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# STEREO

## BUYERS' GUIDE 1991

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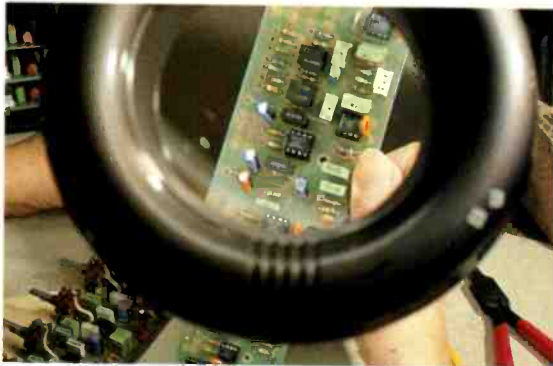
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# STEREO

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Cover photograph: Tony Cordoza

Kinetic sculpture by Drew Klotz

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*The M-R8010 receiver, with on-screen Dolby Pro Logic<sup>®</sup> Surround setup.* menus you can narrow in on specific functions step-by-step, screen-by-screen.

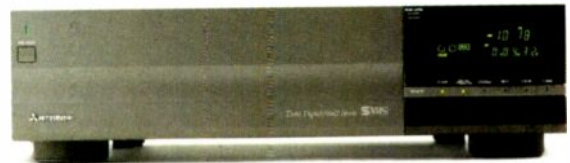
As a matter of fact it works so well on our TV's and VCR's, that we've extended it to include both our M-C6010 CD changer and M-T5010 dual cassette deck.

But, as with any well-run organization, our system components work best with a coordinator. In this case our new M-R8010 Home Theater



*Our M-C6010 CD changer: 8x oversampling and 18-bit dual DAC's.* receiver. With 6 audio/video inputs it can turn a TV, VCR, CD changer and cassette deck into a single, cohesive home theater.

In accomplishing this feat, our receiver is ably assisted by a learning remote. Once again, it's one of the simplest ever made. Each button



*Our HS-U82 Hi Fi VCR, with S-VHS and noiseless visual search.* performs the same function across several components. For example, the play button is the same for CD, VCR, and cassette deck.

The net result is an unprecedented amount of control over your home theater.

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*The M-T5010 dual cassette deck boasts Dolby<sup>®</sup> HX Pro and logic control.* different personally titled magazines).

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CIRCLE NO. 24 ON READER SERVICE CARD

**S**UPPOSE you set out to buy a car—something millions of Americans do each year. To your horror you find yourself in a terrifying parallel universe where, rather than simply choosing the make and model your heart desires, you must select an engine from one manufacturer, a transmission from another, then suspension and braking systems, wheels and tires, and so forth—each an individual decision. Finally, you've got to take them all home and put your transportation system together.

A preposterous proposition? Absolutely. But this absurd example conveys something of the muddle faced by the average consumer setting out to purchase a hi-fi system. Hi-fi buying can be a daunting proposition, even to the seasoned audio enthusiast. For the novice, it can be an impenetrable jungle. That's why so many people feel compelled to become instant experts in the field.

But this may not be the wisest policy. Becoming technically conversant in audio takes years of steady, bobbyism. Besides,

when you're dealing with recognized, respected brands of equipment and a reliable, knowledgeable salesperson, you can choose simply to ignore all the techno-jargon, specifications, and abstruse engineering concepts that come with the territory. Before sweeping all the fine print under the carpet, however, we should take note of a few plain facts.

First, be aware that loudspeaker performance specifications, such as frequency response and distortion, are often less than perfect indicators of sound quality. The simple fact is that speaker measurements are the result as much of the microphone and test equipment used, the acoustics of the room or test chamber, and the testing methodology employed, as of the device under test itself.

Second, observe that when one compares specs within particular product categories—receiver with receiver, CD player with CD player, and so on—the variation among the data from model to model and brand to brand often is minimal. This usually indicates competitive products—competitive,

PHOTO BY TONY CORROZZA





# SHOPPING FOR A STEREO

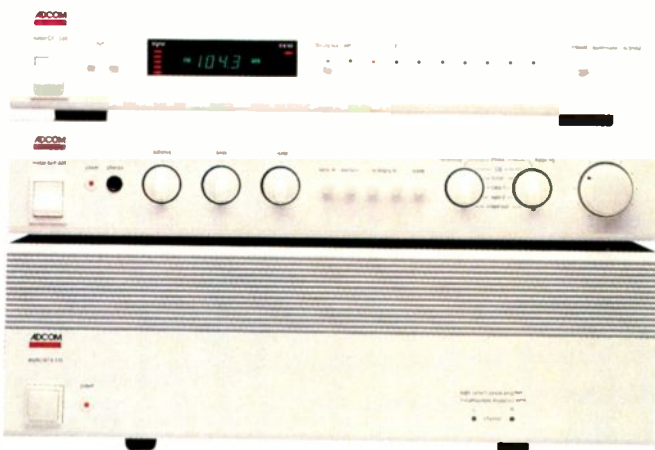
S Y S T E M



BY DAVID SIMON



*Boston Acoustics' three-way T930 stands 36¼ inches high and only 10½ wide. It is compatible with amplifiers delivering 15 to 125 watts per channel. Prices: \$700 per pair in vinyl; \$800 per pair in walnut veneer.*



*One nice thing about going with "separates" from a single manufacturer is cosmetic integration. From top, the Adcom GFT-5551W AM/FM tuner (\$350) offers eight AM and eight FM presets; the GFP-5551W preamp (\$550) has two sets of outputs and five pairs of inputs; and the GFA-545W 200-watt-per-channel power amp (\$550) is said to be able to drive 1-ohm loads.*



*Denon's POA-4400 is a mono amp that delivers 150 watts. Two would typically be used to power woofers when bi-amplifying a pair of speakers. The speaker terminals easily accept thick, low-gauge wire. Price: \$500.*

at any rate, in the sometimes narrow ways measured by these technical tests.

Lastly, try to keep things in perspective. For example, a common amplifier claim is a total harmonic distortion of 0.05 percent. This means that the sonic "errors" are kept to below five parts in ten thousand. Another model may be able to claim 0.01-percent THD—one part in ten thousand—or only one fifth as much distortion. But does that really make it *better*? Often, common sense can supply the answer.

This is not to say, however, that specs are meaningless, or that there are no audible differences among hi-fi components. For one thing, specs aren't always guaranteed to measure everything that might make a component sound better or worse. But instead of delving any further into the thorny thickets of specs, claims, and features, a far better starting point on your stereo safari is to map out a basic survival strategy.

### *What's It For?*

This is the first question any prospective buyer should ask. What do *you* need from an audio system? If you want sound that's as close to live music as possible, let it be for the sake of serious, all-ears music listening, not for that of the technology itself. (And bring plenty of money to the stereo store!) If, on the other hand, you seek convenience and automation for "background" music, you won't need the last word in sophistication and price—but don't immediately settle for a compact system or boombox.

Hi-fi systems come in many configurations. The simplest are all-in-one designs, either tabletop or portable types. These may offer useful integration, simple operation, and attractive value, but they rarely prove adequate for serious listening. "One-brand" or "rack" systems, consisting of several components from the same manufacturer arrayed in an equipment cabinet, are another popular alternative to traditional "component" hi-fi systems. Rack systems offer all of the above advantages, usually in a better-performing package; they can be tough to beat for simple, apparent value. But as a rule, speakers are their Achilles' heel; they're just not up to the level of sound quality provided by the better speaker-specialist brands.

This leads us to component stereo systems. The most common setup consists of a pair of speakers, a receiver—this combines pre- and power amplifiers and an AM/FM (rarely, FM-only) radio tuner in a single box—and one or more source components. Today's systems almost always feature a CD player, often a cassette deck, and, less and less frequently, a turntable for LP records. A much newer source alternative is a DAT (digital audio tape) deck, while more elaborate and usually higher-powered systems break the receiver into two or three "separates": discrete tuner and integrated amp, or preamp, power amp, and tuner.

You need to know just what you'll be asking of your system before setting out. For example, if its jobs will include sound reproduction for video

in addition to "pure" music listening, adding some sort of surround-sound capability may be highly desirable. Dolby Surround is the most popular option, but Dolby Pro Logic, which adds a dedicated center dialogue channel, is a very worthwhile enhancement found on the latest, higher-end models. Surround may mean a separate add-on component, but it also arrives built-in on many current receivers and integrated amps. These components have the further advantage of providing the requisite multichannel amplifiers for the additional surround channels. Audio/video capabilities such as surround sound and video-signal switching are worthwhile enhancements for many buyers. But prepare for a noticeable rise in your system price if you expect to maintain quality similar to equivalently priced non-A/V designs.

Another modern-day trend is multiroom capability. More and more of today's central components—receivers, integrated amps, and pre-amps—permit the user to have music playing in more than one room, or "zone," at once—often, different music in different zones, under independent control. But the same system-planning caveat attached to extra A/V features applies to multiroom capability: It's a worthwhile enhancement, particularly as it can help your system grow over the years in a useful way, but it's no free lunch.

### *Stereo Study Hall*

After arriving at a basic system configuration, you can begin to narrow your component choices down from the hundreds of potential candidates. There are several ways to do this. You might, for example, simply canvass friends and associates. While this will provide useful, firsthand information, it will only scratch the surface of available options—and it often can be rather biased. Hi-fi magazines such as STEREO REVIEW are another excellent starting point. Try to familiarize yourself with the field by reading a few publications—reviews, ads, letters, and all—over a period of months. (Your local library can aid in compressing this time period, thanks to its handy set of back issues.) Manufacturers' literature also can be a valuable study aid; though their technological treatises can be distracting, brochures tend to provide essential information, specifications, and—importantly—a clear picture of the gear in question.

The best place to acquire product literature, of course, is in hi-fi stores. Browsing through the stores is the most important (and fun) part of the entire process—be sure to allow plenty of time for this entertaining and informative pursuit. It also gives you a chance to begin shopping for a salesperson. Take note of those you encounter who seem especially knowledgeable, patient, and helpful. But do your window shopping during slow periods—weekday mornings are ideal—and ask plenty of questions of the salespeople you meet. Most should be delighted to answer all inquiries to the best of their ability. For your part, be sensitive and try to avoid buttonholing a salesperson who has other potential buyers close at hand.



*The JCK1300 Kordless from Koss is a wireless headphone system; transmitting range is given as 500 square feet. The base unit plugs into your stereo system and features on/off and stereo/mono switches. Price: \$275.*



*Pioneer's CT-S705 cassette deck utilizes three separate record-and-play heads and features Dolby B and Dolby C noise reduction and Dolby HX Pro; winding time for a 60-minute tape is 100 seconds. Price: \$480.*



*The Kappa Series from Infinity includes bookshelf and floor-standing speakers that range in price from \$798 to \$2,998 per pair. The EMIT k tweeter is one of the series' mainstays; it uses powerful neodymium magnets and a light diaphragm to add detail and clarify sudden instrumental attacks.*



*Onkyo's A-8700 integrated amp is designed to perform on a par with "high-end" power amps. Its continuous-power-output spec is 105 watts per channel minimum rms, both channels driven into 8 ohms, from 20 to 20,000 Hz with no more than 0.008 percent THD. Price: \$530.*



*The Carver C-16 is no ordinary preamp. It contains the Sonic Holography processor, which is said to recreate the sound stage and three-dimensional spatial characteristics of a live performance. Features include dual tape-monitor circuits and two external processor loops. Price: \$750.*



*Technics' SL-PS70 CD player uses the company's new 1-bit MASH digital-to-analog converter. When recording a disc onto a cassette, the peak-level-search function automatically searches the disc for its highest output peak and then repeatedly plays 6 seconds of it, simplifying the process of setting optimal recording levels. Price: \$450 including remote control.*



*The Sony DTC-75ES DAT deck can be used to copy CD's with little or no loss in sound quality. Features include high-speed music search, three repeat modes, and sixty-track programming. Price: \$950 with remote.*

## Budgeting

An old saw says you should reserve 40 percent of your hi-fi budget for speakers, 30 percent for a receiver, and the balance for source components. While this is the disposition of a typical system, you should pay little attention to these cut-and-dried formulas. Each system is a unique design. If you live in a 150-square-foot studio apartment, for example, you won't need as much in the way of speakers and amps as the shopper with an open, 600-square-foot living area.

It is self-evident that a hi-fi system can only sound as good as its weakest link. But many of us (this writer included) are all too easily seduced by the allure of that one special, horrendously expensive item we simply *must* have. Sometimes, you have to cave in to an irrational need this way, but do try to keep an eye on overall system balance. On the other hand, one can always justify such extravagance—after all, you probably will upgrade the rest of the system eventually.

With this essential groundwork in place, you can begin to design your personal system. Whether it is to be modest or elaborate, with several sources or just one, audio-only or A/V, for sound in one room or in many, some general principles will apply.

## The Amp/Speaker Interface

The amp/speaker interface is the most audibly critical factor in any system. The speakers you choose will have significant sonic impact on your system and will also partly dictate just how much amplification—whether in a receiver, an integrated amp, or a separate preamp and power amp—will be required. This is because speakers vary considerably in their sensitivity; for a given amplifier power level, one pair may play significantly more or less loudly than another. So it's always a good practice to choose your amp(s) and speakers together.

Speakers of almost every imaginable style, look, and technology can be found on the floors of hi-fi stores. But don't let elaborate, high-tech appearance or claims of "revolutionary" new technologies sway you. Most fundamentals of good speaker design have been around since the Fifties; the majority of all progress since has been refinement. For example, don't automatically disdain simple-appearing, unprepossessing two-way speakers. The best of these may offer very nearly top-dollar reproduction at some very attractive prices.

Unfortunately, it's impossible to say with any degree of certainty just how much power is enough for any one individual. While 20 watts per channel may be plenty for one listener, another may feel shortchanged with 200. The factors that affect power needs include speaker sensitivity, room size and "liveness," and personal taste. Keep in mind that a 3-dB increase in speaker sensitivity will halve your power needs. Along similar lines, a room only slightly larger than another can require twice as much power to fill to the same loudness. Lots of soft furnishings, carpeting, and textured wall surfaces will



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absorb high frequencies effectively enough to affect power needs. But most importantly, personal listening tastes and different musical styles can make vastly disparate demands on an amplifier.

Generally, receivers provide the best value in hi-fi. By packaging an amp, preamp, and tuner together, they save on power supply, chassis, and control costs (as well on such easily forgettable items as packing materials and owner's manuals). Consumers have promoted this combination form by voting with their wallets: By far the majority of systems are built around receivers. But you may have valid reasons for looking toward separates. If you don't require a radio, an integrated amp can save substantial dollars over a receiver of comparable power and quality. You may prefer one brand's amp technology but the tuner design of another. And as you move into the higher-power reaches—say, 150 watts per channel and up—separate amplifier and pre-amplifier components become virtually universal. (There are some design reasons for this phenomenon, but it's due as much to marketing as to engineering pressures.)

Whatever route you take, the accepted rule is that, as with slimness and financial security, one can never have too much power. This is technically true enough. Music genres with a wide dynamic range, such as classical and jazz, require very little *average* power—typically, as little as 5 watts per channel or less. But to reproduce the dynamic peaks of live music, thirty times as much can easily be demanded for very short periods—fractions of a second. Much pop music, by contrast, has substantially less dynamic range. But it usually is played at a much higher level—perhaps 20 watts per channel average, with momentary peaks six or eight times higher.

In either case, the end result is much the same, and the actual amount will vary enormously according to the factors already mentioned. But it must be said that few of us live in environments where reproduction at actual live-music loudness levels is practical or socially acceptable. The bottom line is that unless you know technically how to factor in speaker sensitivity (and impedance), room size and furnishings, and personal listening habits and musical taste, accurately calculating power needs is difficult. This is one situation where a competent, reliable salesperson can

be a priceless asset. But cheer up: The great majority of folks end up perfectly happy with 100 watts per channel or less—often, much less.

### Source Choices

Which and how many source components to include in your system is largely a budgetary decision. These days a CD player is a virtual given. Compact discs provide superb sound, relatively maintenance-free longevity, and unmatched convenience. Happily, CD players now cost about the same as turntables.

The audible differences among CD players can seem subtle—even for experienced hi-fi fans. Advertisements trumpet the virtues of a plethora of competing technological refinements; the truth is that most designs deliver superb audio performance. So choosing a player may become more a question of studying features and feel. (On the other hand, if one really *does* sound better to you, by all means go with it!) These variables can be enormous, and they're all legitimate factors. So spend some time weeding out the features you don't need and some more comparing the players' physical quality.

Whether or not to add a turntable will depend on how big an investment in LP's you've already made, how important playing them is to you, and your future record-collecting plans. The analog LP record is fast becoming a rarity, and more and more system shoppers now omit this component altogether. If, on the other hand, you are an analog record fan or collector, keep in mind that there is a *big* difference in sound quality between budget and better turntables—and don't ignore the all-important phono-cartridge component (the thing with the needle in it).

Cassette decks are another standard-issue item. But those who use their decks only to play back commercially prerecorded tapes—often, the same ones they listen to in the car—are missing quite a chunk of hi-fi sound, because almost all of these tapes offer less than true high fidelity. If this is the case, you may want to ponder the virtues of making your own, much better-sounding tapes, or even of skipping the deck altogether and increasing your budget for speakers or a CD player. In any event, where flat-out sound quality on a tight budget is the primary goal, consider making both the deck and one of the turntable/CD pair later additions; concentrate your fiscal forces on speak-

ers, amplification, and a primary music source.

Recently, digital audio tape has become an alternative for the serious listener and recordist. DAT machines provide fidelity nearly equal to that of the best professional studio mastering decks (which can easily cost more than your car). They also furnish convenience rivaling that of the CD player. Pricewise, they are no more costly than the best of today's analog cassette designs—and much cheaper than semiprofessional open-reel tape machines. Those who intend to do abundant taping and who do not require backwards compatibility with analog cassettes should certainly check into DAT.

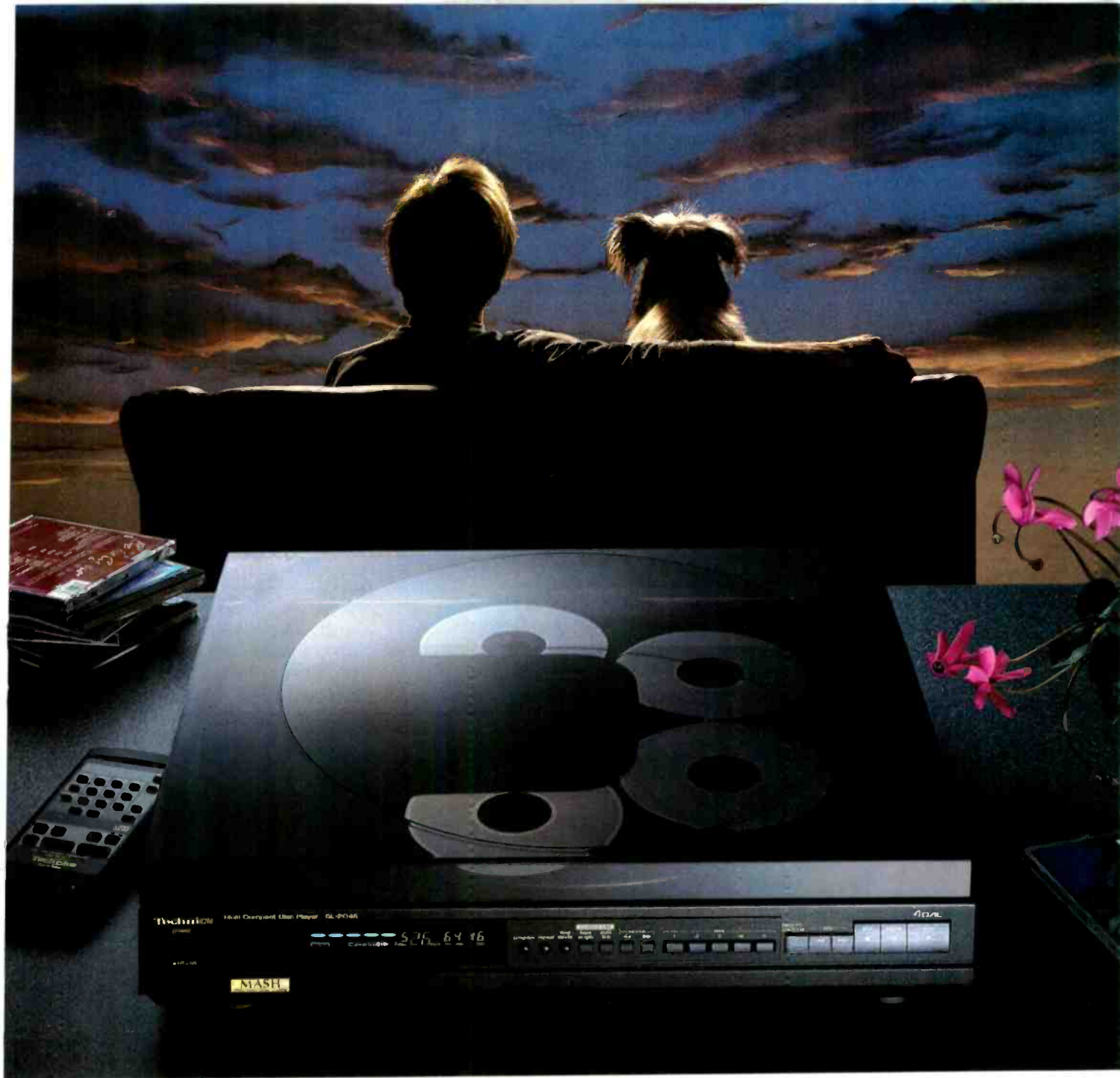
In addition, there are a slew of add-on component varieties. Equalizers, dynamic-range enhancers, various sonic "sweeteners" ("exciters")—all are worthwhile design concepts and valid enhancements to some systems, in some rooms, for some people. However, conventional wisdom holds that for the vast majority, it's best to put your *initial* resources to work on high-quality basics—speakers, amplification, sources. Here, as is so discouragingly often the case, conventional wisdom is correct.

### Choosing Speakers

The speakers you ultimately select will make a bigger difference in the way your system sounds than any other single purchase. Shopping for speakers is as much art as science; a complete discussion of the subject is beyond the scope of this article. However, we can outline some worthwhile guidelines.

Most speakers from responsible designers attempt to accomplish much the same thing—to reproduce the source signal as accurately (with as little change) as possible. So it should come as no surprise that most designs in any particular price range, regardless of their varying size and shape, will sound more similar than different.

Don't be discouraged. There *are* sonic variances, and careful listening will reveal them. It's best to bring your own source material so that you can audition speakers using music and recordings with which you're already familiar. Select from the genres you habitually listen to, and choose high-grade recordings. CD's are best, both because they largely eliminate variations in source-component quality and because such convenience features as a CD player's repeat function are priceless aids to repetitive critical



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When you (and your friend) sit down to hear music, you want as much glorious sound with as little of anything else as possible.

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throughout the louder passages as well.

And because MASH delivers wider dynamic range, the expanded distance between the very quietest and loudest passages can give you more of the directness and dramatic impact of the original performance. With the virtual elimination of zero-cross distortion.

The net effect is that you're that much closer to the music. And that much further from distractions.

Of course, since all our CD changers play any combination of five

3-inch or 5-inch discs, they also bring you music for hours. Any way you like. Continuously. Only selected tracks. Random play from all discs. Or random only from selected tracks. All under the direct control of the wireless remote.

You can even — thanks to its top-loading design — change 4 discs while the fifth keeps playing. Because when you and a friend are having such a rich experience, who wants the music to stop.

**Technics**  
The science of sound

\*Technics developed the MASH one bit DAC. NTT (LSI Labs) invented MASH technology. NTT has applied for trademark registration for MASH.

CIRCLE NO. 33 ON READER SERVICE CARD

listening. Compare only two speaker pairs at a time, and try to restrict comparisons to those with similar placement in the showroom. (The location of the speakers can induce bigger audible differences than are intrinsic to the designs themselves.)

Divide your listening about equally between longer, extended sessions of several minutes and quick A/B switches. But beware: Direct A/B comparisons are only valid if the loudness of the two speaker pairs is carefully matched. If one speaker pair is allowed (or—*horrors!*—deliberately made) to play slightly louder than its opposite number, the difference will be perceived almost invariably as a qualitative advantage rather than a quantitative one, even by experienced audiophiles. Above all, do lots and lots of listening. You can easily teach yourself to become a more discerning listener in a surprisingly short time—and there's no substitute here for experience. Follow your own instincts: what sounds better to you is at least as important as a particular model's reputation among audio hobbyists or a dealer's preference.

### *Amplification*

Selecting amplification is less intuitive. It is difficult to "A/B" amps in any event, and it's not absolutely clear that audible differences can be reliably discerned this way. Your criteria instead should be power, value, and genuinely useful features. Don't neglect your own subjective opinion of an amp's look and of that all-important factor, "feel." While it's not impossible to find an amp or receiver with a shoddy exterior but an excellent interior, this is the exception rather than the rule.

As we've mentioned, it's difficult to have too much power (providing you've got speakers that can handle it). But from a mundane, monetary viewpoint, more people probably over-power than under-power themselves. Especially if you live in a small apartment, only listen at background levels, or favor "quiet" musical genres, don't rule out the fine value found in many lower-power models. But by the same token, if you've got less-than-efficient speakers and want to play symphonic CD's at concert levels in a 20-by-30-foot living room, think in terms of hundreds of watts.

### *Tuners and Receivers*

Most people end up buying receivers, a decision soundly based on the combo's high value. But it's too easy

to overlook the tuner section—those AM/FM detector circuits that dictate just how good broadcasts will sound. Many modern receivers offer excellent tuner performance. Unfortunately, whether we're dealing with receiver-based tuners or those in a separate chassis, this is an arcane and highly technical subject. Specifications for FM are much misunderstood—by salespeople and shoppers alike. Once again, take the time to do some comparative listening among competing designs tuned to the same station. Try a public station (usually below 92 on the FM dial) for some good-sounding but less-powerful transmissions. And

*Above all,  
do a lot of  
listening,  
and follow  
your own  
instincts.*

make sure that all of the units you compare are correctly wired to the store's central antenna system.

While we're on the subject of antennas, if radio is *very* important to you, please do seriously consider budgeting for a rooftop FM antenna—and have it installed by an expert. The difference in the number of stations you will receive, and the quality of the weaker or more distant stations among them, is absolutely guaranteed to astonish.

### *Where to Buy*

Where you purchase your hi-fi system is nearly as important as the components you choose. Your options, generally, are three: audio/video specialty dealers; chain, department, or "superstores"; or a mail-order house. Each alternative has its advantages and liabilities.

The specialist dealer sticks to hi-fi (and, perhaps, video) gear, leaving the dehumidifiers and gas grilles to the department stores. This is where you will find more knowledgeable salespeople who are legitimately concerned with your needs. On the debit side, hi-fi specialty dealers can be hard-pressed to compete purely on price with discount houses.

The "superstore" usually offers more aggressive prices and, often, a wide selection of the bigger brand names. Pluses are potential savings and convenience. Minuses may include an environment not at all conducive to product evaluation (many have no listening rooms), less well-versed sales help, and manufacturers' warranties only. This last may not be a big sacrifice, since the maker's guarantee on many components is quite ample. But generally, unlike most specialists, super- and department stores generally don't participate in the service loop: *You* will be responsible for shipping a broken unit back to the nearest service center and waiting for its return.

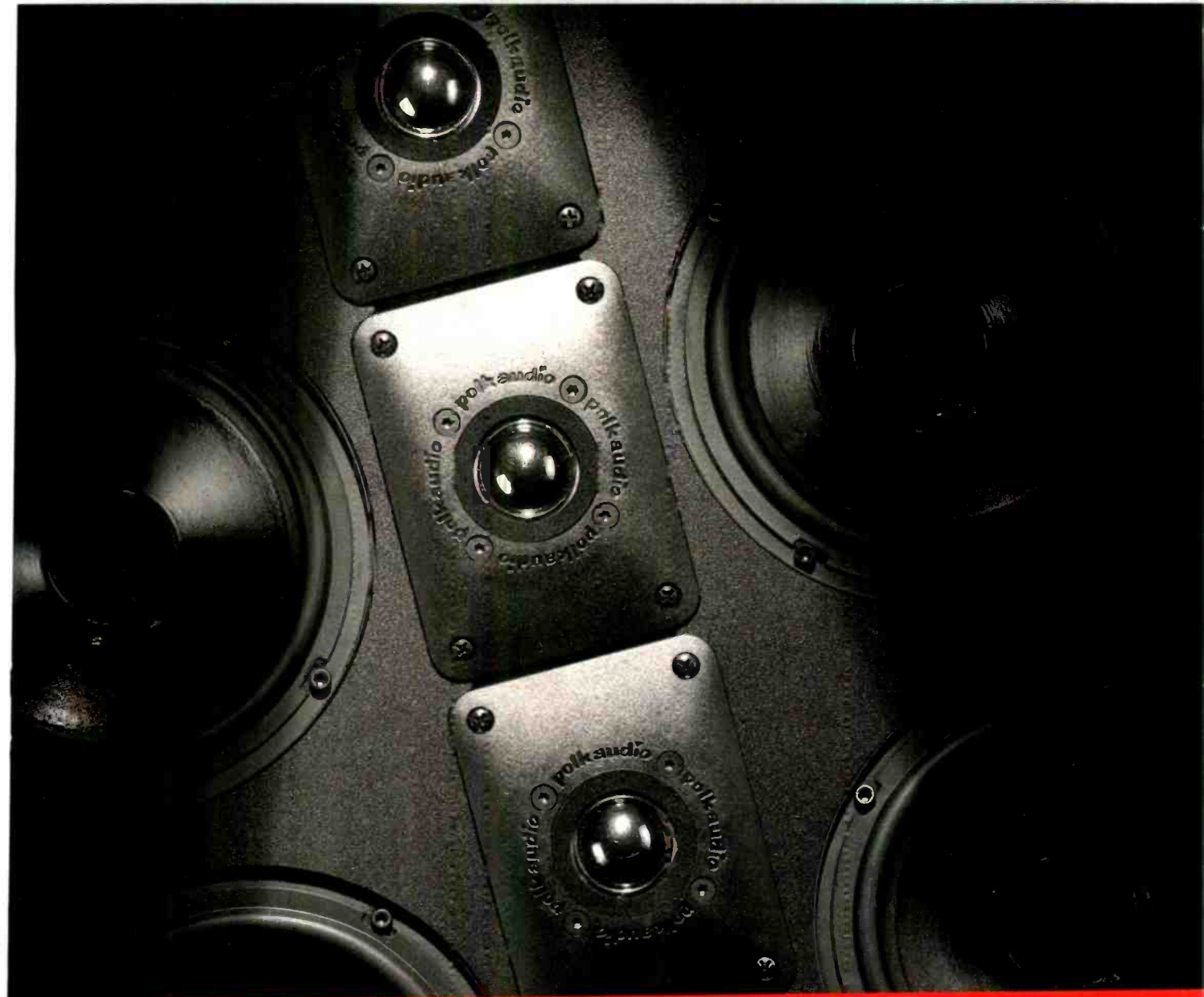
Mail-order dealers will often provide the most attractive prices of all and can sometimes supply a wide selection of brands. But the service they provide usually consists entirely of exchanging their goods for your money: repairs, trade-ups, or returns are usually not options.

When you finally do get around to purchasing your system, you will be likely to find that no one dealer carries every component you desire. You may end up buying the bulk of the system from one dealer and a piece or two from another—and that's fine.

Price is bound to be a factor in your final choice of a primary dealer. You owe it to yourself to comparison shop for the best deal. But you also owe something—assuming you've been so fortunate as to find one—to the salesperson who has been so helpful, patient, and informative: the chance to make the sale. Don't be afraid to tell a dealer if he's truly not competitive. On the other hand, don't expect an audio salon with great help and excellent listening rooms to compete pricewise with a faceless mail-order house. Most hi-fi dealers will factor in a discount for full-system or multi-component purchases. At superstores and mail-order houses, however, prices are generally as marked.

BUYING A STEREO is a challenge—no question about it. But the process can also be a lot of fun, and the end result is sure to be. There are no hard-and-fast procedures to follow, nor even any rules as to what specs or features your equipment must have. But follow one or two of the general principles outlined here, and—much more importantly—your own critical faculties and instincts, and the maze can become much less frightening, if no less amazing. □





*Listen carefully...*



## Signature Reference Series: The Very Best of the Best

The legendary sound of Polk loudspeakers has for years been exemplified by its flagship Signature Reference Series (SRS), the speakers that carry Matthew Polk's signature. Indeed, the SRS loudspeakers have been largely responsible for Polk's reputation among audiophiles as a true innovator in sound reproduction.

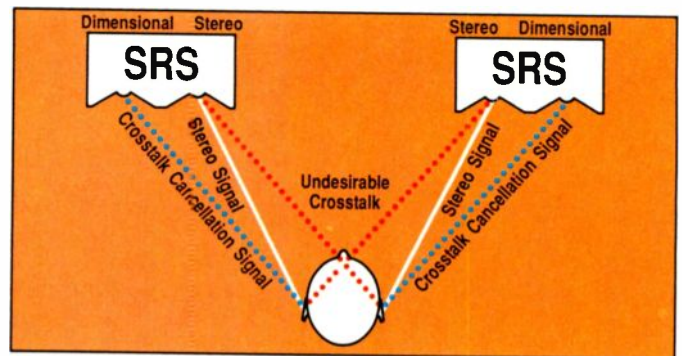
Polk now introduces its SRS 1.2TL, 2.3TL and 3.1TL, each featuring the latest breakthroughs in loudspeaker technology. Following is a technical brief of why the SRS speakers sound so remarkably like a live performance. After reading this information, it is hoped that you listen carefully to the SRS loudspeakers at your Polk Audio dealer. While you will probably hear things you have never heard from a stereo system, you can be assured that everything you hear is true.

### It All Begins With the Sonic Excitement of Polk's Stereo Dimension Array (SDA)

Years ago Polk Audio recognized the importance of more absolute separation of information reaching

Polk's "True Stereo" SDA technology delivers left signal information to your left ear and right signal information to your right ear. Each ear only hears its proper signal, thereby maintaining full stereo separation. The resulting soundstage is dramatic. Closing your eyes, you can imagine the entire orchestra in front of you, pinpointing the location of instruments with incredible accuracy and depth.

Experts have called the Polk SRS Series featuring the revolutionary Stereo Dimensional Array (SDA) technology "mindboggling...astounding...flabbergasting...a new dimension in sound." Others, after hearing the remarkable wide sound stage created by this technology, have discovered new life in their favorite musical selections. It is "True Stereo" by Polk.



*Each Polk SDA incorporates a special extra set of drivers which radiate a difference signal that cancels the undesirable signal going from the wrong speaker to the wrong ear (interaural crosstalk distortion). The result is True Stereo reproduction.*

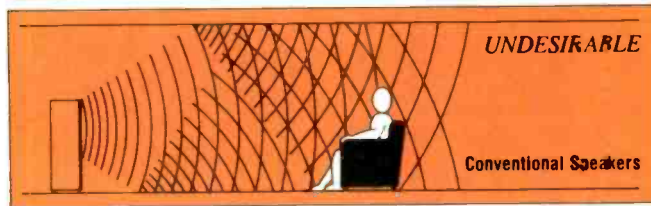
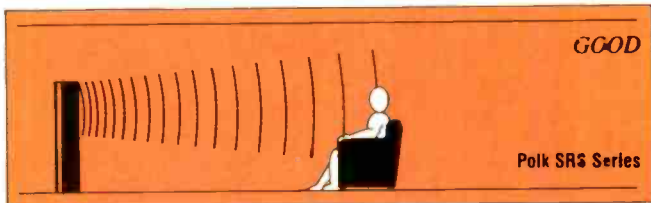
...everything you hear is true.

each ear. Of course, the fundamental concept of stereo reproduction is that there are two separate channels of information, each intended for one ear only (i.e. "true stereo").

To more accurately reproduce sound as it was originally created, it is vital that the integrity of this separation of information be maintained. With conventional speaker systems, each ear hears both speakers, and the separation is minimized. The resulting soundstage is reduced to the small space between the speakers. A large symphony orchestra is reduced to only a few feet wide and a few inches deep.

### The Crystal Clear Imaging of Polk's Line Source Array

Even the best of conventional loudspeakers suffer from blurred imaging and tonal coloration caused by unwanted floor and ceiling reflections of midrange frequencies. Reflections reaching the listener even within 5 milliseconds of the original signal will "smear" the image. Polk, however, minimizes the damaging effects of undesired reflections with its Line Source Array technology.



*By precisely positioning high frequency and midbass drivers according to their dispersion characteristics and by controlling the radiating area of the system as a function of acoustic wavelength, Polk's Line Source Array produces stable, crystal clear imaging.*

By controlling the vertical dispersion of these frequencies, a much higher level of imaging purity is achieved. The sound becomes more "open" by reducing the effects of undesired room interactions. Consequently, the listener is given a wider range of optimum listening positions in the room.

Additionally, the SRS 1.2TL and 2.3 TL utilize Polk's Progressive Point Source technology to maintain a Constant Vertical Directivity of mid and high frequencies, which prevents undesirable beaming. As frequencies increase, the tweeter array adjusts its radiation area and eventually becomes

a single point source at the very highest of frequencies, eliminating high frequency interactions between multiple drivers.

## The Full Impact of Polk's Mid and Low Frequency Performance

Even the smallest SRS, the 3.1TL, delivers the kind of bass that will give you goosebumps. Each SRS model features an array of Polk's exclusive Trilaminare Polymer 6 1/2" midbass drivers that exemplify today's state-of-the-art loudspeaker technology. By combining three complementary materials, each with a specific beneficial property, a performance level is attained that is beyond the reach of conventional drivers that use simple paper or vacuum-formed plastic cones.

One of the laminates is very light, yet structurally strong. Another is extremely stiff with an unusually high speed of sonic wave transmission, and the other has a uniquely effective damping property that removes sonic coloration.



Contributing to the deep, tight bass response of these drivers are the costly butyl rubber surrounds that offer more accurate cone movement.

Additionally, these surrounds will not deteriorate over time as do the foam surrounds found on many drivers. And, high temperature aluminum voice coils are used to assure long term reliability even with extended playing at maximum output.

These drivers are light and fast, providing superior transient response and detail. No other speaker system available today can boast the uncompromising technical superiority of these Polk designed and engineered drivers.

The 3.1TL features five active Trilaminate 6 1/2" drivers that are acoustically coupled to a 12" critically tuned bass radiator. In total, the low frequency driver system has a surface area of 178 square inches, more than enough to create an emotional, if not physical, reaction to the thunderous, yet clean, tight bass.

The SRS 2.3TL and 1.2TL, each with a bass



*Fast, light Polk Trilaminate 6 1/2" Drivers. using the best of materials technology. provide superior transient response and detail.*

included. Indeed, listening to either of these loudspeakers with Polk's "Bass Brace" or "Spiked Feet" in place, will prove to be a new, exhilarating experience.

### An Engineering Breakthrough: The Remarkable SL 3000 Tweeter

Three years ago, Matthew Polk and his team of engineers set out to develop the world's finest 1-inch dome tweeter to be used in his flagship SRS speaker systems. The objectives of this design project were to:

- 1) Set a new standard for flat frequency response
- 2) Extend frequency response, free of peaks, to beyond 26 kHz
- 3) Increase power handling capacity
- 4) Maintain high efficiency.

Polk engineers, in conjunction with the Johns Hopkins University Center for Non-Destructive Testing, utilized Laser Interferometry to test a vast number of tweeter designs and materials in their search for high frequency perfection. This advanced

radiating area exceeding that of a 40" woofer, have the ability to produce powerful, deep bass with virtually no distortion. Indeed their low frequency reproduction may be unsurpassed in the history of loudspeaker design. While bass distortion is typically a function of the loudspeaker in any music system, the SRS 2.3TL and 1.2TL actually yield less distortion at 25 Hz than many audiophile quality tube amplifiers.

To enhance the full impact and dimension of Polk's low frequency performance, both the 2.3 TL and 1.2TL may be physically coupled to the listening room wall or floor with the appropriate hardware

application of laser technology allowed Polk to study digital holograms of tweeters in operation.

Exhaustive tests were conducted in developing a revolutionary dome which would produce perfect motion without the sonic degradation caused by standing waves. Ultimately, it was found that by vapor depositing stainless steel and aluminum on a polyamide surface,



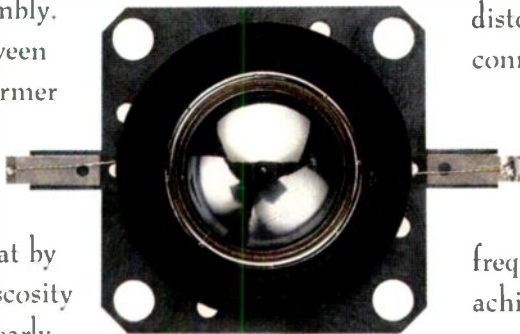
*The Polk SL 3000 Trilaminate Dome Tweeter sets new standards for bandwidth, flatness of response, phase linearity and power handling.*

the new SL 3000 dome was stiff enough to push standing wave resonance to beyond audible range (20 kHz), yet light enough for high efficiency and superior transient response.

It was also discovered that standing waves created in conventional tweeters were the result of a "hinging" effect at the tiny surface where the voice coil meets the dome. The situation is analogous to your wrist cracking a whip. Your wrist, acting as a hinge, causes a standing wave to travel down the length of the whip.

Polk's solution to this problem was to develop a voice coil former pre-formed to follow the exact contour of the dome. This Polk high efficiency drive system provides a surface contact area 10 times that of a typical voice coil assembly. This rigid connection between the dome and voice coil former eliminates the "whip" action and resulting standing waves.

Polk also discovered that by using a rare Ultra Low Viscosity (ULV) Magnetic Fluid, nearly as thin as water, to cool the SL 3000's voice coil, the tweeter's efficiency, power handling capacity and transient response would be improved.



*Ultimately, by vapor depositing stainless steel and aluminum to a polysaric® surface, the benefits of both soft and hard domes were achieved.*

2.3TL and the SRS 3.1TL benefit from this technology. "TL," in fact, stands for Tri-Laminate.

## Amplifier Compatibility and Bi-Amp Capability

Each of the SRS Loudspeakers is quite efficient and presents an "easy load" for almost all available receivers and amplifiers. It is recommended that a high quality amplifier or receiver of at least 50 watts per channel be used for the best performance. If you are using separate mono amplifiers without a common ground, Polk's AI-1 interface is available for proper connection.

For even greater dynamic range and lower distortion, the SRS loudspeakers may be connected for Bi-Amplification using the two sets of inputs provided on each loudspeaker. No electronic crossover is necessary. By permitting different amplifiers to reproduce the high and low frequencies separately, the SRS loudspeakers achieve their greatest sonic potential.

## Yes, Everything You Hear Is True

Listen to what the critics say: "Mindboggling... astounding...flabbergasting." Listen to what other

After developing this innovative new driver, further research and careful listening tests concluded that Polk's original goals were achieved. In addition, it was discovered that there was an audible improvement at frequencies below those produced by the SL 3000. It was concluded that unwanted high frequency peaks actually mask and deteriorate midrange detail. Eliminating these peaks audibly enhanced midrange reproduction.

The pure, high end performance of the SL 3000 thereby makes a significant contribution to the overall sound of the SRS loudspeakers. Each of the new SRS loudspeakers, the SRS 1.2TL, the SRS

Polk owners say: "I've never heard anything like it... It's a whole new world...."

But no number of written accolades will prepare you for the experience of listening to the SRS loudspeakers at your authorized Polk Audio dealer. Because everything you hear is true.

You will hear the next generation of loudspeakers.

**polkaudio**

The Speaker Specialist®

5601 Metro Drive, Baltimore, MD 21215 (301)358-3600

CIRCLE NO. 35 ON READER SERVICE CARD



**SRS 1.2TL**

**Driver Complement**

Four 1" (25 mm) SL 3000 trilaminate dome tweeters

Eight 6 1/2" (166 mm) drivers

One 15" (381 mm) sub bass radiator

**Size (Inches)**

63 1/2" H x 21 3/4" W x 13 1/4" D

(159 cm x 55 cm x 33 cm)

**Overall Frequency Response**

10 Hz-26 kHz

- 3dB Limits

27 Hz-25 kHz

**Recommended Amplification**

50-1000 watts/channel

**Impedance**

Compatible with 8 ohm outputs

**Efficiency**

91 dB

**Shipping Weight**

185 lbs./cabinet (82 kg.)



**SRS 2.3TL**

**Driver Complement**

Three 1" (25 mm) SL 3000 trilaminate dome tweeters

Six 6 1/2" (166 mm) drivers

One 15" (381 mm) sub bass radiator

**Size (Inches)**

55 H x 20 3/4" W x 13 1/4" D

(138 cm H x 52 cm W x 33 cm D)

**Overall Frequency Response**

12 Hz-26 kHz

- 3dB Limits

30 Hz-25 kHz

**Recommended Amplification**

50-750 watts/channel

**Impedance**

Compatible with 8 ohm outputs

**Efficiency**

90 dB

**Shipping Weight**

141 lbs./cabinet (70 kg.)



**SRS 3.1TL**

**Driver Complement**

One 1" (25 mm) SL 3000 trilaminate dome tweeter

Five 6 1/2" (166 mm) drivers

One 12" (305 mm) sub bass radiator

**Size (Inches)**

48 H x 15 3/4" W x 13 1/4" D

(122 cm H x 40 cm W x 34 cm D)

**Overall Frequency Response**

15 Hz-26 kHz

- 3dB Limits

32 Hz-25 kHz

**Recommended Amplification**

50-500 watts/channel

**Impedance**

Compatible with 8 ohm outputs

**Efficiency**

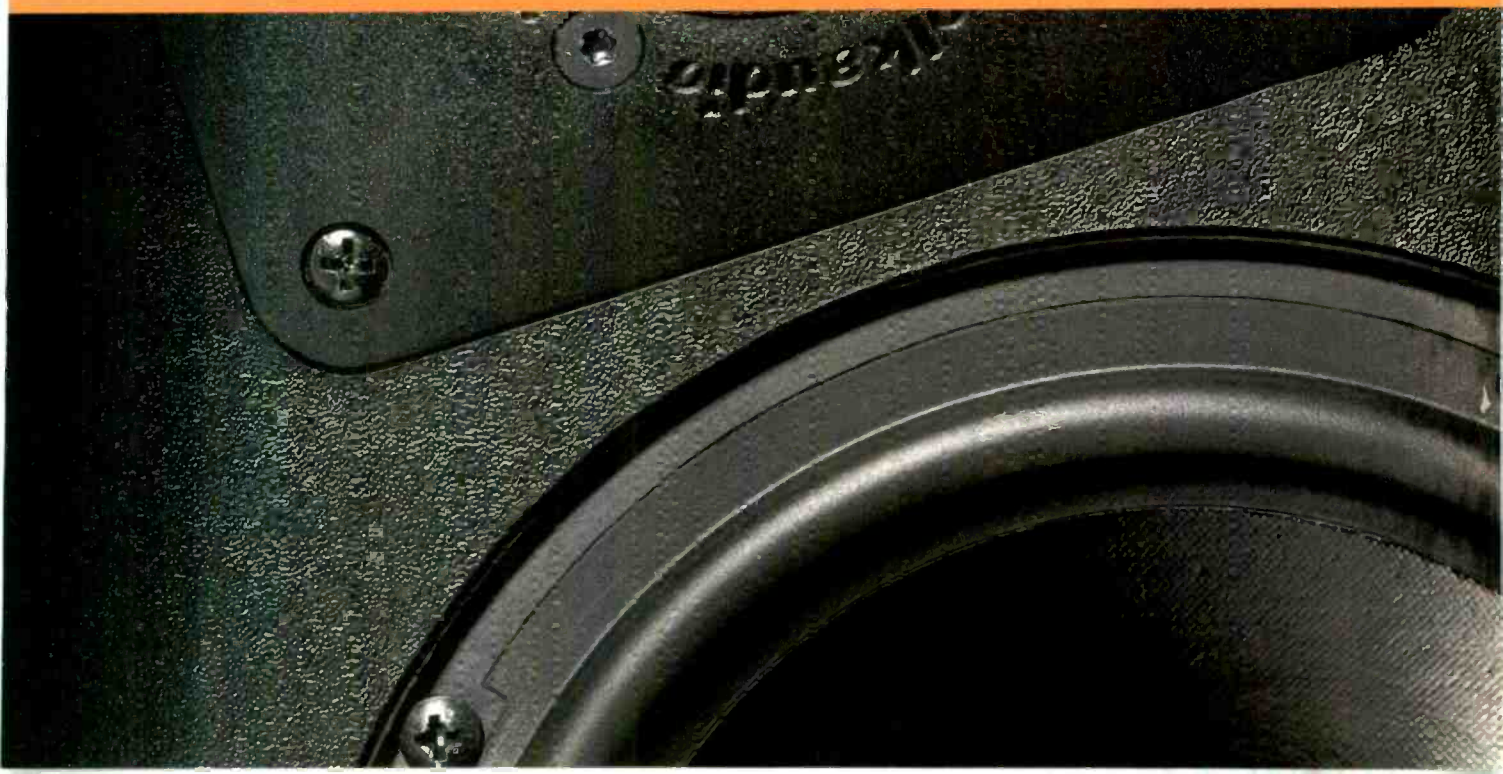
90 dB

**Shipping Weight**

101 lbs./cabinet (46 kg.)



Sound that astonishes the ear...



## Today's Generation Of Music Lovers

Years ago, it didn't matter what speakers looked like as long as they sounded good. Admittedly, some of the best sounding speakers did not always blend perfectly into everyone's decor.

Today, those of us who consider music an important part of our life and who demand the highest performance possible from our stereo components prefer that our loudspeakers reflect our lifestyle by complementing our taste in home furnishings.

The new RTA 15TL, representing over 18 years of Polk's research and development, is already setting new standards of sonic excellence. And its elegant cabinet is a beautiful visual addition to any environment or listening room.



*By using a rare ULV Magnetic Fluid to cool a tweeter's voice coil, both performance and reliability are vastly increased.*

Low Viscosity Magnetic Fluid, nearly as thin as water, to cool the SL 3000's voice coil, power handling capacity would increase. Indeed, the SL 3000 tweeter can significantly exceed normal listening levels without loss of performance or reliability.

## The Clear Imaging of Polk's Line Source Array

By arranging its four 6 1/2" drivers in a vertical line source along with the SL 3000 tweeter, superior imaging and midrange purity is achieved. This line source technology is the same advanced principal used in Polk's flagship "Signature Reference Series."

By clearly focusing midrange frequencies and avoiding floor and ceiling reflections, Polk's Line Source delivers a wide open, natural sound without tonal coloration. Consequently, the RTA 15TL performs superbly in a wide variety of room sizes and placements.

...from speakers that seduce the

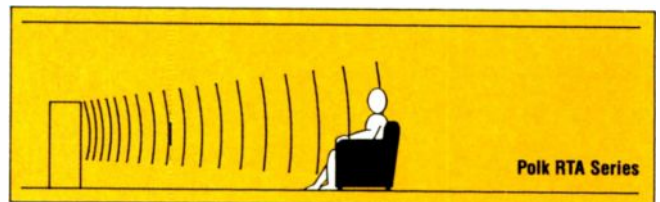
## It All Begins With The Remarkable SL 3000 Trilaminare Tweeter

Working with the Johns Hopkins University Center for Non-Destructive Testing, Polk engineers utilized Laser Interferometry to test tweeter designs and materials. They found that ultimately, by vapor-depositing stainless steel and aluminum to a polyamide dome surface, an



extended, very flat frequency response, out to 26 kHz, was achieved.

Polk also discovered that by using a rare Ultra



*Polk's Line Source Technology reduces floor and ceiling reflections by focusing the vertical dispersion of midrange frequencies.*

## Controlling Diffraction To Create A Lifelike Stage

The grille of the RTA 15TL has been specially designed to eliminate mid and high frequency diffraction and to actually enhance dispersion. In fact, the RTA 15TL sounds better with the grille on than off.



And to eliminate any possibility of phase anomalies and other colorations, Polk developed a unique "diffraction spoiler" which dramatically improves audible frequency response and imaging.

By controlling diffraction, "smearing" of the sonic image and "peaky" characteristics are eliminated.

### Polk Bass: Deep, Powerful & Tight

Two independently tuned, 10 inch bass radiators, one facing front, one facing rear, deliver the impressive bass for which Polk is known. These two radiators move a significant amount of air and at the same time produce a more accurate reproduction of an instrument's timbre and transience than a single conventional woofer. This configuration provides the tight, well defined bass normally associated with small systems combined with the deep, powerful performance found in large systems.

eye.

### Listen To The Next Generation Of Loudspeakers

The new RTA 15TL is both a sonic and aesthetic breakthrough. It is also priced to create a new standard in value. Ask for a demonstration at your authorized Polk dealer. You'll hear the detail, depth and excitement of a live performance.

You'll hear...and see... the next generation of loudspeakers.

**polk audio**

The Speaker Specialist®

5601 Metro Drive, Baltimore, MD 21215 (301)358-3600

CIRCLE NO. 35 ON READER SERVICE CARD



*The RTA 15TL is available in natural oak, natural walnut and black oak wood veneer finishes.*



**RTA 15TL**

Driver Complement

One 1 inch (25 mm) Polk SL3000 dome tweeter  
Four 6½ inch (165 mm) Polk trilaminate polymer  
bass-midrange drivers (6503)  
Two 10 inch (254 mm) sub-bass radiators,  
one high-resonance, one low-resonance

Size (Inches)

43 H (109.2 cm) × 12½ W (31.7 cm) × 15½ D  
(39.4 cm)

Overall Frequency Response

20 Hz-26 kHz  
- 3dB limits

35 Hz-25 kHz

Recommended Amplification

30-250 watts/channel

Impedance

Compatible with 8 ohm outputs

Efficiency

90 dB

Shipping Weight

77 lbs. (34.9 kg.)



**RTA 11TL**

Driver Complement

One 1 inch (25 mm) Polk SL3000 dome tweeter  
Two 6½ inch (165 mm) Polk trilaminate polymer  
bass-midrange drivers (6510)  
Two 8 inch (203 mm) sub-bass radiators,  
one high-resonance, one low-resonance

Size (Inches)

38 H (96.5 cm) × 10½ W (26.7 cm) × 14½ D  
(36.8 cm)

Overall Frequency Response

22 Hz-26 kHz  
- 3dB limits

36 Hz-25 kHz

Recommended Amplification

30-250 watts/channel

Impedance

Compatible with 8 ohm outputs

Efficiency

90 dB

Shipping Weight

58 lbs. (26.3 kg.)



**RTA 8TL**

Driver Complement

One 1 inch (25 mm) Polk SL2500 dome tweeter  
Two 6½ inch (165 mm) Polk trilaminate polymer  
bass-midrange drivers (6516)

Size (Inches)

32½ H (82.5 cm) × 9 W (22.9 cm) × 11½ D  
(29.2 cm)

Overall Frequency Response

30 Hz-25 kHz  
- 3dB limits

42 Hz-23 kHz

Recommended Amplification

20-250 watts/channel

Impedance

Compatible with 8 ohm outputs

Efficiency

89 dB

Shipping Weight

39 lbs. (17.7 kg.)

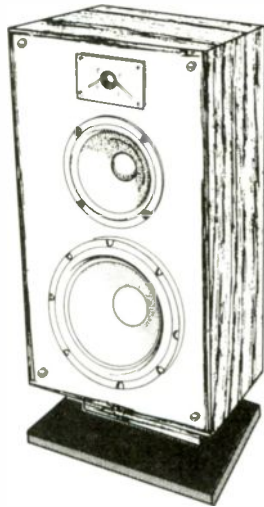


*Our speakers sound expensive...*



## The Expensive Sound of the Affordable Monitor Series

In 1972, Polk Audio created a new standard for high performance and affordability with the introduction of its original Monitor 7 loudspeaker. Audiogram Magazine said, "we were so impressed we could not believe the prices...they're a steal." Also referring to the Monitors, Musician Magazine said, "If you're shopping for stereo, our advice is not to buy speakers until you've heard the Polks."



*The original Polk Monitor 7 that started a sound revolution in 1972.*

Today, Polk Audio furthers this tradition of offering state-of-the-art sound at affordable prices with its new Monitor Series 2 Loudspeakers. Seven models, from the compact Monitor 4 to the awesome sounding Monitor 12, provide the music lover with a variety of sizes, power outputs and performance levels

- 3) reproduce transients that translate into crisp, lifelike clarity
- 4) deliver exceptionally deep, tight bass that could be felt as well as heard
- 5) attain a wide dispersion of high and mid frequencies for non-critical placement within the listening room
- 6) maintain high efficiency
- 7) be able to handle significant amounts of power
- 8) utilize the highest quality components for a long life of reliability.

These fundamental design objectives guided the team of Polk engineers in its evolutionary search for sonic perfection of the famed Monitor series. Only through the sophisticated research resources at Polk, were these objectives so decisively attained.

## Polk's High Performance at High Frequencies

Featured in the Monitor 4.6, 5jr+, 5, 7, 10 and 12, the SL 2500 tweeter makes a major contribution to the improved performance of the Monitor Series 2. Sharing much of the technology of the incomparable

**...until you hear their price.**

that will match any sonic or physical requirement, each within a modest budget.

All of these affordable speakers have one thing in common—the unmistakable, exciting sound of Polk.

## Polk's Eight Parameters of High Performance

Polk established eight clearly defined performance objectives for its new Monitor series. They would, in varying degrees,

- 1) achieve an open, boxless, three dimensional sound
- 2) produce a flat frequency response that would be pleasing even during extended listening

SL 3000 tweeter used in the Polk flagship SRS series, the SL 2500 is a highly refined, technically advanced driver.

The voice coil, wound around an aluminum voice coil former with nomex-core, is cooled by an exotic ULV (ultra-low viscosity)



*The new, wide dispersion Polk SL 2500 Tweeter used in all but the smallest Monitor has phenomenal power handling capability for dramatic dynamic range and long term reliability.*



magnetic fluid. This material, which has a viscosity close to that of water, enables the SL 2500 to play at power outputs far exceeding its rating without loss of performance or reliability. The resulting dynamic range is dramatic, indeed unique for speakers in this price range.

The compact Monitor 4 also features an all new tweeter, the SL 1500 hemispherical, 1" soft dome driver. It delivers superb definition and smooth extended response, all resulting from Polk's exhaustive testing and computer-aided design analysis.

The performance of all the Monitor Series 2 loudspeakers at high frequencies results in a sound

that is easy to listen to, hour after hour, without fatigue. And their extremely wide dispersion characteristics greatly reduce the need for critical placement within your listening room.

### Better Bass Than Ever Before

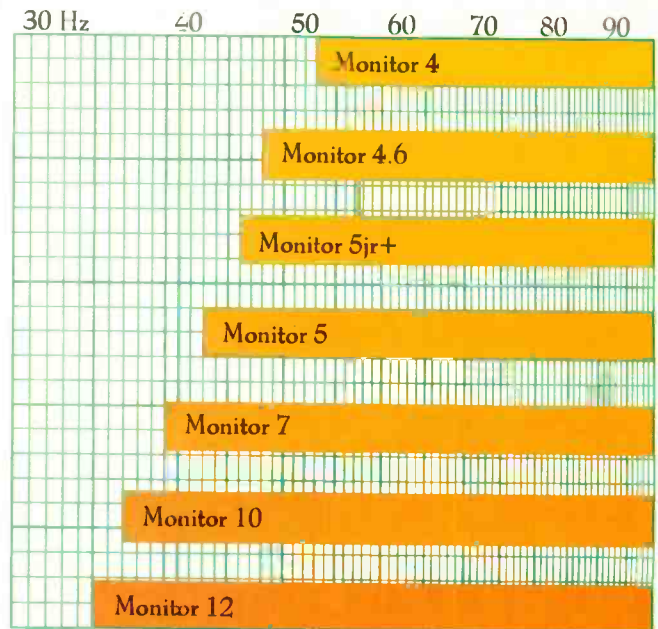
The Polk Monitors have always been recognized for their exciting bass performance. The Series 2 loudspeakers sound even better. Each low frequency system was redesigned to provide deeper, more realistic bass. The 4, 4.6 and 5jr+ have greater internal cabinet volumes that clearly make them the biggest sounding bookshelf speakers available.

Moving up to the Monitors 5, 7, 10 and 12, the bass gets deeper and fuller, each being more capable of filling larger rooms with bass energy that you can feel as well as hear.

## There's a Polk Monitor That's Right For You

Polk offers seven Monitor Series 2 loudspeakers ranging in size, performance and price. All feature Polk's proprietary trilaminate polymer diaphragm midbass driver for excellent transient response and reduced midrange coloration. The Monitor 4 and 4.6 are ported designs to make the best use of their cabinet size for low frequency performance, while the larger Monitors feature sub-bass radiators for fast, tight bass response.

Starting with the Model 4, each subsequent Monitor Series 2 speaker gets larger, more efficient, handles more power, has greater dynamic range and delivers better bass response. Designed so that a small Monitor played in a small room will sound similar to a large Monitor in a large room, they are an excellent choice for multiple speaker systems throughout your home.



*Low Frequency Limit at -3 dB for each Monitor shows increased bass performance as you move up in size.*

## Listen to the Next Generation of Monitors

Polk Audio started a sound revolution in the early 70s with its first Monitor 7 by offering state-of-the-art sound at a reasonable price. Today, after

# The Polk difference is R&D.



*Polk's high performance 6 1/2" midbass driver is used in each Monitor Series 2 Loudspeaker. Its proprietary trilaminate polymer diaphragm structure offers excellent transient response and near absence of midrange coloration.*

nearly two decades of refinement, research and development, Polk has introduced an entirely new series...the Monitor Series 2.

You are invited to your nearest Polk Audio dealer for a demonstration of these remarkable new loudspeakers. You will hear the expensive sound of Polk...at very affordable prices.

You will hear the next generation of loudspeakers.

# polk audio

The Speaker Specialist®

5601 Metro Drive, Baltimore, MD 21215 (301)358-3600

CIRCLE NO. 35 ON READER SERVICE CARD



**Monitor 12**  
Series 2

Driver Complement

One 1 inch (25 mm) dome tweeter (Polk SL 2500)  
Four 6½ inch (165 mm) drivers  
One 12 inch (305 mm) sub bass radiator

Size (Inches)

37¾ H (95.5 cm) × 15¼ W (40 cm) × 12 D  
(30.5 cm)

Overall Frequency Response

25 Hz-25 kHz

- 3dB Limits

35 Hz-23 kHz

Recommended Amplification

20-400 watts/channel

Impedance

Compatible with 8 ohm outputs

Efficiency

91 dB

Shipping Weight

60 lbs. (27 kg.)



**Monitor 10**  
Series 2

Driver Complement

One 1 inch (25 mm) dome tweeter (Polk SL 2500)  
Two 6½ inch (165 mm) drivers  
One 10 inch (254 mm) sub bass radiator

Size (Inches)

28 H (71.1 cm) × 15 W (38.1 cm) × 12 D  
(30.5 cm)

Overall Frequency Response

25 Hz-25 kHz

- 3dB Limits

37 Hz-23 kHz

Recommended Amplification

20-250 watts/channel

Impedance

Compatible with 8 ohm outputs

Efficiency

89 dB

Shipping Weight

46 lbs. (20.7 kg.)



**Monitor 7**  
Series 2

Driver Complement

One 1 inch (25 mm) dome tweeter (Polk SL 2500)  
One 6½ inch (165 mm) driver  
One 10 inch (254 mm) sub bass radiator

Size (Inches)

24 H (61 cm) × 13 W (33 cm) × 10 D (25.4 cm)

Overall Frequency Response

25 Hz-25 kHz

- 3dB Limits

40 Hz-23 kHz

Recommended Amplification

20-150 watts/channel

Impedance

Compatible with 8 ohm outputs

Efficiency

89 dB

Shipping Weight

33 lbs. (14.9 kg.)



**Monitor 5**  
Series 2

Driver Complement

One 1 inch (25 mm) dome tweeter  
(Polk SL 2500)  
One 6½ inch (165 mm) driver  
One 8 inch (203 mm) sub bass  
radiator

Size (Inches)

22 H (55.9 cm) × 10 W (25.4 cm)  
× 10 D (25.4 cm)

Overall Frequency Response

30 Hz-25 kHz  
- 3dB Limits

43 Hz-23 kHz

Recommended Amplification

20-125 watts/channel

Impedance

Compatible with 8 ohm outputs

Efficiency

90 dB

Shipping Weight

48 lbs./pair (21.6 kg./pair)



**Monitor 5jr +**  
Series 2

Driver Complement

One 1 inch (25 mm) dome tweeter  
(Polk SL 2500)  
One 6½ inch (165 mm) driver  
One 6½ inch (165 mm) sub bass  
radiator

Size (Inches)

19½ H (49.5 cm) × 9 W (22.9 cm)  
× 10 D (25.4 cm)

Overall Frequency Response

30 Hz-25 kHz  
- 3dB Limits

46 Hz-23 kHz

Recommended Amplification

20-125 watts/channel

Impedance

Compatible with 8 ohm outputs

Efficiency

90 dB

Shipping Weight

40 lbs./pair (18 kg./pair)



**Monitor 4.6**  
Series 2

Driver Complement

One 1 inch (25 mm) dome tweeter  
(Polk SL 2500)  
One 6½ inch (165 mm) driver

Size (Inches)

17 H (43.2 cm) × 8½ W (21.6 cm)  
× 10 D (25.4 cm)

Overall Frequency Response

30 Hz-25 kHz  
- 3dB Limits

48 Hz-23 kHz

Recommended Amplification

20-100 watts/channel

Impedance

Compatible with 8 ohm outputs

Efficiency

90 dB

Shipping Weight

34 lbs./pair (14.3 kg.)



**Monitor 4**  
Series 2

Driver Complement

One 1 inch (25 mm) dome tweeter  
(Polk SL 1500)  
One 6½ inch (165 mm) driver

Size (Inches)

14¼ H (36.8 cm) × 8½ W  
(21.6 cm) × 7½ D (19.2 cm)

Overall Frequency Response

35 Hz-24 kHz  
- 3dB Limits

53 Hz-20 kHz

Recommended Amplification

20-100 watts/channel

Impedance

Compatible with 8 ohm outputs

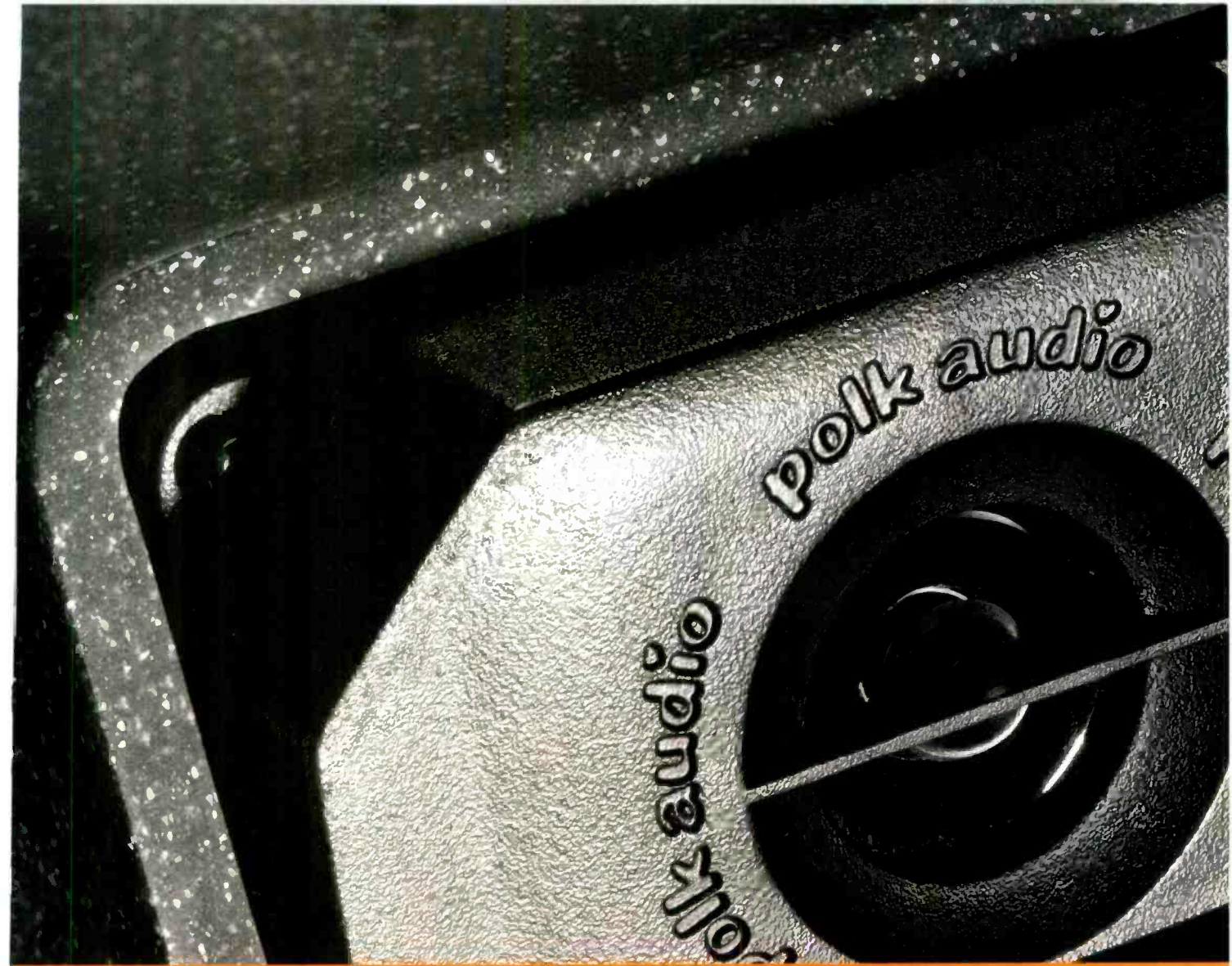
Efficiency

91 dB

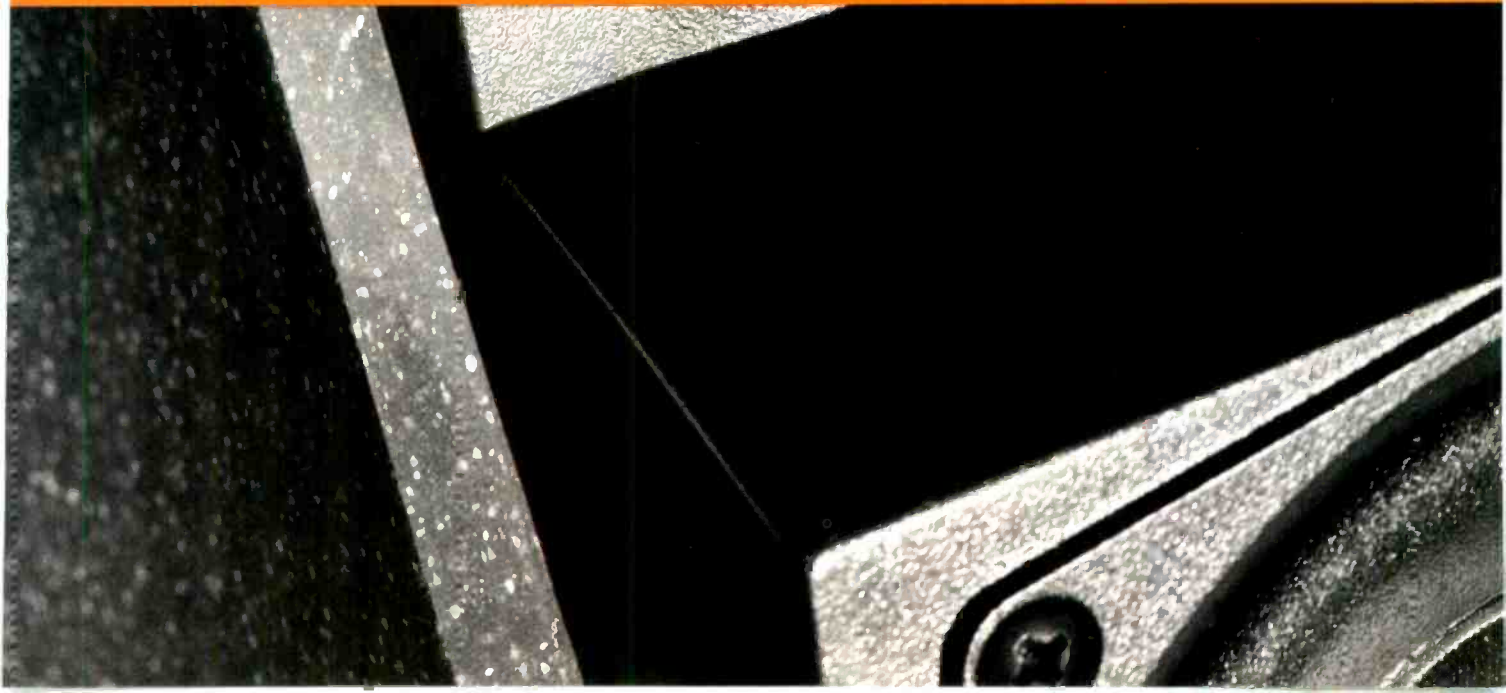
Shipping Weight

24 lbs./pair (10.8 kg./pair)





Sound as big as life...



## Listening in the 90's

Today people have become more and more space conscious. Many apartment dwellers don't want to give up valuable floor space for large speaker systems. Others who are planning a surround sound or home theatre system simply don't have the room for more speakers in their listening rooms or hesitate to commit the floor or wall space to a good sounding pair of speakers.

Until now, serious music lovers have had little, if anything, to choose from that would produce a large, bigger-than-life sound in a small, compact size. Systems that fit one's space requirements have been woefully disappointing in sound quality.

### The RM 3000 Three Piece System

Polk's engineers had determined long ago that there were indeed certain technical advantages in

sonic performance.

The small satellites can be located on shelves, mounted on a wall or placed on their own floor stands. They are very attractive and yet small enough to be hidden from view if desired.

The RM 3000 subwoofer is also small enough to sit behind your furniture and can be used on its side to fit into tight spaces. And since it is beautifully finished, it can be used as a piece of furniture.



*The RM 3000's satellites measure 7"H x 4 1/4"W x 5 3/8"D and are available in black matrix, gloss black piano or paintable white. The subwoofer is 12 1/2"H x 20"W x 12 1/2"D and is available with black wood grain sides and a black, mar-resistant top.*

### The Legendary Sound of Polk

In the tradition of Polk Audio, Matthew Polk and his team of engineers were determined to make the RM 3000 sound better than any other speaker of its type.

Initial reactions have been filled with superlatives including Julian Hirsch of *Stereo Review* magazine who says, "...they sound excellent...spectral balance was excellent—smooth and seamless."

## ...from speakers small enough

small speaker systems. Both high and mid frequencies could be faithfully reproduced with superior transient response and dispersion characteristics, and the convenient, more flexible placement of small enclosures within the listening area could create an ideal sound stage. Unfortunately, reproducing the life-like, full body of the lower frequencies could not be achieved in a truly compact enclosure.

Polk's RM 3000 replaces the traditional pair of speakers with three elements, two compact midrange/tweeter satellites and one low frequency subwoofer system. This configuration makes it easy to properly and inconspicuously place the system within your listening room while offering superior

Behind all these accolades is an impressive technical story.

### The Technical Side

The big sound of the RM 3000 is due, in part, to the unique arrangement of the tweeter and midrange elements. This "time aligned system" delivers the high and mid frequencies at precisely the same instant. The result is a clear, lifelike and expansive presentation.

The cabinet materials selected for the satellites are over four times as dense as typical enclosures. The black matrix finish is a non-resonant polymer aggregate (FOUNTAINHEAD®). The gloss black piano and paintable white finishes are rigid ABS

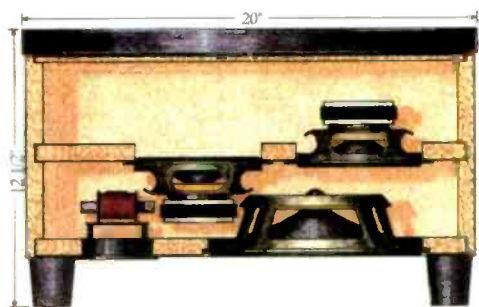


*Polk's RM 3000 Three-Tier Speaker System easily fits into today's home decor.*

## to live with.

surrounding a mineral filled polypropylene inner cabinet. Polk engineers have all but eliminated any "singing" or resonating of the satellite enclosure. You hear the effortless, free sound of a much larger system.

Most subwoofer systems look alike on the outside, but the Polk is worlds apart on the inside. Utilizing twin 6 1/2" drivers coupled to a 10 inch sub-bass



*For deep, well defined bass, Polk uses twin drivers coupled to a sub-bass radiator. Normally, one subwoofer system is used for both channels. For those desiring even greater low frequency performance, a second subwoofer can be added, one fed by the left channel, the other by the right channel.*

radiator, the bass is tight and well defined. There is no tuned port to create "whistling" or "boominess" of the bass frequencies.

### You Have To Hear It To Believe It

You really won't believe how good the RM 3000 sounds until you hear it. We invite you to your nearest authorized Polk dealer for a demonstration. You'll hear sound as big as life...from a speaker you can live with.

You'll hear the next generation of loudspeakers.

**polkaudio**

The Speaker Specialist®

5601 Metro Drive, Baltimore, MD 21215 (301)358-3600

CIRCLE NO. 35 ON READER SERVICE CARD



**RM 3000**

Driver Complement

Satellite

One 3½ inch (89 mm) driver  
 One ¾ inch (19 mm) tweeter

Subwoofer

Two 6½ inch (166 mm) drivers  
 One 10 inch (255 mm) sub-bass radiator

Size (Inches)

Satellite

7 H × 4¾ W × 5½ D  
 (18 cm H × 11 cm W × 14 cm D)

Subwoofer

12½ H × 20¼ W × 13 D  
 (32 cm H × 52 cm W × 33 cm D)

Overall Frequency Response of System

25 Hz-20.5 kHz

- 3dB Limits

42 Hz-18 kHz

Recommended Amplification

10-125 watts/channel

Impedance

Compatible with 8 ohm outputs

Efficiency

88 dB

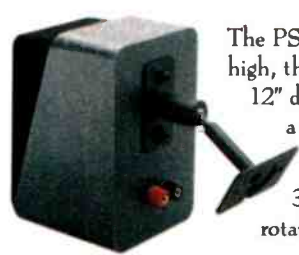
Shipping Weight

46 lbs. total (21 kg.)

Available cabinet finishes: paintable white, gloss piano black, and black matrix.



PS 3000



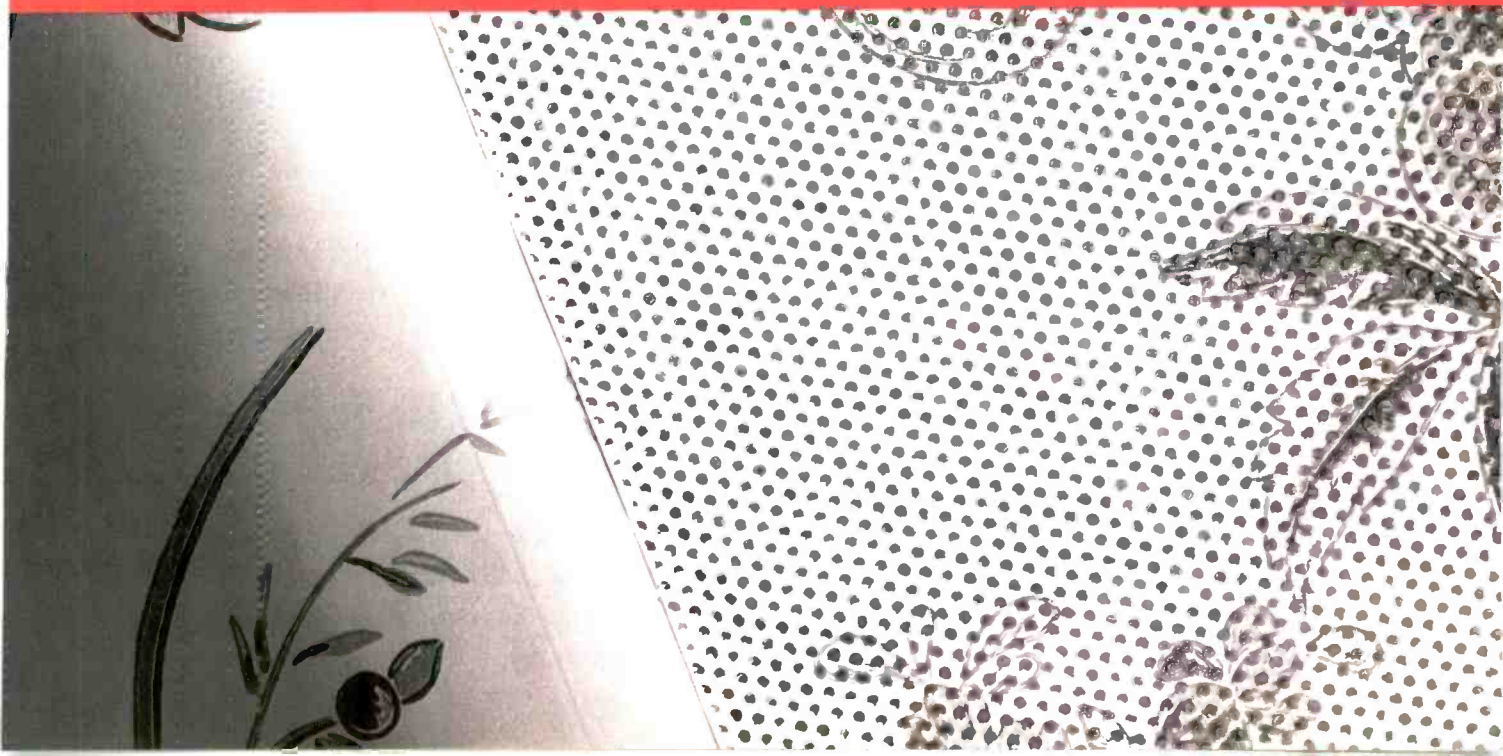
WB 3000

The PS 3000, Polkstand 3000, is 40" high, the base measuring 11" wide by 12" deep. The PS 3000 is available in a satin black finish.

The WB 3000, Wall Bracket 3000, measures 4½" high and rotates to any angle to provide numerous placement options, including wall and ceiling mounts. The brackets are available in white and satin black finishes.



*Sound so big you can feel it...*



## Today's New World of Home Entertainment

In just the past couple of years, there has been a remarkable number of new products that have heightened the quality and widened the variety of home entertainment. The development of the compact disc has led to a significant improvement in overall sound quality and convenience to the music lover. Amplifiers have become more powerful and pure. And, of course, Polk Audio has been setting new standards for loudspeaker performance with a wide range of innovative products.

Recently, bringing video and audio together as a total entertainment concept has become an exciting reality. Surround sound systems and sophisticated home theater systems rival the experience of a live concert or a night out at the movies.

High quality music systems and now in many cases video systems are becoming an important part of one's home environment. More and more people are installing sound systems throughout several rooms in their homes, in some cases creating one centralized entertainment room from which other rooms are supplied with music.



## ...from speakers you can barely

To take full advantage of all these entertaining offerings, an entirely new kind of high performance loudspeaker system was developed by Polk Audio.

### The Legendary Sound of Polk Can Now Be Heard, Not Seen.



- Polk Audio has introduced a new generation of
- loudspeakers. Loudspeakers that, as always, live up to
- Polk's reputation for sounding remarkably like a live
- performance. But this new
- generation of loudspeakers is

*The AB 900 subwoofer can be mounted almost invisibly in new or existing construction. Only the small (3 1/4"W x 4 1/4"H) decorative grille is seen.*

designed to be heard, not seen.

Polk's new Architectural Reference Built-In Loudspeakers (AB Series), delivers superior sonic performance without intruding on your living space. Designed to be built-in to your walls and, if desired, painted to match or complement any color of your decor, the AB Series is the perfect solution to delivering high quality sound throughout your home.

### The Speakers May Be Hidden, But You'll Recognize the Sound as Pure Polk.

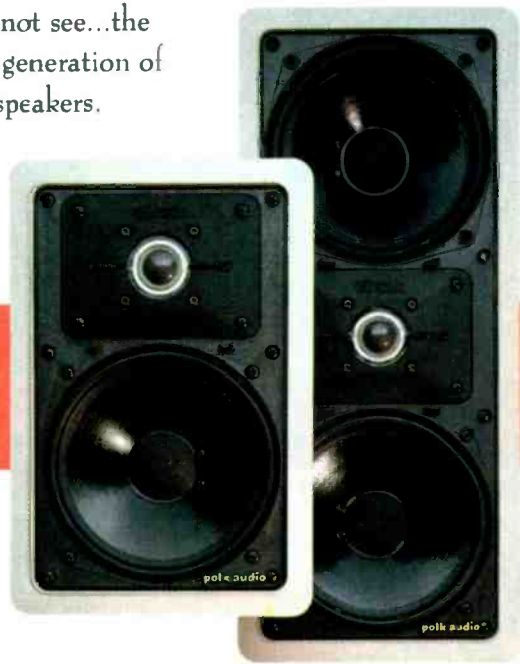
Polk engineers set out to create a series of loudspeakers that, while hidden from view, would reproduce a dramatic sound stage with the energy and depth of concert hall realism.

Even in the most basic of systems, the AB Series provides quality bass reproduction. By choosing models with additional midbass drivers or by adding one or more subwoofer systems, one can achieve a truly remarkable sound that dramatically recreates the excitement of a live performance.

### Ask Your Polk Dealer/Installer for More Details

Polk's Architectural Reference Built-In Loudspeakers have been designed for easy installation into existing structures as well as new construction. Many Polk dealers have created home environment listening areas to demonstrate the superior sound of the AB Series. Ask to listen to these remarkable new loudspeakers.

You'll hear but  
may not see...the  
next generation of  
loudspeakers.



*The AB 700 requires a 9 3/4" H x 6 1/4" W x 3" D cutout. The AB 800, with two midbass drivers, requires a 15 1/2" H x 6 1/4" W x 3" D cutout.*

*Polk's AB 700 Speaker System, built into this listening area, delivers astonishing realism without physically intruding on the living space.*

see.

For each AB system, ambitious performance goals were achieved. The open, 3-dimensional sound that has become a hallmark of Polk is recognized instantly, even in the smallest of systems. Nearly perfect high-frequency dispersion makes speaker placement less critical, and a flat frequency response provides endless listening without psychoacoustic fatigue.

Polk's superior components, including midbass drivers featuring trilaminate polymer diaphragms and hemispherical soft dome tweeters, set the AB systems apart from any other built-in speakers currently available. In the tradition of Polk Audio, each driver benefits from extensive research and development using the most sophisticated computer testing programs. As always only the finest grade components and materials are used to insure long term, trouble free operation.

**polk audio**

The Speaker Specialist®

5601 Metro Drive, Baltimore, MD 21215 (301)358-3600

CIRCLE NO. 35 ON READER SERVICE CARD

Driver Complement Satellites

One 2½ inch (64 mm) driver  
One ¾ inch (19 mm) tweeter

Subwoofer

Two 6½ inch (165 mm) drivers

Overall Size (Inches) Satellites

6½ H × 4 W × 3¼ D  
(165 mm H × 102 mm W × 95 mm D)

Subwoofer

21¼ H × 14½ W × 3¼ D  
(552 mm H × 368 mm W × 98 mm D)

Cut Out Size (Inches) Satellites

6 H × 3½ W (152 mm H × 89 mm W)

Subwoofer: Surface Mount

20¾ H × 13½ W (519 mm H × 333 mm W)

Flush Mount (Rough in Frame)

21¾ H × 14½ W (553 mm H × 368 mm W)

Overall Frequency Response of System

25 Hz-20.5 kHz  
- 3dB Limits

40 Hz-20 kHz

Recommended Amplification

10-150 watts/channel

Impedance

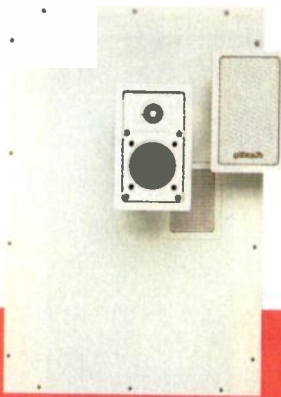
Compatible with 8 ohm outputs

Efficiency

88 dB

System Shipping Weight

45 lbs. (20.3 kg.)



AB 900



AB 800



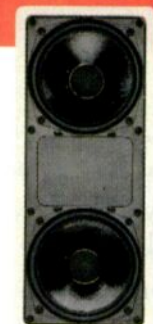
AB 700



AB 500



AB 600



AB 820

Driver Complement

One 5¼" (133 mm) trilaminate polymer bass/midrange driver  
One ¾" (19 mm) polymer dome tweeter

Size

6½" W × 9¾" H (17 cm W × 25 cm H)

Cutout Size

5¾" W × 8¾" H (14 cm W × 22 cm H)

Overall Frequency Response

56 Hz-20 kHz  
- 3dB Limits

70 Hz-18 kHz

Recommended Amplification

10-100 watts/channel

Impedance

Compatible with 8 ohm outputs

Efficiency

89 dB

Shipping Weight

6 lbs. (2.7 kg.)

Driver Complement

One 6½" (165 mm) Polk bilaminate bass-midrange driver  
One coaxial ¾" (19 mm) polymer dome tweeter

Size

10¾" H × 7¼" W (27 cm H × 18 cm W)

Cutout Size

9¾" H × 6¼" W (25 cm H × 16 cm W)

Overall Frequency Response

45 Hz-20 kHz  
- 3dB Limits

65 Hz-18 kHz

Recommended Amplification

10-100 watts/channel

Impedance

Compatible with 8 ohm outputs

Efficiency

90 dB

Shipping Weight

8½ lbs./pair (3.9 kg.)

Driver Complement

One 1" (25 mm) Polk SL2000T silver coil dome tweeter

One 6½" (165 mm) Polk MW 6512 trilaminate polymer bass-midrange driver

Size

10¾" H × 7¼" W (27 cm H × 18 cm W)

Cutout Size

9¾" H × 6¼" W (25 cm H × 16 cm W)

Overall Frequency Response

30 Hz-26 kHz  
- 3dB Limits

55 Hz-20 kHz

Recommended Amplification

10-125 watts/channel

Impedance

Compatible with 8 ohm outputs

Efficiency

90 dB

Shipping Weight

13 lbs./pair (6 kg.)

Driver Complement

Two 6½" (165 mm) Polk trilaminate polymer bass drivers

Size

16¾" H × 7¼" W  
(43 cm H × 18 cm W)

Cutout Size

15½" H × 6¼" W (39 cm H × 16 cm W)

Overall Frequency Response

20 Hz-25 kHz  
- 3dB Limits

35 Hz-15 kHz

Recommended Amplification

10-150 watts/channel

Impedance

Compatible with 8 ohm outputs

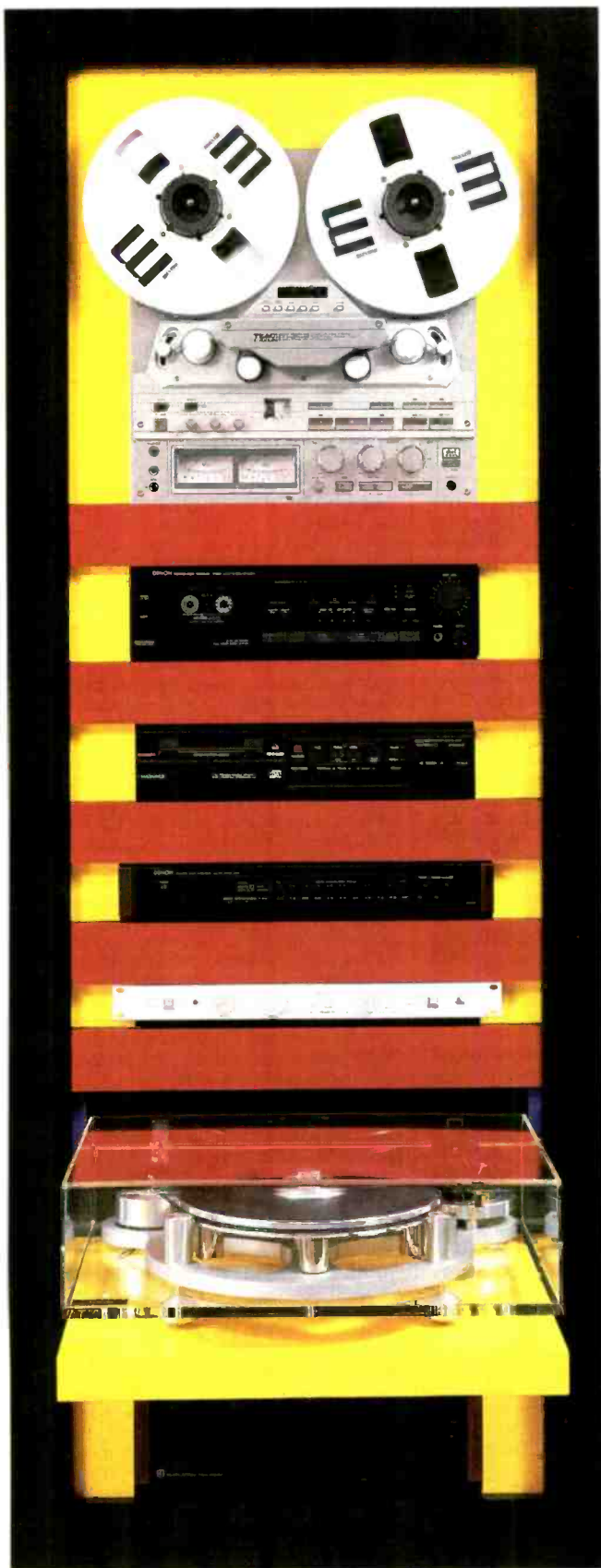
Efficiency

91 dB

Shipping Weight

15 lbs./pair (6.8 kg.)





# STEREO BUYERS' GUIDE

*WELCOME to the world's most complete listing of stereo components and accessories. In the following 200 pages, you'll find detailed information on features, performance specifications, and prices.*

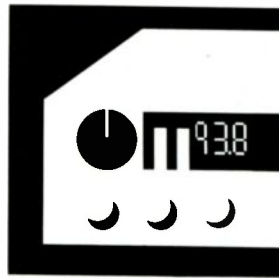
*The listings are divided into component categories and ordered alphabetically by manufacturer. Within each manufacturer's section, components appear in descending order of price.*

*Features and specifications have been supplied by the manufacturers, and they have not been verified by STEREO REVIEW lab tests. We advise you not to base purchasing decisions on specs alone.*

*Note that all prices listed in this guide are manufacturers' suggested retail, or list, prices. Actual selling prices vary from dealer to dealer.*

*For more information about products mentioned in this guide, contact an authorized dealer or the manufacturer. Manufacturers' addresses and telephone numbers are listed in the directory beginning on page 231. A glossary of commonly used terms and abbreviations begins on page 239.*

# RECEIVERS



## ACOUSTIC RESEARCH

### X-07 70-W/ch Receiver

Infrared remote to control power, volume, tuning, input selection, AR cassette-deck functions and AR CD-player functions. Features audio and video dubbing; close-tolerance metal-film resistors and film capacitors; concealed bass, midrange, treble, balance, loudness, mono, tape, VCR, tuning, and speaker-switching controls; 8 AM/8 FM station presets; gold-plated phono inputs. Inputs for MM phono; MC phono; tape; AUX; CD player; VCR 1; VCR 2; Tape 1; Tape 2; optional remote. Amp section: 70 continuous average W/ch from 20-20,000 Hz into 8 ohms with less than 0.03% THD, 80 W into 4 ohms; S/N 100 dBA. Tuner section: FM section 50-dB quieting sens stereo 40  $\mu$ V (37.2 dBf); FM S/N (at 65 dBf) 75 dB stereo, 80 dB mono; THD stereo 0.3%; capture ratio 1.0 dB; AM rejection 60 dB; alt-ch sel 70 dB. 3 $\frac{1}{2}$  x 17 x 15 $\frac{1}{2}$  in; 25.1 lb ..... \$800

RC-03. Remote control for the above ..... \$25

a/d/s/

### R4 70-W/ch Receiver

Features alphanumeric display on front panel indicating input source or received radio station. Digital-synthesis tuner with 30 memory presets for AM or FM stations; digital volume and tone controls; optional remote control; RS-232 port allows control through personal computer; optional remote capable of multiroom control. Amp section: 70 W/ch into 8/4 ohms, <0.07% THD; FR 20-20,000 Hz +0, -0.5 dB. Tuner section: IHF sens 26 dBf stereo; signal strength for 50-dB quieting 35 dBf stereo; capture ratio 1.5 dB; alt-ch sel 65 dB; max signal-to-noise ratio 75 dB mono, 70 dB stereo. 17 $\frac{1}{2}$  x 2 $\frac{1}{4}$  x 14 $\frac{1}{4}$  in; 23 lb ..... \$1,000

RC1 Unified Remote. For use with the above and other a/d/s/ components ..... \$150

## AIWA

### AXR-005 260-W A/V Receiver

AM/FM receiver with wireless learning remote control. Features Dolby Surround with 3 delay times and 5 surround modes; quartz-synthesis tuner with index tuning, 30 AM/FM station presets, 10-key direct-access tuning; 7-band graphic EQ with 6 factory-preset EQ curves that can be reprogrammed. 7-band spectrum analyzer with peak hold; 5 audio inputs, 3 S-video inputs; loudness control; motor-driven volume control with LED. Amp: (front) 120 W/ch min rms into 8 ohms from 20-20,000 Hz with <0.008% THD, (rear) 10 W/ch into 8 ohms at 1,000 Hz; S/N (IHF 66/IHF 78): MM phono 87/79 dBA, video/VDP/tape/DAT/CD 105/85 dBA. Tuner: usable sens 11.2 dBf; S/N 78 dB (stereo); THD 0.4% at 1,000 Hz (stereo); cap ratio 1.2 dB; alt-ch sel 65 dB at 300,000 Hz; stereo sep 45 dB at 1,000 Hz. 17 x 5 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in; 21.2 lb ..... \$770

### AXR-004 100-W/ch Surround-Sound Receiver

AM/FM receiver with wireless remote. Dolby Surround with 3 delay times and 5 surround modes; quartz-synthesis tuner with index tuning, 30 AM/FM station presets, 10-key direct-access tuning; 7-band graphic EQ with 6 preset EQ curves, 7-band spectrum analyzer with peak hold; loudness control; motor-driven volume control with LED; 5 audio inputs, 2 S-video inputs. Amp: (front) 100 W/ch min rms into 8 ohms from 20-20,000 Hz with <0.03% THD, (rear) 10 W/ch into 8 ohms at 1,000 Hz; S/N (IHF 66/IHF 78): MM phono 87/79 dBA, video/VDP/tape/DAT/CD 105/85 dBA. Tuner: 50-dB quieting sens 38.3 dBf (stereo); S/N 74 dB (stereo); THD 0.5% at 1,000 Hz (stereo); cap ratio 1.2 dB; alt-ch sel 60 dB at 400,000 Hz. 17 x 5 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in; 21 lb ..... \$550

### AXR-002 55-W/ch Surround-Sound Receiver

AM/FM receiver with wireless remote. Features quartz-synthesis tuner with index tuning, 30 AM/FM station presets, 10-key direct-access tuning; 5-band graphic EQ with 6 preset EQ curves that can be reprogrammed. 5-band spectrum analyzer with peak hold; loudness control; motorized volume control with LED; 5 audio inputs, 2 S-video inputs. Amp: (front) 55 W/ch min rms into 8 ohms from 20-20,000 Hz with <0.08% THD; S/N (IHF 66/IHF 78): MM phono 74/72 dBA, video/VDP/tape/DAT/CD 100/80 dBA. Tuner: 50-dB quieting sens 38.3 dBf (stereo); S/N 74 dB (stereo); THD 0.5% at 1,000 Hz (stereo); cap ratio 1.2 dB; alt-ch sel 60 dB at 400,000 Hz. 17 x 5 $\frac{1}{2}$  x 11 $\frac{1}{2}$  in; 14.8 lb ..... \$440

## BANG & OLUFSEN

### Beomaster 6500 50-W/ch Receiver

Integrates with Beosystem 6500. AM/FM receiver with master control panel. Features frequency-synthesis tuning. Multiroom capability with Beolink 7000 A/V infrared system controller; powerlink connectors supply audio and digital data for B&O's Beolab powered speakers; 20 station presets. Amp: 50 W/ch rms into 8 ohms from 20-20,000 Hz  $\pm$  1.5 dB with <0.09% THD; IM <0.1%; S/N 78 dBA (phono), 80 dBA (tape). Tuner: 50-dB quieting sens 40 dBf; S/N 70 dB; THD 0.2%; IM 0.1%; cap ratio 1.7 dB; adj-ch sel 10 dB; alt-ch sel 70 dB; AM rej 57 dB; ch sep 45 dB. 16 $\frac{1}{2}$  x 3 x 12 $\frac{1}{2}$  in; 19.3 lb. White/black with polished aluminum ..... \$2,220

### Beomaster 4500 20-W/ch Receiver

Remote controlled with Beolink 1000 terminal; digital tuner with 20 AM/FM presets; multiroom capability; optional wall mounting brackets; programmable volume and tone levels; programmable inputs; integrates with B&O video products. Black and silver finish. Amp: FR 20-20,000 Hz,  $\pm$  1.5 dB; THD <0.1%; S/N >77 dB. FM tuner 50-dB quieting sens 19 dBf mono, 40 dBf stereo; FR 20-15,000 Hz,  $\pm$  1.0 dB; S/N 65 dBf; cap ratio 1.7 dB. 24 $\frac{1}{2}$  x 2 $\frac{1}{2}$  x 9 $\frac{1}{2}$  in; 15 lb, 6 oz ..... \$1,098

## CARRERA

### CR-2530 30-W/ch Receiver

AM/FM receiver featuring headphone jack with level control. Amp: FR 20-20,000 Hz; THD 0.25%. Tuner: 38 dBf stereo; cap ratio 1.7; alt-ch sel 58 dB. 13 lb ..... \$200

### CR-2300 25-W/ch Receiver

AM/FM receiver featuring headphone jack with level control. Amp: FR 40-20,000 Hz; THD 0.5%. Tuner: 41 dBf stereo; cap ratio 2; alt-ch sel 50 dB. 12 $\frac{1}{2}$  lb ..... \$150

## CARVER

### HR-772 140-W/ch Receiver

AM/FM receiver with wireless remote and Sonic Holography. Features asymmetrical charge-coupled FM circuitry, 20 AM/FM station presets; auto scan/manual tuning; signal-strength indicator; 3 audio inputs; 2 video inputs; 1 video output; dual tape inputs with dubbing; source-direct bypass; loudness equalization; motorized volume control; pre-out jacks; headphone monitor jack; 27-button remote control. Amp: FR 20-20,000 Hz; THD 0.1%; S/N 90 db. Tuner: IHF sens 11.3 dBf mono; cap ratio 1.5; alt-ch sel 72 dB. 19 x 5 $\frac{1}{2}$  x 18 in ..... \$800

### HR-752 100-W/ch Surround-Sound Receiver

AM/FM receiver with wireless remote and Sonic Holography. Features asymmetrical charge-coupled FM circuitry; magnetic-field amplifier section. A/B speaker outputs; matrix surround-sound synthesizer, 20 AM/FM presets with preset scan; 5 audio inputs; CD direct; motorized volume control; 3-band tone controls; pre/main outputs. 100 W/ch; THD 0.5%; S/N 85 dB phono, 78 dB stereo; cap ratio 1.5; THD FM stereo THD 0.2%; alt-ch sel 52 dB; 35 lb ..... \$650

### HR-722 60-W/ch Receiver

AM/FM receiver with wireless remote and Sonic Holography. Features asymmetrical charge-coupled FM circuitry; magnetic field amplifier section. 20 AM/FM presets with preset scan; 5 audio inputs; CD direct; motorized volume control; A/B speaker outputs; 3-band tone controls; dual tape inputs with dubbing. 60 W/ch; THD 0.5%; S/N 85 dB phono, 78 dB stereo; cap ratio 1.5; alt-ch sel 52 dB; 35 lb ..... \$550

## DENON

### DRA-1025RA 125-W/ch Receiver

AM/FM receiver featuring optical Class A circuitry; video section provides Simul-Cast copy and simulated stereo circuit; FM tuner has switchable IF bandwidth. A/B speaker selector; variable loudness control; separate input and rec out selectors; pre-out/main-in jacks; 7 audio inputs plus tuner, 3 video inputs; 16-station random preset memory; last-station memory; seek, preset scan and manual step tuning; integral system remote control. FR 20-

# RECEIVERS

50,000 Hz  $\pm$  1.5 dB; S/N (line) 103 dB, (MM) 92 dB, (MC) 75 dB. FM: cap ratio 1.2 dB; S/N (stereo) 82 dB; THD (stereo) 0.07% . . . . \$1,000  
**DRA-825RA**. Similar to above, 90 W/ch. . . \$800

## AVR-1010 4/6-Channel A/V Receiver

Six-channel/four-channel Dolby Pro Logic surround-sound A/V receiver with bridgeable channels. 4 Dolby modes for video, and 3 modes for audio or video sources; adjustable digital delay (0 to 40 msec in 5 msec steps.) 5 video ins, 3 video outs; 4 video ins, 3 video outs; 9 audio ins, 7 audio outs; front-panel inputs; 16 presets; last-station memory; mono subwoofer output; programmable remote. 6-ch mode: 100 W/ch front, 35 W/ch rear, 35 W/ch center; 4-ch mode: 70 W/ch center, 100 W/ch rear. FM section: stereo 50 dB sens; S/N 75 dB; stereo THD 0.2%. AM section: S/N 50 dB . . . . . \$1,000

## DRA-625RA 65-W/ch Receiver

AM/FM receiver with integral system remote control. Features variable loudness EQ; pre-out jacks; 3-way speaker terminals; 16 presets; last-channel memory. THD 0.0095%; IM 0.025%; FR 20-50,000 Hz  $\pm$  1.5dB; S/N: phono 88 dB, FM 82 dB, CD/tuner/tape 98 dB . . . . . \$500

## DRA-435R 55-W/ch A/V Receiver

AM/FM receiver featuring oversized power transformer. Electronic switching; bass-equalizer circuit. Variable loudness control; 16 presets; last-station memory; video and VCR terminals. FR 20-50,000 Hz  $\pm$  1.5 dB; S/N (line) 95 dB, (MM) 78 dB. FM section: capture ratio 1.5 dB; S/N (stereo) 78 dB; THD (stereo) 0.15%; usable sens 18  $\mu$ V; S/N 55 dB . . . . . \$350  
**DRA-335R**. As above, no video section . . \$270

## FISHER

### RS627B 100-W/ch Receiver

AM/FM receiver with Class A11 circuitry. Quartz PLL-synthesis tuner; 24 presets; FM mute; source-direct switch; CD-record switch; remote-controlled volume; 5-band graphic EQ. Remote control. 100 W/ch min rms into 8 ohms; FR 20-20,000 Hz; THD <0.05%; S/N 55 dB . . . \$500

### RS625B 120-W/ch Receiver

AM/FM receiver with remote control. Features 5-band graphic EQ; 24-AM/FM presets; autoscanning; FM muting; loudness switch; FL display. 120 W/ch rms into 8 ohms; FR 20-20,000 Hz; THD <0.09% . . . . . \$450

### RS615B 60-W/ch Receiver

AM/FM receiver with remote control. Features 5-band graphic EQ; 24-AM/FM presets; autoscanning; FM muting; loudness switch; FL display. 60 W/ch rms into 8 ohms; FR 20-20,000 Hz; THD <0.09% . . . . . \$350

### RS605B 40-W/ch Receiver

Features 5-band graphic EQ; 24 AM/FM presets; autoscanning; FM muting; loudness switch; FL display. 40 W/ch rms into 8 ohms; FR 20-20,000 Hz; THD <0.09% . . . . . \$250

## HARMAN KARDON

All receivers feature a digital-synthesis, quartz-locking AM/FM tuner with seek tuning and a remote control.

### hk990 Vxi 90-W/ch Receiver

Features 18-AM/FM presets; dual tape and A/V monitors; high-level CD inputs; external processor jacks; MC head amp; subsonic filter; tape-copy selector. Amp: 90 W/ch cont avg into 8 ohms with <0.08% THD; S/N 98 dB. Tuner: 50-dB quieting sens 36 dBf; AM rej 55 dB; cap ratio 1.0 dB; adj-/alt-ch sel 30/80 dB . . . . . \$1,099

### hk880 Vxi 60-W/ch Receiver

Features 18-AM/FM presets; two A/V tape monitors; high-level CD inputs; external processor jacks; subsonic filter; tape copy selector. Amp: 60 W/ch cont avg into 8 ohms with <0.08% THD; S/N 98 dB. Tuner: 50-dB quieting sens 36 dBf; AM rej 55 dB; cap ratio 1.0 dB . . . . . \$799

### hk3500 50-W/ch Receiver

Features 16 AM/FM presets; 2 tape monitors; high-level CD, video, aux inputs; subwoofer output; 7-way tape-copy selector. Amp: 50 W/ch cont avg into 8 ohms with <0.09% THD \$619

### hk3400 35-W/ch Receiver

Features 16 AM/FM presets; 2 tape monitors; high-level CD, video inputs; subwoofer output with level control. Amp: 35W/ch cont avg into 8 ohms with >0.09% THD . . . . . \$449

### hk3300 25-W/ch Receiver

16 AM/FM presets; 2 tape monitors; high-level CD, video inputs; subwoofer output. Amp: 25W/ch cont avg into 8 ohms with <0.09% THD . . . . . \$329

## JVC

### RX1010VTN 120-W/ch A/V Receiver

AM/FM receiver featuring Dolby Pro Logic with adjustable digital delay. Features 3 A/V inputs; 5 inputs/3 outputs; digital tuning with 40 AM/FM presets; 7-band graphic EQ; 10 EQ presets; MC and MM phono inputs; FL display; programmable A/V remote with LCD. 120 W/ch with 0.007% THD into 8 ohms . . . . . \$1,500  
**RX903VBK**. Similar to above. 100 W/ch . \$950  
**RX803VBK**. Similar to above. 120 W/ch; 2 A/V input/outputs; 4 inputs/2 outputs for phono, CD, and 2 tapes . . . . . \$620  
**RX703VBK**. Similar to above. 100 W/ch . \$500  
**RX503BK**. Similar to above. 80 W/ch; without A/V input/outputs . . . . . \$360  
**RX403BK**. Similar to above. 60 W/ch; 5-band graphic EQ . . . . . \$320  
**RX302BK**. As above, no remote control . \$255  
**RX201BK**. As above. 40 W/ch; no EQ . . . \$230

## KENWOOD

### KR-V9020 130-W/ch A/V Receiver

4-ch A/V receiver with 130 W/ch front and 20 W/ch rear, 7-band graphic EQ/spectrum analyzer, and video dubbing. Dolby Pro Logic circuitry, test-tone, center channel, and rear preouts. Adjustable digital delay; programmable remote; 4 video inputs; 20-AM/FM presets; 10-EQ presets; on screen display; digital input. FR 10-100,000 Hz  $\pm$  0, -3 dB; THD 0.008%; S/N 100 dB. 50-dB quieting sens 37.2 dBf stereo; AM rej 57 dB; cap ratio 1.2 dB . . . . . \$850

### KR-V8020 100-W/ch A/V Receiver

4-ch A/V receiver with 100 W/ch front and 20 W/ch rear, 7-band graphic EQ, and video dubbing. Dolby Surround, Theater Hall surround-sound modes. Remote control. 3 video inputs; rear preouts; 20-AM/FM presets; 10-EQ presets; digital input. FR 10-100,000 Hz  $\pm$  0, -3 dB; THD 0.008%; S/N 100 dB. 50-dB quieting sens 37.2 dBf stereo; AM rej 57 dB; cap ratio 1.2 dB . \$679

### KR-V7020 100-W/ch A/V Receiver

4-ch A/V receiver with 100 W/ch front and 15 W/ch rear, and video dubbing. Dolby Surround and digital-delay modes. 2 video inputs; rear preouts; 30 AM/FM presets. Remote control. FR 10-50,000 Hz  $\pm$  0, -3 dB; THD 0.06%; S/N 100 dB. 50-dB quieting sens 38.2 dBf stereo; AM rejection 65 dB; cap ratio 2.0 dB . . . . . \$499

### KR-V6020 70-W/ch A/V Receiver

4-ch A/V receiver with 70 W/ch front and 5 W/ch

rear. Dolby Surround and digital-delay modes. Remote control; 2 video inputs; 30 AM/FM presets. FR 10-50,000 Hz  $\pm$  0, -3 dB; total harmonic distortion 0.08%; signal-to-noise ratio 100 dB. 50-dB quieting sens 38.2 dBf stereo; AM rej 65 dB; cap ratio 2.0 dB . . . . . \$399

### KR-A5520 100-W/ch Receiver

Features remote control; 30 AM/FM station/name presets. FR 10-50,000 Hz  $\pm$  0, -3 dB; THD 0.06%; S/N 100 dB. 50-dB quieting sens 38.2 dBf stereo; AM rej 65 dB; cap ratio 2.0 dB . . . . \$399

### KR-A5020 60-W/ch Receiver

Features remote control; 30 AM/FM presets; 2 video-sound inputs. FR 10-50,000 Hz  $\pm$  0, -3 dB; THD 0.01%; S/N 100 dB. 50-dB quieting sens 38.2 dBf stereo; AM rej 65 dB . . . . . \$299

### KR-A4020 40-W/ch Receiver

Features 30 AM/FM presets; electronic input selectors; preset scan; auto and manual tuning. FR 10-50,000 Hz  $\pm$  0, -3 dB; THD 0.01%; S/N 100 dB. 50-dB quieting sens 38.2 dBf stereo; AM rej 65 dB; cap ratio 2.0 dB; sel 53 dB at 400 Hz \$229

## LUXMAN

### R-117 160-W/Ch AM/FM Receiver

Receiver with system remote control. Dual-gate MOSFET FM front end; Duo-Beta dual feedback-loop amp circuitry. 20 AM/FM presets; cable FM fine tuning; CD-direct, 3 video, MM/MC-phono inputs; subsonic filter; FM IF-bandwidth selector; pre-out/main-in and signal-processor jacks. Amp: 160 W/ch from 20-20,000 Hz into 8 ohms with 0.03% THD; S/N: MC 70 dB, MM 88 dB, CD/tape/video 100 dB; IM 0.03%. FM section: 50-dB quieting sens 36.6 dBf (stereo); alt-ch sel 75 dB (narrow IF). AM section: S/N 50 dB \$1,200  
**R-115**. Similar to above except 75 W/ch; 2 video inputs; no MC phono input. S/N: phono 88 dB, CD/tape/video 98 dB, 25.5 lb . . . . . \$850  
**R-114**. Similar to above except 50 W/ch into 2 ohms. Remote also compatible DC-113 CD changer, DC-114 CD changer and K-110W dual cassette deck . . . . . \$550  
**R-113**. Similar to above except 35 W/ch, no remote control. THD 0.08% . . . . . \$400

## MARANTZ

### RS2253CB 50-W/ch Receiver

Features surround-sound capability; uniphase circuit design; remote control . . . . . \$250

### RS 2252CB 25-W/ch Receiver

Features relay speaker switching; ultra-low-noise phono/FM circuitry; remote control. \$200

### Century Collection

### RS 3559 125-W/ch A/V Receiver

Five amplifiers and remote. Dolby Surround; 6-sector display; CD direct; 10-channel AM/FM memory; 30 presets; 3 video inputs . . . \$1,000

### RS 3557 100-W/ch A/V Receiver

Four amplifiers and remote. Dolby Surround; 10-channel FM memory; 30 presets; 3 video inputs . . . . . \$700

### RS 3555 50-W/ch Receiver

Four independent amplifiers and remote. Features CD direct; 2-color display; station character generator . . . . . \$500

## MCINTOSH

### MAC 4300V 100-W/ch Receiver

Features MPX filter; 6 AM/FM station presets; signal-strength indicator; loudness control; 1, 2, and 1+2 speaker selector; 5-band equalizer;

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scan; headphone jack; remote control. Amp: THD 0.02%; IM 0.02%; FR 20-20,000 Hz +0, -0.5 dB; SN 100 dBA. Tuner: S/N 75 dB stereo; FR 20-15,000 Hz +0, -1.0 dB stereo; THD 0.08% at 1,000 Hz. 18½ x 6 x 14 in; 34.5 lb ..... \$2,995

## MAC 4280 75-W/ch Receiver

Features MPX filter; 5 AM/FM station presets; signal-strength indicator; Power Guard circuit; 1, 2, and 1+2 speaker selector; 3-band equalizer; scan; headphone jack. Amp: THD 0.03%; IM 0.03%; FR 20-20,000 Hz +0, -0.5 dB; 100 dBA. Tuner: S/N 75 dB stereo; FR 20-15,000 Hz, ±0.5 dB stereo; THD 0.1% at 1,000 Hz. 18¼ x 5¼ x 15½ in; 25 lb ..... \$1,995  
**MAC 4275.** Similar to the above; without remote control ..... \$2,099

## MITSUBISHI

### M-R8010 125-W/ch A/V Receiver

AM/FM receiver with Dolby Pro Logic Stadium, Club, and Theater Surround. On-screen menus; subsonic and high-cut filters. 16 AM/FM presets; programmable remote; clipping indicator; center channel outputs; preamp connections; 6 A/V inputs, 1 monitor, and 2 audio tape outputs. FR 20-20,000 Hz; THD 0.05%; S/N 80 dB ... \$1,299

### M-R7020 80-W/ch A/V Receiver

AM/FM receiver with on-screen menus. Subsonic and high-cut filters. 16 AM/FM presets; programmable remote; low-level surround and center-channel outputs; preamp connections; 6 A/V inputs (including S-VHS); monitor, audio/video tape outputs; phono input\*. FR 20-20,000 Hz; THD 0.05%; S/N 80 dB ..... \$999

### M-R8010 80-W/ch A/V Receiver

AM/FM receiver with 16 AM/FM presets. Subsonic and high-cut filters; programmable remote; preamp connections; 6 A/V inputs, 1 phono input; 1 monitor, surround output. FR 20-20,000 Hz; THD 0.05%; S/N 80 dB ..... \$700

## NAD

### Model 7400 Monitor Series 100-W/ch Receiver

Bridgeable AM/FM stereo receiver with power-envelope circuitry. Features soft-clipping circuit. 14 random AM/FM presets; MM/MC switch on discrete 4-transistor phono preamp; semiparametric tone controls; bass EQ; preamp out/main in. 100 W/ch rms; +5.7 dB dynamic headroom. Rack mountable ..... \$999

### Model 7100X Monitor Series 60-W/ch Receiver

Bridgeable AM/FM stereo receiver with power-envelope circuitry. Features soft-clipping circuit. 14 random AM/FM pre-sets; MM/MC switch on discrete 4 transistor phono preamp; bass EQ; preamp out/main in; remote control. 50 W/ch rms ..... \$749

### Model 7000 Monitor Series 40-W/ch Receiver

AM/FM stereo receiver with power-envelope circuitry. Features soft-clipping circuit. 14 random AM/FM presets; MM/MC switch on discrete 4 transistor phono preamp; bass EQ; pre-out/main-in. 40-W/ch rms. Rack mountable... \$579

### Model 7240PE 40-W/ch Receiver

AM/FM receiver featuring soft-clipping circuit; high-current output stage; low-noise phono preamp. Speaker imp selector; bass EQ. 40 W/ch rms; +6 dB dynamic headroom ..... \$479

### Model 7225PE 20-W/ch Receiver

AM/FM receiver featuring power-envelope circuitry; soft-clipping circuitry. Preamp out/main in; bass EQ; 5-way speaker binding posts. 20 W/ch rms; +4.4 dB dynamic headroom ..... \$329

## NAKAMICHI

### TA-4A 100-W/ch A/V Receiver

Features Stasis power amplifiers (two internal amplifiers for high/low impedance source). Multiregulated isolated-ground power supply; four high-Q twin-varicap diode tuner; FET differential preamp. Tone, variable loudness and mute controls; MM/MC phono preamp with defeatable subsonic filter; quartz-PLL tuner with 10 presets; 5 audio and 3 video inputs; system remote control with multiroom expansion capability. Amp: 100 W/ch cont avg into 8 ohms; FR 20-20,000 Hz ±0.5 dB; THD <0.1% at 20-20,000 Hz; S/N >100 dB. Tuner: 50-dB quieting sens 37.5 dBf stereo; cap ratio 2.0 dB; alt-ch sel 65 dB. 17 x 5 x 14¼ in; 33 lb ..... \$1,295

### Receiver1 80-W/ch Receiver

Features Harmonic Time Alignment (HTA) amplifier circuitry. Isolated-ground topology; multiregulated power supply; wide-bandwidth video buffer amp; quartz-locked frequency-synthesis PLL tuner; dual-gate MOSFET; ceramic resonator multiplex section; isolation buffer at output stage of tuner section. System remote control; multiroom control capability; motor-driven volume control; pre-out/main-in jacks; 10 FM/AM station presets; remote A/B speaker selection capability; 3 video inputs, 2 video outputs. FR 20-20,000 Hz +0, -0.5 dB; S/N >100 dB; THD <0.1%; 50-dB quieting sens (mono) 14.7 dBf, (stereo) 37.5 dBf. 17 x 4 x 14½ in; 24.25 lb ..... \$899

### Receiver2 55-W/ch Receiver

Features Harmonic Time Alignment (HTA) amplifier circuitry. Isolated-ground topology; multiregulated power supply; quartz-locked frequency-synthesis PLL tuner; dual-gate MOSFET; isolation buffer at output stage of tuner section. System remote control; multiroom control capability; motorized volume control; pre-out/main-in jacks; 10 FM/AM station presets; remote A/B speaker selection. FR 20-20,000 Hz +0, -0.5 dB; S/N >100 dB; THD <0.1%; 50-dB quieting sens (mono) 15.7 dBf, (stereo) 38.5 dBf; cap ratio 2.0 dB. 17 x 4 x 14¼ in ..... \$599

### Receiver3 37-W/ch Receiver

Features isolated-ground topology; multiregulated power supply; quartz-locked frequency-synthesis PLL tuner; dual-gate MOSFET. System remote control; multiroom control capability; motorized volume control; pre-out jacks; 10 FM/AM station presets. FR 20-20,000 Hz +0, -0.5 dB; S/N >98 dB; THD <0.1%; 50-dB quieting sens (mono) 15.7 dBf, (stereo) 38.5 dBf; cap ratio 2.0 dB. 17 x 4 x 10¾ in ..... \$349

## ONKYO

### TX-SV90 PRO 550-W A/V Receiver

5 low-imp-drive amp sections, discrete outputs. Features Dolby Pro Logic decoder; additional hall and matrix surround modes; adjustable digital delay; 20 random-access presets with battery-free backup; cable fine tuning (25,000 Hz steps); S-video connectors; front-panel camcorder inputs; simulated stereo; dynamic bass expander; RI remote compatible with supplied programmable control ..... \$1,100

### TX-SV70 PRO 315-W A/V Receiver

5 low-imp-drive amp sections and discrete outputs. 85 W/ch front, 85 W center, 30 W/ch rear. Features Dolby Pro Logic; hall and matrix surround modes; Dolby 3-channel sound processor; room-to-room capability; on-screen display; 6 audio-input and 4 video-input selectors; simulated stereo; adjustable digital delay; 30-station random-access tuning; 10-key direct-access tuning; classified memory scan; FM mute

switch and tuning level switch; headphone jack; front A/V input terminal; 5-way binding post speaker terminals; sleep timer; RI remote compatible; universal programmable remote ..... \$900

### TX-SV50 PRO 200-W A/V Receiver

Low-impedance-drive amp sections, discrete outputs. 70 W/ch front, 30 W/ch rear. Features Dolby Pro Logic; hall and matrix surround modes; room-to-room capability; 6 audio-input and 3 video-input selectors; adjustable digital delay; pre-out jack for center output; 30-station random-access tuning; classified memory scan; FM-mute switch and tuning-level switch; headphone jack; 5-way binding-post speaker terminals; sleep timer; RI remote compatible; universal programmable remote controller included ..... \$750

### TX-866 80-W/ch Receiver

Low-impedance-drive amp sections, discrete outputs. Features 4 mode APR (Automatic Precision Reception) tuner section; 40 random-access presets with battery-free backup; 6-category classified memory scan; room-to-room remote-control capability; selective tone control; simulated stereo; dynamic bass expander; 10-key direct-station tuning; sleep timer; stereo image expander pre-out/main-in jacks; RI remote compatible with supplied controller. Can be used with HR-10W and HE-50AC multiple-room accessories. 80 W/ch rms into 8 ohms \$480

### TX-844 60-W/ch Receiver

Low-impedance-drive discrete outputs. Features 3 mode APR (Automatic Precision Reception) tuner section; 40 random-access presets with battery-free backup; 6-category classified memory scan; room-to-room remote-control capability; selective tone control; simulated stereo; 10-key direct-station tuning; sleep timer; RI remote compatible with supplied controller. Can be used with HR-10W, HE-10, and HE-50AC multiple-room accessories. 60 W/ch into 8 ohms ..... \$350

### TX-822 50-W/ch Receiver

2-mode APR (Automatic Precision Reception) tuner section; 30-random access presets with battery-free backup; high-density fluorescent display; loudness control; tape dubbing; RI remote compatible with supplied controller. 50 W/ch into 8 ohms ..... \$250

### TX-811 40-W/ch Receiver

2-mode APR (Automatic Precision Reception) tuner section; 30 random-access presets with battery-free backup; high-density fluorescent display; loudness control; tape dubbing. 40 W/ch into 8 ohms ..... \$200

## Integra Series

### Integra TX-890 125-W/Ch Receiver

Discrete output circuitry and low-impedance drive capability. Features FM tuner with 5-mode APR (Automatic Precision Reception) system to improve reception: A/B antenna, RF (distant/local), IF bandwidth (wide/narrow/S-narrow), hi-blend (on/off), and stereo/mono; dual FM antenna inputs. 20 station presets with battery-free backup; cable FM fine tuning (25 kHz steps); dynamic bass expander; selective tone control with 50-Hz boost; digital input; MM/MC phono inputs; rec out selector; sleep timer; pre-out/main-in jacks; RI remote compatible. Controller and side panels included. 125 W/ch min rms into 8 ohms; dynamic power 380 W/ch into 2 ohms ..... \$820

**Integra TX-890M.** Same as above except RC-AV20M programmable remote control replaces audio-only controller ..... \$880

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## Integra TX-870 105-W/ch Receiver

Discrete output circuitry and low-impedance drive capability. Features AM/FM tuner with 4-mode APR (Automatic Precision Reception) system; distant/local, IF bandwidth (wide/narrow), hi-blend (on/off), and stereo/mono. 20 station presets with battery-free backup; selective tone control with 50-Hz boost; cable FM fine tuning (25 kHz steps); digital input; simulated-stereo processor; video dubbing; alternate audio dubbing; sleep timer; pre-out/main-in jacks; RI remote compatible. Controller included. 105 W/ch min rms into 8 ohms; dynamic power 310 W/ch into 2 ohms. . . . . \$680  
**Integra TX-870M.** Same as above except RC-AV20M programmable remote control replaces audio-only controller. . . . . \$740

## OPTIMUS BY RADIO SHACK

### STAV-3200 100-W/ch A/V Receiver

AM/FM receiver. Features Dolby Surround; digital-synthesis tuner; protection circuits; sub filter button. 30 station presets; two-way tape dubbing while listening to another source; video-dubbing button; mono/FM mute off button; alphanumeric display for preset memory number, radio frequency, program source, signal strength. 100 W/ch rms into 8 ohms from 20-20,000 Hz with no more than 0.05% THD; FR 20-20,000 Hz  $\pm 1$  dB; S/N 85 dB, phono, 95 dB, aux. Tuner: AM IF rej 60 dB; FM IHF sens 1.7  $\mu$ V at 3% THD; cap ratio 2.5 dB; S/N 72 dB. 17 $\frac{1}{2}$  x 5 $\frac{1}{8}$  x 15 in; 26.25 lbs. . . . . \$500

### STAV-3100 100-W/ch A/V Receiver

AM/FM receiver. Features digital-synthesis tuning; protection circuits; subfilter button. 30 station presets; two-way tape dubbing while listening to another source; video-dubbing button; mono/FM mute off button; alphanumeric display for preset memory number, radio frequency, program source, signal strength. 100 W/ch rms into 8 ohms from 20-20,000 Hz, with no more than 0.05% THD; FR 20-20,000 Hz  $\pm 1$  dB; S/N 85 dB, phono, 95 dB, aux. Tuner: AM IF rej 40 dB; FM IHF sens 1.7  $\mu$ V at 3% THD; cap ratio 2.5 dB; S/N 72 dB. 17 $\frac{1}{2}$  x 5 $\frac{1}{8}$  x 15 in; 23.4 lbs. . . . . \$450

### STAV-3000 100-W/ch A/V Receiver

AM/FM receiver. Features digital-synthesis tuning; protection circuits; subfilter button. 8 preset buttons with 8 AM/16 FM presets; two-way tape dubbing while listening to another source; video-dubbing button; mono/FM mute off button. 100 W/ch rms into 8 ohms from 20-20,000 Hz, with no more than 0.05% THD; FR 20-20,000 Hz  $\pm 1$  dB; S/N 85 dB, phono, 95 dB, aux. Tuner: AM IF rej 60 dB; FM IHF sens 1.7  $\mu$ V at 3% THD; cap ratio 2.5 dB; S/N 72 dB. 17 $\frac{1}{2}$  x 5 $\frac{1}{8}$  x 15 in; 23 $\frac{3}{8}$  lbs. . . . . \$400

### STAV-2160 100-W/ch A/V Receiver

AM/FM receiver. Features digital-synthesis tuning; protection circuit. 8 AM/16 FM presets; power-output meter. 100 W/ch rms into 8 ohms from 40-20,000 Hz, with no more than 0.3% THD; FR 20-20,000 Hz  $\pm 1$  dB; S/N 85 dB, phono, 100 dB, aux. Tuner section: AM IF rej 35 dB at 600 Hz; FM IHF sensitivity 1.7  $\mu$ V at 3% THD; capture ratio 2.5 dB; S/N 70 dB. 16 $\frac{1}{2}$  x 4 $\frac{1}{4}$  x 14 in; 19.9 lb. . . . . \$340

### STAV-20 5-W/ch Portable Receiver

AM/FM receiver. Features EQ switch to provide uniform output at low frequencies. CD/tape input jack for portable CD player; tape-out jacks; tuned indicator shows when strongest signal is received. 5 W/ch rms into 8 ohms from 40-20,000 Hz with no more than 0.05% THD; S/N 70 dB; FR 20-20,000 Hz  $\pm 1.5$  dB. Tuner: FM IHF sens 450  $\mu$ V/m at 10% IHF; S/N 37 dB. . . . . \$130

## PHILIPS

### FR 980 125-W/ch A/V Receiver

4-ch A/V receiver with Dolby Surround. Features surround mode with matrix, spatial, stereo, mono; digital-synthesis AM/FM tuner with 19 presets; 7-band graphic EQ with programmable acoustic memory; dual motorized volume control; record selector with parallel recording capability; MM or MC phono settings; ambience-control switch; 9 audio inputs; 4 audio outputs; 4 video inputs; 3 video outputs; AM and FM antennas; headphone jack; function display; preset scanning function for AM/FM tuner. 50-key universal A/V remote with LCD display. 125 W/ch (front); 15 W/ch (rear); S/N 75 dB; THD 0.1%. 16 $\frac{1}{2}$  x 4 $\frac{3}{4}$  x 15 $\frac{1}{2}$  in; 35 lb. . . . . \$999

### FR-70 70-W/ch Receiver

Features discrete output transistors. 39-key remote controls all Philips TV's and selects VCR's; dual F-type FM input connectors; subsonic filter built into phono preamp section; audio inputs for phono, CD, tape, TV, CDV, VCR; audio outputs for tape and VCR; video inputs for TV, CDV and VCR; and video outputs for VCR and TV monitor; 30 random presets and memo scan; auto scan; preset scan; optional sleep timer. \$499  
**FR-60.** Similar to above, 60 W/ch. . . . . \$399  
**FR-50.** Similar to above, 50 W/ch. . . . . \$299

## PIONEER

### VSX-D1S 380-W A/V Receiver

Mode A: 130 W/ch into 8 ohms from 20-20,000 Hz with <0.005% THD, 40 W/ch at 8 ohms, 1,000 Hz with 0.08% THD (rear and center). Mode B: 70 W/ch at 8 ohms from 20-20,000 Hz with <0.005% THD (front and rear), 40 W/ch at 8 ohms, 1,000 Hz with 0.08% THD (rear). Features two digital signal processors; Dolby Pro Logic surround with digital processing and auto input balance; 5 digitally simulated sound fields; adjustable delay time. Multiroom/source capable with optional MR-100; 2 center mono outputs; full-mode recording selector; source-direct switch; remote; 6 video inputs; video adaptor loop; 5 audio inputs; split-screen video enhancer, with five preset levels in memory; S-video terminal; 30 AM/FM presets; HITS (Hyper Intelligent Tuning System) with ID's for 30 stations; custom memory tuning; motorized volume control; auto dimmer; preamp-output/power-input terminals (front, rear, center); A/V inputs for VCR-3 on front-panel; 120/90/60/30-minute sleep timer. 16 $\frac{1}{2}$  x 6 $\frac{1}{2}$  x 18 in; 32 lb. . . . . \$1,350

### VSX-9700S 370-W A/V Receiver

125 W/ch at 8 ohms from 20-20,000 Hz with <0.005% THD (front). 40 W/ch at 8 ohms, 1,000 Hz with 0.08% THD (center and rear). Features Dolby Pro Logic surround with digital delay (15/20/30- $\mu$ sec switchable) and auto input balance; stadium and simulated surround. Multiroom/source capable with optional MR-100; VCR-1 record selector; programmable remote; 6 video inputs; video adaptor loop; 5 audio inputs; split-screen video enhancer; S-video terminal; acoustic memory; 30 AM/FM presets; HITS (Hyper Intelligent Tuning System) with ID's for 30 stations; motor-driven volume control; auto dimmer; preamp-output/power-input terminals (front, rear, center); remote-settable 60/30-minute sleep timer; speaker A/B rear/center selector. 16 $\frac{1}{2}$  x 6 $\frac{1}{2}$  x 16 $\frac{1}{2}$  in; 30.25 lb. \$1,050

### VSX-5700S 260-W A/V Receiver

105 W/ch at 8 ohms from 20-20,000 Hz with <0.008% THD (front), 25 W/ch at 8 ohms, 1,000 Hz with 0.08% THD (center and rear). Features Dolby Pro Logic surround with digital delay (15/20/30- $\mu$ sec switchable) and auto input bal-

ance; stadium and simulated surround and Dolby 3-channel logic; sound-field memory. Programmable remote; 4 video inputs; 5 audio inputs; 2 monitor outputs; acoustic memory; 30 AM/FM presets; HITS (Hyper Intelligent Tuning System); motorized volume control; auto dimmer; preamp-output/power-input terminals (front, rear, center); remote-settable 60/30-minute sleep timer; speaker A/B rear selector. 16 $\frac{1}{2}$  x 5 x 15 $\frac{1}{2}$  in; 23.63 lb. . . . . \$710  
**VSX-5600.** Same as above, with multifunction A/V system remote control. . . . . \$650

### VSX-4700S 250-W A/V Receiver

105 W/ch at 8 ohms from 20-20,000 Hz with <0.008% THD (front), 20 W/ch at 8 ohms, 1,000 Hz with 0.08% THD (rear). Features Dolby Pro Logic surround with digital delay (15/20/30- $\mu$ sec switchable); stadium and simulated surround; sound-field memory. Programmable remote; multiroom control system with optional MR-100 adaptor; 3 video inputs; 4 audio inputs; custom memory tuning; 30 AM/FM presets; HITS (Hyper Intelligent Tuning System); remote-controlled motor-driven volume control; auto dimmer; preamp-output/power-input terminals for front; 60/30-minute sleep timer; speaker A/B rear selector. 16 $\frac{1}{2}$  x 5 x 15 $\frac{1}{2}$  in; 21 lb. . . . . \$620  
**VSX-4600.** Same as above, with 71-key multifunction A/V system remote control. . . . . \$570

### VSX-3700S 230-W A/V Receiver

100 W/ch at 8 ohms from 20-20,000 Hz with <0.05% Total harmonic distortion (front), 15 W/ch at 8 ohms, 1,000 Hz with 0.08% Total harmonic distortion (rear). Features Dolby Pro Logic surround with digital delay (15/20/30- $\mu$ sec switchable); stadium and simulated surround; 7-band graphic equalizer with LED. Programmable remote; multiroom control system with optional MR-100 adaptor; 2 video inputs; 3 audio inputs; custom memory tuning; 30 AM/FM presets; motorized volume control; auto dimmer; remote-settable 60/30-minute sleep timer. 16 $\frac{1}{2}$  x 4 $\frac{3}{4}$  x 13 $\frac{1}{4}$  in; 18.75 lb. . . . . \$490  
**VSX-3600.** Same as above, with multifunction A/V system remote control. . . . . \$440

### SX-2700 65-W/ch Receiver

Features 5-band graphic equalizer. Quartz PLL digital-synthesis tuning. 5 audio inputs; custom memory tuning; memory scan; remote control; 30 AM/FM presets; motor-driven volume control; 2 pairs of speaker outputs. 65-W/ch at 8 ohms from 20-20,000 Hz with <0.07% THD. 16 $\frac{1}{2}$  x 4 $\frac{3}{4}$  x 13 $\frac{1}{4}$  in; 15 lb. . . . . \$310

### SX-2600 65-W/ch Receiver

Features 5-band graphic equalizer. Quartz PLL digital-synthesis tuning. 5 audio inputs; custom memory tuning; memory scan; 30 AM/FM presets; 2 pairs of speaker outputs. 65-W/ch at 8 ohms from 20-20,000 Hz with < 0.07% THD. 16 $\frac{1}{2}$  x 4 $\frac{3}{4}$  x 13 $\frac{1}{4}$  in; 14 lb. . . . . \$260

### SX-1700 40-W/ch Receiver

Features 5-band graphic equalizer. Quartz PLL digital-synthesis tuning. 5 audio inputs; custom memory tuning; memory scan; 30 AM/FM presets; 2 pairs of speaker outputs. 40-W/ch at 8 ohms from 20-20,000 Hz with <0.07% THD. 16 $\frac{1}{2}$  x 4 $\frac{3}{4}$  x 13 $\frac{1}{4}$  in; 13 lb. . . . . \$220

## PROTON

### AV-646 60-W/ch A/V Receiver

Dynamic Power on Demand circuitry. Features Aphex Aural Exciter circuitry; remote control; 18 FM, 9 AM presets; PLL synthesis; Amp: 60 W/ch into 8 ohms; FR 20-20,000 Hz  $\pm 3$  dB; THD 0.02%. Tuner: 50-dB quieting sens 30; cap ratio 10; AM rejection 65 dB. 15.5 lb. . . . . \$900

# RECEIVERS

## AV-6410 100-W/ch A/V Receiver

Features Apex Aural Exciter circuitry; Schotz II Tuner; variable loudness control; moving-coil phono preamp. 18½ x 3¾ x 15½ in. . . \$900

**AV-646A.** As above, but with 60-W/ch and no Apex Aural Exciter moving-coil phono preamp. 18½ x 3¾ x 15½ in. . . . . \$700

## AV-643 35-W/ch A/V Receiver

Features Schotz II Tuner, 18 FM, 9 AM presets; motorized volume control. . . . . \$500

## D940 40-W/ch A/V Receiver

Dynamic Power on Demand (DPD) circuitry and Schotz NR. Features 4-gang FM front end; 2-gang AM front end; selectable phono section for MM and MC phono; speaker EQ; separate low-noise MC amp; subsonic filter. Inputs for MM, MC phono; phono 2; tape; aux; extra aux; CD; video sound source. Amp: 40 W/ch cont avg into 8 ohms; FR 20-20,000 Hz ±0.2 dB FM stereo; THD <0.02%; into 8 ohms; IHF IM 0.008%; alt-ch sel 55 dB; adj-ch sel 90 dB; 50-dB quieting sens 33.2 dB stereo; SN 70 dB stereo; THD stereo 0.2%; sep 45 dB at 1,000 Hz; cap ratio 1.5. 16½ x 4 x 10½ in; 20 lb . . . . . \$500

## AV-300 30-W/ch Receiver

Digitally synthesized stereo receiver. Features Schotz PLL detector; Dynamic Power on Demand boosts dynamic power to 120 W (8 ohms); inputs for MM phono, tape, aux, video sound source. 30 W/ch cont avg into 8 ohms; FR 20-20,000 Hz stereo; THD <0.02%; IHF IM 0.015%; FR 17-35,000 Hz ±1 dB. FM section; 50-dB quieting sens, stereo, 2.8 µV; S/N, A-wtd, stereo 70 dB; THD stereo 0.2%; sep 50 dB, 1,000 Hz; cap ratio 1.5. AM section: sens 300 µV/m. 16½ x 3¾ x 9½ in; 20 lb . . . . . \$330

## REALISTIC BY RADIO SHACK

### STA-785 50-W/ch Receiver

Quartz digital tuning; search up or down; soft-touch controls; 6 AM/6 FM presets; FM muting; 5-LED signal-strength meter; loudness control. Inputs for MM phono; tape; aux; CD player. 50 W/ch into 8 ohms. FM section: cap ratio 2 dB; FR 40-20,000; S/N 56 dB, AM rejection 45 dB; alt-ch sel 50 dB . . . . . \$200

## ROTEL

### RX855 50-W/ch A/V Receiver

AM/FM receiver with dual mono power supply. Features digital-synthesis tuning; direct signal paths; 8 AM/FM presets; inputs for MM and MC phono, CD, tuner, video, tape 1 and tape 2. Amp: 55 W/ch into 8 ohms; FR 20-20,000 Hz; THD <0.03%; SN 102 dB. Tuner: 50-dB quieting sens 37.2 dB stereo, 15.2 dB mono; cap ratio 1.0 dB . . . . . \$549

### RX850A 30-W/ch Receiver

AM/FM receiver with 16 station presets. Features protection circuitry; remote-mounted switches; hard-wired direct speaker terminals; direct signal paths; inputs for MM/MC phono, CD, tuner, aux, and tape. Amp: 30 W/ch into 8 ohms; FR 20-20,000 Hz ±3 dB; THD <0.3%; S/N 95 dB. Tuner: 50-dB quieting sens 37.2 dB stereo, 15.2 dB mono; cap ratio 1.0 dB. 17½ x 2¾ x 13 in; 26 lb . . . . . \$399

## SANSUI

### RZ-9500AV 100-W/ch A/V Receiver

AM/FM receiver with five amplifiers. Features Dolby Pro Logic; variable digital delay; motorized volume; electronic bass/treble; quartz-PLL digital-synthesis tuner. Three additional surround modes; four surround preset memories;

test-tone generator; source-direct switch; 4 audio/3 video inputs; rear and center preamp outputs; power-amp inputs; tape/video monitor outputs; 30 random AM/FM presets; cable FM connection; preset scan; manual tuning; 70-key learning remote. 100 W/ch min rms into 8 ohms from 20-20,000 Hz <0.02% THD; FR 10-70,000 Hz ±3 dB; S/N 73 dB (phono MM) and 85 dB (CD/video). Tuner: usable FM sens 00.2 dBf; 50-dB quieting sens 17.2 dB stereo; SN 70 dB stereo; cap ratio 1.5 dB; THD 0.2% mono and 0.3% stereo. Black finish. . . . . \$770

### RZ-7500AV 100-W/ch A/V Receiver

AM/FM receiver with four amplifiers. Features Dolby Surround processor with digital delay; motorized volume; electronic bass/treble; quartz-PLL digital synthesizer tuner. Source-direct switch; 30 AM/FM presets; preset scan; 48-key remote control. 100 W/ch min rms into 8 ohms from 20-20,000 Hz <0.02% THD; FR 10-70,000 Hz ±3 dB; S/N 73 dB (phono MM) and 85 dB (CD/video). Tuner: 50 dB quieting sens 38.2 dB stereo; SN 70 dB mono; cap ratio 1.5 dB; THD 0.3% stereo . . . . . \$580

### RZ-550AV 70-W/ch A/V Receiver

AM/FM receiver. Features motorized volume; quartz-PLL digital synthesis tuner. 3 audio/video inputs; processor in/out terminal; variable loudness; 30 random AM/FM presets; preset scan; manual tuning; 48-key full-function remote control. 70 W/ch min rms into 8 ohms from 20-20,000 Hz with no more than 0.05% THD; FR 10-70,000 Hz ±3 dB; S/N 73 dB (phono MM) and 90 dB (video, CD). Tuner: usable FM sens 11.2 dBf; 50-dB quieting sens 17.2 dB mono and 38.2 dB stereo; SN 76 dB mono and 70 dB stereo; capture ratio 1.5 dB; separation 40 dB; total harmonic distortion 0.2% mono and 0.3% stereo. Black finish. 16¾ x 4¾ x 13¼ in; 21 lb . . . . . \$430

### R-950AV 105-W/ch A/V Receiver

AM/FM receiver. Features five preset equalization curves; selectable monitor output (audio/video); motorized volume with LED; 30 presets. preset scan; manual tuning; 32-key remote. 105 W/ch min rms into 8 ohms from 20-20,000 Hz with no more than 0.1% THD. 16¾ x 4¾ x 11¼ in; 15.4 lb . . . . . \$420

### RZ-3500 50-W/ch Receiver

AM/FM receiver. Features 4 audio/1 video inputs; 2 tape-monitor outputs; motorized volume; 30 AM/FM presets; preset scan; manual tuning; 20-key remote. 50 W/ch min rms into 8 ohms from 20-20,000 Hz with no more than 0.09% THD; FR 10-70,000 Hz; S/N 73 dB (phono MM) and 90 dB (video/CD). Tuner: usable FM sens 13.2 dBf; 50-dB quieting sens 17.2 dBf (mono) and 40 dBf (stereo); S/N 76 dB (mono) and 70 dB (stereo); capture ratio 1.5 dB; separation 40 dB (1,000 Hz at 65 dBf); THD (1,000 Hz at 65 dBf) 0.3% (mono) and 0.5% (stereo). 16¾ x 4¾ x 13¼ in . . . . . \$350

### R-750AV 55-W/ch Receiver

AM/FM receiver. Features 5-band graphic equalizer; selectable monitor output; motorized volume with LED; 8 AM/16 FM presets; preset scan; manual tuning; 32-key remote. 55 W/ch min rms into 8 ohms from 20-20,000 Hz with no more than 0.5% THD . . . . . \$320

### R-550AV 35-W/ch Receiver

AM/FM receiver. Features selectable monitor output; motorized volume with LED; 16 FM/8 AM presets; preset scan; manual tuning; 32-key remote. 35 W/ch min rms into 8 ohms from 40-20,000 Hz with no more than 0.5 percent total harmonic distortion. 16¾ x 4¾ x 11¼ in; 12 lb . . . . . \$320

## SCOTT

### RS1250 100-W/ch Surround-Sound Receiver

AM/FM receiver. Features PLL-synthesis tuning; Dolby Surround Sound; 7-band graphic equalizer with spectrum analyzer. Includes 52-function remote control with 8 CD functions; 12 AM/FM presets; 4 equalizer memory presets; 30-minute sleep timer; dual 5-segment LED peak power meters; loudness switch; speaker A/B/A + B surround switch; headphone jack; equalizer defeat switch; inputs CD, VCR, phono, tape 1, tape 2. Amp: 100 W/ch rms into 8 ohms; FR 20-20,000 Hz <0.09% THD; SN, phono 60 dB, tape/CD/VCR 80 dB. Tuner: sens 1.9 µV/10.8 dBf; AM image rej 35 dB at 1.4 MHz; FM THD; stereo 1.0%, mono 0.5%; AM THD 2.0%. 17¾ x 5¾ x 14¾ in . . . . . \$500

### RS1000 100-W/ch Surround-Sound Receiver

AM/FM receiver. Features PLL-synthesis tuning; Dolby Surround Sound; 7-band graphic equalizer. Includes 30-function remote control; 12 AM/FM presets; 30-minute sleep timer; dual 50-segment LED peak power meters; loudness switch; headphone jack; speaker A/B/A + B surround switch; equalizer defeat switch; inputs CD, VCR, phono, tape 1, tape 2. Amp: 100 W/ch rms into 8 ohms; FR 20-20,000 Hz <0.09% THD; S/N, phono 60 dB, tape/CD/VCR 80 dB. Tuner: AM image rej 35 dB; FM THD: mono 0.5%, stereo 1.0%. 17¾ x 5½ x 11¾ in . . . . . \$350

### RS 550 55-W/ch Surround-Sound Receiver

AM/FM receiver. Features 7-band graphic equalizer; PLL-synthesis tuning; high filter switch. Includes 29-key remote control; LCD display for station frequency and preset number; 8 AM, 16 FM presets; auto scan or manual tuning; inputs CD/DAT, TV/VCR, phono, tape; loudness switch; speaker A/B switch; dual 5-segment LED power level meter; headphone jack. Amp section: 55 W/ch rms into 8 ohms; FR 20-20,000 Hz at 0.5% THD; S/N 85 dB. Tuner: FM sens 2 µV/11.2 dBf. 17¾ x 4¾ x 11¾ in . . . . . \$250

### RS500 50-W/ch Receiver

AM/FM receiver with remote control. Features 7-band graphic equalizer; electronic volume control; power meter; loudness control; high filter; 8 AM/FM presets. Inputs for MM phono, tape, CD/DAT, video sound source. Amp: 50 W/ch rms into 8 ohms . . . . . \$250

### RS 300 30-W/ch Surround-Sound Receiver

AM/FM receiver. Features PLL-synthesis tuning. Includes LCD display for station frequency and preset numbers; 8 AM/FM presets; auto scan/manual tuning; inputs CD/DAT, phono, tape; speaker A/B switch; sliding controls for bass, treble, balance, and volume; headphone jack. Amp: 30 W/ch rms into 8 ohms; FR 40-20,000 Hz at 0.9% THD; S/N 83 dB. Tuner: FM sens 2 µV/11.2 dBf. 17¾ x 3¾ x 11¾ in . . . . . \$150

### RS250 25-W/ch Receiver

AM/FM receiver with Quartz digital-synthesis tuning section; power-output meter; high filter; 8 AM/FM presets. Inputs for MM phono; tape; CD/DAT. Amp: 25 W/ch rms into 8 ohms. . . . \$150

## SHARP

### SA-R75AV 75-W/ch A/V Receiver

AM/FM PLL quartz-synthesis tuner. Multimode surround sound with digital time-delay circuit; bass-boosting circuit; 5-band graphic equalizer. Multifunction system remote control operates surround sound, bass booster, and CD player; motorized rotary volume control with LED indicator; 3 VCR inputs; auto scan tuning; 30 station presets; muting circuit. 75-W/ch into 8 ohms from 20-20,000 Hz with <0.05% THD . . . \$430

# RECEIVERS

## SA-R56AVBK 55-W/ch A/V Receiver

AM/FM PLL quartz-synthesis tuner. Bass-boosting circuit; 5-band graphic equalizer. 65-keys remote control; motorized rotary volume control with LED indicator; 2 VCR inputs; auto scan tuning; 30 station presets; muting circuit. 55-W/ch into 8 ohms from 20-20,000 Hz with <0.08% THD ..... \$390

## SA-R55AV 55-W/ch A/V Receiver

RCA video input and monitor output. Features 34-key remote control; 10 AM/20 FM presets; matrix surround sound; 5-band graphic EQ; LCD frequency display. 55 W/ch from 20-20,000 Hz; THD 0.08%. 17 x 4.94 x 11 in ..... \$380

## SHERWOOD

### RV-1340R 240-W A/V Receiver

4-ch A/V receiver with Dolby Surround. Features dual-gate MOSFET; quartz-locked computerized tuning. 5-band graphic EQ; 2 video inputs; video enhancer; direct switch; 30 station presets; preset scan; auto tuning; tape monitor; headphone jack. Includes multifunction wireless remote control. Amp: 100 W/ch into 8 ohms (front), 20 W/ch into 8 ohms (rear); FR 20-20,000 Hz; THD 0.04%; IM 0.04%; S/N 79 dBA (phono), 100 dBA (aux). Tuner: usable sens 11.2 dBf; 50 dB quieting sens 19.2 dBf (stereo), 14.8 dBf (mono); THD 0.15% (mono), 0.25% (stereo); 50 dB stereo sep at 1,000 Hz; alt-ch sel 70 dB. 5 x 17 1/2 x 15 in ..... \$499

### RA-1240R 70-W/ch A/V Receiver

A/V receiver with surround sound. Features dual-gate MOSFET; quartz-locked computerized tuning. 5-band graphic EQ; 30 preset stations; video-sound input; preset scan; auto tuning; tape monitor; headphone jack. Amp: 70 W/ch into 8 ohms; FR 20-20,000 Hz; THD <0.08%; IM 0.05%; S/N 75 dBA (phono), 95 dBA (aux). Tuner section: Usable sens 11.2 dBf; 50-dB quieting sens 19.2 dBf (mono), 39.2 dBf (stereo); THD 0.2% (mono), stereo sep at 1,000 Hz 45 dB; FR 10-15,000 Hz; cap ratio 2 dB; alt ch sel 60 dB. 5 x 17 1/2 x 15 in ..... \$329

### RA-1145R 50-W/ch A/V Receiver

A/V receiver with surround sound. Features dual-gate MOSFET front end; quartz-PLL-synthesis tuning system. Loudness control; 30 station presets; video sound input; motor-driven analog volume control; digital display. Includes multifunction Digi-Link remote system. Amp: 50 W/ch into 8 ohms; FR 20-20,000 Hz; THD 0.09%; S/N 75 dBA (phono), 95 dBA (aux); damping factor 60 dB; IM 0.07%. Tuner: FR 10-15,000 Hz; cap ratio 2 dB ..... \$269

### RA-1142 50-W/ch A/V Receiver

Features digital-synthesis tuner; 24 station presets; video inputs; headphone jack. Amp: THD 0.05%; FR 40-20,000 Hz; S/N 75 dB (MM). Tuner: usable sens 11.2 dBf; 50-dB quieting sens 19.2 dBf (mono), 39.2 dBf (stereo); cap ratio 2 dB; THD at 1,000 Hz 0.2% (mono), 0.4% (stereo); alt ch sel 60 dB; S/N 75 dB (mono), 68 (stereo); ch sep at 1,000 Hz 45 dB ..... \$199

### RA-1140 25-W/ch A/V Receiver

A/V receiver with surround sound. Features dual-gate MOSFET front end; quartz-locked computerized tuning. Digital readout; LED peak-power indicators; loudness control; 24 station presets; auto tuning; tape monitor; headphone jack. 25 W/ch into 8 ohms; FR 40-20,000 Hz; THD <0.05%; IM 0.3%; S/N 75 dBA (phono), 95 dBA (aux). Tuner: usable sens 11.2 dBf; 50-dB quieting sens 39.2 dBf (stereo); THD 0.2% (mono); stereo sep at 1,000 Hz 45 dB; Frequency response 10-15,000 Hz; cap ratio 2 dB; alt ch sel 60 dB ..... \$149

## SONY

### STR-D2020 130-W/ch A/V Receiver

AM/FM receiver with digital-signal processing and Dolby Pro-Logic. Features programmable remote control; digital inputs; dual-room link control; 3-band parametric graphic EQ; spectrum analyzer; station index; motorized volume; 3-video inputs; video edit; S-video capable; cursor control; index tuning; 30 station presets; auto-tuning; direct access. Amp: FR phono 5-20,000 Hz  $\pm 0.5$  dB, CD 5-20,000 Hz  $\pm 0.5$  dB; THD 0.008%; signal-to-noise ratio, phono 82 dB, CD 116 dB. Tuner: 50-dB quieting sens 38.3 dBf stereo; AM sens 50 dB. 17 x 5 7/8 x 14 1/2 in; 26.3 lb ..... \$1,100

### STR-AV1020 120-W/ch A/V Receiver

Dolby Pro Logic; programmable remote control; dual-room link control; 7-band electronic graphic EQ; spectrum analyzer; station index; motorized volume; 3-video inputs; video edit; cursor control; index tuning; 30-station presets; auto-tuning; direct access. Amp: FR phono 10-70,000 Hz  $\pm 0.5$  dB, CD 10-70,000 Hz  $\pm 1$  dB; THD 0.008%; S/N phono 79 dB, CD 85 dB. Tuner: 50-dB quieting sens 38.3 dBf stereo; AM sens 50 dB. 17 x 5 7/8 x 13 1/2 in; 23.6 lb ..... \$600

### STR-AV920 100-W/ch A/V Receiver

Features Dolby Surround; digital signal processing; remote control; dual-room link control; 7-band electronic graphic EQ; spectrum analyzer; station index; motorized volume; 2-video inputs; video edit; cursor control; index tuning; 30-station presets; auto-tuning; direct access. Amp: FR phono 10-70,000 Hz  $\pm 0.5$  dB, CD 10-70,000 Hz  $\pm 1$  dB; THD 0.03%; S/N phono 79 dB, CD 85 dB. Tuner: 50-dB quieting sens 38.3 dBf stereo; AM sens 50 dB. 17 x 5 7/8 x 13 1/2 in; 23.2 lb ..... \$480

### STR-AV720 80-W/ch A/V Receiver

Features Dolby Surround; remote control; spectrum analyzer; motorized volume; 2 video inputs; cursor control; index tuning; 30-station presets; auto-tuning; direct access. Amp: FR phono 10-70,000 Hz  $\pm 0.5$  dB, CD 10-70,000 Hz  $\pm 3$  dB; THD 0.08%; signal-to-noise ratio, phono 72 dB, CD 80 dB. Tuner: 50-dB quieting sens 38.3 dBf stereo; AM sens 50 dB. 17 x 5 7/8 x 13 1/2 in; 20.3 lb ..... \$350

### STR-AV320 50-W/ch A/V Receiver

Features remote control; motorized volume; 30-station presets; auto-tuning; direct access. Amp: FR phono 10-50,000 Hz  $\pm 0.5$  dB, CD 10-50,000 Hz  $\pm 3$  dB; THD 0.8%; S/N phono 72 dB, CD 80 dB. Tuner: 50-dB quieting sens 38.3 dBf stereo; AM sens 50 dB. 17 x 4 1/2 x 11 1/2 in ..... \$240

### Elite Series

#### STR-GX10ES 150-W/ch A/V Receiver

Programmable remote. Features 150 W/ch cont into 8 ohms, 20-20,000 Hz, with 0.007% THD; spontaneous twin-drive power supply design; copper-plated G-chassis design constructed with nonmetallic compound; separate power supplies for system control and audio circuit stages; audio/video switching capability (3 video sources); video and tape dubbing capability; S-video terminals; defeatable subsonic filter; 3-band, low noise, high-gain negative-feedback-type tone controls; source-direct switch; quartz frequency-synthesis tuning; wave-optimized digital stereo decoder; 20 station presets. Tuner: S/N 84 dB; THD 0.08%; sel 90 dB; sep (at 1,000 Hz) 60 dB ..... \$1,200

#### STR-GX9ES 130-W/ch A/V Receiver

Programmable remote control. Features 130 W/ch cont avg into 8 ohms, 20-20,000 Hz, with

0.008% THD; spontaneous twin-drive power supply design; G-chassis design constructed with nonmetallic compound; audio/video switching capability (3 video sources); video and tape dubbing capability; S-video terminals; defeatable subsonic filter; 3-band, low noise, high-gain negative-feedback type tone controls; source-direct switch; quartz frequency-synthesis tuning; 20 station presets. Tuner: S/N 84 dB; THD 0.08%; sel 90 dB ..... \$1,000

#### STR-GX7ESII 120-W/ch A/V Receiver

Programmable remote control. Features 120 W/ch continuous into 8 ohms, 20-20,000 Hz, with 0.008% THD; spontaneous twin-drive power supply design; G-chassis design constructed with nonmetallic compound; separate power transformers for system control and audio circuitry; audio/video switching capability (3 video sources); S-video terminals; low-noise, negative-feedback-type tone controls; source-direct switch; quartz frequency-synthesis tuning; 20 station presets. Tuner: signal-to-noise ratio 76 dB; THD 0.2%; sel 65 dB; sep (at 1,000 Hz) 50 dB ..... \$750

#### STR-GX6ESII 100-W/ch A/V Receiver

Programmable remote control. Features 100 W/ch cont into 8 ohms, 20-20,000 Hz with 0.03% THD; spontaneous twin-drive power supply design; separate power transformers for system control and audio circuitry; audio/video switching capability (2 video sources); low-noise, negative-feedback-type tone controls; source-direct switch; quartz frequency-synthesis tuning; 20 station presets. Tuner: S/N 76 dB; THD 0.2%; sel 65 dB; sep (at 1,000 Hz) 50 dB ..... \$600

#### STR-GX5ESII 80-W/ch A/V Receiver

Features 80 W/ch cont into 8 ohms, 20-20,000 Hz with 0.08% THD; spontaneous twin-drive power supply design; separate power transformers for system control and audio circuitry; A/V switching capability; source-direct switch; adaptor input/output; 30 station presets. Includes remote control. Tuner: S/N 74 dB; THD 0.5%; sel 60 dB; sep (at 1,000 Hz) 45 dB ..... \$500

#### STR-GX4ESII 50-W/ch A/V Receiver

Features 50 W/ch cont into 8 ohms, 20-20,000 Hz with 0.08% THD; spontaneous twin-drive power supply design; separate power transformers for system control and audio circuitry; high-current discrete output transistors; A/V switching capability; adaptor input/output; 30 station presets. Includes remote control. Tuner: S/N 74 dB; THD 0.5%; sel 60 dB ..... \$380

## TEAC

### AG-75 75-W/ch A/V Receiver

AM/FM receiver with quartz PLL-synthesis tuning. Features high-current discrete circuit. Matrix surround; rec selector; variable loudness control. CD direct; motorized volume; CD/VCR and tape/DAT input terminals; 16-station memory; auto tuning; stereo/mono switch; FI display. Includes 28-key wireless remote control. Amp: 75 W/ch rms into 8 ohms; FR 40-20,000 Hz; THD 0.05%; S/N 80 dB (phono), 92 dB (CD/aux, tuner, tape). FM section: usable sens 11.2 dBf (mono), AM rej 55 dB; cap ratio 2 dB; image rej 47 dB; THD at 1,000 Hz 0.2% (mono), 0.5% (stereo); stereo sep at 1,000 Hz 40 dB; S/N 78 dB (mono), 72 dB (stereo) ..... \$380

### AG-55 55-W/ch Receiver

AM/FM receiver with 7-band graphic equalizer. Features quartz-PLL-synthesis tuner. LED power meters; CD, aux and TV/VCR inputs; high-cut filter and bass-boost equalizer switch; dual speaker terminals; 8 AM/FM random access station memory; auto station search; LED

# RECEIVERS

frequency display. Amp: 55 W/ch min continuous rms into 8 ohms; FR 20-20,000 Hz; total harmonic distortion 0.5%; SN 70 dB (phono). Tuner: FM usable sens 11.2 dBf (mono); image rejection 45 dB; THD at 1,000 Hz 0.25% (mono), 0.5% (stereo); stereo sep 40 dB ..... \$300

## TECHNICS

### SA-GX700 100-W/ch A/V Receiver

AM/FM receiver with wireless remote. Features 3-band parametric EQ; constant Q filter; slope control; 6-preset EQ memories; 15-band spectrum analyzer; LCD readout remote control; quartz-synthesis digital tuning; digital-delay circuitry; 4 audio inputs; 2 VCR inputs. Amp: FR 7-70,000 Hz  $\pm$  3 dB CD-VCR1-VCR2-tape, 7-70,000 Hz  $\pm$  0.8 dB phono; THD 0.008%; SN 70 dB. Tuner: 50-dB quieting sens 40.2 dBf stereo; AM suppression 50 dB; cap ratio 1; alt-ch sel 65dB. 17 x 5 1/4 x 11 1/4 in; 22 lb ..... \$550

### SA-GX500 80-W/ch A/V Receiver

AM/FM receiver with 48-key A/V wireless remote. Features parametric EQ; spectrum analyzer; digitally encoded rotary tuning; internal cooling fan; 2 VCR inputs; 4 audio inputs. Amp: FR 7-70,000 Hz  $\pm$  3 dB CD-VCR1-VCR2-tape, 7-70,000 Hz  $\pm$  0.8 dB phono; THD 0.008%; SN 70 dB. Tuner: 50-dB quieting sens 40.2 dBf stereo; AM suppression 50 dB; cap ratio 1; alt-ch sel 65 dB. 17 x 5 1/4 x 11 1/4 in; 18.7 lb ..... \$380

### SA-GX300 60-W/ch A/V Receiver

AM/FM receiver with 36-key A/V wireless remote control. Features 7-band graphic EQ with LED controls; quartz-synthesis tuning; 24-channel preset memory; internal cooling fan; loudness contour switch; 4 audio inputs; 1 A/V input. Amp: FR 7-70,000 Hz  $\pm$  3 dB CD-VCR1-VCR2-tape, 7-70,000 Hz  $\pm$  0.8 dB phono; THD 0.05%; SN 70 dB. Tuner: 50-dB quieting sens 40.2 dBf stereo; AM suppression 50 dB; cap ratio 1; alt-ch sel 65 dB. 17 x 4 7/8 x 11 1/4 in; 15.6 lb ..... \$280

### SA-GX100 40-W/ch A/V Receiver

AM/FM receiver with 36-key A/V wireless remote. Features quartz-synthesis tuning; 2-color FL display; 24-station presets; 4 audio inputs; 1 A/V input. Amp: FR 10-70,000 Hz  $\pm$  3 dB CD-VCR1-VCR2-tape, 10-70,000 Hz  $\pm$  0.8 dB phono; THD 0.5%; SN 70 dB. Tuner: 50-dB quieting sens 40.2 dBf stereo; AM suppression 50 dB; cap ratio 1; alt-ch selectivity 65 dB. 17 x 4 7/8 x 11 1/4 in; 13 lb ..... \$230

## VECTOR RESEARCH

### VRX-9200R 120-W/ch Receiver

Features Dolby Surround; 8 discrete output transistors; quartz-synthesis tuning. 4 x 40 W pre-out/main-in jacks; video signal routing; A/V processing loop; video monitor output; dedicated CD input; 20 station presets; preset scan; mono/stereo switch; motorized rotary volume control; A/B RF antenna inputs; FM autoscans; 2 tape monitors with dubbing in either direction; 2 A/V monitors with dubbing; MC head amp; high and subsonic filters; surround level, front/rear balance controls; remote control. Amp: FR 10-50,000 Hz; THD 0.03%; IM 0.03%; damping factor 120. Tuner: 50-dB quieting 14.6 dBf mono, 35.5 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB. 17 x 5 1/2 x 15 1/2 in; 26 lb ..... \$850

### VRX-8200R 110-W/ch Receiver

Features surround sound; 8 discrete output transistors. Pre-out/main-in jacks; video signal routing; A/V processing loop; video monitor output; dedicated CD input; quartz-synthesis tuning; 20 station presets; preset scan; mono/stereo switch; A/B RF antenna inputs; FM autoscans; 2 tape monitors with bidirectional dubbing; MC

head amp; high and subsonic filters; parallel speaker switching; motorized rotary volume control; remote. Amp: FR 10-50,000 Hz; THD 0.03%; IM 0.03%; damping 120. Tuner: 50-dB quieting sens 14.6 dBf mono, 35.5 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB. 17 x 5 1/2 x 15 1/2 in; 24 lb ..... \$660

### VRX-6200R 65-W/ch A/V Receiver

Features surround sound; 8 discrete output transistors. Pre-out/main-in jacks; video signal routing; A/V processing loop; video monitor output; dedicated CD input; quartz-synthesis tuning; 16 station presets; mono/stereo switch; RF antenna inputs; FM autoscans; 2 tape monitors with dubbing; loudness contour; parallel speaker switching; motorized rotary volume control; remote control. Amp: FR 10-50,000 Hz; THD 0.05%; IM 0.05%; damping factor 120. Tuner: 50-dB quieting sens 14.6 dBf mono, 36.2 dBf stereo; cap ratio 1.2 dB; alt-ch sel 60 dB. 17 x 4 1/2 x 13 1/2 in; 20 lb ..... \$450

### VRX-5200R 50-W/ch A/V Receiver

Features surround sound; 8 discrete output transistors; quartz-synthesis tuning. 20 random AM/FM presets; dedicated CD inputs; A/V processing loop; 2 switched/unswitched outlets; separate FM mute and mono; video monitor out; rotary volume control with LED; pre-out main-in jack; video signal routing; 75-ohm connector; AM/FM autoscans. Amp: THD 0.07%; IM 0.07%; FR 10-50,000 Hz. Tuner: 50-dB quieting sens 15.6 dBf mono, 37.6 dBf stereo; cap ratio 1.3 dB; alt-ch sel 60 dB. 17 x 4 1/2 x 13 1/2 in; 17 lb ..... \$370

### VRX-3600R 40-W/ch A/V Receiver

Features surround sound; 8 discrete output transistors; quartz-synthesis tuning. 20 random AM/FM presets; dedicated CD inputs; A/V processing loop; 2 switched/unswitched outlets; separate FM mute and mono; video monitor out; rotary volume control with LED; pre-out main-in jack; video signal routing; 75-ohm connector; AM/FM autoscans. Amp: THD 0.08%; IM 0.08%; FR 10-50,000 Hz. Tuner: 50-dB quieting sens 15.6 dBf mono, 37.6 dBf stereo; alt-ch sel 58 dB. 17 x 4 1/2 x 13 1/2 in; 15 lb ..... \$320

### VRX-3550 55 W/ch Receiver

Features discrete output stage; midrange tone control; rear-panel input/output. Amp: damping factor 100; FR 10-50,000 Hz; IM 0.25; THD 0.25%. FM section: FR 50-15,000 Hz; THD 0.25%. 17 x 4 1/2 x 13 1/2 in, 13 lb ..... \$250

### VRX-2700 30-W/ch A/V Receiver

Features 8 discrete output transistors; quartz-synthesis tuning. 20 random AM/FM presets; dedicated CD inputs; A/V processing loop; 2 switched/unswitched outlets; separate FM mute and mono; video monitor out; rotary volume control with LED; pre-out main-in jack; video signal routing; 75-ohm connector; AM/FM autoscans. Amp section: THD 0.09%; IM 0.09%; Frequency response 10-50,000 Hz. Tuner section: 50-dB quieting 17.2 dBf mono, 38.7 dBf stereo; capture ratio 1.5 dB; alt ch sel 58 dB. 17 x 4 1/2 x 13 1/2 in; 13 lb ..... \$220

## YAMAHA

### RX-1130Ti 310-W Surround-Sound Receiver

4-ch AM/FM A/V receiver with 5-mode surround including Dolby, natural, hall, simulated stereo, live and continuously variable delay time (10 ms to 30 ms). Features computer servo-lock tuning system; 24-segment signal-strength meter; 8 audio, 3 video inputs; rear-level control; front/rear pre-main coupling terminals; banana-plug-compatible speaker terminals; center defeat bass, mid, and treble controls; 8-position rec out selector; 16-station random-access pre-

set tuning with multistatus memory; sleep timer; continuously variable loudness; motorized volume control with LED indicator. Includes learning multifunction remote control with RS integrated system compatibility. Front ch: 125 W/ch rms into 8 ohms; FR 20-20,000 Hz; total harmonic distortion 0.015%. Rear ch: 30 W/ch into 8 ohms at 1,000 Hz; total harmonic distortion 0.08%. Titanium finish; 37 lb ..... \$1,199

### RX-930Ti 220-W Surround-Sound Receiver

4-ch AM/FM receiver with 3-mode surround sound including Dolby, natural, and simulated surround. Features direct PLL IF count synthesizer tuning; 16-station random-access preset tuning with multistatus memory; 12-segment signal-strength meter; center defeat; bass and treble controls; rear-level control; 8-position rec out selector; front/rear pre-main coupling terminals; 8 audio, 3 video inputs; motorized volume control with LED indicator; sleep timer; continuously variable loudness. Includes learning multifunction remote control with RS integrated system compatibility. Amp section: Front channel: 85 watts per channel into 8 ohms; FR 20-20,000 Hz; THD < 0.15%. Rear ch: 25 W/ch into 8 ohms at 1,000 Hz; THD 0.08%. Titanium finish; 26 lb ..... \$849  
RX-930. As above, black ..... \$849

### RX-830Ti 170-W Surround-Sound Receiver

4-ch AM/FM receiver with 3-mode surround sound including Dolby, natural, and simulated surround. Features rear-level control; direct PLL IF count synthesizer tuning; 16-station random-access preset tuning with multistatus memory; 12-segment signal-strength meter; 6-position rec out selector; 6 audio, 2 video inputs; motorized volume control with LED indicator; sleep timer; center defeat; bass and treble controls; continuously variable loudness. Includes learning multifunction remote control with RS integrated system compatibility. Amp section: Front ch: 70 W/ch rms into 8 ohms; FR 20-20,000 Hz; THD < 0.015%. Rear ch: 15 W/ch into 8 ohms at 1,000 Hz; THD 0.1%. Titanium finish; 20 lb ..... \$599  
RX-830. As above, black ..... \$599

### RX-730Ti 70-W/ch A/V Receiver

AM/FM receiver with RS integrated system remote control. Features digital tuner; 16-station random access preset tuning; continuously variable loudness; 2 video source inputs; tone bypass; CD-direct switch; 12-segment signal-quality meter; high-gain AM loop antenna; 6-position rec-out selector; sleep timer; A+B speaker selector; LED indicator on motorized volume control; pre-main coupler. Amp section: 70 W/ch rms into 8 ohms; FR 20-20,000 Hz; THD < 0.02%. Titanium finish; 15.5 lb ..... \$499  
RX-730. As above, black ..... \$499

### RX-530 50-W/ch Receiver

AM/FM receiver with RS integrated system remote control. Features digital tuner; 16-station random-access preset tuning; continuously variable loudness; 6-position rec-out selector; sleep timer; A+B speaker selector; CD-direct switch; 12-segment signal-quality meter; high-gain AM loop antenna; bass-extension switch; tape-to-tape dubbing. Amp section: 50 W/ch rms into 8 ohms; FR 20-20,000 Hz; THD < 0.02%. Black; 13 lb ..... \$399

### RX-330 40-W/ch Receiver

Features digital tuner; 16-station random-access preset tuning; 5-segment signal-strength meter; high-gain AM loop antenna; A+B speaker selector; CD-direct switch; continuously variable loudness. Amp section: 40 W/ch rms into 8 ohms; FR 20-20,000 Hz; THD < 0.04%. Black finish; 13 lb ..... \$299



# Adcom announces the cure for the common receiver.



Today, there is no reason to compromise your favorite music by listening to a common receiver. Because the Adcom GTP-400 tuner/preamplifier with GFA-535 (60 watts per channel)\* amplifier gives you all the benefits of Adcom's legendary clear, dynamic sound for a price close to that of an ordinary receiver.

## Why Separates?

The limited space in receivers prevents the use of heavy duty, high-current, high-voltage power supplies found in the best separate components. Consequently, the performance of receivers is compromised for their questionable advantage of all-in-one convenience.

By dividing the tuner/preamplifier from the power amplifier, Adcom isolates low-current, low-voltage circuits from high-current, high-voltage elements ensuring sonic purity and demonstrably superior performance.

## More Sound—Less Money

Many of Adcom's components have been favorably compared to other components costing two and three times more. The GTP-400 with GFA-535 is a combination that promises to keep faith with this tradition of offering superb performance at a reasonable cost.

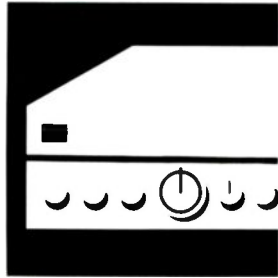
The price of these Adcom separates is close to that of an ordinary receiver. But no receiver will deliver the wide dynamic range and musical satisfaction of an Adcom system.

Ask your Adcom dealer for a demonstration of these affordable separates. You'll never listen to a common receiver again.

*\*Power output, watts/channel, continuous both channels driven into 8 ohms, 20 Hz - 20 kHz < 0.09% THD.*

**ADCOM**<sup>®</sup>  
details you can hear

# INTEGRATED • AMPLIFIERS



## ACCUPHASE BY MADRIGAL

### E-305 130-W/ch Integrated Amplifier

Features 3 parallel push-pull output stages employing MOSFET devices; direct-coupled DC servo design; separate power supply and voltage regulators for preamp and power amp; phono stage for all MC and MM cartridges; logic relay control for signal path, 8 unbalanced inputs; balanced CD and line inputs; tone control; peak-output meter; subsonic filter. FR 20-20,000 Hz  $\pm 0$ ,  $-0.2$  dB; THD 0.02%; S/N 123 dBA; IM 0.01%; damping factor 100. 18 $\frac{1}{4}$  x 6 $\frac{1}{4}$  x 14 $\frac{1}{4}$  in; 45.1 lb. .... \$4,700

### E-302 120-W/ch Integrated Amplifier

3-position loudness-compensation and power meters. Features inputs for MM phono; MC phono; tape; tape 2; phono 2; CD player; 3 line inputs. signal-to-noise ratio 120 dB; MM phono sensitivity 0.22 mV for 0.5-V output at 1,000 Hz; sensitivity for line-level inputs 7.1 mV; 120 watts/ch into 8 ohms; 180 watts/ch into 4 ohms. 17 $\frac{1}{2}$  x 5 $\frac{1}{4}$  x 14 $\frac{1}{4}$  in; 35.75 lb. .... \$3,200

## ACOUSTIC RESEARCH

### AR A-07 75-W/ch Integrated Amplifier

Can switch video and corresponding audio signals; 110 watts per channel into 4 ohms; can supply up to 25 amps; twin power supplies; switchable sidechain feedback tone controls; filters and provision for MM and MC cartridges. Frequency response 15-20,000 Hz; total harmonic distortion 0.03%. .... \$500

### AR A-05 50-W/ch Integrated Amplifier

50-W/ch integrated amp; side-chain feedback tone control introduces minimal sound degradation; 75 W/ch into 4 ohms; can supply up to 15 amps. Frequency response 15-20,000 Hz; Total harmonic distortion 0.03%. .... \$400

### AR A-03 30-W/ch Integrated Amplifier

30-W/ch integrated amp; no tone controls; 40-W/ch into 4 ohms; can supply up to 12 amps to speakers. Frequency response 15-20,000 Hz; Total harmonic distortion 0.005%. .... \$300

## ARCAM

### Delta 90 70-W/ch Integrated Amplifier

Features toroidal power transformer. Aluminum casing; MM/MC, CD, tuner, 2 tape-rec inputs; independent listen and rec controls; mono switch; headphone input. 70 W/ch into 8 ohms; THD 0.02% at 1,000 Hz. 17 x 3 $\frac{1}{2}$  x 11 $\frac{1}{2}$  in; 18 lb. Black .... \$750

### Delta 60 50-W/ch Integrated Amplifier

Features 200-VA toroidal power transformer and separately regulated MC pre-preamplifier. MM, CD, tuner, and 2 tape-rec inputs; tape monitoring; mono switch; twin speaker outputs; headphone input. 50 W/ch into 8 ohms; FR 20-20,000 Hz; THD 0.02% at 1,000 Hz. 17 x 3 $\frac{1}{2}$  x 11 $\frac{1}{2}$  in; 15 lb. Black .... \$600

### Alpha2 30-W/ch Integrated Amplifier

Features toroidal power transformer. Aluminum chassis; CD, MM/MC, tuner, and tape-rec inputs; full monitoring; headphone input. 30 W/ch into 8 ohms; FR 20-20,000 Hz; THD 0.02% at 1,000 Hz. 17 x 3 $\frac{1}{2}$  x 9 in; 10 lb. Charcoal. .... \$350

## ARISTON ACOUSTICS BY EUROSOUND

### Ariston Integrated Amplifier

Class AB bipolar integrated amp. Features remote control; headphone jack; moving magnet input. 31.4 watts per channel into 8 ohms; power bandwidth 9-30,000 Hz. 12 $\frac{1}{4}$  x 4 x 9 $\frac{1}{4}$  in. Satin-black finish .... \$499

## AUDIO BY VAN ALSTINE

### Omega 150 75-W/ch Integrated Amplifier

Includes Van Alstine Omega hybrid preamplifier circuitry. Features 240E full-complementary power MOSFET amp circuits driven from high-current toroidal power transformer; 2-stage power supply with isolated, regulated preamp sections. Volume, balance controls; phono, CD, and tuner inputs; dual tape-to-tape monitoring and dubbing capability; drives two pairs of speakers simultaneously or separately; headphone jack. 75 W/ch into 8 ohms; THD < 0.01%. 13 $\frac{1}{2}$  x 4 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in; 15 lb. .... \$795

## AUDIO DESIGN ASSOCIATES

### MRA-808 40-W/ch Integrated Amplifier

Contains 8 integrated amplifier modules; for use with System 8000 switching box. Each module has digitally controlled volume, bass, and treble. 40 W/ch cont from 20-20,000 Hz into 8 ohms with no more than 0.03% THD; 60 W/ch into 4 ohms; slew rate 10 V/ $\mu$ sec; imp 0.02%. 19 x 12 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in; 50 lb. .... \$8,295

### CR-8A 25-W/ch Integrated Amplifier

Compact amplifier capable of handling 2-ohm loads; for use with System Omega switching box. Features toroidal power transformer; fan-cooled, LED volume, bass, and treble indicators; stereo processors loop; line-level stereo output; rear-access balance set; switched AC outlet; rear-panel power fuse; front-panel gain control. 25 W/ch continuous average from 20-20,000 Hz < 0.02% total harmonic distortion into 8 ohms; 40 watts per channel into 4 ohms; signal-to-noise ratio 104 dB .... \$1,750

### CR-A 25-W/ch Integrated Amplifier

Compact amplifier capable of handling 2-ohm loads; for use with System Omega switching box. Features toroidal power transformer; fan-cooled. Stereo processor loop; line-level stereo output; rear-access balance set; switched AC outlet; rear-panel power fuse; front-panel gain control. 25 W/ch cont avg from 20-20,000 Hz with no more than 0.02% THD into 8 ohms; 40 W/ch into 4 ohms S/N 104 dB; imp 0.04%. 19 x 3 $\frac{1}{2}$  x 11; 13 lb. .... \$1,750

## AUDIOLAB BY ARTECH

### Model 8000A 50-W/ch Integrated Amplifier

Features linear output; electronic muting system to detect short circuits or severe overload; low-loss capacitors; epoxy-glass printed circuit board; custom heat sink. Inputs MM, MC, tape 1, tape 2, tuner, CD; separate listening and recording inputs; tone switch to get reference-flat response; switch to operate amplifier/preamplifier separately. FR 20-20,000 Hz  $\pm 0.5$  dB; S/N; phono MM 76 dB, phono MC 74 dB, tuner/CD/tape 78 dB, amplifier 90 dB; THD 0.05%; 50 W/ch into 8 ohms. .... \$695

## BELLES

### Soloist 100-W/ch Integrated Amplifier

Features 5 stereo inputs; 2 stereo tape out; double tape loop; gold-contact relay switching. Phono interface optional. FR 0.1-60,000 Hz. 19 x 4 x 17 in, 33 lb. .... \$1,995

## CAMBRIDGE AUDIO

### P70 60-W/ch Integrated Amplifier

Features toroidal transformers with tuned reservoir capacitors. Passive tone controls with bypass circuit; discrete headphone amplifier. Five inputs: phono (for both moving-magnet and moving-coil cartridges), CD, tuner, aux, and separate tape-monitor circuit; gold-plated phono sockets; 4-mm banana-plug/binding post speaker terminals. THD < 0.01% at 50% rated power; S/N 80 dB (MM), 68 dB (MC), 100 dB (line); sens 4.3 mV (MM), 0.5 mV (MC), 300 mV (line) .... \$735  
P50. Same as the above, 50-W/ch .... \$635

## CREEK AUDIO BY MUSIC HALL

### Model 6060 60-W/ch Integrated Amplifier

Inputs for MM and MC phono, video, CD, tuner, 2 tape-to-tape in and outs. Features preamplifier out/preamplifier in; tape monitor; tape-to-tape dubbing; active/passive tone controls, 4 speaker switching (A, A/B, B). Amp bridgeable to mono unit to provide 2 mono amps, 200-W mono. .... \$995

### Model 4040/S2 40-W/ch Integrated Amplifier

Inputs for MM phono, CD, tuner, tape in and out. 40 W/ch into 8 ohms .... \$450  
Model 4140/S2. Similar to above but with 45-65 watts per channel; MC switch; increased sensitivity and gain .... \$550

## DENON

### AVC-3000 5-Channel Integrated Amplifier

Features Dolby Pro Logic circuitry with digital delay. 5 channels for stereo front, mono center, and stereo rear; surround effects include 4 Dolby modes for video, 6 modes for audio or video sources including hall, stadium, live. Variable delay from 5 to 40  $\mu$ sec in 5- $\mu$ sec

# INTEGRATED • AMPLIFIERS

steps. Center amp has two sets of output terminals; on-screen display and LCD front-panel; 3-position detail and sharpness controls; 4 S-video inputs; 3 S-video outputs; 8 video inputs; 4 video outputs; 14 audio inputs; 9 audio outputs; wide-band composite-video output; programmable 62-key learning remote control; system keys operate Denon integral system components. 80 W/ch front, 35 W center, 35 W/ch rear ..... \$1,000

**PMA-1520 130-W/ch Digital Integrated Amp**  
Class A integrated amplifier with push-pull 4 D/A converters and 4x-oversampling digital filter. Features pure current supply, 7 sets of audio inputs; CD-direct switch. 130 W/ch into 8 ohms; FR 20-20,000 Hz; THD 0.005%; S/N AUX 107 dB, MM 95 dB, MC 77 dB. 17 $\frac{1}{8}$  x 6 $\frac{3}{8}$  x 15 $\frac{1}{2}$  in; 28.7 lb. .... \$1,000

**AVC-1000 210-W/ch 6-Channel Integrated Amp**  
Features Dolby Pro Logic circuitry with digital delay. 6 channels for stereo front, two center, and stereo rear; bridging capability; surround effects include 4 Dolby modes for video, 3 modes for audio or video sources, including hall, simulated, live; cinema switch compensates for theater sound mixes; including bass boost; variable delay from 5 to 40  $\mu$ sec in 5- $\mu$ sec steps. On-screen display and LCD front-panel; 4 S-video inputs; 3 S-video outputs; 5 video inputs; 3 video outputs; 10 audio inputs; 8 audio outputs; mono subwoofer output; two-mode rec-out selector combines video and audio sources to dub special sound tracks; programmable 62-key remote control; system keys operate Denon integral system components. 6-channel mode: 55 W/ch front, 25 W center, 25 W/ch rear; 4-channel mode: 55 W/ch front, 55 W/ch rear ..... \$700

**AVC-700 146-W A/V Surround Amplifier**  
Features Dolby Pro Logic circuitry with digital delay. 4 channels for stereo front and stereo rear; surround effects include 4 Dolby modes for video, 3 modes for audio or video sources, including hall, simulated, live; cinema switch compensates for theater sound mixes; bass boost; variable delay from 5 to 40  $\mu$ sec in 5- $\mu$ sec steps. Preamp outputs for front, rear, and center channels; on-screen display; 2 S-video inputs; 2 S-video outputs; 5 video inputs; 3 video outputs; 9 audio inputs; 8 audio outputs; 36-key remote control. 55 W/ch front, 18 W/ch rear ..... \$600

**PMA-1060 105-W/ch Integrated Amplifier**  
Class A circuitry with separate control of bias operating point in two channels. Preamplifier output; separate input and record-output selectors. FR 1-250,000 Hz; THD 0.004%; S/N (line) 110 dB; (MM) 94 dB, (MC) 75 dB. .... \$600  
**PMA-860.** Similar to above, 80 W/ch into 8 ohms; FR 4-150,000 Hz; S/N (line) 110 dB, (MM) 94 dB, (MC) 75 dB; THD 0.007% at -3 dB. \$400  
**PMA-560.** Similar to above, 70 W/ch into 8 ohms; FR 4-150,000 Hz; S/N (line) 110 dB, (MM) 94 dB, (MC) 75 dB ..... \$330

## DUAL

**PA5060 60-W/ch Integrated Amplifier**  
60-W/ch high-current output capability and MC phono input. Black ..... \$259

**PA5030 30-W/ch Integrated Amplifier**  
30 W/ch high-current output capability and MC phono input. Black ..... \$199

## GRUNDIG

**A-9000 120-W/ch Integrated Amplifier**  
Features protection circuits for output stage and speaker overload. Rotary controls for bal-

ance, bass and treble; switchable tone defeat, mono, subsonic filter, loudness; connections for 2 speaker pairs; dubbing from tape 1 to tape 2; headphone jack; allows listening to one signal source while recording another. 120 W/ch rms into 8 ohms; S/N, CD 104 dB (IEC); FR 2-100,000 Hz; input sens, CD 150 mV at 48,000 ohms; attenuation ratio 150 ..... \$1,199

**A-903 100-W/ch Integrated Amplifier**  
Features low-resistance wiring to speaker terminals; low-capacitance phono input; protection circuits for speaker; output stage protection circuit. Balance, treble, bass, and pre-level control for phono; dubbing capability from tape 1 to tape 2; accommodates two speaker pairs; 6-stage volume control. 100 W/ch rms into 8 ohms; FR, CD 3-55,000 Hz; S/N, CD 102 dB (IEC); input sens; 180 mV at 230 kilohms; attenuation ratio >100 ..... \$699

## HARMAN KARDON

*All integrated amps feature discrete components in signal path, MM/MC phono inputs, and selectable power-supply voltage unless otherwise noted.*

**HK6900 170-W/ch Integrated Amplifier**  
Features electronic front-panel switches that control analog switches at rear inputs to create short signal paths; phase-correct loudness. A/V switching; 2-way tape copy; 2 VCR/tape monitors; rec-out selector; tone defeat, subsonic filters; preamp-out jacks. 170 W/ch from 20-20,000 Hz into 4/8 ohms with <0.08% THD; S/N 98/80 dB (CD/phono); slew rate 280 V/ $\mu$ sec; damping factor 70; negative feedback 12 dB; high-current capability  $\pm$  90 amps ..... \$1,299  
**HK6800.** Same as above, except 120 W/ch. High-current capability  $\pm$  70 amps ..... \$949

**HK6600 90-W/ch Integrated Amplifier**  
Features phase-correct loudness. 2-way tape copy; rec-out selector; tone defeat; mono switch; subsonic and high-cut filters; preamp-out/main-in jacks. 90 W/ch from 20-20,000 Hz into 4/8 ohms with <0.08% THD; S/N 98/80 dB (CD/phono); slew rate 180 V/ $\mu$ sec; damping factor 65; negative feedback 12 dB; high-current capability  $\pm$  50 amps ..... \$699

**HK6500 70-W/ch Integrated Amplifier**  
Features phase-correct loudness. Mono switch; 2 tape monitors; external processing loop; subsonic filter. 70 W/ch from 20-20,000 Hz into 8 ohms with <0.09% THD; S/N 98/80 dB (CD/phono); slew rate 90 V/ $\mu$ sec; damping factor 65; negative feedback 20 dB; high-current capability  $\pm$  40 amps ..... \$549

**HK6200 45-W/ch Integrated Amplifier**  
Features active/passive phono section without MM/MC inputs; loudness-contour switch; 2 tape monitors. 45W/ch from 20-20,000 Hz into 8 ohms with <0.09% THD; S/N 98/80 dB (CD/phono); slew rate 90 V/ $\mu$ sec; damping factor 60; negative feedback 20 dB; high-current capability  $\pm$  30 amps ..... \$349  
**HK6100.** As above, 30-W/ch from 20-20,000 Hz into 8 ohms with <0.09% total harmonic distortion; S/N 98/78 dB (CD/phono); high-current capability  $\pm$  22 amps. Power-supply voltage not selectable ..... \$249

## HITACHI

**HA-V5EX 50-W/ch Integrated A/V Amplifier**  
Features Dolby Pro Logic surround; 4-channel amplifier; 6 surround modes; 6 A/V, 3 audio inputs. 50 W/ch into 6 ohms; frequency response 20-20,000 Hz total harmonic distortion < 0.05% ..... \$799

## JVC

**AXZ1010TN 100-W/ch Digital Integrated Amp**  
Class A operation. Features 18-bit D/A converter with 8x-oversampling digital filter and K2 interface; separate layout for digital and analog circuits; 3 digital connections: 1 optical, 1 coaxial, 1 input/output for DAT; high-gain phono EQ for MM/MC cartridges; bass-response control; remote. 100 W/ch into 8 ohms from 20-20,000 Hz with <0.004% THD ..... \$1,200

**AXZ911BK 100-W/ch Digital Integrated Amp**  
Class-A operation. Features D/A converter with 4x-oversampling filter; separate layout for digital and analog circuits; 3 digital connections: 1 optical, 1 coaxial, 1 input/output for DAT; high-gain phono EQ for MM/MC cartridges; bass-response control; remote. 100 W/ch into 8 ohms from 20-20,000 Hz with <0.003% THD ..... \$1,100

## KENWOOD

**KA-V6000 80-W/ch 5-Channel Integrated Amp**  
80 W/ch front, 70-W/ch center, 18-W/ch rear, and three surround-sound modes: Dolby Surround, theater, and hall modes. Features digital input; programmable remote; 6 audio and 6 video inputs; S-VHS inputs and outputs; on-screen display capability. 80-W/ch min rms into 8 ohms; FR 5-100,000 Hz; THD 0.08%; S/N 100 dB; IM 0.08%. 17 $\frac{1}{4}$  x 6 $\frac{1}{2}$  x 16 $\frac{1}{2}$  in ..... \$999

### Spectrum Series

**KA-129 125-W/ch Integrated Amplifier/EQ**  
Features 7-band graphic EQ with 5 presets. Full circuit protection; EQ recording capability. Digital input; 5 audio, 2 video-sound inputs; headphone jack; remote control. 125 W/ch min rms into 8 ohms; FR 20-20,000 Hz; THD 0.05%. \$399

**KA-99 100-W/ch Integrated Amplifier/EQ**  
Features 7-band graphic EQ. 7-point LED power meters; 2 video-sound inputs. 100 W/ch min rms into 8 ohms; FR 20-20,000 Hz; THD 0.09% ..... \$299

## LINN

**Intek 50-W/ch Integrated Amplifier**  
MM and MC phono inputs. Features separate play/record paths; switched/unswitched speaker outputs; power-amp-driven headphone output. 50 W/ch into 8 ohms ..... \$995

## LUXMAN

**LV-117 110-W/ch Digital Integrated Amp**  
Features dual 16-bit D/A converters and 4x-oversampling filter. Low-impedance drive capability; 3 differential FET input and predriver stages per channel; star circuit topology to reduce noise and distortion. Line-straight switch for all source inputs; video switching; signal processor/pre-out jacks; optical and coaxial digital inputs. 110-W/ch cont avg from 20-20,000 Hz into 8 ohms; dynamic output 300-W/ch into 2 ohms, 250-W/ch into 4 ohms; 160-W/ch into 8 ohms; THD 0.05%; S/N 97 dB (line-straight); IM 0.02%; slew rate 12 V/ $\mu$ sec; damping factor 50 (50 Hz, 8 ohms) ..... \$1,200  
**LV-113.** Similar to LV-117 except 65-W/ch; no MC phono inputs. Dynamic output 190-W/ch into 2 ohms, 150-W/ch into 4 ohms; 90-W/ch into 8 ohms; S/N 84 dB (phono), 96 dB (other analog inputs) slew rate 20 V/ $\mu$ sec; damping factor 30 (50 Hz, 8 ohms) ..... \$750

**LV-105U 80-W/ch Integrated Hybrid Amp**  
Combines J-FET's, twin-triode vacuum tubes, and high-current MOSFET output devices. Features Duo-Beta dual feedback-loop amp circuit-

# INTEGRATED • AMPLIFIERS

ry to widen bandwidth and improve transient response; star circuit topology to reduce noise and distortion; pre-heat mode. CD-straight button; optical and coaxial digital outputs; tape and video dubbing; rec-out selector; MM/MC phono inputs; signal-processor jacks. 80-W/ch cont avg from 20-20,000 Hz into 8 ohms; THD 0.25%; dynamic power 170-W/ch into 2 ohms, 140-W/ch into 4 ohms; S/N 90 dB (MM), 70 dB (MC), 96 dB (CD/tuner/tape/video); IM 0.03%. 17¼ x 5¼ x 13¾ in; 25 lb ..... \$1,000

## LV-112 55-W/ch Integrated Amplifier

Discrete driver/power-amp stages and bipolar output devices. Features low-impedance drive capability; Duo-Beta dual feedback-loop to widen bandwidth and improve transient response; star circuit topology to reduce noise and distortion. Line-straight, subsonic filter switches; 6 inputs including front-panel aux-input; DAT/tape select/dubbing, DAT/tape monitor, loudness compensation buttons. 55-W/ch cont avg from 20-20,000 Hz into 8 ohms; dynamic output 150-W/ch into 2 ohms, 120-W/ch into 4 ohms; 80-W/ch into 8 ohms; THD 0.05%; S/N 84 dB (MM phono), 95 dB (other analog inputs); IM 0.02%; slew rate 20 V/µsec; damping factor 30 (50 Hz, 8 ohms) ..... \$550  
**LV-111.** Similar to LV-112 except 40-W/ch; 4 inputs. S/N 82 dB (phono); slew rate 15 V/µsec; damping factor 25 (50 Hz, 8 ohms) ..... \$350

## MADISON FIELDING

### CA 300 Dual 40-W/ch Integrated Amplifier

Features dual 3-band 24-step digital EQ; 4-tone memory; two electronic volume controls; remote control. FR 20-20,000 Hz; THD 0.015; 40 W/ch amplifier; imp 4 ohm min. 19 x 3½ x 14¼ in ..... \$1,700

### CA 700 60-W/ch Integrated Amplifier

Features 7-band 24-step digital EQ; 4-tone memory; electronic volume control; remote control. FR 20-20,000 Hz; THD 0.01; 60 W/ch MOSFET amplifier; imp 4 ohm min. 19 x 3½ x 14¼ in ..... \$1,500

## MARANTZ

### PM-94G 140-W/ch Integrated Amplifier

Features Quarter-A design; AVSS (Automatic Voltage Supply Shift); matched complementary MOSFET output devices in triple push-pull circuit; CD/phono direct switch; tone-defeat switch; toroidal power transformer; subsonic filter, muting, speakers on/off; THD 0.01%; rose-gold with rosewood side panels ..... \$2,000  
**PM-94BL.** As above with black finish .. \$2,000

### PM-84G 105-W/ch Integrated Amplifier

Features Quarter-A design; AVSS (Automatic Voltage Supply Shift); matched complementary MOSFET output devices; CD/phono direct switch; tone-defeat switch; separate monitor/dubbing selectors for 2 tape decks plus VCR; built-in MC step-up transformer; switches for mono mode, subsonic filter, muting, speakers on/off; THD 0.015%; rosewood side panels ..... \$1,100

### PM-74DBL 105-W/ch Integrated Amplifier

Features Quarter-A design; AVSS (Automatic Voltage Supply Shift); CD/phono direct switch; tone-defeat switch; separate monitor/dubbing selectors for 2 tape decks; tone defeat; switches for mono mode, subsonic filter, muting, speakers on/off; IM 0.03%; THD 0.03% ..... \$750

### PM-65AVBL 65-W/ch Integrated Amplifier

Features CD/phono direct switch; 3 monitor loops; 4-position record out; video switching; 20-20,000 Hz bandwidth; total harmonic distortion 0.03%; intermodulation distortion 0.03%. 16¼ x 5¼ x 14¾ in; 22 lb ..... \$520

**PM-25BL 30-W/ch Integrated Amplifier**  
 Features CD/phono direct switch; independent heat sinks; 20-20,000 Hz bandwidth; THD 0.1%; IM 0.03%. 16½ x 4¼ x 12 in; 11.7 lb ..... \$350

## MCINTOSH

**MA-6200 75-W/ch Integrated Amplifier.** Features 100 W/ch into 4 ohms. 42 lb ..... \$1,899

## MISSION

### Cyrus II 60-W/ch Integrated Amplifier

Features high peak-current delivery; nonmagnetic, polypropylene and polystyrene capacitors; separate listen and record selectors; inputs for CD, tuner, hi-fi, video, tape, and MM and MC phono cartridges; headphone jack. 60 W/ch; FR 20-20,000 Hz; THD 0.003% at 1,000 Hz into 8 ohms; S/N 83 dB; slew rate 10 V/µsec; damping factor 100. Matte black or nextel gray finish ..... \$799

**Cyrus PSX.** Optional power supply for Cyrus II. Features custom toroidal transformer; 4 x 15,000 µF Cyrus Slit-foil capacitors. Matte black or nextel gray finish ..... \$699

### Cyrus I 30-W/ch Integrated Amplifier

Features magnesium-die-cast chassis and heat sink; aluminum-diecast front and cover; metal-film resistors and capacitors; separate record-out control for all inputs; inputs for CD, tuner, hi-fi video, tape, and both MM and MC phono cartridges; fine-adjust balance control for all inputs. 30 W/ch; FR 20-20,000 Hz; THD 0.003% at 1,000 Hz into 8 ohms; slew rate 10 V/µsec; damping factor 100. Matte black or nextel gray finish ..... \$549

## NAD

### Model 3400 Monitor 100-W/ch Integrated Amp

Bridgeable stereo amplifier with power-envelope circuitry and soft-clipping circuitry. Normal/lab inputs; preamp out/main in; semiparametric tone controls; bass EQ. Remote control. 100 W/ch rms; +5.7 dB dynamic headroom. Rack mountable ..... \$799

### Model 3240PE 40-W/ch Integrated Amplifier

Features power-envelope and soft-clipping circuitry; high current. Bass EQ; speaker impedance selector. 40 W/ch rms; +6 dB dynamic headroom ..... \$399

### Model 3225PE 25-W/ch Integrated Amplifier

Features power-envelope circuitry; soft-clipping circuitry; discrete 4 transistor phono preamp. Preamp out/main amp in. 25 W/ch rms; +4 dB dynamic headroom ..... \$249

## NAIM

### NAIT 2 18-W/ch Integrated Amplifier

Features four switch-selectable inputs; one for MM phono; three for tuner, tape, auxiliary; tape monitor/mute function; amplifier section bypassable. Input sens phono 2.5 mV at 47 kilohms; tuner, auxiliary 75 mV at 47 kilohms; tape output level and imp 75 mV at 1 kilohm, source. 10¼ x 3 x 8 in ..... \$825

## ONIX AUDIO BY MUSIC HALL

### OA21 50-W/ch Integrated Amplifier

Inputs for MM or MC phono, tape, CD player, tuner. Features 300-VA toroidal input transformer; 20,000 µfarad capacitors; MM or MC board. 50 W/ch into 8 ohms; slew rate 150 V/µsec; FR 15-40,000 ± 3 dB ..... \$750

### OA20 35-W/ch Integrated Amplifier

Inputs for MM, CD player, tuner, and tape \$399

## ONKYO

### A-RV400 100-W/ch Integrated A/V Amplifier

Discrete output circuitry and switching power supply. Selective Tone Control with 50-Hz boost; 3 video inputs; source-direct mode to bypass preamp section; simulated-stereo switch for video soundtracks; FL panel display. 100 W/ch min rms into 8 ohms; FR 20-20,000 Hz; THD 0.08%; S/N 102 dB (CD); IM 0.08%; damping factor 40; dynamic power 190-W/ch into 4 ohms ..... \$400  
**A-RV400M.** Same as above except RC-AV20M programmable remote control replaces audio-only controller ..... \$450

### A-8200 60-W/ch Integrated Amplifier

Discrete outputs and switching power supply. Source-direct mode to bypass preamp section; Selective Tone Control control with 50-Hz boost; 7 inputs including MM/MC; remote control. 60 W/ch min rms into 8 ohms; FR 20-20,000 Hz; THD 0.06%; S/N 102 dB (CD); IM 0.06%; damping factor 40; dynamic power 135-W/ch into 2 ohms ..... \$320

## Integra Series

### Grand Integra A-G10 135-W/ch Integrated Amp

Features dual 18-bit linear D/A converters, and 8x-oversampling digital filter. Oversized power-supply block to drive low-impedance loads; dual-mono design; high-speed switching power supply with 8 split chemical capacitors per channel. Optical and coaxial digital inputs; source-direct mode; remote control with phase-reverse button. 130 W/ch cont avg into 8 ohms; dynamic power output 420 W/ch into 2 ohms. Wood sidepanels ..... \$3,000

### A-8800 100-W/ch Integrated Amplifier

Features dual 18-bit D/A converters, 8x-oversampling digital filter. Discrete output section; high-speed switching power supply with split chemical capacitors. Optical and coaxial digital inputs; 10 inputs; pre-out/main-in terminals. 100 W/ch min rms into 8 ohms; FR 20-20,000 Hz; THD 0.008%; S/N 107 dB (CD); IM 0.005%; damping factor 100 \$580

### A-8700 105-W/ch Integrated Amplifier

Features Anti-Electromagnetic Interference (AEI) transformer; discrete outputs; switching power supply. Source-direct mode to bypass preamp section; MM/MC inputs; switchable subsonic filter. 105 W/ch min rms into 8 ohms; FR 20-20,000 Hz; THD 0.008%; S/N 107 dB (CD); IM 0.005%; damping factor 150 ..... \$530

### A-8500 80-W/ch Integrated Amplifier

Discrete outputs. Features switching power supply with tri-terminal regulators; shielded four-block design. Source-direct mode to bypass preamp section; MM/MC inputs; 4-position rec selector. 80 W/ch min rms into 8 ohms; FR 20-20,000 Hz; THD 0.008%; S/N 107 dB (CD); IM 0.005%; damping factor 150; dynamic power 224-W/ch into 2 ohms ..... \$420

## OPTONICA BY SHARP

### SM-A75 4-Ch A/V Integrated Amp

Features 11 surround effects; 35 W x 4; 3 user-programmable modes; 2 monitor output controls; FL display; A/V cross playback; wireless remote control; adjustable time delay; adjustable feedback level; dubbing selection; 9 audio inputs/5 video inputs; 3 audio outputs/4 video outputs. signal-to-noise ratio 89 dB (75 dB phono); IM 0.8%; CD FR 15-30,000 Hz front, 15-17,000 Hz rear ..... \$600

# ULTIMATE SATISFACTION

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Created with Luxman Home Audio technology, the Alpine 5952S CD Shuttle for the car delivers a sound so pure ... so rich, even concert hall aficionados have applauded it. It's a sound that's hard to leave behind and now you don't have to.

With the Luxman DC-114 CD Shuttle you can take this incredible sound with you, from your car right into your living room. The DC-114 is the only Compact Disc changer in the world that's compatible with the Alpine 5952S CD Shuttle. Simply remove the six disc magazine from your car's audio system and plug it into your home system.

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engineering know-how you can expect from Luxman, a recognized leader in sonic excellence for over 65 years. The DC-114 boasts a myriad of advanced features, including 8-fold oversampling digital

filter, 18 bit dual digital-to-analog converters, Luxman's patented Duo-Beta Circuitry to minimize the audible effects of negative feedback, and Star Circuit Topology to significantly reduce noise and distortion. And thanks to its rugged durability, it comes with our exclusive 5 Year Parts and Labor Warranty, the finest in the industry.

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**LUXMAN**  
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## PHILIPS

### FA-80 100-W/ch Integrated Amplifier

Features Philips linear-drive power supply. Class A mode with 20 W/ch. Source-direct switching with auto tone defeat; 11 inputs: phono (MM and MC cartridges), CD or CDV, tuner, three aux., three tape recorders or VCR's and signal processor ..... \$599

### FA-50 70-W/ch Integrated Amplifier

Features Philips linear-drive power supply; DC and short-circuit protection. Source-direct switching with auto tone defeat ..... \$399



Philips FA-50

## PIONEER

### Elite A-91D 120-W/ch Integrated Amplifier

Features digital conversion section with 4x-oversampling digital filter, dual D/A converters. Digital circuit for CD's; line-direct switch; non-resonating frame chassis, insulators, and heat sink; separate voltage- and current-amplifying stages; 2 high-capacity, magnetically shielded transformers; analog low-pass filter; five digital inputs (two optical); three digital outputs (one optical); optical transfer distortion canceler. 120 W/ch into 8 ohms from 20-20,000 Hz with no more than 0.003% THD. 170 W/ch into 4 ohms from 20-20,000 Hz with no more than 0.005% THD. 18 x 6 1/2 x 18 1/2 in; 66 lb ... \$1,600

### A-71 120-W/ch Integrated Amplifier

Features line-direct switch; nonresonating frame chassis, insulators, and heat sink; clean ground technology; 7 inputs; Urushi finished front panel; rosewood-finish vinyl-covered side panels. 120 W/ch into 8 ohms from 20-20,000 Hz with no more than 0.003%. 18 x 6 1/2 x 18 1/2 in; 59.5 lb ..... \$1,100

### VSA-1000 5-Ch A/V Integrated Amplifier

Features Dolby Pro Logic surround-sound processor with digital delay. 4 mode: Dolby Surround, stadium, simulated stereo, studio. 154-position memory remote control; 2 S-video input/output terminals; 2 video monitor outputs with 1 S-video terminal; pre-out/power-in for front, rear, and center; 7 video inputs; 6 audio inputs; video signal selector and video adaptor loop; 3-position acoustic memory; on-screen display. 100 W/ch into 8 ohms with 20-20,000 Hz with 0.1% THD. Rear channels: 30 W/ch into 6 ohms from 20-20,000 Hz with 0.1% THD; center channel 30 W/ch into 6 ohms from 20-20,000 Hz with 0.1% THD. 16 1/2 x 6 1/2 x 16 1/2 in; 26.5 lb ..... \$1,000

### A-757 100-W/ch Integrated Amplifier

Nonswitching design with separate voltage- and output-amplifying stages. Features line-direct switch, honeycomb chassis, insulators, and heat sink; separate circuit blocks; direct connection II; 8 inputs. 100 W/ch cont avg into 8 ohms; FR 20-20,000 Hz; THD 0.003%. 16 1/2 x 6 1/2 x 16 1/2 in; 43 lb ..... \$750

### A-337 40-W/ch Integrated Amplifier

Antiresonance and vibration design. Features direct connection for input signal. Clean ground system; tone bypass switch. 6-position record selector; 4 speaker outputs. 40 W/ch into 8 ohms from 20-20,000 Hz with 0.02% THD. \$250

## PROTON

### AM-656 60-W/ch Integrated Amplifier

Dynamic Power on Demand circuitry. Features Apex Aural Exciter; tone bypass; motorized volume control; 2-color LCD display. FR 20-20,000 Hz  $\pm 0.3$  dB; THD 0.02%; IM 0.01%; damping factor >150; dynamic headroom 6 dB. 18 1/2 x 3 3/4 x 15 1/2 in; 26.6 lb ..... \$700

### D540 40-W/ch Integrated Amplifier

High-current, high-dynamic power amplifier with Dynamic Power On Demand (DPD) circuitry. Features phono section with MC/MM phono selections; active volume control; anticipating circuit. 40-W/ch cont from 20-20,000 Hz; FR 20-20,000 Hz  $\pm 0.2$  dB; S/N 85 dB, 105 dB (A-wtd); dynamic headroom 6 dB. Dynamic power rating: IHF 20 ms at 8 ohms, 160 W; 4 ohms, 280 W; 2 ohms, 380 W; 100 ms at 8 ohms, 150 W; 4 ohms, 220 W; 2 ohms, 230 W; 200 ms at 8 ohms, 150 W; 4 ohms, 190 W; 2 ohms, 200 W. 16 1/2 x 3 1/2 x 12 1/2 in; 19.1 lb ..... \$380

## REALISTIC BY RADIO SHACK

### SA-150 Mini Integrated Amplifier

Inputs for tuner, tape deck, turntable. Mono/stereo button; tone control; headphone jack. Walnut-grain vinyl finish. 9 x 2 1/2 x 6 in ... \$60

### SA-10 Mini Integrated Amplifier

Inputs for ceramic phono, tuner, tape deck. Mono/stereo button; tone control; L/R volume control. 8 x 3 1/4 x 5 1/2 in ..... \$30

## REVOX

### B250-S 150-W/ch Integrated Amplifier

Preamp section allows simultaneous listening and recording from 2 different sources. 6 inputs for tuner, tape 1 and 2, aux., CD, and phono MM (moving-coil input option), each input level adjustable and storable in nonvolatile memory; optional video-switcher provides 4 video inputs (2 VCR, videodisc, TV) controlled via B208 wireless remote; FL display varies in intensity with ambient light. 150 W/ch into 4 ohms; THD <0.015%; MM phono S/N 80 dB. 17 1/4 x 4 1/4 x 13 in; 13 lb ..... \$2,500  
B150. Similar to B250-S, 90 W/ch into 4 ohms ..... \$895

## ROTEL

### RA820BX4 30-W/ch Integrated Amplifier

Class AB design. Has moving-coil input. THD 0.03%; high-level sens 150 mV; bandwidth 20-20,000 Hz; MM phono S/N 80 dB; MM phono sens 2.5 mV; MM phono overload 170 mV. 15 1/2 lb ..... \$399

### RA820BX4 50-W/ch Integrated Amplifier

Class AB design with moving-coil input. THD 0.03%; high-level sens 150 mV; bandwidth 20-20,000 Hz; MM phono S/N 80 dB; MM phono sens 2.5 mV; MM phono overload 170 mV. 16 lb \$299

## SANSUI

### AU-X911DG 100-W/ch Integrated Amplifier

Features 1-bit D/A converter; independent circuitry for left and right amplifiers; X-balanced and feed-forward circuits; direct-access rotary switching at point of input; motor-driven remote switching; separate digital and analog transformers. Digital-direct and source-direct operation; separate record selector; 5 pairs of gold-plated analog inputs; 4 pairs of gold-plated digital inputs; record selector; subsonic filter; loudness; speaker A, B, A+B. 100 W/ch min rms into 8 ohms; FR 10-20,000 Hz; THD 0.005%. 17 x 6 1/2 x 17 1/4 in; 40 lb ..... \$1,100

### AU-X711 100-W/ch Integrated Amplifier

Features X-balanced circuitry; cascade-connected differential FET input design; digital-direct input; source-direct input; loudness switch; subsonic filter; independent record selector; 10 gold-plated inputs; speaker A, B. 100 W/ch min rms into 8 ohms; FR 10-20,000 Hz; THD 0.003%; S/N 88 dB (MM), 70 dB (MC), 110 dB (CD, tuner, tape); damping factor (at 8 ohms) 150; slew rate 180 V/ $\mu$ sec; rise time 0.6  $\mu$ sec. 17 x 6 1/2 x 17 1/4 in ..... \$850

### AU-X611AV 80-W/ch Integrated Amplifier

Features low-impedance drive capability; high-gain phono EQ; signal-processor loop; rec selector; gold-plated headphone output. 80 W/ch min rms into 8 ohms; FR 20-20,000 Hz; THD <0.008%; damping factor (at 8 ohms) 100; S/N 87 dB (MM), 75 dB (MC), 95 dB (all other sources). 17 x 6 1/2 x 17 1/4 in ..... \$700

### AU-X301i 65-W/ch Integrated Amplifier

Features low-impedance drive capability; high-gain phono EQ for MM and MC cartridges; stabilized ground circuit; record selector; subsonic filter. 65 W/ch min rms into 8 ohms; frequency response 20-20,000 Hz; THD 0.05%; signal-to-noise ratio 80 dB (MM), 65 dB (MC), 105 dB (CD, tape). 17 x 5 1/2 x 12 1/2 in; 20.9 lb. Matte-black finish ..... \$320

## SCOTT

### STA-1200 125-W/ch Integrated Amplifier/Tuner

Comes with separate AM/FM quartz-synthesis tuner. Features 7-band graphic equalizer; rotary volume control; video sound input; loudness switch; EQ-defeat switch; LED power-level meter; auto scan/manual tuning; CD/DAT input jacks; discrete output transistors; headphone jack. 125 W/ch rms into 8 ohms from 20-20,000 Hz at 0.09% THD; S/N, phono 70 dB, aux 90 dB. Tuner: FM sens 3.5  $\mu$ V at 3% THD; FM S/N 70 dB. Amp: 17 1/2 x 5 1/2 x 10 1/4 in; tuner: 17 1/2 x 5 1/2 x 10 1/4 in ..... \$400

## SHERWOOD

### A1-1210R 100-W/ch Integrated Amplifier

Features surround-sound circuitry; low-noise phono amplifier; subsonic filter. Video sound input; loudness control; direct switch; headphone input jack; peak-power indicator; mute switch. Includes multifunction wireless remote control. 100 W/ch; IM 0.04%; signal-to-noise ratio 79 dB; frequency response 8-70,000 Hz. 17 1/2 x 5 1/2 x 13 in ..... \$349

### A1-1110 50-W/ch Integrated Amplifier

Features surround-sound circuitry; low-noise phono amplifier. Video sound input; loudness control; rotary-type volume control; direct switch. 50 W/ch; IM 0.1%; signal-to-noise ratio 75 dB; frequency response 8-60,000 Hz. 17 1/2 x 3 3/4 x 8 1/2 in ..... \$169

## SOUNDSTREAM

### RA-100 50-W/ch Remote-Room Amplifier

Bridgeable to 100 W mono. Features remote-controllable volume, balance, system on/off, bass and treble controls, and master level; variable line outputs/input for a local audio source. Wall-mounting brackets included; optional wired keypad or wireless remote control. FR 20-20,000 Hz; S/N >95 dB; THD <0.1%. 9 x 1 1/2 x 12 in; 5 lb ..... \$695

## TANDBERG

### 3032 120-W/ch Integrated Amplifier

Features MOSFET and bipolar circuitry; separate MM and MC inputs; servo loop for DC stability;

# INTEGRATED • AMPLIFIERS

fully remote controlled. 60-500 W; FR 1.6-250,000 Hz; S/N 68 dB for phono MC, 72 dB for phono MM, 74 dB for other; THD 0.09%. 17 1/2 x 5 1/2 x 14 in ..... \$1,649

## TECHNICS

### SU-V90D 100-W/ch Integrated Amplifier

Features digital processor with 4x-oversampling digital filter and dual 18-bit D/A converters. Class AA circuitry. Features auto switching between sampling frequencies; subsonic filter. Optical/coaxial digital inputs; loudness control; muting; direct-digital operation mode. Amp section: 100 W/ch into 8 ohms; THD 0.003%; FR 20-20,000 Hz; damping factor 60. Digital section: THD 0.003% at 1,000 Hz; S/N 110 dB; FR 20-20,000 Hz ± 0.3 dB. Preamp section: FR 30-15,000 Hz (phono), 20-20,000 Hz +0, -0.1 dB (other sources); S/N 79 dB. 17 x 6 1/4 x 15 1/2 in; 29 lb ..... \$1,050

### SU-AV55 50-W/ch A/V Integrated Amplifier

Features Dolby Surround sound; bass synthesis with level control; S-VHS input/output terminals; 3 A/V inputs; 7 audio inputs; video out and S-VHS video out; FL display; stereoplex simulated stereo. Includes wireless remote control. Front channels: 50 W/ch into 8 ohms; FR 20-20,000 Hz; total harmonic distortion <0.02%. Rear: 10 W/ch into 8 ohms; FR 20-20,000 Hz; total harmonic distortion <0.09% ..... \$730

### SU-V660 90-W/ch Integrated Amplifier

Features Class AA circuitry; high-speed capacitors with electrolyte; heavy-duty power supply; large aluminum heat sinks; active servo power supply. Power amp direct input; MM/MC cartridge input; 6-position multiple input facilities; A/B speaker terminals; tone defeat switch; loudness switch; stereo/mono-switch. Amp section: 90 W/ch min rms into 8 ohms; FR 20-20,000 Hz; THD 0.007%; damping factor 80. Preamp section: FR 30-15,000 Hz ± 0.8 dB (phono), 20-20,000 Hz +0, -0.2 dB (other sources); S/N 76 dB (MM), 72 dB (MC), 80 dB (other sources) ..... \$380

### SU-V460 50-W/ch Integrated Amplifier

Features Class AA circuitry; high-speed capacitors with electrolyte; heavy-duty power supply; large aluminum heat sinks; power amp direct input; 6-position multiple input facilities; A/B speaker terminals; tone-defeat switch; loudness switch; stereo/mono mode switch. Amp section: 50 W/ch min rms into 8 ohms; frequency response 20-20,000 Hz; total harmonic distortion 0.007%; damping factor 60. Preamp section: frequency response 30-15,000 Hz ± 0.8 dB (phono), 20-20,000 Hz +0, -0.2 dB (other sources); signal-to-noise ratio 76 dB (MM), 81 dB (other sources) ..... \$300

## VECTOR RESEARCH

### VA-800 35-W/ch Integrated Amplifier

Features C-MOS input switching; gold-plated binding posts; toroidal power transformer. Amplifier section: 35 W/ch into 8 ohms, 50 W into 4 ohms; total harmonic distortion 0.09%; IM 0.1%; FR 10-50,000 Hz; damping factor 100. Preamp section: signal-to-noise ratio 78 dB for phono, 95 dB for CD/tape. .... \$250

## YAMAHA

### AX-900U 130-W/ch Integrated Amplifier

Independent preamp/power-amp configuration. Features high dynamic power; low-impedance drive capability. Continuously variable loudness control; preamp in/main amp out terminals; dual rec-out selectors. 130 W/ch min rms

into 8 ohms; FR 20-20,000 Hz; THD <0.005%. Black finish. 42 lb ..... \$749

### AVX-700Ti 65-W/ch Integrated A/V Amplifier

Features 5 channels: 65-W/ch front, 14-W/ch rear/center. Three-mode digital surround; Dolby Pro Logic decoder; Yamaha active-servo amplification for main channels; adjustable time delay (5-30 msec); test-tone generator. 9 audio and 4 video inputs; all video inputs S-video compatible; motorized volume control with LED indicator; copy function; electronic 2-band tone control; electronic rear/center speaker-level controls; pre-out connections for center and surround channels; wireless remote control with 98 keys, 35 learning; 65 watts x 2 into 8 ohms. Titanium finish ..... \$649  
AVX-700. As above, black ..... \$649

### AX-700U 110-W/ch Integrated Amplifier

Features low-impedance drive capability. CD direct position; continuously variable loudness control; rec-out selector; accessory output loop; 3 tape inputs. 110 watts/ch min rms into 8 ohms; frequency response 20-20,000 Hz; total harmonic distortion less than 0.005%. Black finish. 29 lb ..... \$599

### AVX-500Ti 80-W/ch Integrated A/V Amplifier

Features 5 channels: 80-W/ch front, 15-W/ch rear/center. Two mode digital surround; Dolby Pro Logic decoder; Yamaha active-servo technology amplification for main channels; test-tone generator. 7 audio and 3 video inputs; S-video compatible; 3-band tone control; RS integrated system learning wireless remote control with 76 keys, 35 learning. Titanium finish ..... \$549  
AVX-500. As above, black ..... \$549

### AX-630Ti 85-W/ch Integrated Amplifier

Features active-servo technology; low-impedance drive capability; high capacitance electrolytic caps; independent power supply for preamp and power amp; MC-cartridge head amp; accessory output loop (line level). Continuously variable loudness control; 6 audio source inputs; CD-direct switch; 6-position rec-out selector; center-defeat, bass, and treble controls; switchable subsonic filter; banana-plug-compatible speaker terminals. 85-watts/ch min rms into 8 ohms; frequency response 20-20,000 Hz. Titanium finish. 20 lb ..... \$449  
AX-630. As above, black ..... \$449

### AX-430 55-W/ch Integrated Amplifier

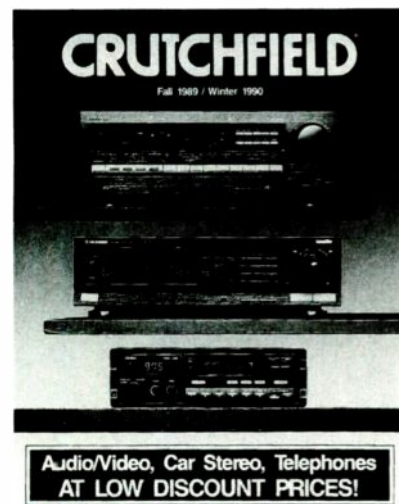
Features low-impedance drive capability. MC-cartridge head amp. CD-direct switch; continuously variable loudness control; 6 audio-source inputs; center-channel defeat, bass- and treble controls; banana-plug-compatible speaker terminals. 55 W/ch min rms into 8 ohms; FR 20-20,000 Hz; total harmonic distortion <0.15%. Black finish. 18 lb ..... \$299

## YBA BY MUSIC HALL

### Integre 45-W/ch Integrated Amplifier

Features many components used in YBA 3 amplifier and YBA 3 preamplifier. 6 inputs ..... \$1,850

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. Manufacturers' addresses and phone numbers are listed in the directory beginning on page 231.



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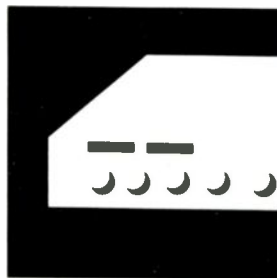
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# PREAMPLIFIERS



## ACCUPHASE BY MADRIGAL

### C280I Preamplifier

All-stage Class A push-pull circuitry and DC servo-controlled direct-coupled unit amps and signal paths. Built-in head amp for MC cartridges; separate power transformers for each ch (+26 dB or +32 dB); MC input-imp selector switch; L/R input-level controls; 2-stage selectable loudness compensation. Phono input 2 mV, phono (head amp on) 0.1 mV/0.5mV selectable; line/tuner input 126 mV; rated output 2 V; line/tuner s/N 110 dB; phono s/N 85 dB; phono s/N (head amp on) 72 dB ..... \$11,750

### C270 Preamplifier

Cascade push-pull circuits in all stages; separate regulated power supply for each gain stage in each ch; fully balanced input and output for CD player; 10 inputs; selectable loudness compensation. Inputs for MM phono; tape; tape 2; CD player; CD player/balanced; tuner; 4 line-level sources. s/N 92 dB; 34.5 lb ..... \$8,250

### C200V Preamplifier

Preamp with 11 inputs; separate tone controls for each ch with selectable turnover frequencies; some inputs and outputs accessible from front panel. Inputs for MM phono, MC phono, tape, tape 2, tape 3; aux, phono 2, phono 3, CD player, tuner; line 2; line 3. Max output 8.0 V; MM phono sens 0.5 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 300 mV; 30 lb ..... \$6,000

## ADCOM

### GFP-565 Preamplifier

Features 1% Roederstein metal-film resistors and metallized-film capacitors on a double copper-plated, glass-epoxy printed circuit board. All stages operate in pure Class A mode; separate headphone amplifier; three sets of outputs: 1) Bypass (direct-coupled output), 2) Lab (direct-coupled output with tone controls, filter, loudness contour and mono modes), 3) Normal outputs. Can record from one input while listening to another input; loudness contour control; signal-processor loop; 5 high-level inputs and 1 phono input (MC, MM). FR 5-90,000 Hz  $\pm 0.5$  dB; THD (line) 0.0025%, (phono) 0.009%; s/N (line) >100 dBA, (phono) >95 dBA; sens (line) 205 mV, (phono) 23 mV; ch sep >75 dB at 1,000 Hz. Black finish. 17 x 3 x 11½ in; 11 lb ..... \$800  
GFP-565W. As above with white front panel ..... \$850

### GTP-500II Preamplifier/Tuner

Preamplifier with built-in tuner. 1% Roederstein resistors in all critical application; wireless remote control included. Remote sensors available for control from different rooms. Preamp section features inputs for MM phono; tape 1; tape 2; CD player; tuner. Tuner section features quartz-referenced digitally synthesis

tuning; auto up and down scan; 8 AM/FM presets; 5-LED signal-strength display; high-blend circuit; 2 sets of outputs (AC coupled, DC coupled). Preamp: FR 5-65,000 Hz  $\pm 0.5$  dB; s/N phono A-wtd 85 dB; IM 0.0015%. Tuner: sens 36.5 dBf stereo; THD 0.09% stereo at 1,000 Hz; s/N 75 dB stereo; sep 52 dB at 1,000 Hz. 17 x 3¼ x 12¼ in; 16 lb ..... \$600  
GTP-500IIW. As above with white front panel ..... \$650

### GFP-555II Preamplifier

Features two-sided copper-plated circuit board for low noise and hum; 1% Roederstein resistors and film capacitors used throughout; switchable phono-input capacitance; switchable gain on phono input; tape dubbing; separate headphone amp; 2 sets of outputs (AC coupled, DC coupled); bypass output; signal-processor loop; 5 pairs of high-level inputs. Can record from one input while listening to another input. Inputs for MM phono; MC phono; tape; tape 2; CD player; tuner; video. FR 5-85,000 Hz  $\pm 0.5$  dB; s/N (line) 100 dBA, (phono) 90 dB; THD (line) 0.003%, (phono) 0.02%; sens (line) 200 mV, (phono) 2.3 mV. 17 x 3 x 11½ in; 11.5 lb ..... \$500  
GFP-555W. As above with white front panel ..... \$550

### GTP-400 Preamplifier/Tuner

Phono stages operate in full Class A operation; RIAA equalization circuit for high-output moving-coil or MM phono cartridges. Separate recording selector allows listening to one source while recording another; feedback tone control; 8 AM/FM station presets. Preamp section: THD <0.01%; IM 0.005%; FR 20-20,000 Hz,  $\pm 0.1$  dB; s/N: phono 80 dB, line >95 dB. Tuner section: -50 dB quieting mono 13.5 dBf, stereo 37 dBf; HF sens mono 11 dBf; cap ratio 1.7 dB; THD stereo 0.1% at 1,000 Hz; s/N mono 80, stereo 75 dB; FR 30-15,000 Hz,  $\pm 0.5$  dB. 17 x 3¼ x 12¼ in; 15 lb ..... \$380  
GTP-400W. As above with white front panel ..... \$430

### Accessories

XR-500II. Optional remote sensor for GTP-500II ..... \$90  
RM-3W. RM-3 in white ..... \$25/pr  
RM-3S. RM-3 in silver ..... \$25/pr  
RM-3. Optional rack-mount adaptors for GFP-555II and GTP-500II ..... \$20/pr

## a/d/s/

### CC4 AM/FM Preamplifier/Tuner

Features microprocessor-operating system for remote-control operation, digital volume and tone controls, and alphanumeric display. Remote IR receiver capability for multiroom applications. RS-232 port for control by personal computer; digital-synthesis tuning with 30 AM/FM presets; optional remote control via RC1. Preamp section: max output >7 V rms into

10,000 ohms/1,000 pF; volume and balance control range 80 dB in 1-dB steps; bass and treble control range  $\pm 10$  dB in 2-dB steps; low bass 0 to +6 dB in 1-dB steps. FM section: sens <13 dBf mono; 50-dB quieting sens <40 dBf stereo; capture ratio <1.5 dB; sel >65 dB; spurious rejection >100 dB; stereo s/N >70 dB; sep at 1,000 Hz >47 dB. AM section: sens for 6-dB s/N <10  $\mu$ V; IF rejection >50 dB; s/N 44 dB. 17½ x 2¼ x 14¼ in; 15 lb ..... \$850  
RC1. Unified remote control for use with above and other a/d/s/ components ..... \$150

## ARAGON BY MONDIAL

### 24K Preamplifier

Features external AC power supply; dual-mono DC supply; gold-plated input/output connectors; oxygen-free copper wiring with Teflon dielectric; silver-to-silver contact switches. s/N 95 dB. 19 x 14 x 3½ in; 25 lb ..... \$1,250  
IPS. Optional isolated power supply for above. 5 x 5 x 9¼ in; 12 lb ..... \$250

## ARCAM

### Delta 110 Preamplifier

Features built-in 1-bit, D/A converter. Two switched digital inputs; 5 analog inputs; MM/MC phono inputs; 2 tape loops; separate toroidal power transformers for digital and analog sections; standby mode for warm-up; front-panel switching for 2 speaker pairs; remote control ..... \$1,500

## ATMA-SPHERE

### MP-1 Tube Preamplifier

Differential balanced-line vacuum-tube preamplifier. Features direct-coupled output; XLR input connectors for phono and auxiliary inputs; zero negative feedback; dual-mono construction; precision-stepped volume control; 2 tape monitors; phase-inversion switch; outboard power supply with tube regulation. 2-tone black and gold brushed finish ..... \$5,600

## AUDIO BY VAN ALSTINE

### Transcendence FET-Value Preamplifier

Features compound hybrid construction; toroidal power transformer; regulated power supply. RIAA phono inputs; 2 sets of tape inputs with tape-to-tape monitoring; 3 sets of line-level inputs for digital and analog sources; volume/balance controls; separate bass and treble controls for each channel; 2 pairs of audio outputs; amp-driven headphone jack. Power bandwidth >800,000 Hz; speaker-selector switch. 13½ x 4½ x 12½ in; 11 lb ..... \$1,195

### Super Pas Three Omega Tube-IC Preamplifier

Features vacuum-tube gain circuits with solid-state buffer circuits for low-output impedance and high drive currents. Volume/balance controls; RIAA equalization; phono and 3 or 5 line-



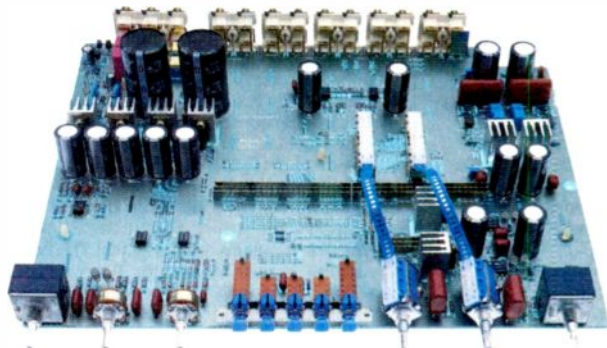
# Adcom's GFP-565 Preamp: Pure and Simple.



## In Search of Sonic Perfection, Adcom Took the Path of Least Resistance

The fewer circuits a musical signal encounters on its way to your loudspeaker system, the greater its musical purity will be. Now, through obsessive attention to detail and design ingenuity, Adcom has created the GFP-565 — the world's first affordable preamplifier with direct, linear gain path circuitry. By combining the GFP-565 with any of Adcom's power amplifiers, you can experience the exceptionally lifelike sound which has astonished even the most demanding critics.

From Input to Output,  
the Signal Path is  
as Direct, Pure and  
Simple as Possible



*By gold plating all input and output jacks, and then directly mounting all jacks, switches, potentiometers and other laboratory grade components on a double copper-plated, glass epoxy printed circuit board, signal losses and noise are dramatically reduced.*

## Three Sets of Outputs for the Perfect Balance of Performance and Flexibility

You can use one or more sets of outputs: 1) BYPASS - direct-coupled before tone controls, filters, etc. for the most direct path to your power amplifier while retaining control of volume and balance. 2) LAB - direct-coupled with no output-coupling capacitors yet with tone, filter and loudness controls. 3) NORMAL - same as LAB but with highest quality output capacitors for use with amplifiers needing the extra protection of ultra-low-frequency roll-off.

Bi-amped and tri-amped systems are easily accommodated by this flexible arrangement.

## Pure Convenience

The minimalist aesthetics of the GFP-565 are deceptive in their simplicity. Without being overly complicated to use, this preamplifier is able to integrate and control all of the components in the most sophisticated of music systems. There are five high-level inputs as well as a phono input. A separate front-panel switch allows the use of an external processor, only when needed, leaving both tape circuits free. And, of course, you may listen to one input while recording from another.

## More Sound, Less Money

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# PREAMPLIFIERS

level inputs; tape-monitoring capability. 13½ x 4½ x 9 in; 9 lb. Factory wired ..... \$745  
Kit. Depending on options ..... \$200 to \$300

## Omega Preamp

Features audio circuits with FET op-amps and hybrid current amps. Optional phono, dual tape, and two additional high-level inputs; tape-to-tape monitoring; volume, balance, bass, and treble controls; 2 audio outputs; headphone jack. Optional phase inverter, headphone amplifier, and buffer tape driver circuits. THD <0.003%. 17 x 3 x 9 in; 13 lb ..... \$595

## FET-3i Preamp

Features dual FET op-amp circuits; matched phono circuits. Tight-tracking volume/balance controls; balanced tone controls; tuner, tape, and aux inputs; 2 switched AC outlets. 13½ x 3 x 8½ in; 7 lb ..... \$195

## AUDIO DESIGN ASSOCIATES

### DSP-8 Preamp

8-input capability. Features 5 balanced stereo source inputs; 3 balanced stereo tape inputs; 1 stereo signal-processor loop input; digital source-switching input; 2 main outputs; 3 tape outputs; 1 processor-loop output; 8 source pulse outputs; volume, balance, bass, mid, treble, sources and tape-monitor controls; 1 switched outlet. Input imp < 47 kilohms; max-input level ±10 volts; output imp > 1,000 ohms; max-output level ±10 volts; FR 5-30,000 Hz ±3 dB; THD 0.05% S/N 90 dB. 3.5 x 19 x 11¼ in; 8 lb ..... \$1,395

### ADP-8 Preamp

8-input capability. Features 5 stereo source inputs; 3 stereo tape inputs; 1 stereo signal-processor loop input; 3 main outputs; 3 tape outputs; 1 processor loop output; volume, balance, bass, mid, treble, and source-selection controls; 1 switched outlet. Input imp <47 kilohms; max-input level 8 volts; Output imp > 100 ohms; max-output level ±12 volts; FR 20-20,000 Hz ±0.25 dB; THD 0.05%; S/N 85 dB. 3½ x 19 x 11¼ in; 8 lb ..... \$995

## AUDIOLAB BY ARTECH

### Model 800C Preamp

Features phase-compensated tone controls; extreme-frequency contouring; switch for reference-flat response. Inputs: MC, MM, tape 1, tape 2, tuner, CD; separate listening and recording controls; mute switch. FR 20-20,000 ±0.5 dB; S/N: line 90 dB, phono MM 79 dB, phono MC 75 dB; THD <0.01%. 17½ x 2¾ x 11¼ in; 14 lb \$595

## AUDIO RESEARCH

### SP-15 Hybrid Preamp

Hybrid design using FET's and 3 vacuum tubes. Features second chassis with toroidal power transformer; 7 inputs including MM/MC, tape 1 and 2, CD, tuner, video, aux; auto muting; manual muting; bypass control; absolute-phase switch; gain and attenuation controls; 7 sets of outputs; front-panel MC impedance selector. FR 0.1-200,000 Hz -3 dB; THD 0.005% at 2 V rms; S/N 110 dB; max 80 V rms output; phono overload 350 mV rms at 1,000 Hz. 19 x 5¼ x 10¼ in; 29 lb ..... \$5,995

### SP-14 Hybrid Preamp

Hybrid design using FET's and vacuum tubes. Features shielded toroidal power transformer; 7 inputs; auto muting; manual muting; bypass control; gain and attenuation controls; allows recording of one input while listening to another; internally adjustable phono impedance and capacitance. Frequency response 1-200,000 Hz

-3 dB; total harmonic distortion 0.01% at 2 V rms; S/N 100 dB; max 50 V rms output; phono overload 200 mV rms at 1,000 Hz ..... \$2,995

### SP-9 MkII Hybrid Preamp

On-board power supply; auto mute circuit for warmup, voltage drop; switchable muting; 2 tape inputs, 2 tape outputs; 2-position tape-monitor switching; gold-plated input/output jacks; shielded toroidal power transformer; 2 6DJ8 vacuum tubes (1-in phono, 1-in line stage); compatible with many MC cartridges; black front panel extra. FR 5-50,000 Hz (high level, ±0.5 dB), magnetic phono, ±0.3 dB of RIAA, 30-40,000 Hz; max output 2 V rms; distortion <0.01% at 2 V rms out; input imp 50k ohms (all high level) ..... \$1,795

### LS1 Hybrid Line-Stage Preamp

Preamp incorporates FET and vacuum-tube. Features auto muting for warmup and power-line interrupt; shielded toroidal transformer. 7 inputs including CD, tuner, video, aux 1, aux 2, tape, and direct-gain path which bypasses all major controls except gain; manual muting; gold-plated input/output jacks. FR 5-50,000 Hz ±0.5 dB; 2 V rms output (max 50 V); S/N 100 dB. 19 x 5¼ x 10¼ in. 12 lb ..... \$1,495

## AUDIOSOURCE

### Pre-One Preamp

Preamp with built-in MC head, 6 FET inputs, with electronic switching; 2 main outputs; bass EQ circuitry; tape-to-tape dubbing; S/N >100 dB; THD <0.008%; FR 10-100,000 Hz. 16½ x 2¾ x 11¼ in. 8 lb ..... \$250

## AUDIRE

### Andante Preamp

Class A, moving-coil, and moving-magnet preamp. Features dual tone controls; 2 amplifier and 2 tape outputs; inputs for CD, video, DAT, tuner, moving-coil, moving-magnet, 2 tapes, aux; 4 switched and 4 unswitched power-line switches; active tone controls; separate left and right channels; field-effect-transistors. FR 1-48,000 Hz; THD 0.025%; S/N 100 dB. 19 x 3½ x 6 in; 10 lb ..... \$1,750

### Diffet 2 Preamp

Moving-coil and moving magnet phono preamp. Features discrete circuitry; large power supply. FR 1-48,000 Hz; S/N 100 dB; 19 x 2¼ x 7 in; 7 lb ..... \$855

### Legato Preamp

Features 2 phono; 2 tape mon; tuner; aux; dubbing; subsonic filter; 2 AC. FR DC-100,000 Hz -0.25 dB; S/N 90 dB. 19 x 1¼ x 7 in; 6 lb ..... \$440

## B & K COMPONENTS

### Sonata Series MC-101 Preamp

DC coupled discrete circuitry with a MM/MC selectable head amp. 2 tape loops; 2 separate record selector; 2 tone controls; MM sens 0.8 mV; MM S/N 82 dB; MC S/N 72 dB; FR 1-100,000 Hz +0, -0.5 dB; THD 0.02%. Balanced outputs. 17 x 3½ x 10 in ..... \$1,098  
Without balanced output ..... \$898

### Sonata Series Pro-10 Preamp

Discrete DC-coupled preamp with circuit topology similar to MC-101. Tone controls and high-cut filter have been omitted; external power supply; MC/MM selectable; separate record selector. 6 inputs; 2 pre-outputs and 1 pair of balanced outputs. RIAA accuracy within ±0.2 dB. FR 1-100,000 Hz 0, -0.5 dB; THD <0.02%. 19 x 3½ x 10 in ..... \$898  
Without balanced outputs ..... \$698

### Pro-5 Preamp

Features 5 high-level inputs; 1 phono stage with 59-dB gain; balance, volume, bass, treble controls; gold-plated RCA connectors; moving-coil capacity. Inputs for MM phono, tape, aux, CD player, tuner, video. FR 1-100,000 Hz ±3 dB; signal-to-noise ratio 100 dB; MM phono sensitivity 0.56 mV for 0.5-V output at 1,000 Hz; MM phono input overload level 105 mV at 1,000 Hz; sensitivity for line-level inputs 53 mV. 19 x 3½ x 9 in ..... \$398

## BEDINI

### BC-800 Preamp

Features inputs for 2 tape decks, CD, DAT, tuner, and phono. Volume and balance controls. FR 1-110,000 Hz +0, -3 dB; THD <0.1%; IM <0.03%; RIAA phono deviation 10-30,000 Hz ±0.25 dB; S/N phono to rec out 100 dB, line to pre out 110 dB ..... \$2,100

### BC-866 Preamp

Class A preamp with inputs for phono, tuner, tape, CD, aux. Balance and volume controls. FR 1-110,000 Hz +0, -3 dB; THD <0.15%; IM <0.05%; RIAA phono deviation 20-25,000 Hz ±0.25 dB; S/N phono to rec out 90 dB/line to pre out 100 dB ..... \$960

## BELLES

### OCM 55 Preamp

Dual-chassis line-level preamp with external power source. Features 5 line inputs; 2 tape outputs, double tape loop; 2 preamp outputs. Phono interface optional. FR 2-100,000 Hz; THD 0.01%; high-level sens 50 mV. Each chassis 19 x 2¼ x 10 in, 22 lb ..... \$1,750

### OCM Phono Interface

For MM/MC cartridges; includes RIAA equalization. Adjustable sens for 0.2-10 mV cartridges. Variable input imp load matching from 0-47,000 ohms. MM phono overload 180 mV, MM S/N 80 dB. 19 x 2¼ x 10 in, 11 lb ..... \$1,150

### BELLES 55 Preamp

Features complementary circuitry and Class A power MOSFET outputs; phono section with internal DIP switch for MM and MC cartridges; 2 settings for gain; 2 settings for cartridge loading. External high-energy power supply with DIN connector in rear. 5 inputs; monitor 1; monitor 2; volume; balance; subsonic filter. FR 10-100,000 Hz ±3 dB ..... \$649

## BERNING

### TF-12 Preamp

Dual-mono tube preamp with differential triode design. Features digitally controlled switching matrix (1-dB steps over 80-dB range) for volume and balance to avoid coloration; LED dot-matrix displays relative levels of both channels; high-frequency resonant power supply; wireless remote control; high-gain line section (32 dB). Inputs for MM/MC phono; tape, aux; CD player; tuner; video. FR 5-100,000 Hz, ±3 dB; MM phono sens 0.38 mV for 0.5-V output at 1,000 Hz; sens for line-level inputs 32 mV ..... \$2,950

## BOULDER

### L3AE Preamp

Features single-chassis design; rugged construction; gold-plated jacks and three-pin output connectors. THD 0.0025% from 20-20,000 Hz, 0.005% at 20,000 Hz; FR 20-20,000 Hz; max voltage gain 59 dB for high-level phono inputs and 79 dB for low-level phono inputs; 17 x 3¼ x 15¼; 13 lb ..... \$1,299

# Our competition would love to rip us apart.

Remove the heavy duty transformers. Eliminate the independent power supplies. Disconnect proprietary signal enhancing circuitries. Replace metal panels, chassis, and trays with plastic.

These are a few of the things our competition would love to do to our components. Because it's the only way they could make them as good as their components.

At Onkyo, we believe technology without quality is meaningless. Our new AV Receiver line, for example, offers the most advanced multi-room, multi-source control. Yet at the heart are transformers and heat sinks substantially larger than those found in other brands. After all, if the sound is anemic, who cares how many rooms you can hear it in.

These new AV Receivers also feature Dolby Pro Logic, driven by 5 independent power supplies. So the critical center channel doesn't get short changed. And your viewing and listening enjoyment short circuited.

Onkyo components sound better because they're built better. It's a difference you can hear—and see.

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# PREAMPLIFIERS

## Modular Preamp System Components

The components listed below are sold separately, and in systems. Each module has gold-plated connectors, uses a common power supply, and measures 1 1/4 x 3 1/2 x 4 1/4 in.

### Boulder Ultimate Preamplifier

Features components MS01, MS11, MS21, MS32; mounted in one dual frame, and two single frames ..... \$4,799

### Boulder Complete Preamplifier

Features components MS01, MS10, MS21, MS31; mounted in one quad frame ..... \$2,899

### MS32 Output Controller Module

Features buffered inputs; volume, and balance controls; stereo/mono and polarity switches; mute (-20 dB) ..... \$1,299

### MS11 Phono Preamp Module

Performs RIAA EQ and gain adjust. MC and MM inputs; optional input for low-level MC's has 20-dB gain; triple-F switchable Bessel 3-pole low-cut filter at 10, 20, or 30 Hz; max gain 60 dB; RCA inputs standard, 3-pin optional; unbalanced RCA outputs; solid-state balanced output. FR 20-20,000 Hz; THD 0.0025% ..... \$999  
MS10. As above, no Bessel filter ..... \$849

MS01 Power Supply. 100-240 VAC 50/60 Hz, powers 4 modules ..... \$599

MS21 Selector Switch Module. Inputs for phono, CD, tuner, tape 1 and 2, aux; dubs between decks ..... \$529

SSMC Solid-State MC Input Module. Bridging with 20-dB gain ..... \$499

SSBO Solid-State Balanced-Output Module. Inverting stages for balanced output ..... \$299

## Preamplifier Housings

MF04. Mainframe houses 4 preamp modules. Full rack size with removable rack-mount ears ..... \$219

MF02. Mainframe houses 2 preamp modules. Half rack size ..... \$179

MF01. Mainframe houses 1 preamp module ..... \$159

MS00. Blank module panel for covering unused slots ..... \$69

## Preamplifier Power Cables, Connectors

CP06. Long power cable (1 needed for remote phono preamp) ..... \$72

CP02. Short power cable (1 needed for each module) ..... \$60

3-pin connectors. For unbalanced to balanced input (in addition to RCA connections) ... \$44

## BRYSTON

### 12B Preamplifier

Features moving-coil input; inverts polarity for MM phono but not MC phono output. Available with balanced output. FR 22-20,000 Hz  $\pm$  0.05 dB; high-level sens 50 mV; MM phono sens 1.25 mV for 0.5 V output at 1,000 Hz; MM phono overload 200 mV; MM phono S/N 30 dB; MC phono S/N 80 dB ..... \$1,695

### 11B Preamplifier

Inverts polarity for phono outputs only. Available with balanced output. FR 22-20,000 Hz  $\pm$  0.05 dB; high-level sens 50 mV; MM phono overload 200 mV; MM phono S/N 80 dB; MC phono S/N 80 dB ..... \$1,295  
11B with no phono ..... \$1,195

### BP4.2 Preamplifier

Features 2 pairs balanced inputs and 1 pair of balanced outputs; does not invert polarity. FR 22-20,000 Hz  $\pm$  0.05 dB; sens 50mV ..... \$995

### .5B Preamplifier

Inverts polarity for phono outputs only. Available with balanced output. FR 22-20,000 Hz  $\pm$  0.05 dB; high-level sens 50 mV; MM phono sens 1.25 mV for 0.5 V at 1,000 Hz; MM phono overload 200 mV; MM phono S/N 80 dB; MC phono S/N 80 ..... \$750

### .4B Preamplifier

Does not invert polarity. Available with balanced output. Features gain/balance control: 4 inputs (CD, tuner, tape, aux); 1 tape loop. FR 22-20,000 Hz  $\pm$  0.05 dB; high-level sens 50 mV. 19 x 1 1/4 x 9 in; 9 lbs ..... \$695

## CAMBRIDGE AUDIO

### C100 Preamplifier

Features toroidal power transformer. Dedicated headphone amplifier stage. Five inputs; phono stage for MM and MC cartridges; double tape input facilities; record defeat circuit; gold-plated phono sockets. Output voltage 300 mV (passive), 1 V (active); S/N 80 dB (MM), 75 dB (MC), 94 dB (line); input sens 4.5 mV (MM), 0.5 mV (MC), 300 mV (line) ..... \$760

### C70 Preamplifier

Features toroidal power transformer. Dedicated headphone amplifier stage; dual active and passive outputs; passive EQ on the RIAA stage; passive tone controls with tone defeat. Five inputs; phono stage for MM and MC cartridges; tape-loop facilities; gold-plated phono sockets. Output voltage 300 mV (passive), 900 mV (active); S/N 80 dB (MM), 75 dB (MC), 95 dB (line); input sens 4.5 mV (MM), 0.5 mV (MC), 300 mV (line) ..... \$635

## CARVER

### C-19 Hybrid Reference Preamplifier

Features Sonic Holography circuitry; 6DJ8 tubes; Wonder Caps; wide circuit traces; no ICs in primary signal path. Dual external processor loops; 5 inputs including MM and MC phono and CD direct; dual tape-monitor loops with dubbing; individual L/R tone controls with variable turnover; headphone output with speaker-defeat switch; subsonic filter; phase switch. FR 1-60,000 Hz -0.3 dB; THD 0.07%; MM phono sens 1.5 mV; MM phono S/N 86 dB; MC phono S/N; max output 7 V, 12 lb ..... \$1,000

### CT-17 Preamplifier/Tuner

Combination asymmetrical charge-coupled detection AM/FM tuner and preamplifier with Sonic Hologram Generator. Preamplifier features Dolby Pro Logic 5-ch surround-sound processor with rear volume, hall and stadium ambient effects; 7 inputs including CD direct, MM phono input; 2 video sound; simulated-stereo synthesis for mono video; 3-way tone controls; dual tape monitors; high-cut filter; remote control with separate input/record selector and extra remote volume control for room-to-room capability. Tuner features 20 AM/FM presets with preset scan; stereo/mono; auto/manual controls. Preamplifier section: FR 1-60,000 Hz  $\pm$  0.3 dB; THD 0.01%; max output 7 V. Tuner section: quieting sens 36.1 dBf; stereo sens 20.1 dBf; cap ratio 1.4 dB; AM suppression 73 dB; alt-ch sel 58 dB; FM THD 0.02%; S/N 79 dB. 16 lb. \$800

### CT-16 Sonic Holography Preamplifier

Preamplifier with Sonic Hologram Generator. Features 5 inputs including MM and MC phono; dual external-processor loops; dual tape-monitor loops with dubbing. L/R tone controls with variable turnover; headphone output with speaker-defeat switch. FR 1-60,000 Hz -0.3 dB; total harmonic distortion 0.01%; max output 7 V, 6 lb ..... \$750

### CT-11 Sonic Holography Preamplifier

Preamplifier with Sonic Hologram Generator. Features video sound Precognition circuit; 5 inputs including MM and MC phono; external-processor loop; dual tape-monitor loops with dubbing. L/R tone controls with variable turnover; loudness EQ; headphone output with speaker-defeat switch; subsonic filter; adjustable MM phono capacitance. FR 1-60,000 Hz -0.3 dB; THD 0.05%; max output 7 V. 6 lb \$580

## Pro-Phile Series

### CT-6 Sonic Holography Preamplifier/Tuner

Features asymmetrical charge-coupled FM circuitry. 20 random AM/FM station presets; FM mono; preset scan; auto-scan/manual tuning; 3-level signal-strength indicator; 4 audio inputs; 2 tape inputs w/dubbing; MM phono input; bass, treble, and loudness equalization; balance control; motorized volume control; headphone jack; 28-button remote control. Preamp section: FR 20-20,000 Hz  $\pm$  1 dB; THD 0.1%; signal-to-noise ratio 74 dB A-weighted. Tuner section: IHF sensitivity, mono 10.3 dBf, stereo 21.3 dBf; AM rejection 74 dB; capture ratio 1.5. 19 x 1 1/4 x 10 in ..... \$550

### C-5 Sonic Holography Preamplifier

Dual-zone preamplifier. Handles 2 different output signals simultaneously, one for remote sound system. 6 audio inputs; 2 tape inputs w/dubbing; MM phono input; bass, treble, and loudness equalization; balance control; motorized volume control; headphone jack; 33-button remote control; mini-phone remote-sensor input for infrared relay system. Frequency response 20-20,000 Hz  $\pm$  1 dB; THD 0.1%; signal-to-noise ratio 74 dB A-weighted. 19 x 1 1/4 x 10 in ..... \$450

## CELLO

### 1003-00 Encore Preamplifier

Features universal phono section; gain 36 dB, 46 dB, 60 dB; loading 49k, 10k/220 pF, 1k/.02 pF; balanced line input (optional); 8 single-ended line inputs; buffered tape outputs; balanced line out; plus 2 single-ended line outputs; choke-input power supply; phase switch; 2 tape monitors; with phono ..... \$8,000  
Without phono ..... \$7,500  
Encore Phono Modules ..... \$800/pr

## Audio Suite

Modular system built around an open-architecture mainframe that accepts up to 10 slide-in vertical modules (listed below). Mainframe houses modules including mic preamp/mixers, tape-head recording and mastering amplification, digital-to-analog converters, and monitor amps for headphones or speakers. Can control multiroom and multimedia systems.

P101. MC phono input	.....	\$3,500
P301. Output	.....	\$3,200
P201. CD input	.....	\$2,500
P201. DAT input	.....	\$2,500
P201. Digital processor input	.....	\$2,500
Master Power Supply, 120 V AC	.....	\$2,400
P100. MM phono input	.....	\$2,000
P100. High-gain MM phono input	.....	\$2,000
1002. Mainframe chassis	.....	\$1,800
B301. Output	.....	\$1,800
P200. Tape input	.....	\$1,500
P200. CD input	.....	\$1,500
P200. Tuner input	.....	\$1,500
P200. Aux input	.....	\$1,500
P200. Video input	.....	\$1,500
P200. DAT input	.....	\$1,500
B100. MM phono input	.....	\$1,500
B100. MC phono input	.....	\$1,500
B200. RCA line input	.....	\$800

# PREAMPLIFIERS

## Accessories

Blank bay assembly .....	\$75
Blank front plates .....	\$50
Blank rear plates .....	\$25

## CONRAD-JOHNSON

### Premier Seven Tube Preamplifier

Vacuum-tube preamp with FR 2-100,000 Hz and 0.25% THD. Two tape-processor loops and moving-coil input ..... \$8,950

### Evolution 20 Tube Preamplifier

Two all-tube mono preamplifiers with separate power supplies combined in single chassis. Features zero-feedback design comprising three gain blocks per channel: two in the phono section and one in the line stage; 8 discrete regulated DC power supplies. Internal signal-path wiring is solid silver. Gain (phono) 40 dB, (line) 25 dB; max output 20 V rms; THD <0.5% at 1.0 V output; FR 2-100,000 Hz; output imp <200 ohms; tube complement: two 6CW4 nuvistors, eight 6GK5 single triodes. 19 x 7 x 15 1/4 in; 37 lb ..... \$4,995

### PV9 Tube Preamplifier

Uses low-noise precision metal-film resistors, polystyrene capacitors in audio circuitry. Facilities for 2 tape recorders; 2-way dubbing; phono, tuner, AUX inputs; 2 amp outputs; front-panel mute control. FR 20-20,000 Hz  $\pm$  0.25 dB phono; S/N 70 dB below 10 mV phono, 84 dB below 2.5 V high level output; THD 0.05%; IM 0.05%; gain 40 dB phono, 29 dB high level; max output 25 V; phono overload 500 mV at 1 kHz; 14 x 4 1/4 x 11 1/4 in ..... \$2,950

### PV11 Tube Preamplifier

Uses cathode follower outputs and solid-state voltage regulator designed for minimal AC imp; regulated filament power supplies. Audio circuits features 1% tolerance, mil-spec-deposited tin-oxide resistors; capacitors are polystyrene; volume control tracks within 0.5 dB; auto muting at turn-on, turn-off; 2 tape-recorder loops with 2-way dubbing; 5-function mode switch. Max output 40 V rms; FR 2-100,000 Hz; THD <0.5%; IM <0.5%; hum and noise (20-20,000 Hz); phono 72 dB below 10 mV input, high level 84 dB below 2.5 V output; output imp <200 ohms; 16 x 3 3/4 x 10 in; 15 lb ..... \$1,685

### PF1 Preamplifier

All FET-design with distortion-canceling circuit. All audio circuit and power-supply capacitors are polypropylene or polystyrene; precision metal-film resistors throughout. Input for phono, tuner, CD, tape 1, tape 2. FR 2-75,000 Hz  $\pm$  0/-3 dB; max output 10 V; THD 0.1%; IM 0.1%; line gain 21 dB; phono gain 40 dB. 19 x 3 1/2 x 12 1/2 in; 15.5 lb ..... \$1,295

### PV10 Tube Preamplifier

Uses zero-feedback circuits in both line and phono stages. Features 2 triode amplifiers separated by passive RIAA EQ network; five vacuum tubes; discrete regulated power supply with polypropylene and polystyrene capacitors. Phono plus 5 line inputs; 1 tape loop; balance bypass switch <0.1% THD or IM; hum and noise (20-20,000 Hz); phono 72 dB below 10 mV input, line stage 84 dB below 2.5 V output; output imp <500 ohms. 16 x 11 x 3 3/4 in ..... \$995

## CONVERGENT AUDIO TECHNOLOGY

### SL-1 Preamplifier

All vacuum-tube design. Features twelve separate regulators, one for each stage; adjustable

loading; external power supply; switched metal-film resistors for volume and balance controls. Inputs for MM phono; MC phono; tape; aux; CD; tuner; video. FR 0.1-1 MHz  $\pm$  3 dB; S/N 90 dB; THD 0.0005%; MM phono sens 0.125 mV for 0.5 V output at 1,000 Hz; MM phono input overload level 250 mV at 1,000 Hz; sens for line-level inputs 25 mV. 19 x 5 1/4 x 12 1/2 in; external power 1 1/8 x 4 1/4 x 6 in; 28 lb.. \$4,500

## COUNTERPOINT

### SA-11 Line-Level Tube Preamplifier

Full-featured line-level control center includes industrial-grade stepper motors to control 2 custom-built 41-position attenuators. Features full vacuum-tube power supply and audio circuitry; wireless remote control; isolar design for max isolation and linearity. Inputs for tape; tape 2; aux; CD; tuner; video. FR 1.5-70,000 Hz; THD 0.02% max; S/N 82 dB at 500 mV, 1,000 Hz; 17 x 7 3/4 x 20 in; 55 lb ..... \$6,995

### SA-5000 Hybrid Preamplifier

Tube/solid-state preamp uses tubes for all major audio amplification. Separate-chassis regulated tube power supply. Absolute phase control; phono stage with RIAA EQ; buffered output enable/disable. Inputs for MM phono, MC phono (user adjustable J-FET gain stage), tape, tape 2, aux, CD, tuner. FR 4-60,000 Hz,  $\pm$  0.1 dB; THD 0.01%; 19 x 4 1/2 x 12 1/2 in; 39 lb ..... \$3,295  
SA-3000. Similar to above. FR 8-40,000 Hz,  $\pm$  0.1 dB; 22 lb ..... \$1,895  
SA-2000. Similar to above, without RIAA phono stage. EQ. 19 x 4 1/4 x 12 1/2 in; 22 lb... \$1,495

### SA-2 Tube Preamplifier

Features two 6DJ8 vacuum tubes per channel. Utilizes four tubes as rectifier, pass device, reference voltage, and error amplifier. Bias control; inputs for MC phono. FR 0.5-350,000 Hz; THD variable as a function of bias control; S/N 93 dBA; 19 x 2 x 11 1/4 in; 16 lb ..... \$1,145

### SA-1000 Preamplifier

Features three-tube/solid-state hybrid circuitry. Preamp with inputs for MM/MC phono, tape, CD player, tuner. FR 2-170,000 Hz,  $\pm$  0.1 dB; THD 0.065%; S/N 83 dBA at 10-500,000 Hz; 19 x 4 1/2 x 12 1/2 in; 20 lb ..... \$835

### Soid-8 Preamplifier

Line-level FET preamplifier without RIAA phono stage. 6 line, 2 tape inputs w/dubbing. FR 1-500,000 Hz  $\pm$  1 dB; THD 0.03%; S/N 87 dB. 19 x 2 1/4 x 10 in; 14 lb ..... \$595

## DB SYSTEMS

### DBR-15B/2A Preamplifier System

Rack-mount preamplifier with power supply. Combines DB-1B and DB-5 in a 19-in rack unit; tone control; auxiliary cable included.... \$985  
With oak cabinet ..... \$1,135

### DB-1A/2A Preamplifier System

Features separate DB-2A regulated power supply; gold-plated jacks; Alps 80-dB tracking volume control. THD  $\pm$  0.0008% from 20-20,000 Hz; IM 0.001%; FR phono 10-40,000 Hz  $\pm$  0.07 dB, high-level 2-50,000 Hz  $\pm$  0, -1 dB; S/N 89 dBA phono, 90 dBA line. Filters: low-cut flat, 20 Hz, 36 Hz at 6 dB/octave phono only, high-cut flat, 5 kHz, 10,000 Hz at 6 dB/octave; output imp 1 kilohm; max output voltage 6 V into 10 kilohms/3,000 pF; input sens for 1 V output: phono 2 mV into 50,000 ohms/100 pF, high-level 120 mV into 50 kilohms. 3-year warranty. 8 1/2 x 3 1/4 x 7 in ..... \$495  
DB-1B/2A. DB-1A with low-noise high-level stage (-94 dB ref 1 V). Features reduced crosstalk; gold-plated jacks; tight tracking volume

control; solid-oak cabinet with hand-rubbed tung-oil finish. 12 x 3 3/4 x 7 in ..... \$700  
DBR-1B. Same as DB-1B; mounted in 19-in rack. Includes DB-2 A power supply .... \$645  
DB-1A-HL/DB-2A. Similar to DB-1A with 5 high-level inputs and no phono section. Features Alps 80-dB tracking volume control; gold-plated jacks. FR 1-250,000 Hz  $\pm$  3 dB; S/N 92 dB; THD 0.0006%; sens for line-level inputs 120 mV. 3-year warranty ..... \$375  
DB-1B-HL/DB-2A. Similar to DB-1A-HL with lower noise (-94 dB ref 1 V); Features reduced crosstalk; gold-plated jacks; tight tracking volume control; loudness-compensation switch; and solid-oak cabinet with hand-rubbed tung-oil finish ..... \$530

## Updates and Modifications

### DB-1A to DB-1B

Includes new lower-noise high-level stage, Alps 80-dB tracking volume control, 6 dB better ch sep, all gold-plated jacks, solid-oak cabinet with new front panel and warranty extension to 3 years ..... \$200  
Install Alps 80-dB volume control on DB-1A, DB-1A-HL, or DB-1B ..... \$65  
Install gold-plated jacks on DB-1A ..... \$40

### DB-1/DB-2 to DB-1A/DB-2A

Improved RIAA phono stage (0.04 dB); complete retest. Upgrade includes gold-plated phono input jacks and diamond-cut solid-aluminum knobs ..... \$70

DB-2A. Features lower output impedance, 12 dB less ripple, and a soft turn-on circuit .. \$15

## dbx

### CX-3MkII Preamplifier

Controls video or audio system with 2, 3, 4, channels. Features isolated audio and video circuits; Dolby Surround Sound circuitry; MM/MC; record-output selector; simulated stereo for mono soundtracks; 2 tape decks, 2 video decks, CD, tuner, videodisc inputs; remote. .... \$799

## DENON

### DAP-5500 Preamplifier

Preamplifier with digital section featuring 4x-oversampling filter and push-pull Super Linear Converter system; separate digital and analog chassis; 3 digital inputs (one optical, 2 coaxial); coaxial digital tape-monitor loop; optical isolators; D/A converter output jacks. Audio section features unity-gain interface amplifier; cannon-type input/output; 2 RCA line-inputs; 1 RCA line out. front-panel mounted RCA input/output jacks; two tape-monitor loops; source-direct switch; separate power supplies for digital and analog sections; nonresonant, vibration-resistant chassis. 17 1/8 x 5 1/4 x 15 in .... \$1,500

### DAP-2500 Digital Preamplifier

Preamplifier with digital section featuring 4x-oversampling filter and 4 push-pull Super Linear converter system; 2 digital inputs (1 optical, 1 coaxial); coaxial digital tape-monitor loop; optical isolators; D/A-converter output jacks. source direct switch; MM/MC preamplifier; 2 video inputs; 1 video output; system remote control for Denon power amps ..... \$1,000

### PRA-1500 Preamplifier

MM and MC phono inputs. Features unity-gain interface amplifier, 2 tape-monitor loops; source-direct mode; balanced output connections; 2 video inputs; 1 video output; mono wideband and subwoofer outputs. Includes Denon system remote control and remote power control for Denon power amps ..... \$500

# PREAMPLIFIERS

## DISCRETE TECHNOLOGY

### LS III Preamplifier

Solid-state preamplifier with high-current supply. Features aluminum rack-mountable enclosure; designed for one of 3 different amplifier modules; direct-coupled circuit; volume and power controls; switchable cartridge loading; switchable gain; Distech cable; modular construction; low-impedance main outputs. With MC amplifier ..... \$2,995  
With phono-amplifier module ..... \$2,495  
With line-amplifier module ..... \$1,895

## ELECTROCOMPANET BY MUSIC AND SOUND IMPORTS

### EC-1A Preamplifier

Class A design featuring two-stage passive RIAA network using 1% metal-film resistors and 1% polypropylene film capacitors. FR 20-20,000 Hz; THD (phono) <0.0025%, (line) <0.003%; ch sep >90 dB. 17¼ x 3½ x 10¼ in; 13 lb ..... \$1,795

## ENCORE

### DL 2010.1 Preamplifier

Features vacuum tubes for voltage amplification of phono and line stages; solid-state switching for connection of signal inputs to circuit; internal filtering and surge protection of power source; all-aluminum chassis; gold-plated input/output jacks; glass epoxy circuit board. Six inputs, operate/standby switch to reduce power consumption; blue LED indicators. Bandwidth 5-65,000 Hz ± 1 dB; gain 40 dB for phono, 10 dB for line at 1,000 Hz; phono input imp 47 kilohms selectable between 1, 100, 200, or 300 pF; tuner, aux, tape input imp 50 kilohms; CD input imp selectable between 20, 50, or 100 kilohms; THD < 0.025%. 19 x 4¼ x 15 in; 15 lb ..... \$1,995  
DL 2010-L.1. As above, no phono stage \$1,695

## FORTE AUDIO

### Model 2 Preamplifier

Dual-channel, noninverting hybrid topology, low-noise, matched integrated gain devices enhanced with discrete pure Class A biasing, active constant-current sourcing, and imp buffering. Accepts input from high- and low-output MC and MM cartridges; 4 high-level sources and tape recorder. Record/monitor facilities for recorder allow listening to one source while recording another; internal selection of resistive and capacitive cartridge loading; selectable cartridge gain of 40, 50, 60 dB. External power supply; gold-plated signal connectors; glass-epoxy circuit boards. THD <0.02% at 3 V; noise < 100 dBA referenced to 1 V input; gain +20 dB; input imp 25,000 ohm; output imp 470 ohms. 19 x 1¼ x 7 in ..... \$1,100

## GOLDMUND BY INTERNATIONAL AUDIO

### Mimesis 2 Preamplifier

Features all relay-operated functions driven by zero-consumption, zero-radiation circuit; balance control; mono/stereo switch; 5 line inputs; phase inverter; optional phono stage; mute switch; 2 power-supply outputs; full remote-control capability; 2 grounding and earthing lugs; main-line polarity switch. FR 0-150,000 Hz ± 0.1 dB; S/N >85 dB; ch sep >90 dB. 19 x 1¼ x 15½ in; 17.6 lb ..... \$7,890  
without phono stage ..... \$6,290

### Mimesis Preamplifier

Features 1 phono input; 3 line-level inputs; 2 full tape loops; optional 4th-line input instead of

phono stage; phase switch; muting switch; self-adjusting MC phono input. FR 0-850,000 Hz ± 3 dB; S/N >95 dB; Ch sep >90 dB. 19 x 1¼ x 12¾ in; 13.2 lb ..... \$4,490  
without phono stage ..... \$3,990

## HAFLER

### Iris Preamplifier

Integrated system with pure FET Class A design utilizing C-MOS switching and a passive fiber-optic volume/balance control. 5 high-level inputs, two tape inputs; external-processor loop, and patented MM/MC phono stage; outputs: record 1, record 2, external-processor out, line; knob-control remote. FR 20-20,000 Hz ± 0.1 dB; THD 0.005% line, 0.002% MM, 0.009% MC; S/N MM -87 dBA, MC -80 dBA, 94 dBA line; 17 x 3 x 8½ in; 9 lb ..... \$900  
Without remote ..... \$700



Hafler Iris

### SE-100 Preamplifier

All-discrete J-FET devices in the signal path; low-impedance power supply; power-on delay circuit; optional MM/MC high gain; tape loop features buffering. Volume, balance, bass, treble controls; tone-defeat switch; headphone jack; 2 line-output switches; inputs: tuner, CD, video, aux/phono, and tape outputs: tape out and 2 line. FR 20-20,000 Hz ± 0.1 dB; THD 0.005% line, 0.002% MM, 0.009% MC; signal-to-noise ratio: MM 87 dB, MC 80 dB ..... \$399  
Optional phono board ..... \$100

## HEATH

### APW-2510 Preamplifier

RIAA equalization circuitry. Features MM/MC switch; subsonic and high-cut filters; tape-copy selector for dubbing between two tape decks or recording from another input; tone defeat; switchable bass/treble turnover frequencies; 6 inputs. FR 0.1-180,000 Hz; THD 0.006%; S/N 83 dB MM phono, 80 dB MC phono, 92 dB aux, 92 dB tape. 17½ x 4 x 13¼ in; 16 lb ..... \$200  
AP-2150. Unassembled kit; 19 lb ..... \$175

## HEYBROOK BY D'ASCANIO AUDIO

### C-3 Preamplifier

Hand-assembled preamplifier features special circuitry for CD input to prevent overloading; aluminum chassis; rear-panel power switch. Inputs for moving-magnet and moving-coil phono, tape, aux, CD player, tuner, and video. FR 10-50,000 Hz ± 3 dB; MM phono sens 85 mV for 0.5-V output at 1,000 Hz; line-level sens 160 mV. 17 x 3 x 13 in; 8 lb ..... \$798

## HTG BY MUSIC & SOUND IMPORTS

### DCC-1 D/A Preamplifier

Features 8x oversampling 18-bit converter. Upgradable DAC's and filtering; separate power

supply for analog and digital section. Video switching with Super VHS compatibility; 7 line inputs; 3 digital inputs; switchable gain stage; can record one source while listening to another; optional balanced outputs; optional remote control ..... \$1,195  
ACC-1. Same as above w/o digital stage . \$695

## JRM

### PEM Preamplifier/Equalizer/Mixer

Disco-type mixer made up of JRM preamplifier and remote unit with cross-fade for master and cue bus. Features 3 phono, 3 tape, 3 aux, 2 mic, tuner, bus expander; defeat mic record; 3-band A/B pre-EQ; 6-band master EQ; 4-band monitor EQ; 2-band mic and headphone EQ; 10-step bi-modal LED readout; buffered outputs: 3 tapes, 2 main, 2 monitor, 2 mono, 2 headphone jacks. 13 x 3 x 18 in ..... \$2,200

### JRM Preamplifier

MM and MC phono inputs. Features all polypropylene capacitors; gold-plated electromechanical devices; 2-stage RIAA ± 0.1 dB conformity. Separate input select for main, record and out; inputs for tuner, 2 tapes, aux; 18 dB subsonic filter; 10 W/ch headphone amplifier. 10 V max output; S/N MM 87 dB, MC 76 dB; slew rate 20 V/μsec; THD 0.001%; FR 0-50,000 Hz -1 dB. 19 x 8½ x 2¼ in ..... \$675

## KENWOOD

### L-100C Preamplifier

MM/MC phono selector. Features 6 inputs: 1 balanced, 2 line, 2 tape, 1 phono; 4 outputs: 1 balanced, 1 RCA preamp, 2 tape; motor-driven volume control; LED indicators; remote control. Frequency response 5-100,000 Hz +0, -3 dB; total harmonic distortion 0.003% at 1 V; signal-to-noise ratio 85 dB (phono), 100 dB (unbalanced). 17¼ x 3¾ x 15¾; 19.8 lb ..... \$1,100

### Basic-C2 Preamplifier

MM/MC phono and impedance selectors. Features phono EQ amplifier with single negative feedback loop; super-coupled volume control for low noise; 4-way filter system. 2-way tape dubbing with monitoring; source (rec out) tape selector; 2 aux/video inputs; loudness switch; mono/stereo switch; headphone jack with level control; LED indicators. Frequency response 1-350,000 Hz +0, -3 dB; total harmonic distortion 0.001% at 1 V; signal-to-noise ratio 110 dB (main), 94 dB (MM), 70 dB MC. Dimensions: 17¼ x 3 x 12¾ in; 9.9 lb ..... \$329

## KINERGETICS

### KDP-100 Digital Preamplifier

Line-level preamp with AES/EBU standard interface; 8x-oversampling DSP; four 18-bit D/A converters; 2 digital inputs; 4 analog inputs; 2 video inputs. Features rhodium-plated RCA jacks. 12 separate power supplies, full dual-mono circuitry ..... \$1,895

### KPA-2 Preamplifier

Line preamplifier with patented hysteresis distortion-canceling circuits. Features dual-mono with 2 toroidal transformers; 1 processor loop; servo loop to eliminate DC offset; no capacitors in signal path. 7 audio inputs; 1 tape output; 1 positive and 1 inverted output. Slew rate 60 V/μsec; 19 x 3¾ x 12¾ in; 12 lb ..... \$995  
KPA-2 Phono Option. Add-on to KPA-2. Dedicated to phono-cartridge gain applications. Features military-grade epoxy circuit boards; patented hysteresis distortion-canceling circuits. MM/MC capability; gain and cartridge loading; adjustable with internal dip switch ..... \$445

# Some people can never leave well enough alone.



Optional: RM-3 rack-mount adapters; white front panel & knobs

Shortly after it was introduced, the Adcom GFP-555 preamplifier won widespread critical acclaim for outperforming other preamps costing two and three times more.

Never satisfied to rest on its reputation, Adcom has upgraded this superior product to make it better than ever. Born from the lineage of the affordable GFP-555 and inspired by the no-compromise GFP-565, the new GFP-555 II, together with any of Adcom's power amplifiers, will provide the serious music listener with a new, higher level of musical performance at a very reasonable cost.

## Superior Dynamics

By increasing the size of its power supply and by lowering the output impedance, musical contrasts are dramatically detailed and lifelike.

Adcom's new custom-designed linear gain amplifiers are many times faster than the frequency components in musical signals, easily meeting the demands of the latest digital recording technologies.

A new tone control circuit has also been created for greater symmetry. And for audio purists, the tone controls are out of the signal path except when needed.

Altogether, these improvements deliver the thrill of an emotionally satisfying, live performance.

## Improved Performance Features

The new GFP-555 II has been enhanced by several improvements:

1. A front panel control for easy and instant use, on demand, of signal processors.
2. 1% Roederstein resistors and film capacitors to reduce noise and distortion to inaudible levels.
3. Front panel, six-source input controls allow listening to one source while recording another.
4. Choice of two outputs: MAIN allows the use of tone controls and filters with the protection of coupling capacitors; or BYPASS (the purist's approach), a direct coupled output for the shortest, simplest gain path.

## A Better GFP-555 or a Less Expensive GFP-565?

The GFP-555 II is both. Designed to take the place of the highly successful GFP-555, it is actually an ingenious, less costly version of the GFP-565, with undiminished musicality and sonic impact.

Ask your authorized Adcom dealer for a demonstration of this remarkable stereo component. You'll be glad that Adcom can never leave well enough alone.

**ADCOM**<sup>®</sup>  
details you can hear

# PREAMPLIFIERS

## KLYNE AUDIO ARTS

### 7PX RIAA Phono Preamplifier

Stand-alone phono preamplifier with external power supply. Can be used with line-level preamp, digital preamp with an analog line-level input, or with passive switchbox/controller. Bandwidth 0.5-150,000 Hz; input imp adjustable 100-47 kilohm, output imp 300 ohm. Finish with black-stained lacquered oak sidebar, anodized, black, platinum, or gold faceplate; black polyurethane paint for chassis. 19 x 2½ x 11¼ in. preamp 20 lb; and power supply 3.4 lb ..... \$2,750

### System Six Preamplifier Series

**6LX.** 6 high-level inputs and optional user-installable phono boards. Features external power supply; independent listen and record circuitry; inputs for phono, CD/aux, tape 1, tape 2, video/aux. Output imp 300 ohms; input imp phono 0-47,000 ohms. 19 x 2½ x 11½ in; 10 lb ..... \$2,450  
**6L.** Similar to 6LX without external power supply ..... \$1,750  
**6PX.** Similar to 6LX with phono board for MC cartridges ..... \$995  
**6P.** Similar to 6LX with phono board featuring adjustable gain ..... \$595

## KRELL

### KBL Preamplifier

Fully discrete, DC-coupled, Class A line preamplifier with dual-mono, double-regulated external power supply. Two balanced inputs, balanced output; 6 selectable high-level inputs ..... \$4,250

### KSP-7B Preamplifier

DC-coupled, Class A preamplifier with double-regulated external power supply. Features selectable phono MM/MC gain and impedance matching; 4 high-level inputs, 1 phono input, 1 tape-loop input ..... \$2,700

### KSL Preamplifier

Fully discrete, Class A preamplifier with double-regulated power supply. Features two balanced inputs, one balanced output; 4 selectable high-level inputs, 1 tape loop, optional phono input ..... \$1,800

## LAZARUS

### Balanced Deluxe Hybrid Preamplifier

Features balanced differential circuitry; separate chassis and power supply for balanced differential circuitry; hybrid circuitry features tubes and FET's; phono stage for low-output moving-coil cartridge. Six inputs; volume control with balance attenuators; AC power/standby switching; auto-muting function; six-position record selector; XLR output connectors; Tiffany jacks for phono inputs, CD inputs and main outputs. Sens 0.2-mV; input overload (phono) 100 mV; input overload (line) 25 V; noise -85 dB at 2 mV input; output imp 10 ohm ..... \$1,985

### Balanced Classic Hybrid Preamplifier

Features balanced differential circuitry; two separate chassis and power supply for balanced differential circuitry; hybrid circuitry features tubes and FET's. Six inputs; volume control with balance attenuators; AC power/standby switching; auto muting function; six-position record selector; XLR output connectors; Tiffany jacks for phono inputs, CD inputs and main outputs. Sensitivity 2.0 mV; input overload (phono) 600 mV; input overload (line) 25 V; signal-to-noise ratio -85 dB at 2 mV input; output impedance 10 ohms ..... \$1,695

### Cascade Deluxe Hybrid Preamplifier

Hybrid design with vacuum tubes and FET's. Features MC input; 6 inputs; full switching capability; auto muting; front-panel mute; power switching; Tiffany connectors for phono, CD, and main outputs; slim-line chassis; black, anodized aluminum chassis; switchable phono loading; output overload 75 V; line input overload 25 V; phono overload 300 mV; sens 1.5 mV; noise -80 dB at 2 mV input; output imp 600 ohm ..... \$1,200

### Cascade Classic Tube Preamplifier

Vacuum-tube preamp. Features 6 inputs; auto muting; front-panel mute and power switching. Other features similar to the above. Output overload 75 V; line input overload 25 V; phono overload 300 mV; sens 1.5 mV; noise -80 dB at 2 mV input; output imp 600 ohms ..... \$950

### Cascade Basic Tube Preamplifier

Tube design with inputs for MM phono; tape; tuner. FR 10-32,000 Hz ± 3 dB; S/N 90 dB; THD 1.2%; MM phono sens 1.5 mV for 0.5-V output at 1,000 Hz; MM phono input overload level >250 mV at 1,000 Hz; sensitivity for line-level inputs 50 mV; 8 lb ..... \$650

## LINN

### LK1 Preamplifier

Microprocessor-controlled preamplifier with independently adjustable input-level matching. Features keyboard lockout; all switching and level adjustments electronic on board; remote control. Inputs for MM and MC phono; tape; tape 2; aux; tuner. 10½ x 3 x 10½ in; 9 lb ... \$1,495

## LUXMAN

### TP-117 Preamplifier/Tuner/Remote Controller

Dual preamps in one chassis provide independent source selection and volume control for two sets of components. Features RF TV modulator; separate regulated power supplies; AM/FM tuner with computerized tuning and 4-stage FM front end. 20 AM/FM station presets with auto-seek tuning; cable FM fine tuning (25 kHz steps); motor-driven volume controls with auto preset; multifunction remote control; pre-out/signal processor jacks; video switching with buffer amplifiers; CD-direct input. Amp section: FR 20-20,000 Hz ± 0.5 dB; THD 0.006%; S/N 86 dB (phono), 96 dB (CD/tape/video). FM section: 50-dB quieting sens 38 dBf (stereo); cap ratio 1.5 dB; alt-ch sel 68 dB. AM section: S/N 50 dB. 17¼ x 4¾ x 13 in; 11.4 lb ..... \$1,250

### TP-114 Preamplifier/Tuner

Features Duo-Beta feedback circuitry. Star-circuit layout topology; voltage-driven amplification. 20 random-access AM/FM station memories; auto-seek; preset scan AM/FM tuning; cable ready FM fine tuning; multifunction remote control; motor-driven volume control; system remote-control capabilities; remote repeater output; local/remote sensor selector; fixed-level pre-out jacks; phono/aux input switching. Preamp section: FR (phono) 20-20,000 Hz ± 0.5 dB, (line) 5-160,000 Hz ± 3 dB; S/N (phono) 78 dBA, (line) 95 dBA; THD 0.008% at 1 V output. Tuner section: 50-dB quieting sens (mono) 14.8 dBf, (stereo) 38 dBf; capture ratio 1.5 dB; alt-ch sel 65 dB; FR 30-15,000 Hz -1.0 dB; S/N (mono) 77 dBA, (stereo) 72 dBA. 11.2 lb ..... \$450

## MADISON FIELDING

### CA 700P Preamplifier/Equalizer

Features 7-band, 24-step digital EQ; electronic volume control; digital remote control; on-board microprocessor. FR 20-20,000 Hz; THD 0.01. 19 x 3½ x 14¼ in ..... \$1,200

## MARK LEVINSON BY MADRIGAL

### No 26 Preamplifier

High-gain preamplifier with matrix-style IC switching. Features hermetically sealed silver contacts with gold plating; 6 line-level inputs; CD, tuner, aux-1, phono/aux-2, tapes 1 and 2; 2 tape inputs; nonbuffered tape outputs; absolute phase of main outputs; stereo/mono operation selectable on front panel; independent switchable gain for each channel; internal-gain adjustment switches for each channel, gain 6, 12, or 18 dB at the unbalanced output, 12, 18, or 24 dB at the balanced output; dual-mono design. PLS-226 chassis with 3 power supplies, 2 for unregulated DC current for 2 audio channels, 3rd supplies power to relay control circuit; two toroidal transformers; Faraday shields said to reduce AC line coupled noise; 9 gold-plated contacts for connecting cable; 4 discrete, independent regulators; 3-pin Neutrik XLR connectors; all-aluminum chassis. Output imp 40 ohms; line input imp 14,000 ohms; phono input imp MC 825 ohms, MM 47,000 ohms; phono gain: MM 38/44 dB, MC 58/64 dB. Preamp: 17½ x 2¼ x 13¼ in; PLS-226 7¾ x 2¼ x 13¼ in; 32 lb \$5,295  
 With low-gain phono ..... \$5,215  
 Without phono ..... \$4,470

## MCINTOSH

### C-34V A/V Preamplifier

A/V control center with compander system for controlling dynamic range. Features inputs for videodisc, tape 1-3, VCR 1 and 2, TV, tuner, and phono; 3 switched, 2 unswitched outlets in rear; provision for 2 sets of speakers; record and listen selectors; 5-band equalizer. Preamp section: Frequency response 20-20,000 Hz +0, -0.5 dB; total harmonic distortion <0.01%; signal-to-noise ratio phono 90 dBA, high level 100 dB. Amplifier: 20 watts/ch with 0.01% maximum total harmonic distortion; FR 20-20,000 Hz +0, -0.2 dB; S/N 100 dBA. 16¾ x 5½ x 13 in; 26 lb ..... \$2,349

### C-35 A/V Preamplifier

Features pair of cascaded FET's to operate input-switching system; nine inputs for CD, videodisc, TV, tuner, phono, aux 1, aux 2, VCR/T1, VCR/T2; tape-monitor switches for two audio tape recorders; loudness control; five-band equalizer; headphone jack; frequency response 20-20,000 Hz +0, -0.5 dB; total harmonic distortion <0.007%; signal-to-noise ratio phono 90 dB, high level 105 dB ..... \$1,995

## MELOS

### MA-222B Hybrid Preamplifier

Dual-mono construction with dual toroidal transformers. Features heavy-aluminum chassis; zero-feedback circuitry; 10 regulated power supplies; gold-plated connectors; inputs for 2-CD's, phono, tuner, 2 aux; 2 tape-monitor loops; 3 main outputs; phase-reversal switch. Phono gain 65 dB; frequency response 2-300,000 Hz ± 1 dB; total harmonic distortion 0.07%; impedance 20 ohms; maximum overall gain 85 dB ..... \$3,395

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. Manufacturers' addresses and phone numbers are listed in the directory beginning on page 231.



# PREAMPLIFIERS

## MA-111 Hybrid Preamp

Features heavy-aluminum chassis and external toroidal power supply. FR 2-300,000 Hz  $\pm$  1 dB; THD 0.07%; max gain 67 dB; line gain 27 dB ..... \$1,195

## MA-110 Hybrid Preamp

1 processor loop. FR 2-300,000 Hz  $\pm$  1 dB; THD 0.07%; max output 22V ..... \$995

## MERIDIAN

### Model 603 Preamp with D/A Converter

Features D/A conversion through 256x oversampling, dual-differential PDM bit-stream circuitry. Automatically matches source sampling rate (32 or 48 kHz); passive differential analog filtering; connected two-box chassis eliminates electrical interference, digital audio, computer control circuits and power supplies in one box, D/A converters and analog audio circuitry in other; 8 regulated power supplies, 64-step discrete FET electronic volume control; two coaxial digital and two optical digital inputs; three analog inputs; remote control. SN 106 dBA. Black anodized finish with glass front and gold control keys. 12 $\frac{1}{4}$  x 4 x 12 $\frac{1}{2}$  in ..... \$2,500

### Model 201 Preamp

Features 6 inputs; tape-to-tape dubbing for 2 decks; full source monitoring capabilities; 64-step volume control; user-programmable mute level and volume offset between sources; MM/MC inputs. Can be externally controlled as part of Meridian Multiroom system. Includes remote control. 12 $\frac{1}{4}$  x 4 x 6 $\frac{1}{4}$  in; 10 lb ... \$1,090

**Model 202 Multiroom Preamp.** As above with 2 independent outputs for Meridian Multiroom systems. Each preamp can independently choose and distribute any of six inputs at its own volume. Dimensions: 12 $\frac{1}{4}$  x 4 x 6 $\frac{1}{4}$  in; 11 lb ..... \$1,390

## MFA

### Luminescence B-1C Tube Preamp

Features discrete circuitry; high current (100 amps); regulated power supply. Phono section: gain 44 dB; THD 0.01%, 1 kHz, 2 V rms out; RIAA accuracy 20-20,000 Hz  $\pm$  0.25 dB. Line section: gain 28 dB; THD <0.015%, 2 V rms out; frequency response 1.5-20,000 Hz; Tube complement: two 6SN7/5692, two 6DN7. 19 x 15 x 3 $\frac{1}{2}$  in, 54 lb ..... \$4,460

### Magus Tube Preamp

Features adjustable gain/output level; remote power unit; steel construction; double-sided pc board; Gold Aero tubes; user-adjustable phono loading. Phono section: gain 42 dB; THD 0.03%, 1 kHz, 2 V rms out; RIAA accuracy 20-20,000 Hz  $\pm$  0.5 dB. Line section: gain 28 dB; total harmonic distortion <0.01%, 2 V rms out; frequency response 3-100,000 Hz; Tube complement: one 6DJ8. 19 x 12 x 2 $\frac{1}{2}$  in, 16 lb .. \$995

## MOD SQUAD

### Deluxe Line-Drive AGT Preamp

Passive system control center for line-level sources; advanced grounding topology (AGT) with star-center grounding throughout; non-ferrous, nonmagnetic chassis. Five line-level inputs and two tape loops; two main outputs wired in parallel for biampification; front-panel input selector with mute position, volume, and balance controls; switchable chassis shielding. FR DC-200,000 Hz +0, -3 dB; THD 0.0001%; input imp 12,000 ohms; output impedance variable; channel separation 86 dB. 16 $\frac{1}{2}$  x 2 $\frac{1}{2}$  x 10 $\frac{1}{4}$  in; 4 lb ..... \$1,095

**Standard.** Same as above, except different interior circuitry ..... \$595

## Phono Drive Preamp

Solid-state hybrid circuitry combining J-FET, bipolar, and MOSFET transistors; optional external power supply; direct-coupled circuitry with proprietary DC servo control; star-center grounding and star-feed power lines; non-ferrous, nonmagnetic chassis. MM and MC cartridges inputs; front-panel-selectable loading for MC input plus internal, user-definable loading option; volume and balance control; direct output. Gain at 1,000 Hz 46 dB (MM), 66 dB (MC); FR 20 > 200,000 Hz +1, -3 dB (MM), FR 20-120,000 Hz +1.0/-3.0 dB (MC); THD 0.06% (MM), THD 0.08% (MC); S/N -80 dBA (MM), -66 dBA (MC). 16 $\frac{1}{2}$  x 2 $\frac{1}{2}$  x 10 in; 11 lb ..... \$1,495

## MOTIF BY CONRAD-JOHNSON

### MP11 Preamp

All-FET design with RIAA equalization plus gain for MM and MC cartridges. Line-level output. All audio circuits and power-supply capacitors are polypropylene or polystyrene; precision, metal-film resistors used throughout. Inputs for tuner, CD, aux, tape 1, tape 2. FR 2-75,000 Hz +0/-3 dB; max output 10 V; total harmonic distortion 0.1%; IM 0.1%; gain 21 dB. 19 x 12 x 3 $\frac{1}{2}$  in; 15 lb ..... \$2,395

### MC10 Preamp

All-FET design with line-level inputs. All audio circuits and power-supply capacitors are polypropylene or polystyrene. Precision, metal-film resistors used throughout. Inputs for phono 1, phono 2, phono 3. 19 x 3 $\frac{1}{2}$  x 12 in; 15.5 lb \$2,395

## MUSEATEX

### Melior Digital Preamp

Features selectable-fiber optic or coax digital inputs; balanced outputs; polarity inversion; 1 tape and processor loop. THD 0.01%; FR 1-100,000 Hz ..... \$2,250

### PA-61 Preamp

Features external power supply; wireless remote; polarity inversion; moving-coil input; 1 tape and processor loop. Total harmonic distortion 0.01%; frequency response 1-100,000 Hz; high-level sens 500 mV ..... \$2,220

### Melior Control Center Preamp

Features wireless remote; 4 tape and processor loops; moving-coil input. Total harmonic distortion 0.01%; frequency response 1-100,000 Hz; high-level sensitivity 500 mV ..... \$1,950

Outboard phono stage (optional) ..... \$400

## NAD

### Model 1700 Monitor Series Preamp/Tuner

Features external processor loop. IF wide/narrow; 14 AM/FM random presets; motor-driven volume control; semiparametric tone controls; bass equalizer, 2-way tape dubbing. Stereo separation 50-dB; signal-to-noise ratio greater than 80 dB. Includes remote control. Rack mountable ..... \$799

### Model 1600 Monitor Series Preamp/Tuner

Features external processor loop; FM blend; 14 random AM/FM presets; bass EQ; 2-way tape dubbing; includes remote control; rack mountable ..... \$399

### Model 1300 Monitor Series Preamp

Features MC phono preamp; external processor loop; infrasonic filter. Bass EQ; null switch; semiparametric tone controls (bass switchable to 50, 100, 250 Hz, treble switchable to 3,000, 6,000, or 12,000 Hz;  $\pm$  12 dB boost/cut); 2-way tape dubbing. Max output 12 V. Rack mountable ..... \$399

## Model 1000 Monitor Series Preamp

Features external processor loop; bass EQ; MM/MC phono preamp; infrasonic filter; 2-way tape dubbing; rack mountable ..... \$299

## NAIM

### NAC 52 Preamp

Preamp with separate power supply. Features dual-mono construction; rotary potentiometer; separate power supply for each section. Volume control; LED indicators built into controls; remote for all functions. Input sens: MM 2 mV at 47 kilohms; MC 100  $\mu$ V at 470 kilohms; input 2, 3, 4 75 mV at 100 kilohms; main output sens 0.775 V at 47 kilohms; overload margin 40 dB. 16 $\frac{1}{4}$  x 3 x 11 $\frac{1}{4}$  in... \$8,995

### NAC 72 Preamp

Features matched and time-aligned filter. Two tape, tape monitor, two phono, and CD inputs. Input sens: MM 2 mV at 47 kilohms; MC 100  $\mu$ V at 470 kilohms; main outputs 0.775 V at 47 kilohms; overload margin 40 dB. 11 $\frac{1}{4}$  x 3 x 8 in ..... \$1,245

### NAC 62 Preamp

Phono input accommodates different cartridges or high-level boards. Tuner, tape, and auxiliary inputs; mute/monitor switch. Input sens: MM 2 mV at 47 kilohms; MC 100  $\mu$ V at 470 kilohms; main output 0.775 V at 47 kilohms; overload margin 40 dB. 11 $\frac{1}{4}$  x 3 x 8 in ..... \$845

## NAKAMICHI

### CA-7A Preamp

Features wireless remote control of Nakamichi series 7 or 5 components. Features total isolation of digital and analog sections; isolated ground technology; acoustical fine-tuning system; motor-driven volume control; inputs for MM and MC phono, 2 tape, 2 aux, tuner, CD; 2 outputs; multiroom remote control with RS-7 remote sensor. FR 1-100,000 Hz +0, -3 dB; S/N >94 dBA; THD <0.002% at 20-20,000 Hz; 17 $\frac{1}{4}$  x 3 $\frac{1}{4}$  x 12 $\frac{1}{4}$  in; 15.3 lb ..... \$2,595

### CA-5AII Preamp

Features 5 high-level inputs; phono input; copies between 2 tape decks in either direction; recording deck monitors copying procedure; gold-plated inputs and outputs; MM- or MC-cartridge phono input; output level; bass; balance; treble; low-noise FETs; bipolar transistors; multiregulated isolated-ground power supply; S/N >95 dBA; THD <0.002% at 20-20,000 Hz; FR 1-100,000 Hz +0, -3 dB. 17 $\frac{1}{4}$  x 2 $\frac{1}{2}$  x 11 $\frac{1}{4}$  in; 11.3 lb ..... \$1,095

## ONKYO

### Integra Series

#### Grand Integra P-308 Preamp

Features independent, magnetically shielded power supplies for each amplification block. Features short signal-path routing; subsonic feedback loop to cancel DC components; signal in-phase filters to reduce common-mode noise. Defeatable tone controls; switchable Contra-Bass control; high-cut sloping filter position on treble control; 8 inputs including MM/MC phono jacks and 2 front-panel jacks for portable components; dual record-output selector. FR 0.8-170,000 Hz +0, -3 dB; THD 0.0005% (CD); S/N 101 dB (CD). Wood side panels included. 18 $\frac{1}{4}$  x 4 x 15 $\frac{1}{4}$  in; 19 lb ..... \$660

#### Integra P-304 Preamp

Independent, magnetically shielded power supplies for each amplification block. Features Delta power supply with Real Phase transform

# PREAMPLIFIERS

er. Dual record-output selector; adjustable phono gain and load imp; 8 inputs including MM/MC phono jacks. FR 0.8-170,000 Hz +0, -3 dB; THD 0.0005% (tuner, CD); S/N 92 dB (MM). 18 1/4 x 4 x 15 1/2 in; 17 lb ..... \$530

## P-3200 Preamplifier

Features selective tone control; CD direct input; simulated-stereo circuitry; direct play function; motorized volume control; R1 system remote control compatible; side panels optional ..... \$270

## PARASOUND

### C/PT-1000R Preamplifier/Tuner

Class A FET design. Features gold-plated jacks; 2 pair line output; variable loudness contour; mono switches; 16 AM/FM presets; remote control. FR 5-80,000 Hz; THD <0.004%; S/N 92 dB. 17 1/4 x 4 x 10 1/2 in, 17 lb ..... \$550

### P/FET-900 Preamplifier

Class A FET design. Features discrete transistors; electronic logic switching; polypropylene capacitors; regulated power supply; gold-plated jacks; muting relay; variable loudness contour; 10-amp power switch; 3 AC outlets; mono switch; 2 tape monitors; bidirectional dubbing. Separate CD, video inputs. FR 5-85,000 Hz ±0.5 dB; THD <.005%; IM <0.005%; S/N 95 dB high. 80 dB phono; 17 1/4 x 2 1/2 x 9 1/2 in, 11 lbs ..... \$395

### C/PT-600 Preamplifier/Tuner

Combines circuit and control of P/HP-750 preamp and TDQ-260 II Tuner. 17 1/4 x 4 x 10 in, 12 lb ..... \$375

### P/HP750 Preamplifier

Features CMOS switching for inputs, tape; variable loudness contour; high- and low-pass filters; tape dubbing. Frequency response 5-65,000 Hz; total harmonic distortion 0.006%; intermodulation distortion 0.006%; signal-to-noise ratio 92 dB; phono overload 200 mV. 17 1/4 x 3 1/4 x 9 1/2 in, 10 lb ..... \$265

## PERFECTIONIST AUDIO

### Pro-Reference IIb Tube Preamplifier

Vacuum-tube preamplifier with torroid transformer. Features platinum internal wiring; polypropylene or polystyrene capacitors in signal path; output muting; low-impedance main output; low-impedance tape output. THD <0.1%; output imp <600 ohms; phono gain 43 dB; noise > 90 dB below rated output. \$4,295 Upgrade from II to IIb ..... \$650

### C.P.R. IIIa Preamplifier

Line, phono, and moving-coil amplifier. Features no capacitors in signal path; high-current power supply; platinum internal wiring; low output impedance; user-adjustable gain and input impedance. .... \$1,995

### C.P.R. IIa Preamplifier

Line and phono amplifier. Features no capacitors in signal path; high-current power supply; platinum internal wiring; low output impedance; RIAA equalization. Gain 36 dB; input imp 47 kilohm. .... \$1,600

### C.P.R. Ia Preamplifier

Line amplifier using basic gain-stage/buffer. Features no capacitors in signal path; high-current power supply; platinum internal wiring; low output impedance. Gain 21 dB. .... \$1,250

### C.P.R. TIP Power Supply

Said to eliminate AC interference and ground loops for Perfectionist preamplifiers ... \$1,250

## PHILIPS

### AV1001 Preamplifier

Features S-video inputs and outputs, Dolby Pro Logic surround-sound decoder, digital sound processor and Bitstream D/A converter; test-tone generator; three center-channel modes and preset rear-channel delay time of 20 μsec; control adjustments for 5 hall sizes, adjustable reverberation time, adjustable individual left-rear and right-rear delay time; surround channels low-pass and high-pass filter. 9 audio inputs; 5 composite NTSC video inputs for CDV, DBS, two VCR's and one aux source; 5 S-type Y/C video inputs; A/V recording outputs; master switching matrix with display; video outputs; 52-button universal programmable LCD learning remote that controls AV1001 and 9 other components. .... \$2,000

## PIONEER

### C-91 Reference A/V Preamplifier

Features smart remote control; three different power supplies; copper-foil PC boards; subsonic filter, high/low filter; video enhancer; film condenser; honeycomb insulator feet. Motorized rotary volume control; 5 audio inputs; 3 video terminals for inputs and outputs; 3 video terminals for input only; S-video connector; 2 video outputs; 1 for display, 1 for recording selector; recording selector, tape-dubbing switch; Urushi-finished front panel; rosewood finished vinyl-covered side panels. 18 x 5 1/4 x 15 1/2 in; 22.75 lb ..... \$1,300

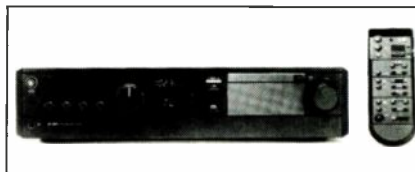
### C-72 Reference A/V Preamplifier

Motorized rotary volume control; local power off; 5 audio inputs; 2 video terminals for inputs and outputs; 3 video terminals for input only. S-video connector; A/V recording selector; two-way video dubbing; multiroom capable with optional MR-100; Urushi-finished front panel; rosewood finished vinyl-covered side panels. 18 x 6 1/2 x 16 1/2 in; 31.88 lb ..... \$850

## PROTON

### AP-600T Preamplifier/Tuner

Features variable wattage amp to accommodate speaker selection; incorporates Schotz II Tuner; 18 FM/9 AM presets; mono/stereo switch; variable loudness control. .... \$600



Proton AP-600T

### AP-1000 A/V Preamplifier

Features separate record and listen selectors; bass, presence, and treble controls with bypass; dual-mono construction with separate power supplies for both channels; phono preamp section with FET's; selectable input capacitance for MM cartridges; multiple gain levels for MC cartridges; bass-EQ switch; inputs for phono, tuner, CD, video, tape 1, tape 2; head-phone jack. FR 20-20,000 Hz ±2 dB; THD 0.003%; video S/N 103 dB; MC phono S/N 70 dB. 16 1/2 x 3 1/4 x 13 1/2 in; 14.3 lb ..... \$350

## PS AUDIO

### Model 6.0 Preamplifier

Line-level preamp with 6 inputs. Straight-wire, high-level bypass switch; touch-sensitive switching ..... \$499

## QUAD

### Quad 66 Preamplifier

5 analog inputs and extensive filter and tone controls. Tilt control offers flat, increasing, or decreasing FR slopes in 7 steps of 1 dB each; two steps of high-frequency filtering, rolloffs at 7,000 Hz, 5,000 Hz; bass control shelves bass down 5 dB max with rolloffs at 50 Hz and 200 Hz, for control of low-frequency noise and speaker boundary effects. All controls activated from remote control with rotary volume and balance, push-buttons for other functions, operates all Quad 66 series components. Frequency response (phono) 30-20,000 Hz ±0.5 dB; frequency response (line) 20-20,000 Hz ±0.2 dB; total harmonic distortion <0.05%; sensitivity (phono) 3mV with options of 1 mV or 200 μV, signal-to-noise ratio 75 dB; sensitivity (aux 1/aux 2) 300 mV, signal-to-noise ratio 93/99 dB; sensitivity (CD) 300 mV, signal-to-noise ratio 99 dB; sensitivity (tuner) 100 mV, signal-to-noise ratio 93 dB. 12 3/4 x 3 1/4 x 10 in; 7.5 lb \$1,500

### Quad 34 Preamplifier

Features tilt control as in Quad 66; bass control; inputs for disc, tape, tuner, aux; 3 push-button filters; bass lift and step. Distortion, any input, 0.5%. Residual noise, A-wtd volume control at minimum -105 dB; frequency response ±0.3 dB any input (except phono), phono ±0.5 dB ..... \$795

## QUICKSILVER AUDIO

### Quicksilver Tube Preamplifier

Features two 12AX7s, two 12FQ7s, two 6X4s and 12AU7 vacuum tubes ..... \$1,595

## ROTEL

### RTC850 Preamp/Tuner

Dual-gate MOSFETS in tuner front end. Features 16 AM/FM station presets; digital-synthesis tuning; direct signal paths; inputs for MM/MC, CD, tape, and video; multifunction remote; motorized volume control. Tuner section: 50-dB quieting sens, mono 15.2 dBf, stereo 37.2 dBf; AM rej 58 dB; cap ratio 1.0 dB narrow; maximum signal-to-noise ratio 75 dB stereo, 80 dB mono; alt-channel selectivity 70 dB wide; AM suppression 57 dB; IHF sensitivity 10.8 dBf mono; channel separation 45 dB at 1,000 Hz; total harmonic distortion 0.07% mono and 0.25% stereo. Preamplifier section: frequency response 20-20,000 Hz ±0.2 dB; total harmonic distortion <0.004%; signal-to-noise ratio 100 dB. 17 1/2 x 3 3/4 x 13 1/2 in; 12 lb ..... \$499

### RC870BX Tube Preamplifier

MM and MC phono inputs. Features toroidal transformer; 4 electrolytic capacitors; metal film resistors; metal-layer capacitors. Direct CD input with its own level control; tape/video dubbing; inputs for phono, CD, tuner, tape 1, tape 2, AV/aux 1, AV/aux 2; frequency response 20-20,000 Hz ±0.2 dB; total harmonic distortion <0.004%; signal-to-noise ratio 95 dB; MM phono sensitivity 2.5 mV for 0.5 V output at 1,000 Hz; MM phono overload 180 mV; MM phono signal-to-noise ratio 80 dB; MC phono signal-to-noise ratio 80 dB. 17 1/2 x 2 1/4 x 12 1/4 in; 10 lb ..... \$399

### RC850 Tube Preamplifier

MM and MC phono inputs. Features amplifier stages in phono EQ; tone-defeat switch; inputs phono, CD, tuner, tape 1, tape 2, AV/aux 1, AV/aux 2. Frequency response 20-20,000 Hz ±0.2 dB; total harmonic distortion <0.004%; S/N 95 dB; MM phono sens 2.5 mV for 0.5 V output at 1,000 Hz; MM phono overload mV; MM phono signal-to-noise ratio 80 dB; MC phono signal-to-noise ratio 70 dB. 17 1/2 x 2 1/2 x 10 1/2 in; 8 lb. .... \$249

# PREAMPLIFIERS

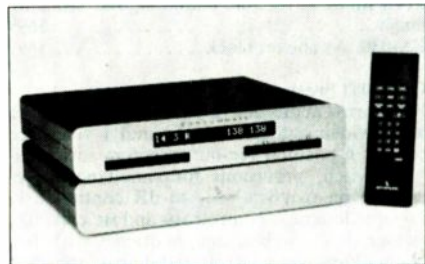
## JEFF ROWLAND

### Consummate Preamplifier

Class A FET preamplifier featuring Differential Mode technology from input to output. Incorporates two-stage power-supply regulation; separate power supply with dual toroidal transformer; mil-spec circuit-board material, with oxygen-free copper traces and high-temperature mask; all signal switching is accomplished with hermetically sealed, gold-contact signal relays; AC power-line filter; all critical circuitry is encapsulated in thermally conductive epoxy; microprocessor-controlled volume and switching; digitally controlled resistor matrix provides 200 discrete steps for volume control. 3 unbalanced line inputs and 3 balanced line inputs; balanced and unbalanced output; user-stored level setting for all six inputs; fluorescent display; remote control; separate remote receiver. FR 0.05-600,000 Hz -3 dB; gain 16 dB; THD <0.008%; input imp 100 kilohms, 10 kilohms or 600 ohms; output imp 150 or 300 ohms. 13 1/4 x 5 1/2 x 15 in; 28 lb ..... \$5,500

**Consummate Phono Stage Preamplifier.** For use with above. Utilizes balanced/unbalanced inputs and outputs. FR 0.15-250,000 Hz -3 dB; gain 60 dB; S/N 80 dB; THD <0.02%; input imp adjustable 0-1,000 ohms; output imp 150 or 300 ohms. 13 1/4 x 2 3/4 x 15 in; 10 lb ..... \$2,800

**Consummate Phono Stage Preamplifier.** With power supply ..... \$4,800



Jeff Rowland Consummate

### Coherence One Series II Preamplifier

Solid-state FET preamp with companion regulated power supply. Accepts all MM and MC cartridges directly. Direct-coupled design from input to output. Split-passive RIAA EQ. Provides inputs for 1 phono and 3 high-level inputs. Tape-rec outputs selectable from any input. Features phase reversal and full muting from front panel; separate R-L ch balance controls; master volume; balanced outputs standard; outputs mute upon power-up or error. Phono stage: frequency response 0.15-220,000 Hz -3 dB; gain 61 dB; total harmonic distortion <0.025%. Line stage: gain 19 dB; FR 0.06-650,000 Hz -3 dB; THD <0.01%. 12 1/2 x 3 3/4 x 19 in; 29 lb ..... \$4,600

### Consonance Preamplifier

Features microprocessor-controlled volume and switching. 5 unbalanced line inputs and 1 phono inputs; balanced and unbalanced output; user-stored level setting for all inputs; fluorescent display; optional remote control; separate remote receiver. Line section: frequency response 0.08-600,000 Hz -3 dB; gain 16 dB; total harmonic distortion <0.012%; input imp 100 kilohms, 10 kilohms or 600 ohms; output imp 150 or 300 ohms. Phono section: FR 0.15-220,000 Hz -3 dB; gain 60 dB; THD <0.04%. 13 1/4 x 2 3/4 x 15 in; 14 lb ..... \$3,350

## SHERWOOD

### AP-7020 Hybrid Preamplifier

Discrete pure complementary amplifier; switchable MM/MC phono gain amplifier; active

high and subsonic filter. Loudness switch; crossover for subwoofer; gold-plated phono jacks; switchable tone-control turn over frequency; direct switch (tone bypass); rec-out selector switch; 2 sets of pre amp output jacks; external-processor in/out jack; muting switch; balanced in/out; 3 tape and processor loops; 2 tone controls. Frequency response 20-150,000 Hz +0.5, -3 dB; total harmonic distortion 0.005%; signal-to-noise ratio 80 dB (MM), 75 dB (MC) 17 1/2 x 4 1/4 x 11 in ..... \$359

## SHURE

### M64A Preamplifier

Fixed-gain preamp with switch-selected phono, tape EQ. For use with unequalized amp inputs, mic's, or as buffer amp in "flat" position; on-off switch; two phono jack inputs; 120 V AC 50/60 Hz, 5 W ..... \$125

## SONOGRAPHE BY CONRAD-JOHNSON

### SC1 FET Preamplifier

All-FET design with matched-FET, polypropylene and polystyrene capacitors for all audio circuits; discrete power-supply regulation; inputs for phono, tuner, CD, video, tape 1 and 2. Frequency response 5-100,000 Hz ±0.5 dB; max output 10 V; total harmonic distortion 0.1%; IM 0.1%; phono overload 150 mV; 18 x 3 1/2 x 12 in ..... \$595

## SONY

### Elite Series

### TA-E77ESD Digital Preamplifier

Features digital section with 4x-oversampling filter and dual D/A converters. 91-key programmable remote control; full AV switching; S-video and composite video terminals; source-direct switch; passive tone control; independent record/out selector; adaptor terminals; phono-input selection. IM 0.001%; total harmonic distortion 0.001%; separation greater than 90 dB; frequency response 5-20,000 Hz ±0.5 dB ..... \$1,000

## SOUNDCRAFTSMEN

### Pro-Control 422 Preamplifier/Equalizer

C-MOS preamplifier/EQ with independent line and tape switching for 8 inputs: CD, tuner, phono, 2 tape monitors, 3 AV monitors, signal-processing loop. Allows independent listening and tape recording or multiroom applications. Includes a subsonic filter and direct mode to bypass all tone controls, EQ, and unnecessary circuitry. Dual 10-band EQ featuring ±15 dB control and exclusive differential/comparator output balancing. Auto-Bridgeable amplifier. Frequency response 20-20,000 Hz ±0.1 dB; total harmonic distortion <0.005%; phono signal-to-noise ratio 97 dB; S/N 116 dB. Rack-mount front panel. 19 x 5 1/4 x 10 1/2 in ..... \$849

**Pro-Control Four Preamplifier.** As above, without equalizer. Has 2 signal-processing loops. 19 x 3 1/2 x 10 1/2 in ..... \$849

**Pro-Control Three Preamplifier.** As above, with only 2 tape monitors and one signal-processing loop ..... \$549

### Pro-PT Five R Preamplifier/Tuner

C-MOS switching. Features infrared remote control; 16 station presets, 3 inputs; audio mute; 2 tape monitors; dubbing; variable loudness control; spectral gradient for CD. Frequency response 20-20,000 Hz ±0.5 dB; signal-to-noise ratio 80 dB for phono, 100 dB for high level. Mono 50 dB quieting is 12 1/2 dB. Rack-mount front panel. 19 x 3 3/4 x 11 1/4 in ..... \$599

### Pro-Control One Preamplifier

C-MOS switching. CD, phono, tuner, AV inputs and 2 tape monitors with dubbing. Variable loudness control; high and low filters; head-phonon output. Frequency response 20-20,000 Hz ±0.5 dB; total harmonic distortion <0.008%; signal-to-noise ratio 80 dB for phono; 100 dB for high level. Rack mount front panel. 19 x 3 x 10 in ..... \$329

## SOUND ENGINEERING

### PFM-2 Preamplifier

Low-noise, high-current Class A design \$1,550

## SOUNDSTREAM

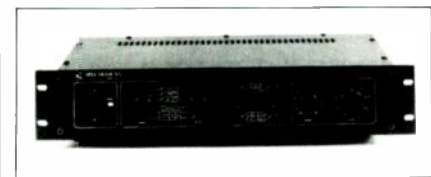
### C-1 MK II A/V Preamplifier

System 1 series component featuring dual-mono Class A circuitry and discrete component signal path. Separate power supply for audio and switching circuits to minimize noise in audio signal; digital switching circuitry links Soundstream products. Audio/video dubbing; disc-to-tape or tape-to-tape; separate record and listen circuitry permits simultaneous recording and listening or viewing; inputs for phono/aux, tape 1, tape 2, CD, tuner. Audio/video functions include VCR 1, VCR 2, videodisc, TV (output only); optional accessories: plug-in dual-mono phono-preamp card, remote-controlled AC power strip, and multiroom/simultaneous source network. Includes wireless remote for control of C-1, T-1, and DA-1 components; programmable to control 10 separate components. Frequency response 20-20,000 Hz ±0.1 dB; total harmonic distortion <0.05%; signal-to-noise ratio >100 dBA; input imp 30,000 ohms; input sens <100mV for 0.5V out. 17 x 3 3/4 x 11 1/2 in; 15 lb ..... \$1,495

## SPECTRASCAN

### LCA-10-MC Preamplifier

Features high-gain, high-voltage input buffer-amplifier to eliminate cartridge interaction. Features dual head amplifiers; toroidal power transformer; dual line outputs; switchable input cap for moving-magnet input; separate source and record switches; low-noise moving-coil head amp; input for moving-magnet, CD, video, tuner, tape 1 and 2, and 2 sets of outputs. Frequency response 3-250,000 Hz; total harmonic distortion line amp 0.05% from 20-20,000 Hz; IM 0.05%; signal-to-noise ratio 100 dB; sens 100 mV for 1.0 V output. 19 x 3 3/4 x 9 1/2 in; 17 lb ..... \$1,969  
Without head amplifiers ..... \$1,569



Spectrascan LCA-10

## SUMO

### ATHENA Preamplifier

Features built-in moving-coil head; discrete circuitry using 1% metal-film resistors and metalized polypropylene capacitors; gold-plated input/output jacks; separate record/mode select functions; subsonic filter; high-level bypass; laser-trimmed volume control. Frequency response 20-20,000 Hz ±0.1 dB; total harmonic distortion/intermodulation distortion less than 0.01% below 18-V output; signal-to-noise ratio MC 80 dBA, MM 85 dBA, high level 100 dB. 19 x 1 1/4 x 8 1/4 in ..... \$729

# PREAMPLIFIERS

## SUPERPHON

### Revelation II Preamplifier

MOSFET preamp with J-FET phono, MOSFET current sourcing. Voltage regulated through 10 shunt regulators, adjustable bias setting for output stage. Input for 1 phono, 4 high-level inputs plus 2 complete tape loops; muting from panel with automatic muting for line surge/drop protection. FR 2-175,000 Hz; THD >0.5 at 3 V rms; S/N 77 dB (phono); max output 5 V rms; 150 mV MM phono overload; MM phono input imp 47 kilohms; phono gain 37 dB; line gain 20 dB \$749

## TANDBERG

### 3018 Preamplifier

Features passive EQ in both phono sections; MC/MM; uses passive high and low filters; separate power supplies for left and right channels. FR 20-20,000 Hz; THD <0.09%; S/N 70 dB for MM, 74 dB for MC. 17 1/4 x 13 1/4 x 3 1/2 in . . . . . \$2,299

### 3080 Preamplifier/Tuner

Preamp section features MOSFET and bipolar circuitry; Tandberg Thermic Servo Loop replaces low-pass filter and negative feedback loop. FR linear inputs 5-100,000 Hz, phono MM/MC inputs 20-20,000 Hz; S/N 68 dB for Phono MC, 72 dB for MM. Tuner: Cap ratio 1 dB; FR 0.5-1 dB Hz; IM 0.2% mono/stereo; S/N 82 dB mono, 78 dB stereo. 17 1/4 x 5 1/2 x 14 in . . . . . \$1,199

## TARA LABS

### Passage Preamplifier

Preamplifier constructed from aluminum alloy with Class A power-supply regulator. Features Space & Time internal wiring; Space & Time AC power cable; rhodium and copper-plated RCA connectors; 6 inputs and full tape-switching/dubbing facilities . . . . . \$1,498

## TECHNICS

### SU-A200 A/V Preamplifier

Features Class AA circuitry; active servo power supply; inputs for MM/MC phono, tape 1 and tape 2/VCR, aux; phono 2, CD player, tuner, and video (AV 1). Switches video signals from A/V inputs as well as audio signals from 8 inputs with video output for monitor. FR 0.5-180,000 Hz +0, -3 dB. 17 x 5 x 14 1/4 in . . . . . \$1,200

### SU-A6MK2 Preamplifier

Features infrasonic filter; shelving tone controls; selectable turnover frequencies; audio muting; inputs for MM/MC phono, tape 3, tape 2, aux 2, phono 2, CD player, tuner, computer, VCR, DAT recorder, TV . . . . . \$800

### SU-A40 Preamplifier

Features Class AA phono amp; output amp; high-speed capacitors with electrolyte; active-servo power supply; OFC wiring, 6-position input and recording selector; tape 3 monitor; MM/MC phono selector; tone-defeat switch; subsonic filter; loudness; stereo/mono; muting switches. THD 0.009% (MM), 0.01% (MC), 0.006% (other sources); S/N 79 dB (MM), 74 dB (MC), 91 dB (other sources); FR 30-15,000 Hz  $\pm$  0.2 dB (phono), 20-20,000 Hz +0; ch sep 50 dB (aux, at 1,000 Hz). 17 x 4 1/4 x 11 1/4 in; 8.8 lb . . . . . \$330

## THRESHOLD

### Model FET Ten/e High-Level Preamplifier

Dual-ch, high-level noninverting field-effect transistor preamp dedicated to line-level signal applications. Accepts 5 high-level sources and 2 tape decks with full flexibility in record/monitor signal routing. Single stereo input and preamplifier output available in unbalanced or bal-

anced configuration. External power supply in separate chassis. Input J-FETs operated in parallel, doubling transconductance and lowering noise and distortion. Secondary gain stages use cascoded MOSFETs to suppress voltage fluctuations, allowing low distortion even when driving loads less than 500 ohms. Circuit boards are military-grade glass-epoxy with gold-over-nickel-over-copper-plated paths. Gold-plated connectors with Teflon insulation. Precision metal-film and wirewound resistors used throughout. Controls for program source selector; record signal routing; monitor signal selection; mode; balance; audio level. Bandwidth response DC-125,000 Hz at -3 dB; THD 0.01% at 3 V rms from 20-20,000 Hz into 1,000-ohm load; crosstalk <-75 dB at 20,000 Hz with 1,000-ohm source; noise no greater than -110 dBA referenced to 1 V input. 19 x 1 1/4 x 11 in . . . . . \$3,200

### Model FET Nine/e Preamplifier

Dual-ch noninverting field-effect transistor preamp. Accepts inputs from high- and low-level MC, MM, or other velocity-output phono cartridges, 3 high-level sources, and 2 tape decks with full flexibility in record/monitor signal routing. Cartridge section uses single gain-variable preamplification stage for MC and MM cartridges. Cartridge loading selected by internal DIP switch assemblies. Signal-path topologies and power-regulation circuits derived from FET Ten/e research. External power supply in separate chassis. Circuit boards are military-grade glass-epoxy with gold-over-nickel-over-copper-plated paths. Gold-plated connectors with Teflon insulation. Precision metal-film and wirewound resistors used throughout. Controls for program source selector; monitor signal selection; ch balance; audio level. FR bandwidth DC-125,000 Hz at -3 dB dB; THD 0.01% at 3 V rms 20-20,000 Hz into 10,000-ohm load; high-level input imp 25,000 ohms, nominal. 19 x 1 1/4 x 11 in . . . . . \$2,500



Threshold FET Ten/e

### Model FET Ten/e Cartridge Gain Preamplifier

Dual-channel noninverting field-effect transistor preamp designed for phono-cartridge gain applications. Accepts inputs from high- and low-level moving-coil, moving-magnet, or other velocity-output-characteristic phono cartridge and provides RIAA equalized output suitable for preamp high-level inputs. Single gain-variable high-performance stage provides signal increase required by different cartridge types. Combination of active low-frequency and active and passive high-frequency equalization make up RIAA equalization. Up to 16 different cartridge-loading characteristics may be user selected with internal DIP switch assemblies. External power supply in separate chassis. Gold-plated connectors with Teflon insulation. Precision metal-film and wirewound resistors used throughout. Crosstalk no greater than -70 dB at 20,000 Hz with 1,000-ohm source; output available in unbalanced or balanced configuration. 19 x 1 1/4 x 11 in . . . . . \$2,500

## YAMAHA

### CX-2000 A/V Preamplifier

Digital preamp with 8x-oversampling 18-bit digital filter and dual D/A converters. Features auto sampling frequency switching; direct output; 4

video inputs; 4 digital inputs; 1 optical and 2 coaxial digital audio rec outputs; 10 analog audio inputs; 5 audio and 2 video rec outs; 12 position rec-out selector; source-direct switch; provisions for simultaneous A/V recording on 2 VCR's; 6-position MM or MC cartridge load selector. Continuously variable loudness control. Titanium finish with wood side panels. 33 lb . . . . . \$1,499

### CX-1000U A/V Preamplifier

Digital preamplifier with built-in 18-bit 8x-oversampling digital filter and dual D/A converters. Features 4 digital (coaxial and optical) audio inputs and 4 video inputs; 5 audio rec outputs and 2 video rec outputs; 12-position rec-out selector; provisions for simultaneous A/V recording on two VCR's; 1 optical, 2 coaxial digital audio rec outputs; auto sampling frequency switching; 6-position MM or MC phono cartridge load selector; source-direct switch; audio mute. Continuously variable loudness control; RS integrated system remote control. Black; 28 lb . . . . . \$1,199

### CX-830Ti Preamplifier

Features 8 audio and 3 video inputs; 4 audio and 2 video rec outputs; 8-position rec-out selector; source-direct switch; -40-dB continuously variable loudness control; MM and MC cartridge load selector; bass and treble controls; subsonic filter; RS learning remote control with 82 keys; gold-plated inputs. Titanium finish . . . . . \$699  
CX-830. As above, black . . . . . \$699

### CX-630Ti Preamplifier

Features 6 audio and 2 video inputs, 4 audio and 2 video outputs; 2 audio and 1 video rec output; 6-position rec-out selector; source-direct switch; provisions for simultaneous recording on two VCR's; -40 dB continuously variable loudness control; MM and MC cartridge switch; bass, treble, and midrange with frequency turnover controls and defeat; subsonic filter; 2 remote controlled AC outlets. Includes RS integrated system remote with 33 keys. Titanium finish . . . . . \$449  
CX-630. As above, black . . . . . \$449

## YBA BY MUSIC HALL

### YBA Signature Preamplifier

Features two chassis (one for each channel) with individual power supplies that use 200-W transformers and about 80 capacitors. The remote control has separate power supply. 1 phono input; 5 line inputs. Max output 8 V; total harmonic distortion <0.05% at 1V output; signal-to-noise ratio: (MC) 85 dB, (MM) 90 dB, (line) 100 dB . . . . . \$11,000

### YBA 1 Preamplifier

Features no resistors in signal path. Custom-made resistors, capacitors, transistors, and nonmagnetic connectors. The MC module uses custom-made transformers and is encased in metal. 1 phono input; 5 line inputs. Total harmonic distortion <0.05% at 1 V; signal-to-noise ratio (MC) 85 dB . . . . . \$5,750

### YBA 2 Preamplifier

Features separate power supply; integral power-line filtering; bypass switch for direct input (phono or CD); low output impedance; no resistors in signal path. Total harmonic distortion <0.05% at 1 V; signal-to-noise ratio (MM) 90 dB, (line) 100 dB . . . . . \$2,750  
MC Module . . . . . \$600

YBA 3. Similar to YBA 2. Total harmonic distortion <0.02%; signal-to-noise ratio 100 dB; RIAA 70 dB . . . . . \$1,800

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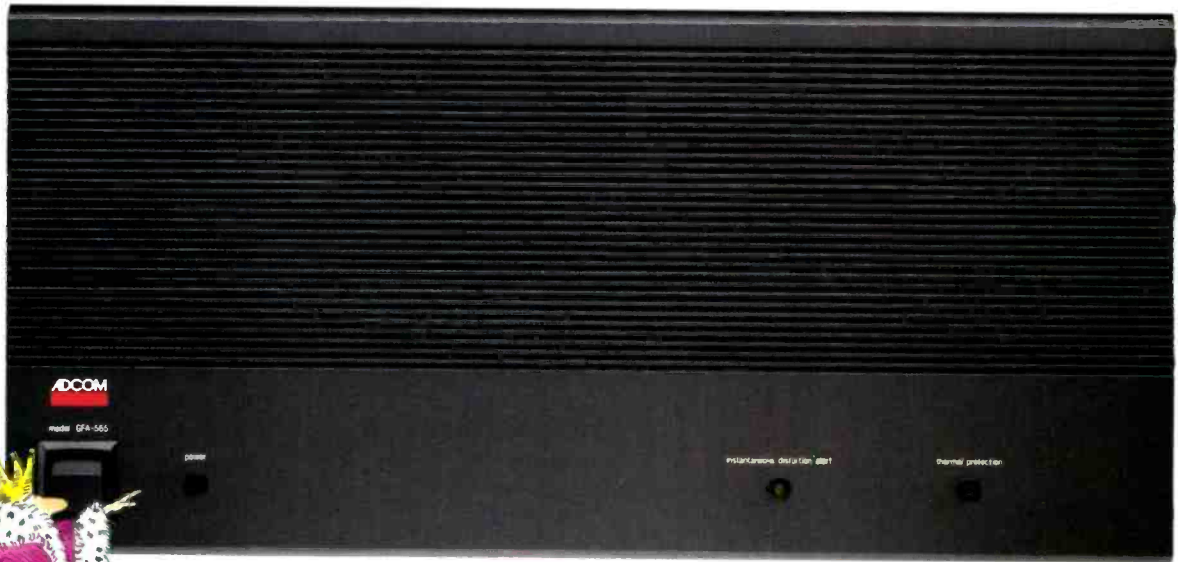
MUSICAL EXPERIENCE

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# Real power has always been in the hands of the few.



Adcom stereo components have a loyal and devoted following, having earned a reputation among audiophiles, engineers and musicians for extraordinary performance at affordable prices. Now Adcom introduces its newest amplifier, the no compromise GFA-565, for those in pursuit of absolute power and sonic perfection, but who prefer not paying a king's ransom.

## The Evolution of Adcom's GFA-565

Adcom's new mono GFA-565 evolves from the design of the critically acclaimed GFA-555, greatly extending its capabilities. Representing brute strength, it delivers 300 watts at 8 ohms, 450 watts at 4 ohms and an awesome 850 watts at 2 ohms\* Most significantly, it will accurately drive even esoteric loudspeakers which present loads as low as 1 ohm.

Inspired by the GFA-555, the new GFA-565's well-regulated, high-current power supply has an enormous reserve capacity to meet tremendous dynamic demands, resulting in distortion-free reproduction on a continuous basis.

## Why Use Two Mono Amplifiers?

The ability to deliver very high power into complex loads is a prerequisite for superior sound reproduction. Power supplies capable of delivering the energy necessary for high power, high-current amplifiers are massive. But there are practical limits to the size and weight of stereo amplifiers designed for home use, as well as heat dissipation and reliability constraints. Consequently, the use of two Adcom GFA-565 mono amplifiers offers optimum sound definition, detail and dynamics, satisfying even the most demanding perfectionist.

## More Sound, Less Money

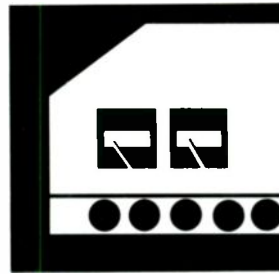
Like the GFA-555, the new Adcom GFA-565 sounds superior to amplifiers costing two and three times as much. It is so powerful and pure that it may be the last amplifier you ever buy, even if you upgrade your loudspeakers several times over the years. And that makes the GFA-565 an extraordinary bargain considering its exceptional performance.

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# POWER • AMPLIFIERS



## ACCUPHASE BY MADRIGAL

### P-800 400-W/ch Amplifier

Features two sets of 7 parallel push-pull transistor pairs for the output stage; two separate power supplies for L/R channel; cascode differential push-pull input stage; MOSFET cascode push-pull and cascode push-pull drive stage. 400 W/ch into 2 ohms, 600 W/ch into 1 ohm. Power meter; 40,000-ohm balanced input, 20,000-ohm unbalanced phono jack; mounting provision for cooling fans. FR 20-20,000 Hz,  $\pm 0$  dB; THD 0.01%; S/N 125 dBA; IM 0.003%; damping factor 200 at 50 Hz. 19 x 9 $\frac{3}{4}$  x 19 $\frac{1}{4}$  in; 103.75 lb ..... \$12,500

### M-1000 1,000-W Mono Amplifier

Two separate power units with push-pull drive in bridged connection; each power unit employs 14 parallel push-pull pairs of wide-band transistors. Low imp drive; 1,600 W into 1 ohm, 1,100 W into 2 ohms; cascode push-pull and MOSFET drive stage. Digital power meter; 40,000-ohm balanced input; 20,000-ohm unbalanced phono jack; mounting provisions for cooling fans. FR 20-20,000 Hz,  $\pm 0$  dB; THD 0.01%; S/N 125 dBA; IM 0.003%; damping factor 200. 19 x 9 $\frac{3}{4}$  x 19 $\frac{1}{4}$  in; 103.75 lb ..... \$12,000

### P-500 250-W/ch Amplifier

Features power meters. Bridge connection allows 1,000 W mono into 4 ohms, 500 W/ch into 2 ohms, 250 W/ch into 8 ohms. 19 x 8 $\frac{3}{4}$  x 17 $\frac{1}{2}$  in; 73.75 lb ..... \$8,600

### P-300V 180-W/ch Amplifier

Features power meters. 180 W/ch into 8 ohms; bridgeable for 500 W mono into 8 ohms, 300 watts mono into 2 ohms. 17 $\frac{1}{2}$  x 6 $\frac{1}{2}$  x 14 $\frac{1}{4}$  in; 50.75 lb ..... \$6,000

### P-102 50-W/ch Amplifier

Features two all-stage push-pull power units in bridged configuration. Class A MOSFET push-pull output stage; cascode push-pull differential input stage; twin mono construction using two mono amplifiers and two separate power supplies for L/R channel; direct-coupled amplifier with DC servo configuration; 80 W into 4 ohms, 70 W into 2 ohms. Power meter; 40,000-ohm balanced input and 20,000 ohm jacks. FR 20-20,000 Hz  $\pm 0$  dB,  $-2$  dB; THD  $<0.01\%$ ; S/N 120 dBA; IM 0.003%; damping factor 70. 18 $\frac{1}{4}$  x 6 $\frac{1}{4}$  x 16 in; 48.5 lb ..... \$4,400

## ACOUSTIC RESEARCH

### A-07 70-W/ch Amplifier

Features switchable side-chain feedback tone control, filters, and provision for moving-magnet and moving-coil cartridges. Remote controllable when linked to T-06/R tuner. FR 15-20,000 Hz,  $-0.3$  dB; THD 0.03%; S/N ratio 100 dBA; IM 0.03%; damping factor 100; 17 $\frac{1}{4}$  x 3 $\frac{1}{2}$  x 10 $\frac{1}{4}$  in; 25.1 lb ..... \$500

A-05. Similar to above, 40 W/ch ..... \$400

A-03. Similar to above, 30 W/ch ..... \$300  
RC-03. Remote control for A-07 ..... \$25

## ADCOM

### GFA-565 300-W/ch Mono Amplifier

Features 20 discrete transistors in output stage. Power supply included 1.25 KVA toroidal power transformer and 70,000 microfarads of filter capacitance. LED on front panel is activated if distortion exceeds 1%. 300 W at 8 ohms; 450 W at 4 ohms; 850 W at 2 ohms; S/N 106 dBA; dynamic headroom (at 4 ohms) 1.6 dB; input imp 50-700 ohms; input sens 2.15 V; damping factor  $>1,000$  at 8 ohms. Black finish. 17 x 8 $\frac{1}{4}$  x 11 $\frac{1}{2}$  in; 45 lb ..... \$850  
GFA-565W. As above with white front panel ..... \$900

### GFA-555 200-W/ch Amplifier

Able to drive 1-ohm loads. Features low-negative-feedback design; constant damping factor; toroidal transformer; LED alert when distortion exceeds 1% at speaker outputs; direct-coupled design. 200 W/ch into 8 ohms; 350 W/ch into 4 ohms; THD  $<0.09\%$  and IM  $<0.05\%$ ; constant damping factor  $>100$ , 20-20,000 Hz ..... \$750  
GFA-555W. As above with white front panel ..... \$800  
RM-7. Optional rack-mount adaptors for GFA-555 ..... \$20/pr  
RM-7W. As RM-7 in white ..... \$25/pr  
RM-7S. As RM-7 in silver ..... \$25/pr

### GFA-545 100-W/ch Amplifier

Able to drive 1-ohm load. Features low-negative-feedback design; constant damping factor; toroidal transformer; instantaneous distortion alert when distortion produced higher than 1% at speaker outputs; direct-coupled design. THD  $<0.09\%$ , 150 W/ch into 4 ohms; IM 0.008%, 5 $\frac{1}{2}$  x 17 x 12 $\frac{1}{2}$  in; 25 lbs ..... \$500  
GFA-545W. As above with white front panel ..... \$550  
RM-5. Optional rack-mount adaptors for GFA-545 ..... \$20/pr  
RM-5W. As RM-5, in white ..... \$25/pr  
RM-5S. As RM-5, in silver ..... \$25/pr

### GFA-535 60-W/ch Amplifier

Able to drive 1-ohm load. Features low-negative-feedback design; constant damping factor; hookup for 2 sets of speakers; LED alert when distortion exceeds 1% at speaker outputs; direct-coupled design; separate power transformers for each ch. Total harmonic distortion  $<0.09\%$ , 100 W/ch into 4 ohms; intermodulation distortion 0.008%, 3 $\frac{1}{4}$  x 17 x 12 $\frac{1}{2}$  in ..... \$330  
GFA-535W. As above with white front panel ..... \$380  
GFA-535L. Same as GFA-535 with flush-mounted gain controls for each channel ..... \$370.  
RM-3. Optional rack-mount adaptors for GFA-535 ..... \$20/pr  
RM-3W. As RM-3, in white ..... \$25/pr  
RM-3S. As RM-3, in silver ..... \$25/pr

a/d/s/

### PA4 150-W/ch Amplifier

Features all-discrete transistors; polypropylene capacitors; metal-film resistors; 10 bipolar output devices per ch; open-loop bandwidth of  $<100$  MHz to avoid rate limiting and stability with complex speaker loads; toroidal transformers for low noise and high current. Drives 2 pairs of speakers; power and speakers switched from a/d/s/ CC4 control center or R4 receiver; clipping LEDs. 150 W/ch into 4 or 8 ohms,  $<0.05\%$  THD; bridgeable to 250 W in mono. FR 20-20,000 Hz  $\pm 0$ ,  $-0.2$  dB; signal-to-noise ratio  $>110$  dBA at 1,000 Hz; dynamic headroom  $>1.5$  dB; damping factor  $>100$ , 4 ohms, 17 $\frac{1}{2}$  x 2 $\frac{1}{4}$  x 14 $\frac{1}{4}$  in; 27 lb ..... \$900

## AIR TIGHT

### ATM-2 80-W/ch Tube Amplifier

Utilizes 4 KT-88B for output stage, two 12AX7A, two 12AU7A, and two 12BH7A. Features OFC wiring; cathode follower direct drive; no printed circuit boards; copper-plated chassis and bottom plate; Tamura output transformers with over 100-W input capability. Bias adjuster meter; CD-direct input. FR 20-20,000 Hz  $\pm 1$  dB; THD  $<0.07\%$  at 1,000 Hz, 1 W; S/N 100 dBA; input sens 1 V; input imp 100,000 ohms. 16 $\frac{1}{2}$  x 8 $\frac{3}{4}$  x 15 $\frac{1}{4}$  in; 70.5 lb ..... \$5,950

### ATM-1 36-W/ch Tube Amplifier

Utilizes 4 6CA7 for output stage. Features parallel-position 5A4R rectifier tubes; OFC wiring; Mullard phase inversion; no printed circuit boards; Tamura output transformers. CD-direct input. FR 20-20,000 Hz  $\pm 1$  dB; THD  $<0.1\%$  at 1,000 Hz, 1 W; S/N 100 dBA; input sens 1 V; input imp 100,000 ohms. 14 $\frac{1}{4}$  x 11 $\frac{1}{4}$  x 9 $\frac{1}{4}$  in; 48.5 lb ..... \$3,450

## ARAGON BY MONDIAL DESIGNS

### Model 4004 200-W/ch Amplifier

Features 2 toroidal transformers; quad-array transistor; gold-plated connectors; Monster Cable output cables; convection air cooling. S/N 120 dB; damping factor  $>200$  20-20,000 Hz. 19 x 14 x 6 $\frac{1}{2}$  in; 65 lb ..... \$1,695  
Model 2004. Same as above, except 100 W/ch, 45 lb ..... \$1,250

## ARCAM

### Delta 120 100-W/ch Amplifier

Twin mono configuration. Each amp has separate power supply and toroidal transformer; bi-wired. 100 W into 8 ohms; 150 W into 4 ohms; peak output current  $\pm 25$  amps ..... \$1,100

## ATMA-SPHERE

### MA-1 100-W/ch Mono Amplifier

Output transformerless; Class A operation; all

# POWER • AMPLIFIERS

triode; balanced differential design; zero negative feedback; standby switch; xLR and RCA input connectors. Black and gold brushed-aluminum finish. 100 W/ch into 8 ohms; FR 1-200,000 Hz  $\pm$  0.5 dB. 47 lb/chassis... \$5,800/pr

## AUDIO BY VAN ALSTINE

### FET-Value 500 200-W/ch Amplifier

Features hybrid vacuum tube and Class A MOSFET input circuitry. Low-amp drive capability. 200 W/ch into 8 ohms; THD < 0.01%; 17 x 14 1/2 x 7 1/2 in; 38 lb ..... \$1,995

### Model 280E 160-W/ch Amplifier

Features low-impedance drive capability (1 ohm). 160 W/ch into 8 ohms; 0.01% THD. 17 x 10 x 5 in; 28 lb ..... \$775

### Model 240E 120-W/ch Amplifier

Fully complementary MOSFET circuitry. Features precision metal resistors; precision film capacitors; high-voltage, high-current semiconductors. 120 W/ch into 8 ohms; THD < 0.01%. 13 x 14 x 7 in; 27 lb ..... \$550

## AUDIO DESIGN ASSOCIATES

### PBA-500 800-W Mono Amplifier

Subwoofer amplifier with continuously variable level, frequency, and bandwidth controls. Features toroidal power transformer; fan-cooled. Front-panel switch and fuse. 800 W bridged mono from 20-200 Hz with no more than 0.05% THD into 8 ohms; 1,200 W into 4 ohms; slew rate 10 V/ $\mu$ sec; imp 0.15%. 19 x 8 1/4 x 16 1/2 in; 44 lb ..... \$2,520

### PT-200 100-W/ch Mono Amplifier

Dual-mono amp capable of driving 2-ohm loads. Features dual toroidal power transformers; soft-clipping circuit; fan-cooled. 44-segment triangular LED output meters with peak indication; stepped attenuator gain controls. 60 W/ch cont avg from 20-20,000 Hz with no more than 0.06% THD into 8 ohms; 110 W/ch into 4 ohms; S/N 102 dB; slew rate 12 V/ $\mu$ sec; imp 0.15%. 19 x 3 1/2 x 14 1/4 in; 27 lb ..... \$2,395

### PF-300 150-W/ch Amplifier

MOSFET amplifier capable of driving 2-ohm loads continuously. Features dual mono design with toroidal power transformers; fan-cooled. Independent power switches. 160 W/ch from 20-20,000 Hz with no more than 0.07% THD into 8 ohms; 160 W/ch into 4 ohms; 240 W/ch into 2 ohms; S/N 95 dB slew rate 10 V/ $\mu$ sec; imp 0.07%. 19 x 5 1/4 x 16 1/2 in; 37 lb ..... \$1,695

### PBA-150 150-W Mono Amplifier

Subwoofer amplifier with continuously variable level, frequency, and bandwidth controls. Features toroidal power transformer; fan-cooled. Front-panel switch and fuse; 20-segment LED output meter. 200 W/ch cont avg from 20-200 Hz with no more than 0.06% THD into 8 ohms; 325 watts into 4 ohms; S/N 101 dB; slew rate 10 V/ $\mu$ sec; imp 0.07%. 19 x 5 1/4 x 16 1/2 in; 32 lb ..... \$1,495

### PF-200 100-W/ch Amplifier

MOSFET amplifier capable of driving 1/2-ohm loads continuously. Independent toroidal transformers; fan-cooled. Front-panel power switches and fuse; 4-segment LED output meters. 60 W/ch cont avg from 20-20,000 Hz with no more than 0.07% THD into 8 ohms; 110 W/ch into 4 ohms; 240 W/ch into 1/2 ohms; S/N 95 dB; slew rate 10 V/ $\mu$ sec; imp 0.07%. 19 x 5 1/4 x 15 1/2 in; 37 lb ..... \$1,295

### PBA-50 50-W Mono Amplifier

Subwoofer amplifier with continuously variable

level, frequency, and bandwidth controls. Features toroidal power transformer; fan-cooled. Front-panel switch; 10-segment LED output meter. 200 W/ch from 20-20,000 Hz with no more than 0.02 THD into 8 ohms; 80 W bridged mono into 4 ohms; S/N 104 dB; slew rate 10 V/ $\mu$ sec; imp 0.04%. 19 x 1 1/4 x 13 in; 12 lbs ..... \$995

### PT-50 25-W/ch Amplifier

Compact amplifier capable of handling 2-ohm loads. Features toroidal power transformer; fan-cooled; 10-segment LED output meters; rear-panel power fuse; front-panel gain controls; 25 W/ch cont avg from 20-20,000 Hz with no more than 0.02% THD into 8 ohms; 40 W/ch into 4 ohms; S/N 104 dB; imp 0.04%. 19 x 1 1/4 x 13 in; 10 lb ..... \$950

## AUDIOLAB BY ARTECH

### Model 8000P 100 W/ch Amplifier

Linear slew-free-design with DC servo feedback. Features dual-tracking bias system; individually regulated power supplies; electronic auto-muting system; metal-film resistors; polystyrene and polypropylene capacitors; epoxy glass printed circuit boards. S/N > 90 dB; FR 20-20,000 Hz  $\pm$  0.3 dB; total harmonic distortion < 0.05%; power handling 100 W/ch into 8 ohms. 17 1/2 x 2 3/4 x 11 1/4; 20 lbs ..... \$995

## AUDIO RESEARCH

### M300 MkII 300-W Mono Amplifier

Hybrid design with FET (front end) and vacuum tubes (output stage); cross-coupled circuit; front-panel replaceable line and screen voltage fuses with LED indicators; 2 integral low-noise cooling fans (switchable for Hi or Lo); standby switch for warmup or interruptions; auto muting for silent shutdown; gold-plated inputs; output taps for 1, 2, 4, or 8 ohms; front and rear handles. 300 min W cont avg from 16-25,000 Hz with < 0.051% THD into 8 ohms; power at clipping 330 W; FR 10-60,000 Hz - 3 dB; S/N 90 dB; slew rate 25 V/ $\mu$ sec; 19 x 10.5 x 16 in; 110 lb ..... \$5,495

### Classic 150 140-W Hybrid Mono Amplifier

Hybrid mono amplifier with matched FET in front end and vacuum tubes in triode configuration output. Features tube protection circuit; cross-coupled circuit. Standby switch; auto muting; balanced output. 140 min W cont avg into 1-2-4-8 ohms from FR 7-100,000 Hz - 3 dB. 19 x 10 1/2 x 16 1/2 in; 110 lb ..... \$4,995

### D-125 120-W/ch Hybrid Amplifier

Stereo hybrid amp rated at 120 W into 4-8-16 ohms. Input stage FET-based; output stage with 2 quad banks of 6,550 power-output tubes; self-monitoring circuits; tube saver circuit; internal fan cooling; automatic muting at shutdown. 19 x 8 1/4 x 16 1/2 in; 84 lb ..... \$4,450

### Classic 60 60-W/ch Hybrid Amplifier

Stereo hybrid amplifier with matched FET front end and vacuum tubes operating in triode configuration. Features auto DC-balance servo circuit; driver-balance servo; automatic bias correction adjusts for incoming line voltage. Low-noise fan; front-panel fusing for line and screen. 60 min W/ch cont avg from FR 12-40,000 Hz - 3 dB. 19 x 7 x 15 1/4 in; 63 lb ..... \$3,295

### Classic 120 115-W/ch Hybrid Mono Amplifier

Hybrid mono amplifier with matched FET front end and vacuum tubes operating in triode configuration in output stage. Auto DC-balance servo circuit; driver balance servo; current sentry automatic bias correction adjusts for incoming line voltage; cross-coupled circuitry; energy

storage 415 joules. Balanced output. FR 10-80,000 Hz  $\pm$  3 dB; S/N 92 dB; THD < 1%. 19 x 8 1/4 x 15 1/4 in. 61 lb ..... \$2,995

### Classic 30 30-W/ch Hybrid Amplifier

Stereo hybrid amplifier with matched FET in front end and vacuum tubes operating in triode configuration in output. Features auto DC-balance servo circuit; automatic bias correction adjusts for incoming line voltage. Front-panel fusing for line and screen. 30 min W/ch cont avg from FR 15-50,000 Hz - 3 dB. 19 x 7 x 14 1/2 in; 46 lb ..... \$2,295

## AUDIOSOURCE

### AMP ONE 60-W/ch Amplifier

Stereo amplifier with toroidal power transformer. Features soft clipping output circuitry reduce distortion; dual analog power output meters; separate L/R output level controls; MOSFET construction; switchable to 170 W mono. 60 W/ch cont avg into 8 ohms; FR 20-20,000 Hz; THD < 0.04%. 16 1/2 x 2 3/4 x 11 1/4 in. 14.3 lb ..... \$300

## AUDIRE

### Crescendo 75-W/ch Amplifier

Features 32,000-mF/ch filter caps; circuit breaker. FR 2-100,000 Hz - 1 dB; IM 0.01%; slew rate 45 V/ $\mu$ sec; damping factor 300. 19 x 5 x 9 in; 25 lb ..... \$475

### Forte 125-W/ch Amplifier

Features 2 transformers, filter cap banks; 2 independent channels on one chassis. FR 2-100,000 Hz - 1 dB; IM 0.008%; slew rate 50 V/ $\mu$ sec; damping factor 475. 19 x 5 1/4 x 10 in; 44 lb ..... \$1,050

**Forte II.** Same as above, except 250 W/ch; damping factor 600 ..... \$1,110

### Noble I 75-W Mono Amplifier

Features toroidal transformer; 8 outputs; complementary push-pull Class A discrete circuitry; convection air cooling; all output devices matched to ensure linearity and thermal stability. 3-yr warranty. FR 2-100,000 Hz - 1 dB; IM 0.005%; slew rate 50 V/ $\mu$ sec; damping factor 900 at 1,000 Hz. 11 1/2 x 16 x 4 in; 25 lb . \$1,050  
**Noble II.** Similar to above except 200 W; damping factor 1,000 at 1,000 Hz ..... \$1,100

### Otez 250-W Mono Amplifier

Combination Class A and Class AB circuitry. Features modular construction; large power supply; combination circuit breaker and on/off switch; 1 fuse per 2 output transistors; amplifier protection by current sensing devices outside of signal-path. 250 W into 8 ohms; FR 2-100,000 Hz - 1 dB; IM 0.015%; slew rate 50 V/ $\mu$ sec; damping factor 850 at 1,000 Hz. 19 x 8 1/4 x 18 1/2 in; 85 lb ..... \$2,900

## BEDINI

### BA-803 250 W/ch Amplifier

Solid-state circuitry. 250 W/ch rms into 8 ohms and 500 W/ch rms into 4 ohms; THD < 0.15% into 8 ohms at rated power; IM < 1%; FR 20-20,000 Hz; S/N 105 dB; dynamic headroom 3 dB; damping factor 500; slew rate 55 V/ $\mu$ sec. 7 1/2 x 19 x 18 1/2 in; 50 lb ..... \$3,000  
**BA-801.** Similar to above, 100 W/ch rms into 8 ohms; 140 W/ch rms into 4 ohms ..... \$1,500

## BEL

### Model 2002 100-W/ch Amplifier

Dual-mono construction with balanced output; each channel consists of two Class A amplifiers; independent power supply for each chan-



# POWER • AMPLIFIERS

nel. Features input shutdown and status/fault indication of temperature, frequency, output, and load faults in all four amplifiers. 100 W/ch cont avg into 8 ohms; 200 W/ch cont avg into 4 ohms; input imp 22 kilohms; high-level sens 1400 mV; gain 26 dB; bandwidth 3-250,000 Hz with input filter. 5-yr warranty. 19 x 7 1/4 x 14 1/4 in; 52 lb ..... \$3,395

## Model 1001P Mono Amplifier

Class A design; balanced output; temperature-stabilizing circuitry; fault-sensing system; designed to be used with low-imp speakers; optional balanced input. 400 W mono into 1 ohm; input imp 13.5 ohms; high-level sens 1,000 mV; FR 5-200,000 Hz. 5-yr warranty. 17 1/4 x 12 3/4 x 7 1/4 in; 28 lb ..... \$1,595

## Model 1001 50-W/ch Amplifier

Class A design; balanced output; temperature-stabilizing circuitry; fault-sensing system; bridgeable to 100-W mono amp; optional balanced input. 50 W/ch cont avg into 8 ohms; 100 W/ch cont avg into 4 ohms; input imp 27 kilohms; high-level sens 1,000 mV; bandwidth 5-200,000 Hz. 5-yr warranty. 17 1/4 x 12 3/4 x 7 1/4 in; 28 lb ..... \$1,495

Model FET1001. Same as above except with FET circuitry ..... \$1,695

## BELLES RESEARCH

### OCM 500 250-W/ch Amplifier

Class AB 2-channel amplifier utilizing isolar design. Clipping indicators, multiple input connections, toroidal transformers. Input provides monoblock operation at 100 W. FR 1-100,000 Hz; THD 0.2%; damping factor 200. 19 x 5 1/4 x 17 in; 65 lb ..... \$2,495

OCM 200. 125 W/ch amplifier. As above, with balanced input/mono operation at 400 W. 19 x 5 1/4 x 10 in; 42 lb ..... \$1,595

### Belles 450 200-W/ch Amplifier

Solid-state design with dual complementary bipolar transistors and power MOSFETs. All components are mounted on single circuit board. Features Van den Hul cable wiring; toroidal power transformer. 200 W/ch cont from 20-20,000 Hz with <0.01% THD into 8 ohms; FR 0.2-60,000 Hz  $\pm 3$  dB into 8 ohms; damping factor >200. 3-year warranty. 17 x 10 x 13 in; 55 lb ..... \$1,595

### Belles 150 100-W/ch Amplifier

Solid-state design with dual complementary circuitry. All components mounted on single circuit board and direct coupled to inputs and outputs. FR 1-60,000 Hz; THD 0.1%; damping factor 175. 17 x 7 x 8 1/2 in; 24 lb ..... \$749

## BERNING

### EA-2101 100-W/ch Tube Amplifier

Uses triode vacuum tubes. Features regulated power supply; shutdown protection for brown-out conditions and improper bias conditions on tubes. 100 W/ch from 20-20,000 Hz; THD <2% into 8 ohms; four output transformer windings per channel. FR 10-60,000 Hz.  $\pm 1.5$  dB; S/N 100 dB. 19 x 5 1/4 x 19 in; 40 lb ..... \$3,500

## B & K COMPONENTS

### PRO-600 250-W/ch Dual-Mono Amplifier

Dual-mono power amplifier with 250 W/ch cont avg into 8 ohms and 400 W/ch cont avg into 4 ohms. Features Class A pre-driver circuitry driving Class AB MOSFET output stage; toroidal transformers. FR 5-100,000 Hz; THD <0.09% at 1,000 Hz; S/N 95 dB; IM 0.09%; slew rate 25V/ $\mu$ sec; sens 1.8 mV; input imp 24,000 ohms; damping factor 600 dB ..... \$1,298

### Video-5 Sonata 5-Channel 105-W/ch Amplifier

Features 5 discrete amplifier with gold-plated input and output connectors. Designed for surround sound or multiroom installations. FR 5-45,000 Hz  $\pm 3$  dB; S/N 90 dB; dynamic headroom 0.9 dB; slew rate 20V/ $\mu$ sec; THD <0.09% at 1,000 Hz. 17 x 6 x 15 in; 40 lb ..... \$1,298

### M-200 Sonata 200-W Mono Amplifier

Mono amplifier with 200 W into 8 ohms and 400 W into 4 ohms. Features Class A pre-driver circuitry driving Class AB MOSFET output stage. Toroidal transformers; balanced inputs. FR 1-100,000 Hz; THD <0.09% at 1,000 Hz; S/N 95 dB; IM 0.09%; slew rate 25V/ $\mu$ sec; damping factor 1000; dynamic headroom 1.4 dB. 17 x 6 x 15 in; 35 lb ..... \$1,098

PRO-200. Same as above, without balanced inputs ..... \$898

### EX-442 200-W/ch Dual-Mono Amplifier

Dual-mono amplifier with gold-plated input and output connectors. DC coupled circuitry. FR 1-100,000 Hz  $\pm 3$  dB; S/N 95 dB; dynamic headroom 1.4 dB; slew rate 25 V/ $\mu$ sec; THD 0.09%; 350 W into 4 ohms. 19 x 6 x 15 in; 35 lb .. \$948

### ST-202 PLUS 200-W/ch Amplifier

200 W/ch continuous average from 20-20,000 Hz with <0.09% THD into 8 ohms; dynamic headroom 1.1 dB; S/N 95 dB; slew rate 12 V/ $\mu$ sec. 19 x 6 x 15 in; 32 lb ..... \$748

### ST-202 150-W/ch Amplifier

Features gold-plated connectors and ability to drive 8- and 4-ohm loads. 150 W/ch continuous from 20-20,000 Hz with no more than 0.09% THD into 8 ohms; FR 5-45,000 Hz  $\pm 3$  dB; S/N 95 dB; dynamic headroom 1.1 dB; slew rate 11 V/ $\mu$ sec. 200 watts into 4 ohms. 19 x 6 x 15 in; 30 lb ..... \$698

### ST-140 Class A 105-W/ch Amplifier

Class A design up to MOSFET output stage. 105 W/ch continuous average from 20-20,000 Hz with no more than 0.09% THD into 8 ohms. 150 W into 4 ohms; FR 5-45,000 Hz  $\pm 3$  dB; S/N 95 dB; dynamic headroom 1.4 dB; slew rate 11 V/ $\mu$ sec. 19 x 6 x 14 in; 25 lb ..... \$498

ST-140 Mono. Same as above 150 W into 8 ohms ..... \$498

## BOULDER

### Boulder 500 150-W/ch Amplifier

Features two-stage amplification and output-level controls. Toroidal power transformer; shielded power cord; complete protection circuitry with visual indicators for short circuit, DC offset, thermal warnings and thermal offset. LED meter at -40, -20, -6 dB; LED clipping indicators for + and - voltage; removable rack-mount ears; screw-on feet; gold-plated connectors (3-pin input D3E, RCA phono, 5-way output); recessed panel controls. 150 W/ch into 8 ohms; 250 W/ch into 4 ohms. 500 W mono into 8 ohms; FR 20-20,000 Hz; THD 0.005%; slew rate 35 V/ $\mu$ sec stereo, 70 V/ $\mu$ sec mono; imp 10,000 ohms; peak current 50 amperes. 17 x 5 1/4 x 15 1/2 in; 51 lb ..... \$3,699

International version for 100/120/220/240 V AC, 50/60 Hz ..... \$3,999

Boulder 500AE. Similar to above, with balanced outputs and no LED indicators... \$2,999

International version for 100/120/220/240 V AC, 50/60 Hz ..... \$3,299

### Boulder 250AE 75-W/ch Amplifier

Balanced-input amplifier with clip-detection circuitry. Features two-stage amplification, and ground referencing at preamplifier. 75 W/ch into 8 ohms, 125 W/ch into 4 ohms. 250 W mono into 8 ohms; FR 20-20,000 Hz; THD

0.005%; slew rate 25 V/ $\mu$ sec stereo, 50 V/ $\mu$ sec mono; imp 10,000 ohms; peak current 30 amps. 17 x 5 1/4 x 15 1/4 in; 30 lb ..... \$1,999

International version for 100/120/220/240 V AC, 50/60 Hz ..... \$2,199

## BRYSTON

### 6B 500-W/ch Amplifier

Bridgeable to mono with 1,000 W into 4 ohms with avg current of 22 amps; 1,000 W into 1 ohm with 35 amps average; ground-lift switch. 500 W/ch cont from 20-20,000 Hz; THD 0.005%; S/N 105 dB; slew rate 60 V/ $\mu$ sec; IM 0.005%; 19 x 5 1/4 x 12 in; 55 lbs ..... \$1,895

### 4B 250-W/ch Amplifier

Class-AB design with bridging switch. Features 1,500-sq in heat-sink area; regulated power supply to all voltage gain stages; ch sep back to line cord; red LED clipping indicator. 200 W/ch, 800 W bridged into 8 ohms; FR 20-20,000 Hz; THD 0.01%; IM 0.01%; slew rate 60 V/ $\mu$ sec; power bandwidth 1-100,000 Hz; damping factor 500 at 20 Hz, 8 ohms; input sens/imp 1.25 V/50k ohms. 5 1/4 x 19 x 13 1/2 in ..... \$1,795

3B. Similar to 4B except 100 W/ch. 400 W bridged. input sens/imp 1 V/50k ohms; 500-sq in heat-sink area; 5 1/4 x 19 x 9 in ..... \$1,195

2B. Similar to 3B except 50 W/ch. 200 W bridged. input sens/imp 0.75 V/50k ohms; 250-sq-in heat-sink area; 3 1/2 x 19 x 10 in ..... \$695

## CAMBRIDGE AUDIO

### A100 110-W/ch Power Amplifier

Features dual-mono configuration; two oversized toroidal transformers coupled with four large reservoir capacitors; high-pass filter input. 4-mm banana plug/binding post speaker terminals; gold-plated input terminals. THD <0.01% at 50% rated power; S/N 100 dB A; input sens 1.1 V ..... \$635

A70. Same as above. 60-W/ch ..... \$550

## CARVER

### Silver Seven 375-W Mono Tube Amplifier

Mono amplifier with fully balanced circuit topology. Features 14 KT-88 power-output tubes; A-450 Ultra Linear output transformers with oxygen-free primary leads and pure silver secondaries; Wonder Cap capacitors; Van den Hul silver interconnects; pure silver internal wiring with Wonder Solder; polished granite anti-vibration base with Simms aluminum machined transformer end bells; 1, 4, 8-ohm taps. 375 W into 8 ohms; 20-20,000 Hz with <0.5% THD; peak output current 35 amps; FR 1.5 Hz to 100,000 Hz  $\pm 0$  dB. 150 lb ..... \$8,750

### Silver Seven-t Mark II 550-W Mono Amplifier

Transfer Function modified amplifier features shock-isolation mounting. Lighted analog power meter. Black finish. FR 20-20,000 Hz; THD 0.5%; S/N >100 dB A-weighted. 7 x 11 1/2 x 14 1/2 in ..... \$1,000

### TFM-45 375-W/ch Amplifier

Stereo magnetic-field amplifier with transfer function calibration. Features voltage into 2, 4, 8 ohms; analog power meters. 375 W/ch into 8 ohms; 500 W/ch into 4 ohms; 1,000 W/ch bridged mono; THD 0.5%; slew rate 180 V/ $\mu$ sec; input imp 100 kilohms. 20 lb ..... \$950

TFM-42 375-W/ch Amplifier. Same as above with LED "ladder" power meter ..... \$900

### AV-64 Amplifier

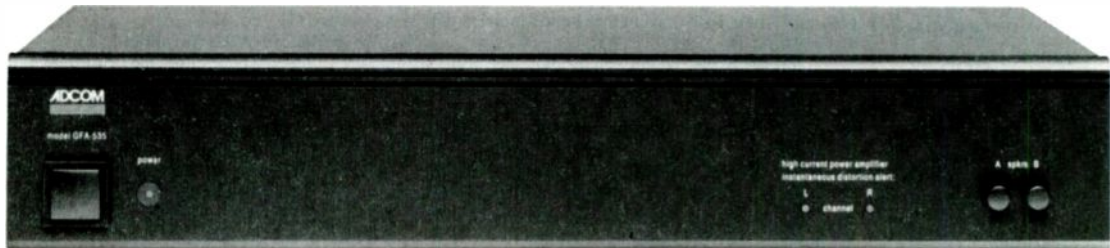
Two stereo magnetic-field power amplifiers in one chassis for surround sound, satellite/subwoofer systems, and multiroom applications. Features 3-4-channel modes; 18 dB/octave

# "In its price category, the Adcom GFA-535 is not only an excellent choice; it's the only choice."

Sam Tellig, The Audio Cheapskate

**stereophile**

Vol. 10 No. November 1987



## Adcom GFA-535 power amplifier.

### The complete report:

Sometimes products are too cheap for their own good, and people don't take them seriously: the Superphon Revelation Basic Dual Mono preamp, Rega RB300 arm, AR ES-1 turntable, Shure V15-V MR cartridge, and the B&K ST-140 power amp. They can't be any good because they cost so little, right?

Wrong, of course.

Adcom appears to be having the same problem with their \$299.95 GFA-535 amp. Credibility.

Now if this amplifier were imported from England and sold for \$599.95, then maybe it would be taken seriously. And highly praised, no doubt.

For the baby Adcom is one of the finest solid-state amps I have heard. No, not the best; I'm not sure what *is* the best. But it's an amplifier that is so good for so little money as to be practically a gift.

Actually, when Rob Ain from Adcom called, I was about as enthusiastic about the GFA-535 as you were before you finish reading this piece. But Rob insisted, "You've gotta hear this amp."

He brought it over the next day, along with the GFP-555 preamp (\$499.95), and we put both pieces into the rest of the system: a Shure Ultra 500 in a Rega RB300 arm on an AR ES-1 table, with Quad ESL-63 speakers on Arcici stands. Then we chatted for a half hour or so while the electronics warmed up.

And then, simultaneously, the two of us decided to shut up and listen.

"I've never heard the Quad ESL-63 sound better," Rob said. Of course, he was hardly an impartial observer, but the sound was extraordinarily clean, detailed, and musical. If it wasn't the best sound I have ever heard from Quads, it was pretty close.

This humble \$300 amplifier was driving a pair of very revealing \$3000 speakers and giving a very good account of itself. (We listened first to some Goran Sollscher classical guitar.)

"So how come this product isn't flying off the dealers' shelves?" I asked Rob.

"I don't know. Everyone wants the GFA-555 with 200 watts per channel. Including people who don't need it."

"Does the GFA-555 sound any better?" I asked.

"It's our aim to have all our amps sound pretty much the same. You pay more money, you get more power."

Rob pointed out that while the GFA-535 is rated at 60Wpc, it puts out more like 80. And while I did not do any measurements, my experience with other amps tells me Rob's right. I suppose Adcom doesn't want to steal sales from its GFA-545, rated at 100Wpc and selling for \$200 more.

After a couple of hours, Rob left, grinning from ear to ear, and I later sat down to listen alone. True, when I tried certain Telarcs and pushed hard I could get the amplifier to clip—two LEDs quickly light up (very useful). But the Quads were running out of the ability to use the power anyway. My first impressions

were confirmed: the GFA-535 is one of the best amplifiers around for driving Quads. Spondor SP-1s, too.

Suddenly, it hit me what this meant. Conventional wisdom had been dealt a severe blow. You know, the old saw that you should never power a good pair of speakers with a

**“The GFA-535 reminds me of... amplifiers that sell... for about three and five times the price.”**

cheap amplifier. Here was a cheap amp—one of the cheapest on the market—that sounded good with Quads, Spondors, later Vandersteens. Probably Thiels, too—at least the CS1. What it means is you can stretch your speaker budget a bit and get the speakers you really want, then economize by buying an Adcom GFA-535 for \$299.95. True, you may be a little power shy, but probably not much. And to say the least, the GFA-535 would make a decent interim amp.

What does the GFA-535 sound like? (You thought I'd forget that part, right?) Well, this is one of the most neutral amps I've heard.

**“...the baby Adcom is one of the finest solid-state amps I have heard... so good for so little money as to be practically a gift.”**

While it doesn't sound particularly tubelike, it avoids the typical transistor nasties through the midrange and into the treble. I wouldn't call it sweet—there's no euphonic coloring—but it isn't cold or sterile. What it is, is smooth. And detailed. Far more detailed than I would ever imagine a \$300 amplifier could be. The GFA-535 reminds me of the Eagle 2A and PS Audio 200C, amplifiers that sell, respectively, for about three and five times the price. Of course, they have more power. And they *are* more detailed. The point is, the Adcom comes close. Very close.

The bass, like everything else, is neutral, certainly not fat and overdone. But it's here where

you notice that this amp is not a powerhouse. You just don't get the solidity and extension you get with a very powerful (and expensive) solid-state amp. Nor do you get the breadth and depth of soundstage that you often find with a very powerful amp. The Adcom GFA-535 sounds a wee bit small, which it is.

My only criticism, and it's more of a quibble, is that the speaker connectors are non-standard and unique (so far as I know). You insert bared speaker wire into a hole and twist the connector tight a quarter turn. Most speaker cables will fit, but some will not. Certainly MIT won't. Neither will the best Kimber, the kind with eight clumps of strands. The less costly four-clump Kimber will, and proved an excellent choice. My sample amp was quiet—

**“This amplifier is so good and so cheap that I think any CD owner who buys an integrated amp is nuts.”**

no hum—and ran cool. There are selectors for two sets of speakers. And the 535 looks nice.

And talk about economy: If you're not into LPs anymore, you could buy a Mod Squad, dbx, or Old Colony line-level switching box—or possibly a B&K Pro 5 preamp, with its switchable line amp section (only \$350), or the Adcom SLC-505 passive preamp (\$150)—and run it with a CD player. In fact, if you are into CD only (no tape, no tuner, no phono), you could buy a CD player with a variable volume output and run it directly into the Adcom. This amplifier is so good and so cheap that I think any CD owner who buys an integrated amp is nuts.

In its price category, the Adcom GFA-535 is not only an excellent choice; it's the only choice. The real question is whether you should buy one even if \$299.95 is much *less* than you planned to spend for an amp—*ie*, whether you should put the money into a better CD player or pair of speakers instead.

**ADCOM**<sup>®</sup>  
fine stereo components

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PRO ACOUSTICS INC. Pointe Claire, Quebec H9R 4X5

# POWER • AMPLIFIERS

electronic crossover with 75 Hz turnover point. Rear-panel trim level controls. 4 x 60 W into 8 ohms, or 60 x 2 + 180 W mono subwoofer output; THD 0.15%; FR 3-36,000 Hz -3 dB; input imp 10 kilohms, 14 lb ..... \$780

## TFM-25 225-W/ch Amplifier

Stereo magnetic-field amplifier with transfer function calibration. Features voltage into 2, 4, 8 ohms; analog power meters. 225 W/ch into 8 ohms; 350 W/ch into 4 ohms; 350 W bridged mono; THD 0.5%; slew rate 180 V/ $\mu$ sec; input imp 100 kilohms, 20 lb ..... \$670

**TFM-22 225-W/ch Power Amplifier.** Same as above without power meter ..... \$600

## TFM-15 100-W/ch Amplifier

Transfer function modified amplifier featuring dual analog meters with level selection, A/B speaker switching; LR input-level controls. FR 20-20,000 Hz; THD 0.1%; S/N 100 dB A-weighted. 3 1/2 x 19 x 12 in ..... \$400

## CELLO

### Performance 200-W/ch Mono Amplifier Pair

Features 2 mono amps which employ 8 driver transistors and forty 250-W output devices per amplifier; dual-choke power supplies; 2 electrically conductive heat sink tunnels cooled by two fans per chassis ..... \$16,000

**Bridging Kit.** For use with above ..... \$340

### Encore 60-W Mono Amplifier

Comprises two mono amplifiers in independent chassis. Features dual-choke power supply; copper, nickel-plated heat sink; 40 output devices per channel. Can be used as dual-mono amplifiers (mono kit required) ..... \$6,000

**Bridging Kit.** For use with above ..... \$250

## CITIZEN

### PAF-303 25-W/ch Amplifier

Class A operation. 25 W/ch cont; FR 40-20,000 Hz; THD 0.5%; signal-to-noise ratio 85 dB. 2 1/2 x 6 1/2 x 10 1/4; 7 1/4 lb ..... \$165

## CONRAD-JOHNSON

### Premier One B 150-W/ch Amplifier

Low-noise precision parts in audio circuitry; LED bias indicators. 150 W/ch into 4, 8, or 16 ohms; S/N 90 dB ..... \$5,750

### Evolution 2000 200-W/ch Hybrid Amplifier

Hybrid/tube driver with MOSFET output configuration; zero feedback design. 125 lb ..... \$4,995

### MV100 90-W Mono Tube Amplifier

Features low-imp power supplies and extensive use of polystyrene capacitors; LED bias indicators. 90 W into 8 ohms; S/N 94 dB; 19 x 9 x 20 1/2 in; 90 lb ..... \$2,950

**MV52.** Similar to above. 45-W into 8 ohms. 40 lbs ..... \$1,895

### MF200 200-W/ch Amplifier

MOSFET output stage, JFET input stage. Low feedback circuit design. Features polypropylene and polystyrene capacitors in all circuits. 200 W/ch from 20-20,000 Hz; THD < 1.0% into 8 ohms; S/N 98 dB. 19 x 12 1/2 x 8 3/4 in; 59 lb ..... \$1,995

**MF80.** Similar to above, but 80 W/ch ..... \$1,395

## COUNTERPOINT

### SA-4 160-W Mono Tube Amplifier

Capacitorless, transformerless output. IC coupled OTL monoblock. Servo feedback loop to reduce IC and low-frequency offsets. Eight 6L6 tubes employed in "Totem Pole" configuration. User-adjustable bias. Available in black

or silver finish. FR 0.8-100,000 Hz; S/N 92 dB; THD 0.06%; Output imp 30 ohms. 19 x 6 1/4 x 19 in; 59 lb ..... \$6,595/pr

### SA-220 220-W/ch Hybrid Amplifier

Tube input, MOSFET output design featuring 1 kV transformer and copper-plated chassis. Analog protection circuitry not in signal path; bridgeable to 700 W mono; drives imp loads to 1 ohm. Available in black or silver finish. FR 1.2-200,000 Hz; S/N 84 dB; THD 0.02%; output imp 12 ohms. 19 x 6 1/4 x 19 in; 69 lb ..... \$2,795

### SA-100 100-W/ch Hybrid Amplifier

Tube input, MOSFET output design featuring 1 kV transformer and copper-plated chassis. 3 dB headroom; drives min imp loads of 4 ohms. Available in black or silver finish. FR 5-100,000 Hz; S/N 92 dB; THD < 1.0%. 19 x 4 1/2 x 12 1/4 in; 28 lb ..... \$1,295

### Solid-1 100-W/ch Amplifier

Features FET signal path, 3 dB headroom; drives min imp loads of 4 ohms. 19 x 4 1/2 x 12 1/4 in; 18 lb ..... \$795

## CROWN

### MA-10000 Mono Amplifier

Mono amplifier 7,600 W into 0.5 ohms; grounded bridge circuitry; balanced XLR input connectors; front-panel level controls; variable input sensitivity; voltage and input input indicators; forced-air cooling; FR 20-20,000 Hz  $\pm$  0.25 dB; THD < 0.1% 50-4,500 Hz; IM < 0.05%; slew rate 40 V/ $\mu$ sec; damping factor > 1,000; 3 phase, 208 V  $\pm$  50 Hz; 19 x 10 1/2 x 17 1/4 in; 128 lb ..... \$9,995

### Macro Reference 750-W/ch Amplifier

High excursion, 20-bit digital range amplifier. Features multiple plug-in input configurations; grounded bridge circuitry; front-panel level controls; 2 input sensitivities; bridged mono and parallel mono modes; ground-isolation switch; convection cooling with variable-speed forced-air cooling; FR 3-100,000 Hz; damping factor > 200,000; 19 x 7 x 16 in; 62 lb ..... \$3,500

### PSA-2 275-W/ch Amplifier

275 W/ch into 8 ohms; 460 W/ch into 4 ohms; 700 W/ch into 2 ohms or 915 W/ch into 8 ohms mono; input-level controls; multimode AB + B circuitry; bridged mono mode; signal and standby indicators; ground isolation jumper; low-frequency protection; 2-speed forced-air cooling; FR 3-20,000 Hz  $\pm$  0.1 dB; THD < 0.05% 20-20,000 Hz; IM < 0.015%; slew rate 30 volts/ $\mu$ sec; damping factor > 700; 90 W draw at idle. 19 x 7 x 14 1/4 in ..... \$1,995

### MA-2400 520-W/ch Amplifier

520 W/ch into 8 ohms; 820 W/ch into 4 ohms; 1,100 W/ch into 2 ohms or 2,020 W/ch into 4 ohms mono; level controls; dual power supplies; grounded bridge circuitry; balanced XLR input connectors; front-panel level controls; 2 input sensitivities; bridged mono and parallel mono modes; ground-isolation switch; forced-air cooling; FR 20-20,000 Hz  $\pm$  0.1 dB; THD < 0.1% 20-20,000 Hz; IM < 0.05%; slew rate 13 V/ $\mu$ sec; damping factor > 1,000; 60 W draw at idle; 19 x 3 1/2 x 16 in; 51.75 lb ..... \$1,995

### MA-1200 320-W/ch Amplifier

320 W/ch into 8 ohms; 495 W/ch into 4 ohms; 700 W/ch into 2 ohms or 1,315 W/ch into 4 ohms mono; input-level controls; dual power supplies; grounded bridge circuitry; balanced XLR input connectors; front-panel level controls; 2 input sensitivities; bridged mono and parallel mono modes; ground-isolation switch; forced-air cooling; FR 20-20,000 Hz  $\pm$  0.1 dB; THD < 0.1%; IM < 0.05%; slew rate > 13 volts/ $\mu$ sec;

damping factor > 1,000; 60 W draw at idle. 19 x 3 1/2 x 16 in; 44.6 lb ..... \$1,565

### MA-600 235-W/ch Amplifier

235 W/ch into 8 ohms; 340 W/ch into 4 ohms; 410 W/ch into 2 ohms or 775 W/ch into 4 ohms mono; input-level controls; dual power supplies; grounded bridge circuitry; balanced XLR input connectors; front-panel level controls; 2 input sensitivities; bridged mono and parallel mono modes; ground-isolation switch; forced-air cooling; FR 20-20,000 Hz  $\pm$  0.1 dB; IM < 0.1% 20-20,000 Hz; slew rate 13 V/ $\mu$ sec; damping factor > 1,000; 60 W draw at idle. 19 x 3 1/2 x 16 in; 39.6 lb ..... \$1,295

### MT-1200 320-W/ch Amplifier

320 W/ch into 8 ohms; 465 W/ch into 4 ohms; 600 W/ch into 2 ohms or 1,200 W/ch into 2 ohms mono; input-level controls; grounded bridge circuitry; dual power supplies; 2 input sensitivities; bridged mono and parallel mono modes; supply indicators; ground-isolation switch; forced-air cooling; FR 20-20,000 Hz  $\pm$  0.1 dB; THD < 0.1% 20-20,000 Hz; IM < 0.05%; slew rate 13 V/ $\mu$ sec; damping factor > 1,000; 60 W draw at idle. 19 x 3 1/2 x 16 in; 40.6 lb ..... \$1,295

### DC-300A II 175-W/ch Amplifier

175 W/ch into 8 ohms; 305 W/ch into 4 ohms or 610 W/ch into 8 ohms mono; input-level controls; stereo-mono switch; convection cooling; FR 0-20,000 Hz  $\pm$  0.15 dB; THD < 0.05% 20-20,000 Hz; IM < 0.01%; slew rate 16 V/ $\mu$ sec; damping factor > 750; 40 W draw at idle; 19 x 7 x 9 1/4 in; 45 lb ..... \$1,095

### PS-400 190-W/ch Amplifier

190 W/ch into 8 ohms; 330 W/ch into 4 ohms or 660 W/ch into 8 ohms mono; independent input level controls; multimode AB + B circuitry; stereo/mono switch; ground-isolation jumper; low-frequency protection; convection cooling; FR 3-20,000 Hz  $\pm$  0.1 dB; THD < 0.05% 20-20,000 Hz; IM < 0.01%; slew rate 16 V/ $\mu$ sec; damping factor > 400; 30 W draw idle. 19 x 7 x 10 1/4 in; 55 lb ..... \$1,069

### MT-600 235-W/ch Amplifier

235 W/ch into 8 ohms; 325 W/ch into 4 ohms or 680 W/ch into 4 ohms mono; input-level controls; grounded bridge circuitry; dual power supplies; 2 input sensitivities; bridged mono and parallel mono modes; supply indicators; ground-isolation switch; forced-air cooling; FR 20-20,000 Hz  $\pm$  0.1 dB; THD < 0.1% 20-20,000 Hz; IM < 0.05%; slew rate 13 V/ $\mu$ sec; damping factor > 1,000; 60 W draw at idle. 19 x 3 1/2 x 16 in; 39.6 lb ..... \$1,049

### PB-2 320-W/ch Amplifier

320 W/ch into 8 ohms; 400 W/ch into 4 ohms or 960 W/ch into 8 ohms mono; input-level controls; grounded bridge circuitry; 2 input sensitivities; bridged mono and parallel mono modes; forced-air cooling; FR 20-20,000 Hz  $\pm$  0.1 dB; THD < 0.01% 20-20,000 Hz; IM < 0.05%; slew rate 13 V/ $\mu$ sec; damping factor > 1,000; 60 W draw at idle; 19 x 3 1/2 x 16 in; 32 lb ..... \$1,049

### PS-200 100-W/ch Amplifier

100 W/ch into 8 ohms; 170 W/ch into 4 ohms or 345 W/ch into 8 ohm mono; input-level controls; multimode AB + B circuitry; stereo/mono switch; ground-isolation jumper; low-frequency protection; convection cooling; FR 3-20,000 Hz  $\pm$  0.1 dB; THD < 0.05% 20-20,000 Hz; IM < 0.01%; slew rate 16 V/ $\mu$ sec; damping factor > 400; 30 W draw at idle. 19 x 5 1/4 x 10 1/4 in; 25 lb ..... \$859

### D-75 40-W/ch Amplifier

40 W/ch into 8 ohms; 55 W/ch into 4 ohms or

# POWER • AMPLIFIERS

110 W/ch into 8 ohms mono; input-level controls; stereo/mono switch; convection cooling; FR 20-20,000 Hz  $\pm 0.1$  dB; THD  $< 0.05\%$  20-20,000 Hz; IM  $< 0.01\%$ ; slew rate 6 V/ $\mu$ sec; damping factor  $> 400$ ; 15 W draw at idle; 19 x 9 x 1 1/4 in; 10 lb ..... \$524

## PB-1 205-W/ch Amplifier

205 W/ch into 8 ohms; 230 W/ch into 4 ohms or 430 W/ch into 8 ohms mono; input-level controls; grounded bridge circuitry; 2 input sensitivities; bridged mono and parallel modes; forced-air cooling; FR 20-20,000 Hz  $\pm 0.1$  dB; THD  $< 0.01\%$  20-20,000 Hz; IM  $< 0.05\%$ ; slew rate 13 V/ $\mu$ sec; damping factor  $> 1,000$ ; 60 W draw at idle; 19 x 3 1/2 x 16 in; 30 lb ..... \$799

## D-150A II 95-W/ch Amplifier

95 W/ch into 8 ohms; 150 W/ch into 4 ohms or 310 W/ch into 8 ohms mono; input-level controls; stereo/mono switch; convection cooling; FR 0-20,000 Hz  $\pm 0.15$  dB; THD  $< 0.05\%$  20-20,000 Hz; IM  $< 0.01\%$ ; slew rate 6 V/ $\mu$ sec; damping factor  $> 400$ ; 30 W draw at idle; 19 x 5 1/4 x 8 1/2 in; 24 lb ..... \$795

## DB SYSTEMS

### DB-6A 40-W/ch Amplifier

Stable into 1-ohm loads. Features 12-dB/octave infrasonic filter; peak-clipping LED's; electronic clamp. Output power 40 W/ch continuous into 8 ohms from 20-20,000 Hz at 0.003% THD; THD 0.0008% at 1,000 Hz; IM  $< 0.002\%$ ; FR 20-40,000 Hz  $+0, -1$  dB; input sens/imp 1 V/50 kilohms; S/N 112 dB at 1 V A-wtd; slew rate 15 V/ $\mu$ s; damping factor  $> 400$ ; 20-1,000 Hz. 16 x 4 1/4 x 12 1/4 in ..... \$795

DB-6A-M. Similar to DB-6A except bridged mono amp at 140 W continuous with 0.008% THD; slew rate 30V/ $\mu$ sec ..... \$795  
19-in rack adaptor ..... \$55  
Mono version of DB-6A to DB-6A-M ..... \$39  
DB-6A-M(2). Similar to DB-6A-M except pair of mono amplifiers ..... \$1,545

### Updates and Modifications

DB-6A. Modification increases power supply capacitance to 126,000  $\mu$ F ..... \$200  
Power-Supply Increase. Improvement triples power supply capacitance to 42,000  $\mu$ F for cleaner clipping. Gold-plated binding posts and jacks; warranty extension to 2 years ..... \$160  
Stereo-to-Mono Conversion. Conversion from 40 W stereo amplifier to 140 W mono amplifier ..... \$39

## dbx

### BX-3MkII 400-W/ch Amplifier

2-/3-/4-channel power amplifier able to power 8 speakers at one time. Features DC configuration with a dual-FET input stage; separate volume controls for each channel. Power output into 2/3/4 channels: 400 W/ch into 8 ohms, 125 W/ch plus 400 W into third subwoofer channel; 125 W x 4; ch; 0.003% THD. Dark-cherrywood side panels ..... \$1,299

## DENON

### POA-6600A 260-W A Mono Amplifier

Mono amplifier featuring Class A circuitry. Control signal is optically coupled to bias regulator; dynamic power output of 1,100 W into 1 ohm; high-speed protection circuit with resettable circuit breaker; self-diagnostic circuit with LED status indicators. Balanced XLR-type input or phono-type input selected with front-panel switch; front-panel input-level control; A/B speaker control; peak-signal meter; remote power switching from compatible Denon

preamp. FR 1-300,000 Hz  $-3$  dB; S/N 123 dBA; THD  $< 0.002\%$  ..... \$750  
POA-4400A. Similar to POA-6600A, except 150 W into 8 ohms; FR 1-300,000 Hz; S/N 120 dBA; THD  $< 0.002\%$  ..... \$500

### POA-2400A 200-W/ch Amplifier

Features Class A circuitry. Control signal is optically coupled to bias regulator; dynamic power output 750-W/ch into 1 ohm; high-speed protection circuit with resettable circuit breaker; self-diagnostic circuit with LED status indicators. Phono-type level-controlled and direct inputs selected with front-panel switch; A/B speaker control; peak-signal meter. FR 1-300,000 Hz  $-3$  dB; S/N 123 dBA; THD  $< 0.002\%$  ..... \$750

### POA-800 50-W/ch Amplifier

Bridgeable stereo amplifier with discrete MOSFET output transistors. Features 3-way speaker terminals; peak-signal indicator; remote power control from Denon preamps. 50 W/ch into 8 ohms; 120 W into 8 ohms (bridged); THD  $< 0.05\%$  ..... \$300

## DISCRETE TECHNOLOGY

### LS11a 140-W Mono Amplifier

Mono amplifier with dual tracking, thermal coupled matched front-end transistors. Features cascode voltage section; 1% metal-film resistors; polystyrene and polypropylene capacitors. Power rating 140 W rms into 8 ohms from 20-20,000 Hz at  $< 0.05\%$  THD; FR 2-100,000 Hz  $-3$  dB; S/N 100 dB below 10 W output; IM  $< 0.05\%$  (SMPT) at any power level up to 140 W into 8 ohms; slew rate 60 V/ $\mu$ sec; damping factor 200 at 50 Hz; dynamic headroom 4.2 dB at 8 ohms ..... \$1,500/pr

### LS11a 140-W/ch Amplifier

Stereo amplifier with dual tracking, thermal coupled matched front-end transistors. Features cascode voltage section; 1% metal-film resistors; polystyrene and polypropylene capacitors; platinum interconnect cable. Power rating 140 W/ch rms into 8 ohms from 20-20,000 Hz  $> 0.09\%$  THD; FR 3-100,000 Hz  $-3$  dB; S/N 90 dB below 10 W output; IM  $< 0.09\%$  using (SMPT) at any power level up to 140 W into 8 ohms; slew rate 45 v/ms; damping factor 100 at 50 Hz; dynamic headroom 3.2 dB at 8 ohms ..... \$1,250

## ELECTROCOMPANET BY MUSIC & SOUND IMPORTS

### Ampliwire 250 250-W/ch Amplifier

Class A amplifier features 1,000 VA toroidal transformer and separate power supply with 60,000  $\mu$ F per channel. FR 20-20,000 Hz; S/N 97 dB; THD  $< 0.003\%$ ; input imp 47 kilohms; input sens 1 V. 19 x 8 1/4 x 17 1/4 in; 65 lb ..... \$3,995

### Ampliwire 100 100-W/ch Amplifier

Class A amplifier features toroidal transformer, and separate power supply per channel. FR 20-20,000 Hz; S/N 97 dB; THD  $< 0.003\%$ ; input imp 47 kilohms; input sens 1 V. 17 1/4 x 5 1/4 x 14 1/4 in; 35 lb ..... \$2,195

### Ampliwire 75 75-W/ch Dual Mono Amplifier

Class A dual-mono amplifier featuring separate toroidal transformer and separate power supply per channel. FR 20-20,000 Hz; S/N 100 dB; THD  $< 0.007\%$ ; input imp 47 kilohms; input sens 1 V. 17 x 5 1/4 x 14 1/4 in; 35 lb ..... \$2,195

## FENTON AUDIO

### Stereobate II 300-W Mono Amplifier

Class A and A/B operation. Features MOSFET

circuitry; water-cooled; optional balanced inputs. Power 300 W/ch cont avg into 8 ohms, 600 W/ch cont avg into 4 ohms; THD 0.0022%; slew rate 500 V/ $\mu$ s; FR 20-150,000 Hz ..... \$2,300/pr

## FORTE AUDIO

### Model 1a 50-W/ch Amplifier

Dual-channel, noninverting power amp using FET/bipolar front-end topology and operating in pure Class A throughout front-end and power-output stages. Input stage is direct coupled and biased with regulated constant-current sources. Output stage employs 20 high-speed power devices and uses no active protection circuits. Does not impose a fuse or isolation inductor at the output and maintains constant damping over the full frequency band. Gold-plated input and output connectors. Glass-epoxy circuit boards. Custom toroidal power transformer. Rated power 50 W/ch at 0.1% THD into 8 ohms; FR 20-20,000 Hz; bandwidth  $-3$  dB at 7 and 100,000 Hz; slew rate 40 V/ $\mu$ sec; imp 75,000 ohms. 19 x 7 x 11 in; 36 lb ..... \$1,250

### Model 3 200-W/ch Amplifier

Similar to Model 1a except higher power with output stage operating in high-bias Class AB. Rated power 200 W/ch at 0.01% THD into 8 ohms; FR 20-20,000 Hz; bandwidth  $-3$  dB at 7 and 100,000 Hz; slew rate 40 V/ $\mu$ sec; imp 75,000 ohms. 19 x 7 x 11 in; 36 lb ..... \$1,250

## FOSGATE-AUDIONICS

### S-150 125-W/ch Amplifier

Amplifier designed for use with surround audio systems. Features discrete fully complementary circuitry; defeatable bass filter; input-level control; soft-clipping circuit. FR 20-20,000 Hz; 125 W/ch into 8 ohms; 200 W/ch into 4 ohms; THD and IM  $< 0.05\%$  ..... \$849  
T-150. 3-channel version of above; 125 W x 3 ..... \$999

### M-60 MkII 35-W Mono Amplifier

Mono amplifier with discrete fully complementary circuit designed for AV system. Features input-level control; designed for center ch amplification in surround audio systems. 60 W at 4 ohms; 35 W at 8 ohms; THD and IM  $< 0.2\%$  at rated output from 20-20,000 Hz; FR 20-20,000 Hz  $\pm 1$  dB. 8 1/2 x 2 1/4 x 7 1/2; 6 lb ..... \$199

## GOLDMUND BY INTERNATIONAL AUDIO

### Mimesis 9.2 250-W Mono Amplifier

Employs a mechanical grounding principle to reduce noise. Features separate ground for each channel; floating chassis; switch for coupling ground signal; DC, overload, and thermal protection; AC line fuse. FR 0-150,000 Hz  $\pm 1$  dB; S/N  $> 115$  dB; slew rate  $> 100$  V/ $\mu$ sec. 19 x 10 x 19 in; 143.3 lb ..... \$9,990  
Mimesis 9. Same as above, 175-W/ch ..... \$9,990

### Mimesis 3 100-W/ch Amplifier

Features DC coupled, low group-delay circuitry; proprietary self-compensating symmetrical configuration; 4 separate toroidal transformers molded in double-shielded box with special epoxy compound to minimize radiation and vibration transmission; 8 power supplies; standby switch; safety circuits protect against thermal overload, short-circuit, DC offset, high-frequency oscillation, and current overload. FR 0-150,000 Hz  $\pm 1$  dB; S/N  $> 105$  dB; slew rate  $> 100$  V/ $\mu$ sec; 19 x 15 1/2 x 1 1/4 in; 34.2 lb ..... \$5,950

### Mimesis 125-W/ch Amplifier

Employs mechanical grounding principle designed to minimize noise. Features mounted

# POWER • AMPLIFIERS

output stage and transformers; oscillation and DC offset protection; asymmetrical and symmetrical inputs; 2 power keys for protection against accidental power off. FR 0-400,000 Hz  $\pm$  1 dB; S/N > 100 dB; slew rate 100V/ $\mu$ sec. 3-yr parts and labor warranty. 19 x 6 x 19 in; 77 lb. .... \$4,990

## Mimesis 6 80-W/ch Amplifier

Features proprietary self-compensating symmetrical circuitry; protection circuits. S/N > 80 dB; slew rate > 100 V/ $\mu$ sec. 19 x 13 1/4 x 2 1/2 in; 27.6 lb. .... \$3,390

## HAFLER

### XL-600 305-W/ch Amplifier

Excellent near-zero-phase-shift circuit with J-FET double-differential push-pull cascoded "tube-like" input and current-mirroring in 2nd stage. 16 MOSFET outputs; direct coupled; stable into all loads; high capacitance (72,000 mF); gold-plated inputs and outputs; mono bridging switch; variable-speed DC fan cooling. 305 W/ch into 8 ohms with THD < 0.08% from 20-20,000 Hz; < 0.04% IM from 1-305 W; 450 W/ch into 4 ohms; 900 W mono into 8 ohms; input sens 1.8 volts for 305 W at 8 ohms; FR 10-50,000 Hz  $\pm$  0.1 dB; S/N > 100 dB at 305 W; slew rate 100 V/ $\mu$ S; damping factor > 200 at 1,000 Hz. 19 x 7 x 13 in; 51 lb. .... \$1,249

### XL-280 145-W/ch Amplifier

J-FET double-differential input and 12-MOSFET output. Excellent speaker tweaking adjustment; gold-plated inputs; mono bridging switch; speaker protection fuses. 200 W/ch into 4 ohms. 400 W/ch mono into 8 ohms. FR 10-50,000 Hz  $\pm$  0.1 dB; THD < 0.05%; IM < 0.04%; S/N > 100 dB; slew rate 75 V/ $\mu$ S; damping factor 300 at 1,000 Hz. 17 x 5 1/2 x 10 1/2 in; 27 lb; assembled ..... \$725  
 XL-281. Sculpted rack panel w/handles ... \$60  
 XL-282. Sculpted non-rack mount panel ... \$45  
 XL-285. Flat rack panel ..... \$35

### SE-240 120-W/ch Amplifier

J-FET double-differential push-pull cascoded input stage. 8 lateral MOSFET outputs; bridging switch; gold-plated input jacks; five-way binding posts for speaker connections. Power handling 120 W/ch into 8 ohms from 20 to 20,000 Hz; 175 W/ch into 4 ohms; 350 W bridged mono into 8 ohms; FR 4-40,000 Hz  $\pm$  0.5 dB; THD 0.025%; IM 0.005%; slew rate 45 V/ $\mu$ sec; S/N > 100 dB; damping factor 300 at 1,000 Hz into 8 ohms; 200 at 10,000 Hz into 8 ohms. 17 x 5 1/2 x 10 1/2 in; 27 lbs ..... \$549

### SE 120 60-W/ch Amplifier

Features four lateral MOSFET outputs; all-discrete drive circuitry; bridging switch; gold-plated input jacks and five-way binding posts for speaker connections. 60-W/ch into 8 ohms from 20 Hz-20,000 Hz; 100 W bridged mono into 8 ohms; FR 10-40,000 Hz  $\pm$  0.5 dB; THD < 0.009%; IM 0.005%; S/N > 100 dB; damping factor 100-1,000 Hz into 8 ohms; 50-10,000 Hz into 8 ohms. 17 x 3 1/4 x 9 1/2 in; 18 lbs ..... \$349

## HEATH

### AAW-2500 100-W/ch Amplifier

Features four dual-polarity power supplies and protection circuit to shield speakers from turn-on transients and prevent short circuit by muting audio when IM drops below 2 ohms. Features toroidal power transformer; high-grade capacitors; high instantaneous current capability 60 amps. 100 W/ch cont into 8 ohms; FR 100-170,000 Hz; THD < 0.06%; signal-to-noise ratio 98 dB. 17 1/2 x 4 x 13 1/2 in; 30 lb ..... \$225  
 AA-2500. Unassembled kit; 33 lb. .... \$225

## HEYBROOK BY D'ASCANIO AUDIO

### P-3 100-W/ch Amplifier

Hand-assembled with toroidal transformer capable of 30-amp output. Features circuits designed with close-tolerance, high-quality components. Thick aluminum chassis acts as a heat sink over entire surface. 100 cont average W/ch from 20-20,000 Hz into 8 ohms with no more than 0.05% THD. 120 W into 4 ohms; S/N 60 dB; IM 0.05%; instantaneous peak current  $\pm$  30 A. 17 x 4 x 12 in; 18 lb. .... \$1,398

## HTG BY MUSIC & SOUND IMPORTS

### SPA-100 100-W/ch Amplifier

Low-feedback, DC-coupled design. 2 sets of speaker binding posts for biwiring; optional balanced inputs. FR 20-40,000 Hz; THD < 0.05%; input sens 1 V; S/N 95 dB; slew rate 50 V/ $\mu$ sec; input imp 20 kilohms. 17 x 5 x 9 in; 23 lb. .... \$849  
 SPA-50. Similar to above. 50 W/ch ..... \$549

## JEFF ROWLAND

### Model 7 350-W Mono Amplifier

Solid-state mono amp with FET front-end circuitry and bipolar outputs. Features direct-coupled zero-negative-feedback circuitry to eliminate all capacitors and inductors from signal path; separate power supplies for front-end circuitry; toroidal power supplies with 132,000-microfarad capacitance for over 500 joules of energy; remote AC power switching; internal voltage switching (100 V-240 V AC). Balanced or unbalanced inputs standard with XLR connector. Adjustable input imp for optimum input cable termination 350 W/700 W/1100 W RMS into 8/4/2 ohms. Class A operation to over 50 watts. FR 0.15-160,000 - 3 dB; THD < 0.015%. 1,000 Hz. 20 W; sens 136 mV. 1 W, 8 ohms; slew rate 50 V/ $\mu$ sec; damping factor > 300. 20-20,000 Hz; 19 x 8 1/4 x 24 in; 141 lb ..... \$5,650

### Model 5 150-W/ch Amplifier

Solid-state amp with FET front-end circuitry and bipolar outputs. Features direct-coupled zero-negative-feedback circuitry; separate power supplies; toroidal power transformer with 164,000-microfarad total capacitance; remote AC power switching; internal universal voltage switch; balanced or unbalanced inputs standard with XLR connector; adjustable input imp; Class A operation to over 35 watts; 150 W/300 W/475 W RMS into 8/4/2 ohms; bridgeable to 550 W mono into 8 ohms. FR 0.15-250,000 Hz - 3 dB; THD < 0.03%. 1,000 Hz. 20 W; slew rate 75 V/ $\mu$ sec; sens 136 mV. 1 W, 8 ohms; damping factor > 175. 20-20,000 Hz; input imp 100K, 20K or 3K ohms. 19 x 8 1/4 x 24 in; 117 lb \$5,500

### Model 1 60-W/ch Amplifier

Features differential mode and single-ended inputs for a maximum preamplifier compatibility, single gain stage with no negative feedback; single-stage differential FET circuitry utilizing no input, coupling or compensation capacitors; 600 VA toroidal transformer to power 24 150W bipolar output transistors; 60 W/120 W/215 W RMS into 8/4/2 ohms. bridgeable to 240 W mono into 8 ohms. FR 0.3-300,000 Hz - 3 dB; THD < 0.25%. 1,000 Hz. 20W; slew rate 70 V/ $\mu$ sec; sens 136 mV. 1 W, 8 ohms; damping factor > 200. 20-20,000 Hz; input imp 100K, 20K or 3K ohms. 17 x 5 1/4 x 15 in; 48 lb ..... \$3,100

### Model 3 100-W Mono Amplifier

Solid-state amp with bipolar outputs and FET inputs. Features direct-coupled zero-negative-feedback circuitry; separate power supplies for

front end; toroidal power transformer stable to 1 ohm; remote power switching; balanced or unbalanced inputs standard; adjustable input imp; 100 W/200 W/320 W RMS into 8/4/2 ohms. FR 0.15-175,000 Hz - 3 dB; THD < 0.03%. 1,000 Hz. 20W; slew rate 45 V/ $\mu$ sec; sens 136 mV. 1 W, 8 ohms; damping factor > 120. 20-20,000 Hz; input imp 100K, 20K or 3K ohms. 15 1/4 x 5 1/4 x 14 in; 46 lb ..... \$2,275

## JRM

### Power Tower 4-Channel Amplifier

4-ch amplifier; 500 W x 2 plus 250 W x 2 rms into 2 ohms. Features all polypropylene capacitors; complementary/symmetry all-cascode Class AB design; no V-1 limiting; power fail; high-temperature. DC clip. power-up/fail protection. 12-step LED readout per ch. Power supply 680 joule. 1000 volt-amp toroid. Slew rate 100 V/ $\mu$ sec; S/N 102 dB; THD 0.02%; FR 0.6-75,000 Hz. 24 1/2 x 16 x 14 1/2 in; 65 lb ... \$3,000  
 Power Tower Power Amplifier/B. As above, each ch bridgeable (8 amplifier modules total); min imp 4 ohms. 75 lb ..... \$4,000

## KENWOOD

### L-1000M 130-W/ch Amplifier

Features balanced transformerless transmission system; balanced voltage and buffer amplifiers. Illuminated power switch and speaker selector. 130 W/ch min rms into 8 ohms; FR 20-20,000 Hz; THD 0.006%; S/N 125 dB balanced. 17 1/2 x 6 1/2 x 17 1/2; 59.5 lb ..... \$1,300

### Basic-M2A 220-W/ch Amplifier

Features low-impedance drive capability; 616-W/ch into 2 ohms. Full-circuit protection via thermostat-controlled fan cooling. FL peak-power meters with selectable peak-hold and 2 hold times; gold-plated inputs; headphone jack; power indicator; muting relay. 220 W/ch min rms into 8 ohms; FR 20-20,000 Hz; THD 0.0049%; S/N 120 dB; damping factor 1,000 at 50 Hz. 17 1/2 x 6 1/4 x 14 1/4; 34.1 lb ..... \$679

### Basic M1D 125-W/ch Amplifier

Features Voltage Interface Gate (VIG) circuitry to maintain fidelity during power-supply fluctuations, low-impedance drive capability; 310 W/ch into 2 ohms. Full-circuit protection. FL peak-power meters; power indicator; headphone jack; muting relay. 125 W/ch min rms into 8 ohms; FR 20-20,000 Hz; THD 0.0089%; S/N 120 dB; damping factor 1,000 at 50 Hz. 17 1/2 x 5 1/4 x 13 1/4; 21.6 lb ..... \$429

## KINERGETICS

### KBA-202 250-W Mono Amplifier

Features 50W Class A operation; 250W into 8 ohms, 3 dB headroom; 500W into 4 ohm Class B; 1-kVA toroidal transformer with 42,000  $\mu$ F capacitance power supply; military grade circuit boards and components. Imp 100,000 ohms; 65V/ $\mu$ sec slew rate; FR 1-100,000 Hz; voltage gain 20. 13 x 17 x 5 1/2 in, 55 lb each ..... \$2,590/pr

### KBA-75 Platinum Series 75-W/ch Amplifier

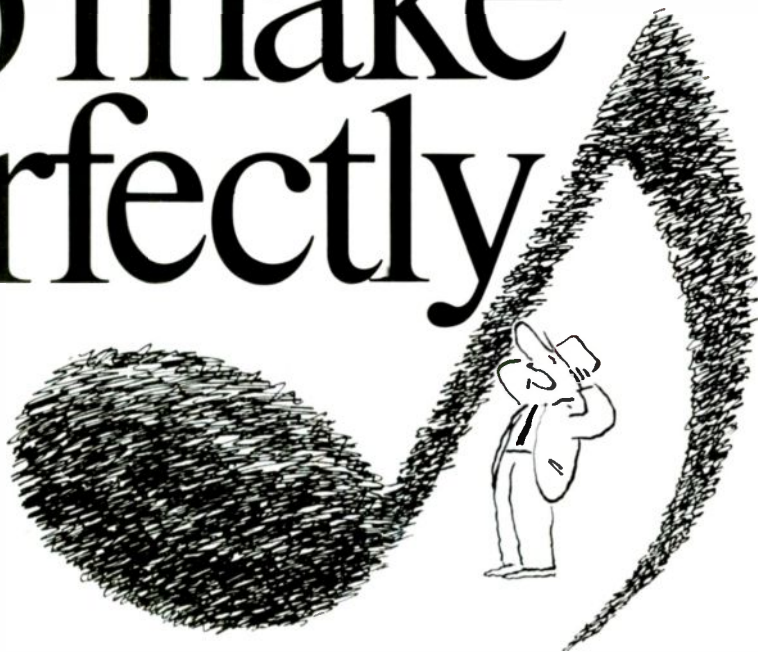
Features Class A operation; 75 W/ch into 8 ohms, 150 W/ch into 4 ohms, 300W into 2 ohms; 1-kVA power supply; dual-mono construction; multiple high-power output transistors with wide linear region, servo-controlled DC output. Low impedance drive capability; slew rate 65 V/ $\mu$ sec; 19 x 17 x 15 1/2 in ..... \$1,795

## KRELL

### KRS-200 325-W Mono Amplifier

Class A, DC-coupled balanced input mono am-

# Adcom would like to make this perfectly clear.



Regardless of how sophisticated your stereo and video system is, it may never achieve its full performance if plugged directly into an AC outlet. Raw and unprocessed AC power can severely diminish the clarity of audio signals and reduce the resolution of your video picture.

ADCOM's ACE-515 AC Enhancer significantly improves the performance capabilities of your system by filtering and processing raw AC power, unveiling a pure, noise-free power source.

## Listen To The Critics

*"...the effective suppression of AC 'RF hash' by the ACE-515 improved clarity and lowered noise in all three CD players. . . .the significant improvements in instrumental and vocal harmonic retrieval and hall ambience are superb. . . . it simply appears to allow musical information to be passed through to the listener with less veil and electronic 'haze.' "*

—Lewis Lipnick, *Stereophile*, Vol. 11 No. 4, April 1988.

Recommended accessory in *Stereophile*, Vol. 12 No. 4, April 1989.

## Line Protection: It Pays For Itself

The ACE-515 also protects your valuable equipment from harmful high-voltage spikes and surges. And, its sequential turn-on/turn-off control circuit guards your speakers from disturbing, damaging thumps.

## Again, The Critics Agree

*"Electronic equipment (especially digital audio gear) is vulnerable to both annoying and catastrophic power-line problems. Your stereo gear should have line spike and surge protection, with hash filters thrown in too. Line protection—you can pay a little for it now, or you can pay a lot for it later."*

—Ken Pohlman, *AUDIO*, November 1987.

For a modest investment, the ADCOM ACE-515 enhances both audio and video clarity while protecting your equipment from damaging line voltage disturbances. Once again, ADCOM lives up to its reputation of offering superior performance at a reasonable cost. For complete technical data, please visit your Adcom dealer. You'll discover the ACE-515 is more than an accessory. It's a necessity.



# ADCOM®

details you can hear

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plifier. 325 W into 8 ohms, 650 W into 4 ohms, 1,300 W into 2 ohms, 2,600 W into 1 ohm ..... \$18,000/pr

## KRS-100 150-W Mono Amplifier

Class A, DC-coupled balanced input mono amplifier. 150 watts into 8 ohms, 300 watts into 4 ohms, 600 watts into 2 ohms, 1,200 watts into 1 ohm ..... \$14,000/pr

## KSA-250 250-W/ch Amplifier

Class A, DC coupled, auto biasing, auto DC-offset correcting, balanced-input amplifier with 4,500 VA power supply. 250 W/ch into 8 ohms, 500 W/ch into 4 ohms, 1,000 W/ch into 2 ohms, 2,000 W/ch into 1 ohm ..... \$5,700

## KSA-150 150-W/ch Amplifier

Class A, DC coupled, auto biasing, auto DC-offset correcting, balanced-input amplifier with 1,800 VA power supply. 150 W/ch into 8 ohms, 300 W/ch into 4 ohms, 600 W/ch into 2 ohms, 1,200 W/ch into 1 ohm ..... \$3,950

## KST-100 100-W/ch Amplifier

Class AB, DC-coupled, balanced input amplifier with 900 VA power supply. Bridgeable into 400 W, 100 W/ch into 8 ohms, 200 W/ch into 4 ohms, 400 W/ch into 2 ohms ..... \$2,500

## LAZARUS

### H-1A 50-W/ch Hybrid Power Amplifier

Pure (not sliding scale) Class A tube MOSFET hybrid power amp can operate as mono amp or as stereo amp. May be configured as Class A or Class A/B. 625 W toroidal transformer. 100 W into 4 ohms; bridgeable to mono 200 W into 8 ohms; dynamic headroom 3 dB; S/N 80 dB; IM 0.2%. 19 x 3 1/2 x 16 1/2 in; 35 lb ..... \$3,840/pr

### Model 50/50 50-W Mono Amplifier

Pure Class A amplifier. 50 W into 8 ohms; 100 W into 4 ohms; 200 W into 2 ohms. Wire both channels in parallel for 400 W into 1 ohm, monobloc design ..... \$1,920

### Model 200/200 200-W/ch Hybrid Amplifier

Features vacuum tubes in the driver stage with MOSFET in output stage; separate transformer and DC voltage regulator for MOSFET and tube stages; zero negative feedback design. 350 W into 4 ohms; sens 600 mV; input imp 47 kilohms; 35 lb ..... \$1,750

## LINN

### LK280 80-W/ch Amplifier

80 continuous average W/ch from 20-20,000 Hz; companion to LK1 preamp. 12 1/4 x 3 x 10 1/2 in; 19 lb ..... \$1,595

LK280 Spark. Dual-mono version of above ..... \$2,790

## LUXMAN

### M-117 200-W/Ch Amplifier

Bridgeable amplifier with low-impedance drive capability. Features dual-FET per channel input stage; high-current bipolar output transistors; Duo-Beta dual feedback-loop circuitry to widen bandwidth and improve transient response; STAR circuit topology to reduce noise and distortion; high-energy power supply. Peak-clip indicators; gold-plated speaker binding posts and input terminals; variable and fixed inputs. 200 W/ch from 20-20,000 Hz into 8 ohms; 820 W/ch into 2 ohms; 550 W/ch into 4 ohms, 300 W/ch into 8 ohms; bridged output 700 W; THD 0.03% at rated power; S/N 120 dB; IM 0.007%; slew rate 20 V/μsec; damping factor 130 (50 Hz, 8 ohms). 17 1/4 x 6 1/2 x 17 1/2 in; 52 lb ..... \$1,250

### M-113 50-W/Ch Amplifier

Amplifier with low-impedance drive capability. Features dual-FET per channel input stage; high-current bipolar output transistors; Duo-Beta dual feedback-loop circuitry to widen bandwidth and improve transient response; STAR circuit topology to reduce noise and distortion; high-energy power supply. Peak-clip indicators; gold-plated input terminals; 5-way speaker terminals; adjustable input sens. 50 W/ch from 20-20,000 Hz into 8 ohms; 180 W/ch into 2 ohms; 140 W/ch into 4 ohms, 90 W/ch into 8 ohms; bridged output 700 W; THD 0.03% at rated power; S/N 116 dB; IM 0.005%; slew rate 15 V/μsec; damping factor 100 (50 Hz, 8 ohms). 17 1/4 x 5 1/2 x 14 1/2 in; 19 lb ..... \$600

## MADISON FIELDING

### PA 700 150-W/Ch Amplifier

Features dual mono design; 150 W/ch MOSFET amplifier with tube type sound. FR 20-20,000 Hz; THD 0.01; imp 4 ohm min. 19 x 3 1/2 x 14 1/2 in ..... \$1,350

PA 750. As above, 75 W/ch; no dual-mono design ..... \$800

## MARCHAND

### PM2 50-W/Ch Amplifier

Features integrated circuit-driver chip; two complementary Darlington power transistors; output safe-operating area current limiter; temperature sensor; Class AB but adjustable to Class A with output power limited to 10 W rms. FR 5-50,000 Hz ± 1 dB; THD < 0.1% at 1,000 Hz; min power supply ± 15 volts; max power supply ± 45 V; 50 W/ch rms into 8 ohms in Class AB, 10 W/ch rms into 8 ohms in Class A. Also comes in kit form ..... \$70

## MARK LEVINSON BY MADRIGAL

### No. 20.5 100-W Mono Amplifier

Class-A highly biased mono amp with fully regulated power to all audio stages; internal spike and surge suppression; RF filtering of raw AC from outlet to reduce noise; separate positive and negative supply rails each with individual toroidal power transformer; full-wave bridge rectification, and filter capacitors to prevent cross modulation between rails; electronic regulation to refine power used by signal-carrying circuits; 3 high-current devices to drive output stage; electronic protection against abuse; all gain stages controlled at clipping; balanced inputs with Camac connectors; Neutrik-XLR connector; internal switching to adjust for operation at 90-240 V AC. 100 W/ch into 8 ohms, 200 W into 4 ohms. 17 1/2 x 8 1/4 x 22 in, 90 lb. Faceplate available in 19-in width .. \$6,000

### No. 23 100-W/ch Dual-Mono Amplifier

2 separate mono amps in single chassis; AC mains filtering; film capacitors; surge limiting; 2 power supplies for each L/R channel; OFC bars supply output stage with +84-V DC rails; triple bypassing; output supply capacitance of 146,000 μf and 2-1.2 kVA transformers produce 240 joules of stored energy; full-wave bridge rectifier; independent tracking for + and - rails; only bipolar devices in gain stages; inverting input for full balanced connection; 50-kilohm imp through audio bandwidth; output stage operates in class AB; controlled clipping; external line and internal fuses; thermal sensors. 100 W/ch into 8 ohms, 200 W/ch into 4 ohms, 350 W/ch into 2 ohms; damping factor >700 (50 Hz ref to 8 ohms) ..... \$5,295

### No. 27 100-W/ch Dual Mono Amplifier

Two separate mono amps on one chassis; raw

AC current filtered by two separate circuits to remove unwanted frequencies and reduce transformer core saturation and mechanical hum; surge limiting circuit; 729 VA toroidal transformer in each channel; separate power supplies; audio signals processed through two Class A cascaded voltage gain stages and three current gain stages; cascaded differential input stage; Class AB output stage. Camac connector or three-pin Neutrik XLR connector input. 200 W/ch into 4 ohms, 350 W/ch into 2 ohms; sens 141 mV; voltage gain 26 dB. 17 1/2 x 6 1/2 x 18 in; 75 lb. Faceplate also available in 19-in w \$3,795

### No. 29 50-W/ch Dual Mono Amplifier

Two separate mono amps on one chassis; raw AC current filtered by two separate circuits to remove unwanted frequencies and reduce transformer core saturation and mechanical hum; surge limiting circuit; 320 VA toroidal transformer in each channel; separate power supplies; audio signals processed through two Class A cascaded voltage gain stages and three current gain stages; cascaded differential input stage; Class AB output stage. Camac connector or three-pin Neutrik XLR connector input. 100 W/ch into 4 ohms, 175 W/ch into 2 ohms; sens 141 mV; voltage gain 26 dB. 17 1/2 x 6 1/2 x 14 1/2 in; 60 lb ..... \$3,795

## MCINTOSH

### MC-2600 600-W/Ch Amplifier

Features Power Guard circuitry to eliminate amplifier clipping due to overdrive. Auto-temperature-controlled low-noise fans. Large power output meter; large gold-plated output terminals; balanced and RCA inputs. Bridgeable to 1,200 W mono. FR 20-20,000 Hz +0, -0.25 dB; S/N 105 dBA; THD 0.005%; IM 0.005%; dynamic headroom 1.7 dB; damping factor >40; input sens 1.4 or 2.5 V. 17 x 10 x 18 in; 130 lb \$4,995

### MC-7200 200-W/Ch Amplifier

Features Power Guard circuitry to eliminate amplifier clipping due to overdrive; Sentry circuit monitors output signal to prevent overload of output transistors; thermal shutdown; delay; direct-current-failure protection; power-line transient surge protection; bridgeable to 600 W mono. Peak power output meter; meter hold control; L/R gain control. FR 20-20,000 Hz +0, -0.25 dB; THD 0.005%; S/N 105 dBA; IM 0.005%; damping factor >200. 14 1/4 x 5 1/4 x 15 1/2 in; 53 lb ..... \$2,595

### MC-7270 270-W/Ch Amplifier

Features autotransformer; L/R channel gain control; bridgeable to 540 W mono. Peak-reading, peak-locking power meters; meter selector. Power output: 270 W/ch both channels driven from 20-20,000 Hz with less than 0.02% THD; IM < 0.02% if instantaneous peak power output is less than 600 W/ch both channels driven; FR 20-20,000 Hz +0, -0.25 dB; damping factor >30; input impedance 20,000 ohms; switchable input sensitivity, 0.75 or 2.5 V (level control provided for higher input voltages). Power Guard; THD < 2% with up to 20 dB overdrive at 1 kHz. 16 1/4 x 7 1/4 x 14 1/2 in; 82 lb \$2,499

### MC-754 100-W/Ch Amplifier

Features Power Guard to eliminate amplifier clipping due to overdrive; digital sonic overload corrector to prevent excess of 0.3% distortion; bridgeable to 200 W mono. FR 20-20,000 Hz +0, -0.25 dB; THD 0.02%; S/N 110 dB; IM 0.02%; damping factor >90 ..... \$1,049

## MELOS

### Triode 400 Plus 400-W Mono Amplifier

Features triode configuration throughout all



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gain stages. Proprietary shielded toroidal transformers; Class A operation to 50 W; 3 dB dynamic headroom; separate regulation for all gain stages and DC heater supply. Balanced input; auto bias with LED indicators for all output tubes; front-panel fuses with LED indicators for each fuse ..... \$5,495/pr

## Triode 200 Plus 200-W Mono Amplifier

Features triode configuration throughout all gain stages. Proprietary shielded toroidal transformers; Class A operation to 50 W; 3 dB dynamic headroom; separate regulation for all gain stages and DC heater supply. Balanced input; auto bias with LED indicators for all output tubes; front-panel fuses with LED indicators for each fuse ..... \$3,995/pr

## Triode 200 Plus 200-W/ch Amplifier

Features triode configuration throughout all gain stages. Proprietary shielded toroidal transformers; Class A operation to 25 W; 3 dB dynamic headroom; separate regulation for all gain stages and DC heater supply. Auto bias with LED indicators for all output tubes; front-panel fuses with LED indicators for each fuse ..... \$2,995

## Triode 125 Plus 125-W/ch Amplifier

Features triode configuration throughout all gain stages. Proprietary shielded toroidal transformers; Class A operation to 25 W; 3 dB dynamic headroom; separate regulation for all gain stages and DC heater supply. Auto bias with LED indicators for all output tubes; front-panel fuses with LED indicators for each fuse ..... \$1,995

## MERIDIAN

### Model 205 100-W Mono Amplifier

Class AA mono amplifier with toroidal high-current power supply. Features fully complementary circuit design; music sense circuit turns on amplifier when signal is detected. 100 W into 8 ohms. 14 x 6 1/4 x 4 in. ea. .... \$1,790/pr

## MFA

### M200C Mono-Block Amplifier

Features Class A operation; regulated power supply; gold aero tubes; rel cap. wonder cap. and solen fast cap coupling and bypass capacitors. Power handling 335-500 W; FR 5-220,000 Hz; S/N 95 dB; damping factor 20; THD: 0.015% at 1 W (1 kHz), 0.3% at 200 W (1 kHz); Tube complement: one 5691, one 6BL7, two OA2, six 6550/KT88. 18 1/2 x 8 1/2 x 14 1/2 in. 84 lb \$5,960  
**M120B.** As above, with 220-325 W; THD: 0.015% at 1 W (1 kHz), 0.15% at 120 W (1 kHz); Tube complement: two 12AX7, two 6FQ7, two OA2, four 6550. 15 1/2 x 8 1/4 x 12 in. 60 lb \$3,960  
**D-75.** Same as above, dual channel. Power handling 220-350 W; THD: 0.03% at 1 W (1 kHz), 0.25% at 75 W (1 kHz). 15 1/2 x 8 1/4 x 12 in. 64 lb ..... \$2,120

## MOTIF BY CONRAD-JOHNSON

### Motif MS2001 200-W/ch Amplifier

MOSFET output stage; extensive use of large-value polystyrene capacitors. 200 W/ch cont avg into 8 ohms; THD <1.0%; FR 20-20,000 Hz  $\pm$  0.1 dB; S/N 100 dB; input imp 100,000 ohms. 19 x 7 x 18 1/2 in.; 63 lb ..... \$4,395  
**MS1001.** Similar to above, 100 W/ch ..... \$3,295

## MUSEATEX

### MTR-101 100-Watt Mono Amplifier

Class AB mono amplifier with float charge supply. THD 0.25%; slew rate 75 V/ $\mu$ sec; high-level sensitivity 1000 mV; 100 W cont avg into 8

ohms, 200 W cont into 4 ohms; FR 20-20,000 Hz. 21 lb ..... \$3,400/pr

### Melior 100-W/ch Amplifier

Class AB power amplifier with float charge supply. THD 0.25%; slew rate 75 V/ $\mu$ sec; high-level sensitivity 1,000 mV; 100 W cont avg into 8 ohms, 180 W cont avg into 4 ohms; FR 20-20,000 Hz. 23 lb ..... \$1,995

### STR-55 50-W/ch Amplifier

Class AB power amplifier with float charge supply. THD 0.25%; slew rate 75 V/ $\mu$ sec; high level sensitivity 1000 mV; power 50 W/ch cont into 8 ohms, 95 W/ch cont into 4 ohms; FR 20-20,000 Hz. 18 lbs ..... \$1,590

## NAD

### Model 2600A Monitor Series 150-W/ch Amp

Bridgeable amplifier with power envelope circuitry. Features high voltage; high-current capacity; close-tracking soft-clipping circuit. Speaker-impedance selector; input-level controls; normal/lab inputs. 150 W/ch rms; dynamic headroom +4 dB. Rack mountable ... \$799

### Model 2400 Monitor Series 100-W/ch Amplifier

Bridgeable amplifier with power envelope circuitry. Features soft-clipping circuit. Input level controls. 100 W/ch rms; +5.7 dB dynamic headroom. Rack mountable ..... \$599

### Model 2100X Monitor Series 60-W/ch Amplifier

Bridgeable amplifier with power envelope circuitry. Features soft-clipping circuit. Input-level controls; normal/lab inputs; A, B, A+B speaker switching. 60 W/ch rms; dynamic headroom +5.3 dB. Rack mountable ..... \$429

## NAIM

### NAP 250 70-W/ch Amplifier

Features toroidal transformers; four regulated power supplies each rated at 40 V and able to deliver more than 15 amps; shuts down if heat-sink reaches 70°C. 70 W/ch cont into 8 ohms; input imp 22 kilohms; FR 3-40,000 Hz  $\pm$  3 dB. 16 1/4 x 3 x 11 1/4 in ..... \$2,795

### NAP 135 75-W Mono Amplifier

Features toroidal transformers; four regulated power supplies each rated at 40 V and able to deliver more than 15 amps; shuts down if heat-sink reaches 70°C; fan-cooled. 75 W cont into 8 ohms; input imp 22 kilohms; FR 3-40,000 Hz  $\pm$  3 dB. 16 1/4 x 3 x 11 1/4 in ..... \$2,795

### NAP 140 45-W/ch Amplifier

Features dual power supply rectification; each audio channel has own pair of smoothing capacitors; thermal trip protection. 45 W/ch cont into 8 ohms; input imp 22 kilohms; FR 5-40,000 Hz  $\pm$  3 dB. 8 x 3 x 11 1/4 in ..... \$1,245

### NAP 90 30-W/ch Amplifier

Features protection circuitry to measure power dissipation in output stage. 30 W/ch cont into 8 ohms; input imp 22 kilohms; FR 5-40,000 Hz  $\pm$  3 dB. 8 x 3 x 11 1/4 in ..... \$795

## NAKAMICHI

### PA-7A11 225-W/ch Amplifier

Features Stasis topology; utilizes two internal amplifiers for high- and low-impedance sources. 700-W toroidal power transformer; bridge rectifiers; electrolytic filters; 18 transistors per ch; Rib Framework chassis. 225 W/ch cont avg from 20-20,000 Hz with no greater than 0.05% THD into 8 ohms; 340 W/ch max into 8 ohms; FR 20-20,000 Hz  $\pm$  0. -0.2 dB; S/N >120 dB; damping factor >60; dynam-

ic headroom 1.7 dB; power bandwidth 5-50,000 Hz (8 ohms, 112.5 W, 0.05% THD). 17 1/4 x 7 1/4 x 16 1/4 in; 62.7 lb ..... \$2,195  
**PA-5A11.** Similar to above but 150 W/ch. 17 1/4 x 6 1/4 x 16 1/4 in; 47.4 lb ..... \$1,550

## NELSON-REED

### Subwoofer-Controller 400-W/ch Amplifier

Integrated subwoofer crossover and bass power amplifier. Features bipolar transistor amplifier; soft-clipping circuit; discrete active or optional passive crossover. Lighted buttons indicate controller status; controls for mono or stereo subwoofer output; option to bypass subwoofers. Power output 400 W/ch rms into 2 ohms. Black finish. 5-yr warranty. 17 x 6 x 17 in; 35 lb ..... \$2,750

## NRG

### 401S 400-W/ch Amplifier

Class A/AB amplifier with Class A in every stage except output stage. Features protection circuitry; regulated power supply. FR 0.4-100,000 Hz; THD <0.05%; slew rate 800 V/ $\mu$ s; damping factor 20-20,000 Hz; 500 min; max current 97 amps/ch. 5-year warranty. 19 x 10 1/2 x 27 in. 120 lb ..... \$5,990  
**A201S.** As above, 200 W/ch and Class A amplifier only. Slew rate 600 V/ $\mu$ s; max current 125 amps/ch. .... \$5,990  
**A401M.** Same as 401S except Class A mono amplifier with max current 195 amps/ch. \$5,600

## NUMARK

### SA3200 510-W/ch Amplifier

Features overload and system fault protection circuitry; DC-coupled bipolar technology; forced-air cooling system with thermostatically controlled two-speed fan; fast-tripping circuit breaker power switch; two independent heat sink thermal signal cutoffs; self-resetting dual thermals inside power transformer; bridging switch. Includes phone and RCA phono jacks; 5-way binding post for bare-wire and banana-plug connections; front-panel features LED clipping indicators and removable air filters. FR 20-20,000 Hz  $\pm$  1 dB; slew rate 50 V/ $\mu$ sec; THD 0.035%; S/N 106 dB ..... \$1,195

## OCTAVE RESEARCH

### OR-1 85-W/ch Amplifier

Feature Class A operation; separate amplifiers for left and right channels; four independent power supplies; can upgrade to monoblocks using bridging adaptor. IM <0.02%; S/N >95 dB. 19 x 9 1/2 x 19 1/4 in. 66 lb ..... \$3,650

## ONKYO

### M-5200 150-W/ch Amplifier

Features 150 W/ch rms; dynamic power 210 W/ch into 8 ohms; Delta power supply; 4 way speaker selector; side panels optional ... \$360

### Integra Series

#### Grand Integra M-510 300-W/ch Amplifier

Dual-mono with 1-ohm impedance-drive capability. Features power supply with Real-Phase transformer to eliminate current fluctuations; high-current capability; 3 separate power supplies (left, right, aux for lights, meters, etc.). Calibrated power meters w/accuracy to 1 dB; adjustable meter sens. 300 W/ch min rms into 8 ohms; FR 20-20,000 Hz; total harmonic distortion 0.005%; S/N 120 dB; IM 0.003%. 400 W/ch into 8 ohms; 500 W/ch into 4 ohms. Dynamic power 750 W/ch into 4 ohms.

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1,300 W/ch into 2 ohms, 2,100 W/ch into 1 ohm.  
20 x 10½ x 21 in; 165 lb ..... \$4,500

## Grand Integra M-508 200-W/ch Amplifier

Dual-mono design with low-impedance drive capability. Features Real-Phase transformer to eliminate current fluctuations; high-current capability. Calibrated high-speed power meters; peak-power meters; variable inputs with left/right channel level controls. 200 W/ch min rms into 8 ohms; FR 20-20,000 Hz; THD 0.003%; S/N 120 dB; IM 0.003%; damping factor 140. Dynamic power 460 W/ch into 4 ohms, 685 W/ch into 2 ohms, 860 W/ch into 1 ohm. 18¼ x 7¼ x 16½ in; 55 lb ..... \$1,200

## Integra M-504 165-W/ch Amplifier

Dual-mono design with low-impedance drive capability. Features Real-Phase transformer to eliminate current fluctuations; high current capability. High-speed peak-power meters; heavy-duty speaker terminals. 165 W/ch min rms into 8 ohms; frequency response 20-20,000 Hz; total harmonic distortion 0.003%; signal-to-noise ratio 120 dB; intermodulation distortion 0.003%; damping factor 140. Dynamic power 350 W/ch into 4 ohms, 530 W/ch into 2 ohms. 18¼ x 7¼ x 16½ in; 46 lb ..... \$830  
CW-M504. Wood sidepanels for above ... \$85

## Integra M-502 140-W/ch Amplifier

Dual-mono design with low-impedance drive capability. Features 4-way speaker selector. 140 W/ch min rms into 8 ohms; FR 20-20,000 Hz; THD 0.005%; S/N 120 dB; IM 0.004%; damping factor 140. Dynamic power 290 W/ch into 4 ohms, 425 W/ch into 2 ohms. 17¼ x 7¼ x 16½ in; 41 lb ..... \$650

## PARASOUND

### HCA2200 200-W/ch Amplifier

High-current discrete amplifier. Features 24 output devices; 1,000 V toroidal transformer; 90 amps peak current; bridgeable to 500 W mono. Gold-plated input jacks; 5-way terminals. FR 5-100,000 Hz; dynamic headroom 1.5 dB ..... \$1,385  
HCA-1200-17. Same as above, but with 17½-in panel ..... \$1,335

### HCA-1200 200-W/ch Amplifier

High-current discrete amplifier. Features toroidal transformer; 57 amps peak current; 5-way terminal; 60-MHz output transistor; gold-plated input jacks; front-panel level controls FET driver; mono BTL switchable. FR 8-90,000 Hz; THD <0.08% ..... \$775  
RMK-1000. Rack mount kit for above; 19-in \$29

### HCA-800II 90-W/ch Amplifier

High-current discrete amplifier. Features 60-MHz output transistors; gold-deposited 36,000-µf electrolytic capacitors; mono bridging with rear-panel switch; gold-plated RCA jacks; ¼-in phone jack; 5-way terminals; front-panel level controls; speaker A/B terminals; headphone jack; relay protection; 19-in rack mountable. FR 20-20,000 Hz ±0.5 dB; total harmonic distortion <0.1%; signal-to-noise ratio >104 dB; intermodulation distortion <0.1%; damping factor >120. 17¼ x 3¼ x 11¼ in ..... \$395  
RMK-800. Rack-mount kit for above; 19-in \$24

### HCA-500 45-W/ch Amplifier

High-current discrete amplifier. Features no integrated circuits; oversized power transformer; RCA jacks; ¼-in phone jacks; 5-way terminals; front-panel level controls; relay protection indicator; 19-in rack mountable. FR 20-20,000 Hz ±0.5 dB; total harmonic distortion <0.25% S/N >100 dB; IM <0.2%; damping factor >85. 17¼ x 3¼ x 11¼ in ..... \$285

## PHILIPS

### AV1002 6-Channel Amplifier

100 W x 1, 100 W x 2 plus 50 W x 2, or 100 W x 3. Discrete amplifier featuring three separate heat sinks. .... \$1,000

## PIONEER

### M-91 200-W/ch Amplifier

Features independent L-R mono construction; finned, twin cast-iron enclosed transformers; honeycomb insulator feet; copper transformer plate; honeycomb heat sink; film condenser; regulated power supply; copper foil pc board; nonswitching circuit; two pairs of speaker outputs; CD-direct input with volume control; Urushi-finish front panel; rosewood finished vinyl-covered side panels. 200 W/ch into 8 ohms; FR 20-20,000 Hz; THD 0.003%. 18 x 6½ x 17 in; 60 lb ..... \$1,400

### M-72 100-W/ch Amplifier

Features 2/4-ch configuration, 100 W/ch x 2 or 50 W/ch x 4, auto output selector; 3 inputs (processing front, center, and rear) for 4-channel configuration; 2 or 4 speaker outputs; Urushi-finish front panel; rosewood-finished vinyl-covered side panels. 100 W/ch x 2 or 50 W/ch x 4 into 8 ohms; FR 20-20,000 Hz; THD 0.01%. 18 x 6½ x 16¼ in; 53.9 lb ..... \$1,000

### VSA-1000 100-W/ch Amplifier

100 W/ch cont avg from 20-20,000 Hz into 8 ohms with no more than 0.005% THD. 16½ x 6½ x 16½ in ..... \$1,000

### A-757 120-W/ch Amplifier

120 W/ch cont avg from 20-20,000 Hz into 8 ohms with no more than 0.003% THD ..... \$750

## PRODIGY

### 150-W Mono Amplifier

Monoblock amplifier with Teflon power-connect wiring and military-grade components. 150 W into 8 ohms; FR 4-50,000 Hz flat; slew rate 35 V/µsec. 17½ x 12 x 19½ in; 100 lb ... \$7,000/pr

## PROTON

### DI200 100-W/ch Amplifier

Dynamic Power on Demand (DPD) circuit, delivers up to 1,500 W/ch (2 ohms) at peak demand with 6 dB headroom. Features one-touch bridging and wide-range power-output meters. 16½ x 4¼ x 9¼ in; 33 lb ..... \$700

### AA-1150 50-W/ch Amplifier

Dual-mono amplifier with Dynamic Power on Demand (DPD), delivers up to 450 W/ch at peak demand, with 7 dB headroom. Features separate power supplies/ch; dual peak-level power meters; LED DPD indicator; protection circuitry; gold-plated connectors; high-current capacity. S/N 115 dB; THD 0.02%; IM 0.02%; damping factor >150. 19 x 4¼ x 14¼ in; 25.3 lb ... \$500

## PS AUDIO

### 100C 120-W/ch Amplifier

Class AB outputs. Features 5-way binding posts; gold-plated input jacks. 120 W/ch into 8 ohms, 200 W/ch into 4 ohms; THD 0.02%; S/N -100 dB; slew rate 250 V/µsec; damping factor 200. 19 x 6 x 15 in; 35 lb ..... \$1,195

## QUAD

### Model 606 140-W/ch Amplifier

Power amplifier with feed-forward error correction (current dumping) combines Class A operation with Class B. Protection circuitry

uses sensor on AC-input side of power supply to integrate current over time. No fuses or relays located in signal path. THD (continuous in 8 ohm resistive load, any level up to 130 W); <0.01% at 20 Hz, <0.01% at 1,000 Hz, <0.03% at 20,000 Hz; FR 20-20,000 Hz -0.25 dB. 12¼ x 5½ x 9½ in; 27 lb ..... \$1,295

### Model 306 60-W/ch Amplifier

Power amp with feed-forward error correction (current dumping) combines Class A operation with Class B. Protection circuitry uses sensor on AC input side of power supply to integrate current over time. No fuses or relays located in signal path. THD (continuous in 8 ohm resistive load any level up to 50 W); <0.01% at 20 Hz, <0.01% at 1,000 Hz, <0.03% at 20,000 Hz; FR 20-20,000 Hz -0.25 dB. 12¼ x 2¾ x 8¼ in; 11 lb ..... \$695

## QUICKSILVER AUDIO

### Model 8417 60-W Mono Tube Amplifier

Hand-wired, tube design using no transistors or circuit boards; matched pair 8417s, 12AX7, 12AU7, two 5AR4s. 60 W cont from 20-20,000 Hz into 8 or 4 ohms. Can drive 0.5 ohm loads. 9¼ x 6 x 14¼ in; 30 lb ea ..... \$1,575/pr

### KT-88 60-W Mono Tube Amplifier

Hand-wired, tube design using no transistors or circuit boards; matched pair KT88s, two 12FQ7s, two 5AR4s. 60 W cont from 20-20,000 Hz into 8 or 4 ohms. Can drive 0.5 ohm loads. 9¼ x 6 x 14¼ in; 30 lb ea ..... \$788 ea

## ROTEL

### RB870BX 100-W/ch Amplifier

Class AB amplifier; bridgeable with RA870 (integrated amp) for 300 watts mono. Power handling 100 W/ch into 8 ohms. FR 4-100,000 +0.5 dB, -3.0 dB; THD <0.03% from 20-20,000 Hz; S/N 110 dB; IM <0.03%; damping factor 180; input imp 22,000 ohms. 17½ x 4¼ x 13¼; 20 lb ..... \$499

### RB850 50-W/ch Amplifier

Class AB design; bridgeable to 150 W mono. Power handling 50 W/ch into 8 ohms. Frequency response 4-100,000 Hz +0.5 dB, -0.3 dB; total harmonic distortion <0.03%; signal-to-noise ratio 110 dB; intermodulation distortion <0.05%; damping factor 180; input imp 25 kil-ohms. 17½ x 3¼ x 12¼ in; 19 lb ..... \$299

## SHERWOOD

### AM-7040 200-W/ch Amplifier

Amplifier with high-speed MOSFET output stage with high instantaneous current capacity. Features Class AB design; complete relay protection; independent left and right power transformers; variable and fixed inputs; complementary symmetry input stage with matched transistor pairs; overload protection; heavy gauge conductors. Power-level indicator; video sound input; loudness control. 200 W/ch min rms into 8 ohms; frequency response 20-20,000 Hz; total harmonic distortion <0.025%; intermodulation distortion 0.015%; damping factor 170 dB; S/N 125 dBA; sep at 1,000 Hz 70 dB. 17¼ x 6¼ x 15¼ in ..... \$699

## SONANCE

### Sonamp 260x3 180-W/ch Amplifier

Features 60 W x 3 output; capability to select and activate single pair or any combination of three speaker pairs ..... \$375

### Sonamp 260 60-W/ch Amplifier

Toroidal power transformer; discrete output

# POWER • AMPLIFIERS

power devices. Features automatic turn on/off function; automatic muting when switching on/off. Black-satin finish: 16 1/4 x 3 1/4 x 13 in. \$325

## SONOGRAPHE BY CONRAD-JOHNSON

**SA120 120-W/ch Amplifier**  
Features MOSFET output stage. 120 W/ch into 8 ohms. 18 x 5 1/4 x 12 in. \$895

## SONY

### Elite Series

**TA-N77ES 270-W/ch Amplifier**  
Features spontaneous twin-drive power supply; low-impedance drive capability; mono operation at 580 W/ch into 8 ohms from 20-20,000 Hz with 0.007% THD; chimney-style heat sinks; fixed and variable inputs; 2 independent protection circuits; peak-level power meters; 2 sets of speaker terminals. 270 W/ch cont into 4 ohms. 20-20,000 Hz with 0.006% THD; damping factor 100; slew rate 150V/ $\mu$ sec, 300V/ $\mu$ sec. \$1,200

**TA-N110 45-W/ch Amplifier**  
Features 3 built-in digital delay modes; variable delay times; built-in video switching capability; input attenuator; 3-way input switch; 2 sets of speaker terminals. 100 W/ch continuous into 8 ohms. 20-20,000 Hz with 0.08% THD. \$300

## SOUNDCRAFTSMEN

**Pro-Power Ten 2/3/4-Channel Amplifier**  
Two, three, or four channel configurable MOSFET amplifier. 205 W/ch at 8 ohms. 300 W/ch at 4 ohms. 20-20,000 Hz at < 0.05% THD. 600 W x 2 at 8 ohms. 20-20,000 Hz at < 0.05% THD. Each channel has power-output meters and clipping indicator. 19 x 5 1/4 x 12 in. \$1,399

**A5002 250-W/ch Amplifier**  
Class H Vari-Proportional circuitry and auto-buffer for continuous operation into 2 ohms, 4 ohms, and 8 ohms. Features auto crowbar-protection circuit for output protection without current limiting; 20 LED/ch indicators; front-panel switching for 2 pairs of speakers; clipping indicators; input-level controls. Output power 250 W/ch into 8 ohms. 375 W/ch into 4 ohms continuous rms. 20-20,000 Hz at < 0.09% THD; SN > 105 dB; slew rate > 50 V/ $\mu$ s; IM < 0.02%; dynamic headroom > 2 dB. \$949

**Pro-Power Four 205-W/ch Amplifier**  
MOSFET amp with dual 20-segment LED clipping indicators. 2-pair speaker switching. 205 W/ch cont avg from 20-20,000 Hz into 8 ohms with no more than 0.05% THD. 300 W/ch into 4 ohms. 450 W/ch into 2 ohms; SN 105 dB; slew rate 40 V/ $\mu$ s; IM 0.05%. 19 x 5 1/4 x 11 in. 28 lb. \$849

**Pro-Power Three.** As above without level controls and LED meters. \$749

**Pro-Reference Two 100-W/ch Amplifier**  
MOSFET amp with 20-LED power meters. Features switching for 2 pairs of speakers; clipping indicators; charcoal finish-rack-mount front panel. 100 W/ch into 8 ohms. 200 W/ch into 4 ohms. cont rms. 20-20,000 Hz at < 0.05% THD; SN > 105 dB. \$699

**Pro-Reference One.** Same as above without LED meters. \$599

**PCR800 205-W/ch Amplifier**  
Phase-control-regulated MOSFET amp. 205 W/ch cont rms; 20-20,000 Hz into 8 ohms; THD 0.05%; SN > 105 dB; 18 lb; 8 1/4 x 5 x 12 in. \$499

**Pro-Power.** Same as above except high-current circuitry added for 300 W/ch at 4 ohms; 450 W/ch at 2 ohm. \$579

**Pro-Pa2x200 125-W/ch Amplifier**  
High-current MOSFET amplifier. 125 W/ch at 8 ohms. 190 W/ch at 4 ohms. 20-20,000 Hz < 0.05% THD. FR 20-20,000 Hz  $\pm$  0.1 dB; SN 105 dB. Damping factor > 200. Rack mount. 19 x 5 1/4 x 10 1/2 in. \$499

## SOUND ENGINEERING

**PEM-3 150-W/ch Power Amplifier**  
150 W/ch MOSFET amplifier. Features high damping. \$1,850

## SOUNDSTREAM

**DA-1 MK II 200-W/ch Amplifier**  
System 1 series component features fully discrete Darlington transistor circuitry to minimize need for current limiting; bridgeable to 600 W mono into 8 ohms; 90 amp peak. Drives up to 4 pairs of speakers simultaneously; dual front-panel overload indicators; optional RSS-2 speaker selectors can be used individually or daisy-chained, allowing up to 4 pairs of speakers to be controlled by R-1 remote. FR 20-20,000 Hz  $\pm$  0.1 dB; SN > 110 dBA; THD < 0.1%; slew rate > 35 V/ $\mu$ sec. 17 x 5 1/4 x 14 in; 35 lb. \$1,195

## SPECTRASCAN

**BPA-101B 100-W/ch Amplifier**  
Features proprietary nested, multiple feedback loops; DC-coupling with highly regulated power supply; protection circuit; L/R ch clipping indicator. 100 W/ch into 8 ohms. 174 W/ch into 4 ohms; switchable to bridged operation for 350 W mono into 8 ohms FR 2-120,000 Hz; THD 0.07%; SN 98 dB; IM 0.07%; Slew rate 40 V/ $\mu$ sec; damping factor 200. 5 1/4 x 19 x 14 in; 40 lb. \$1,895

## SUMO

**Andromeda II 200-W/ch Amplifier**  
Class AB MOSFET design, fully balanced from input to output. Operation pure Class A except Class AB output stage. 400 W/ch into 4 ohms; THD 0.05% into 8 ohms. 0.1% into 4 ohms; IM 0.05%; rise time 2 $\mu$ sec; slew rate 115 V/ $\mu$ sec; damping factor > 500. 19 x 7 x 16 1/4 in; 55 lb. \$1,499

**The Nine Plus 65-W/ch Amplifier**  
Class A design with no active bias circuits or thermal tracking networks. Balanced-bridge configuration; push-pull quadrature feedback circuits; discrete Darlington output stage; direct-coupled circuitry from input to output. 65 W/ch into 8 ohms from 20-20,000 Hz with < 0.1% total harmonic distortion; 120 W/ch into 4 ohms from 20-20,000 Hz with < 0.2% total harmonic distortion; intermodulation distortion 0.05% from 0.25 watts to rated output; input sensitivity for rated output 1.0 V rms; damping factor > 150. 19 x 8 1/4 x 7 in. \$1,299

**Polaris 100-W/ch Amplifier**  
Class AB design operates in Class A except Class AB output stage. MOSFET output devices. 175 W/ch into 4 ohms; THD 0.05% into 8 ohms. 0.1% into 4 ohms; IM 0.05%; rise time 2  $\mu$ sec; input imp 47,000 ohms; damping factor > 500. 19 x 5 1/4 x 8 1/4 in. \$749

**Ulysses 60-W/ch Amplifier**  
Class AB MOSFET design. Proprietary linearizing circuit pure Class A gain stage; bridgeable to 180 W mono into 8 ohms; 60 W/ch into 8 ohms; frequency response 20-20,000 Hz; total harmonic distortion < 0.05%; input imp 47,000 ohms; damping factor > 500; slew rate 85 V/ $\mu$ sec; rise time < 2  $\mu$ sec. 19 x 13 x 3 1/2 in; 25 lb. \$549

## SUPERPHON

**Model 400S 200-W/ch Amplifier**  
MOSFET solid-state power amplifier utilizing independently regulated input and large signal stages through separate transformer. Input stage employs active current-sourcing, voltage gain is Class A MOSFET. 350 W/ch into 4 ohms. \$1,499

## TANDBERG

**3016 250-W/ch Amplifier**  
Features MOSFET circuit; two mono amplifiers; AC electronic governed fan; capable of delivering max of 100 ampere; thermic servo loop for DC stability. 210-2,500 W; FR 20-20,000 Hz; SN 92 dB; sens 100 mV W/8 ohms/1 kHz. 17 1/4 x 8 1/4 x 13 1/4 in. 62 lb. \$3,799

**3026 150-W/ch Amplifier**  
Features MOSFET circuit; zero feedback; feed-forward driver design; thermic servo loop for DC stability. 110-830 W; FR 20-20,000; SN 96 dB; THD > 0.02%. 17 1/4 x 5 1/4 x 13 1/4 in; 31.5 lb \$2,199

**3036 100 W/ch.** As above. 50-500 W; FR 20-20,000; SN 90 dB; THD < 0.08%. 17 1/4 x 5 1/4 x 13 1/4 in; 23.5 lb. \$1,199

## TARA LABS

**Space & Time 100-W Tri-Class Mono Amplifier**  
Utilizes 807 transmission tubes and permits switching between three different amplification configurations. Features 3 power outputs; Space & Time internal wiring; Space & Time AC power cable for each mono block; triode, tri-tet and tetrode configurations. Power 100 W in Class A; 160 W in tri-tet; 240 W in tetrode. \$5,800/pr

**Space & Time 100-W/ch Twin-Class Amplifier**  
Utilizes 807 transmission tubes and permits switching between triode and tetrode configurations. Features 2 power outputs; Space & Time audio cable internal wiring; Space & Time AC power cable. 45 W/ch in Class A; 100 W/ch in tetrode. \$2,990

## TECHNICS

**SE-A10C 170-W/ch Amplifier**  
Features 1 voltage and 1 current amplifier per ch; Class AA bridge circuitry; massive power supply; 3 transformers (left-ch current amp, right-ch current amp, L-R voltage amps) using 1 C-ORC windings; 91,200- $\mu$ F filtering; magnetic isolation; vibration damping. 170 W/ch into 8 ohms; dynamic headroom 0.7 dB. 17 x 8 1/4 x 18 1/4 in; 70 lb. \$1,900

**SE-A5MK2 150-W/ch Amplifier**  
Features computer drive to neutralize transient crossover distortion; parallel 3-stage Darlington output; power-linear circuit to compensate for speaker impedance variation; power-output meters. 150 watts per channel into 8 ohms; frequency response DC-150,000 Hz +0/-3 dB; intermodulation distortion 0.002%; damping factor 100. 17 x 7 x 16 1/4; 40.6 lb. \$1,100

**SE-M100 115-W/ch Amplifier**  
8x oversampling digital filter and four 20-bit D/A converters. Features digital-direct drive with unity-gain circuitry; twin-mono construction. Optical and coaxial digital outputs. Amp; 115 W/ch min rms into 8 ohms; total harmonic distortion 0.005%; frequency response 20-20,000 Hz; damping factor 110; signal-to-noise ratio 98 dB. Digital section: total harmonic distortion 0.005% at 1,000 Hz; signal-to-noise ratio 100 dB; FR 2-20,000 Hz  $\pm$  0.3 dB. 17 x 6 1/4 x 15 1/4 in; 35.2 lb. \$1,100

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## TEI

### 83-PAM800 270-W/ch Amplifier

Features 400 W/ch into 4 ohms; 270 W/ch into 8 ohms; 800 W/ch into 8 ohms mono; DC-overload and thermal protection. FR 10-50,000 Hz; THD <0.05%; S/N 105 dB. 32 lb ..... \$1,943

### 83-PAM500 160-W/ch Amplifier

Features 250 W/ch into 4 ohms; 160 W/ch into 8 ohms; 500 W into 8 ohms mono; DC-overload and thermal protection. FR 10-20,000 Hz; THD <0.05%; S/N 105 dB. 28 lb ..... \$1,598

### 83-PAC200 100-W/ch Amplifier

Features 150 W/ch into 4 ohms; 100 W/ch into 8 ohms; 300 W into 8 ohms mono; DC-overload and thermal protection. FR 7-50,000 Hz; THD <0.05%; S/N 105 dB. 19 lb ..... \$822

## THRESHOLD

### SA/12e Stasis 275-W Mono Amplifier

Noninverting complementary-symmetry mono amp with J-FET in front-end signal path and proprietary Stasis output stage; binary topology in pure Class A voltage amp connected directly to loudspeaker load and operated with high-amperage current mirror also in pure Class A; output-stage bias accuracy maintained through Threshold's proprietary optical-bias technology. DC-coupled front-end gain stages are biased for Class A operation at all signal levels; subject to cascode shielding and two stages of current regulation; power supply; two 1,200-watt toroidal transformers, 250,000  $\mu$ F capacitance, 62,000  $\mu$ F of front-end decoupling; output stage: 64 high-speed, 250-watt, 200-volt, 20-ampere devices. Input imp switchable between 50,000 ohms unbalanced through RCA connectors and 600 ohms balanced through locking XLR connectors; thermal protection circuitry. 275 watts pure Class A operation 20-20,000 Hz into 8 ohms, at 0.1% distortion; slew rate 50 V/ $\mu$ S; current capability 70 amps cont, 200 amps peak; noise <100 dB; output imp <0.03 ohm at 20-20,000 Hz. 19 x 8 3/4 x 27; 120 lb ..... \$7,200

### SA/4e Stasis 100-W/ch Amplifier

Dual channel version of SA/6e with two 800-W toroidal transformers, 186,000- $\mu$ F capacitance, 31,000- $\mu$ F front-end decoupling/ch. Output stage 24 high-speed 250-W, 200-V, 20-amp devices/ch. 100 W/ch pure Class A. 20-20,000 Hz, both ch. driven into 8 ohms at 0.1% distortion; current capability 35 amps/ch cont, 120 amps/ch peak. 19 x 8 3/4 x 23 3/4 in; 97 lb ..... \$6,300

### S/550e Stasis 250-W/ch Amplifier

Dual-channel version of S/1600e with two 800 W toroidal transformers, 186,000- $\mu$ F capacitance, 31,000- $\mu$ F front-end decoupling/ch. Output stage 24 high-speed 250-W, 200-V, 20-amp rated devices/ch. 250 W/ch. 20-20,000 Hz, both ch. driven into 8 ohms at 0.1% distortion; slew rate 50 V/ $\mu$ s; current capability 30 amp/ch cont, 100 amp/ch peak; output imp <0.03 ohm at 20-20,000 Hz. 19 x 8 3/4 x 23 3/4 in; 97 lb ..... \$6,300

### SA/10e Stasis 175-W Mono Amplifier

As SA/12e except lower power and power supply with single 1,200-W toroidal transformer, 186,000- $\mu$ F capacitance, 62,000- $\mu$ F of front-end decoupling. Output stage: 44 high-speed 250-W, 200-V, 20-amp rated devices. 175 W pure Class A operation, 20-20,000 Hz into 8 ohms at 0.1% distortion; current capability 60 amps cont, 200 amps peak. 19 x 8 3/4 x 17 1/4 in; 79 lb ..... \$5,200

### S/450e Stasis 200-W/ch Amplifier

As S/550e except lower power and power sup-

ply with single 1,200-toroidal transformer, 186,000- $\mu$ F capacitance, 31,000- $\mu$ F front-end decoupling/ch. Output stage: 22 high-speed 250-W, 200-V, 20-amp rated devices/ch. 200 W/ch 20-20,000 Hz, both ch driven into 8 ohms at 0.1% distortion; current capability 30 amps/ch cont, 120 amps/ch peak. 19 x 8 3/4 x 17 1/4 in; 79 lb ..... \$5,200

### SA/6e Stasis 125-W Mono Amplifier

As SA/10e except lower power and power supply with single 800-W toroidal transformer, 124,000- $\mu$ F capacitance; 1,900- $\mu$ F front-end decoupling. Output stage: 28 high-speed 250-W, 200-V, 20-amp rated devices. 125 W pure Class A operation 20-20,000 Hz into 8 ohms at 0.1% distortion; current capability 50 amps cont, 135 amps peak. 19 x 8 3/4 x 13 1/4 in; 56 lb ..... \$3,950

### SA/3.9e Stasis 60-W/ch Amplifier

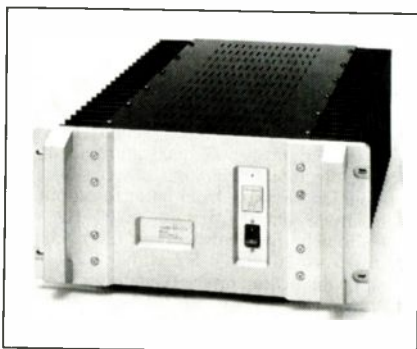
As SA/4e except lower power and power supply with single 800-W toroidal transformer, 124,000- $\mu$ F capacitance, 950- $\mu$ F front-end decoupling/ch. Output stage: 14 high-speed 250-W, 200-V, 20-amp rated devices/ch. 60 W pure Class A operation 20-20,000 Hz driven into 8 ohms at 0.1% distortion; current capability 30 amps/ch cont, 95 amps/ch peak. 19 x 8 3/4 x 13 1/4 in; 56 lb ..... \$3,950

### S/350e Stasis 150-W/ch Amplifier

As S/450e except lower power and power supply with single 800-W toroidal transformer, 124,000- $\mu$ F capacitance, 950- $\mu$ F front-end decoupling/ch. Output stage: 14 high-speed 250-W, 200-V, 20-amp rated devices/ch. 150 W/ch 20-20,000 Hz, both ch driven into 8 ohms at 0.1% distortion; current cap 25 amps/ch cont, 100 amps/ch peak ..... \$3,950

### S/200 Stasis 100-W/ch Amplifier

Class A amplifier featuring power supply with single 400-W toroidal transformer, 30,000- $\mu$ F capacitance. Output stage: 8 high-speed 250-W, 200-V, 20-amp rated devices/ch. 75 W/ch 20-20,000 Hz into 8 ohms with THD <0.15%; current capability 8 amps/ch cont, 50 amps/ch peak. 19 x 8 3/4 x 9 1/4 in; 44 lb ..... \$2,100



Threshold SA/12e

## YAMAHA

### MX-2000 130-W/ch Amplifier

Class A design uses 8 MOSFET and hyperbolic conversion amplification (HCA) power circuitry. Three independent power supplies; direct error-correction system; pure copper/copper-plated anti-magnetic, vibration-resistant chassis construction; two-box chassis construction; analog VU peak meters. 130 W/ch into 8 ohms, 20-20,000 Hz at 0.003% THD; 600 W/ch into 1 ohm. Titanium finish with wood side panels ..... \$1899

### MX-1000U 250-W/ch Amplifier

600,000  $\mu$ F x 2 power-supply capacitance. Fea-

tures hyperbolic conversion amplification circuit; A+B+C speaker switching; 26-segment LED power-level meters; independent left and right level controls; 4-digit numerical power-output display; LED meter and digital peak-hold display; meter display load selectors; compatible with banana plugs. 260 watts per channel into 8 ohms; frequency response 20-20,000 Hz; THD <0.003% ..... \$1,199

### MX-830Ti 170-W/ch Amplifier

Features hyperbolic conversion amplification circuit. Advanced Power Supply (APS); A+B+C speaker selector; independent left and right level controls; individual left- and right-channel clipping indicators; compatible with banana plugs; rounded front-panel design. 170 W/ch into 8 ohms; 600 W into 1 ohm; FR 20-20,000 Hz; THD <0.003%. Titanium finish \$699  
MX-830. As above, black ..... \$699

### MX-630Ti 135-W/ch Amplifier

Features hyperbolic conversion amplification circuit. A+B speaker selector; independent left and right level controls; individual left- and right-channel clipping indicators; compatible with banana plugs; rounded front-panel design. 135 W/ch into 8 ohms; 500 W into 1 ohm; FR 20-20,000 Hz; THD <0.003%. Titanium finish \$499  
MX-630. As above, black ..... \$499

### MX-35/Ti 40-W/ch Amplifier

2- or 4-channel design featuring independent level controls. 40 W/ch min rms x 2 into 8 ohms; FR 20-20,000 Hz; THD 0.05%. 20 W x 4 rms into 8 ohms; FR 20-20,000 Hz; THD 0.07%; 13 lb. Titanium finish ..... \$299  
MX-35. As above, black ..... \$299

### YST-ASTi 50-W/ch Amplifier

Active-servo technology design compatible with active-servo or conventional loudspeakers. Front-panel clipping indicator; banana-plug-compatible speaker connectors; standard speaker cartridge included. Titanium finish \$249  
YST-A5. As above, black ..... \$249

### MX-M70Ti 50-W Mono Amplifier

For use as center-channel amp in Dolby Pro-Logic systems or in pairs as stereo amplifier. Clipping indicator; input-level control. 70/85/110 W max into 8/6/4/ ohms; FR 20-20,000 Hz; THD <0.03%; S/N 117 dB. Titanium finish ..... \$199  
MX-M70. As above, black ..... \$199

## YBA BY MUSIC HALL

### YBA Signature 100-W/ch Amplifier

Features decoupled power supply; capacitors and input modules mechanically damped. 100 W/ch into 8 ohms; FR 5-80,000 Hz -3 dB; S/N >100 dB ..... \$10,000

### YBA 1 85-W/ch Amplifier

Features 2 mono amplifiers with separate power supplies in one chassis. Output transistors mounted on mica and copper to reduce capacitive effects; pure crystal copper internal wiring. 85 W/ch at 8 ohms; FR 5-80,000 Hz -3 dB; S/N >100 dB ..... \$6,000  
High-current version. .... \$7,000

### YBA 2 70-W/ch Amplifier

Features separate power supply for each channel. Protective fuses in the feedback loop to eliminate audible effect. 70 W/ch into 8 ohms; FR 5-80,000 Hz -3 dB; S/N >100 dB ... \$3,100  
High-current version. .... \$3,750

### YBA 3 50-W/ch Amplifier

Similar to above. 50 W/ch into 8 ohms; FR 5-100,000 Hz -3 dB; S/N >100 dB ..... \$1,800  
Dual mono power-supply version. .... \$2,250



# OPTIMUS<sup>®</sup> LIVE IN CONCERT!<sup>SM</sup>

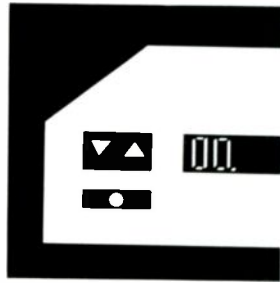
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# TUNERS



## ACCUHASE BY MADRIGAL

### T-106 AM/FM Tuner

Quartz-locked synthesis; 14-station random memory; pulse tuning; double-tuned front end; FM stereo demodulator; AM synchronous detector; signal-strength meter; peak-modulation meter; MPX filter; sel switch; muting switch. FM: 50-dB quieting sens. mono 17 dBf, stereo 17 dBf; S/N 83 dB stereo, 79 dB mono (at 80 dBf A-wtd); FR 10-60,000 Hz +0, 0.5 dB; cap ratio 1.5 dB; AM sup 80 dB at 65 dBf. AM: sens 20  $\mu$ V/m at 20 dB; 17½ x 5 x 14½ in ..... \$2,750

### T-107 FM Tuner

Electronic tuning; 12-station random memory; auto sweep for FM reception; double-tuned front end rejects interference and IM; differential-gain linear FM detector; IF filters with flat group-delay characteristics; resonator-controlled stereo demodulator; multipath and signal-strength meter; MPX filter; muting switch. FM section: 50-dB quieting sens. 17 dBf; S/N stereo 85 dB; FR 10-16,000 Hz,  $\pm$  3 dB; cap ratio 1.5 dB; AM sup 80 dB; adj-ch rej 30 dB. Champagne-gold or anodized-black finishes. 17½ x 4¼ x 13 in; 13 lb ..... \$1,800

## ACOUSTIC RESEARCH

### T-06/R AM/FM Tuner

Built-in infrared receiver can be linked to A-07 amplifier and/or RD-06 cassette deck. FM section: 50-dB quieting sens. mono 14.6 dBf, stereo 37.2 dBf; AM rej 60 dB; cap ratio 1.5 dB; S/N 78 dB mono, 73 dB stereo (at 65 dBf A-wtd); FR 30-15,000 Hz,  $\pm$  1.0 dB; sep 45 dB. AM section: S/N 50 dB. 17¼ x 3½ x 10½ in; 13.38 lb... \$400

T-06. Same as above, without remote-control facility ..... \$330

RC-03. Remote control for T-06/R ..... \$25

## ADCOM

### GFT-555II AM/FM Tuner

Features quartz-referenced digital-synthesis tuning. Buffered output stages using Class A amplifier; 1% Roederstein metal-film resistors and metal-film capacitors Auto up/down scan; instant-recall preset tuning; fluorescent digital-frequency display; 8 AM/FM presets; 5-LED signal-strength display; switchable high-blend circuit; mono/mute switch; tuning accuracy of 0.00025%. THD 0.1% at 1,000 Hz; 50-dB quieting sens 36 dBf; S/N 78 dB stereo; FR 30-15,000 Hz  $\pm$  3 dB; cap ratio 1.7 dB; AM suppression 70 dB. 17 x 3¼ x 12½ in ..... \$300

GFP-555IIV. As above with white front panel ..... \$350

a/d/s/

### Atelier T2 AM/FM Tuner

AM/FM synthesis tuner with 16 station presets and auto FM search tuning. Features flywheel manual tuning; fine-tuning control; switchable

muting; high-blend control; LED frequency display; center tuning plus signal-strength displays; AC outlets. FM section usable sens mono 1.0  $\mu$ V (11.0 dBf) stereo 5.5  $\mu$ V (26.1 dBf); stereo 50-dB quieting sens 15  $\mu$ V (34.8 dBf); S/N mono >70 dB, stereo >65 dB; FR 10-14,500 Hz, +0, -1 dB; ch sep >38 dB at 10,000 Hz; cap ratio <1.8 dB. AM quieting sens <5  $\mu$ V. 17½ x 2¼ x 14¼ in 13.25 lb ..... \$539

## ARAGON BY MONDIAL DESIGNS

### 4T2 AM/FM Tuner

Features 16 station presets; seek mode; gold-plated connectors; copper-shield-encased circuit board; steel-enclosed transformer. Cap ratio 1; alt-ch sel 66 dB; separation 50 dB. 19 x 3 14 in; 15 lb ..... \$695

## ARCAM

### Delta 80 AM/FM Tuner

Analog tuner with digital frequency display and 6 AM/FM presets. Features flywheel-assisted rotary knob; 3-color FM tuning indicator and logarithmically scaled signal-strength meter; automatic frequency control (AFC) switch; mono switch. FM section: sens 1.4  $\mu$ V; stereo S/N 70 dB; cap ratio 1.5; AM section: S/N 50 dB reference 30% modulation. Black finish. 17 x 2½ x 10½ in; 10 lb. Black ..... \$600

### Alpha 2 AM/FM Tuner

Features birdie filter; single glass-fiber PC board. MW/LW reception; automatic-frequency-control (AFC) switch; mono switch; red LED beacon; rotary flywheel tuning control with analog tuning scale. FM section: sens 1.4  $\mu$ V; stereo S/N 68 dB; FR 20-12,000 Hz  $\pm$  0.5 dB, -2 dB at 15,000 Hz; ch sep at 1,000 Hz >40 dB; cap ratio 1.5 dB; alt-ch sel >60 dB; AM >50 dB. AM section: MW - 5300-16,000, LW - 1,600-2,700 Hz; S/N 50 dB reference 30% modulation. Charcoal finish. 17 x 9 x 3¼ in; 5 lb. .... \$330

## AUDIO BY VAN ALSTINE

### Transcendence Series Two AM/FM Tuner

AM/FM tuner with discrete audio stage. Features isolated active output circuits; all-metal film resistors and capacitors; Class-A current-sourced predrivers; separate shunt-regulated and filtered power supply. Electronic signal seeking; digital readout; 5 nonvolatile station presets; mono/stereo switching; variable between-step tuning. 17 x 3 x 9 in; 10 lb ..... \$795

### Omega AM/FM Tuner

FM tuner with FET integrated circuitry in audio stages to prevent overloads. Features film coupling capacitors; optimized power supply decoupling circuits. Electronic signal-seeking and tuning; digital readout; nonvolatile station presets; mono/stereo switching; variable tuning; headphone jack. 17 x 3 x 9 in; 9 lb. .... \$495

## AUDIO DESIGN ASSOCIATES

### MT-3000 AM/FM Tuner

Multi-tuner with 3 independent tuner modules capable of playing different stations simultaneously in different rooms; includes 10 station presets per module. Features programmable 4-digit code for each preset station; stereo lock indicators; mute control; stereo dynamic noise blend; 2 FM stereo tuner modules; 1 AM stereo tuner module; modules can be upgraded independently; one output capable of accessing all three tuner modules; 3 RF inputs, 1 per module; 3 stereo line-level outputs, 1 per tuner module; 1 stereo line-level output with access to all 3 tuners; remote-control inputs; three 5-volt pulse inputs, 1 per tuner module; one 5-volt pulse input with access to all three tuners; AC power can be switched from 120 V/60 Hz to 240 V/50 Hz; includes options for multifunction remote control; IHF mono/stereo 8/14.5 dBf; cap ratio 1.4; AM suppression 54 dB; alt-ch sel 80 dB; separation at 1,000 Hz 50 dB, max S/N mono/stereo 74/69 dB; FR 30-50,000 Hz  $\pm$  0.5 dB; THD mono/stereo 0.075% at 1,000 Hz; 50-dB quieting mono/stereo 13/34. 19 x 3½ x 11 in; 8 lb ..... \$2,500

## AUDIOSOURCE

### TNR-ONE AM/FM Tuner

Quartz digital PLL tuning; 20-station memory presets; auto scanning and auto muting; digital display. Alt-ch sel 65 dB; cap ratio 1.0 dB; S/N 76 dB stereo, 70 dB mono. 16½ x 2½ x 11½ in; 8.38 lbs ..... \$230

## CARVER

### TX-11b AM/FM Tuner

Digital quartz-synthesis tuner with asymmetrical charge-coupled FM detector circuit to reduce multipath distortion. Features AM stereo section with 35 dB separation and S/N 77 dB. LED signal-strength meter; 13 random AM/FM presets; wide/narrow bandwidth selector; indoor AM/FM antenna included. Stereo sens 16.3 dB IHF; cap ratio 1.0 dB; AM suppression 75 dB; stereo alt-ch sel 110 dB; stereo THD 0.02% at 1,000 Hz; stereo S/N 82 dB. 11 lb ..... \$750

### TX-12 AM/FM Tuner

Quartz-synthesis tuner with asymmetrical charge-coupled FM detector circuit to reduce multipath distortion. Features 20 random AM/FM presets with preset scan; analog signal-strength meter; wireless remote; indoor AM/FM antenna included. Stereo sens 18.6 dBf IHF; cap ratio 1.45 dB; AM suppression 72 dB; alt-ch sel 60 dB; THD 0.02% in stereo at 1,000 Hz; stereo S/N 76 dB. 10 lb ..... \$400

### TX-10 AM/FM Tuner

Digital quartz-synthesis tuner with asymmetrical charge-coupled FM detector circuit. 20 random AM/FM presets with preset scan; digital

# TUNERS

signal-strength meter; wide/narrow bandwidth selector; indoor AM/FM antenna included. Stereo sens 23.5 dBf IHF; cap ratio 1.6 dB; AM suppression 72 dB; alt-ch sel 58 dB; stereo THD 0.2% at 1,000 Hz; stereo S/N 74 dB. 9 lb .. \$300

## CREEK AUDIO BY MUSIC HALL

### T40 FM Tuner

FM tuner with auto mute. Features auto mute, AFC, local/DX; narrow/wide switching .... \$475

## DAY SEQUERRA

### Day Sequerra FM Studio Tuner

Features spectrum analyzer, audio vector oscilloscope; FM tuning with 1-kHz accuracy, multi-path display; RF frequency counter. Fully balanced, dual-differential RF signal path with FET circuitry. Modified Travis-Smith detector for flat frequency response over 1.2 MHz deviation bandwidth. 19½ x 7¾ x 16-in cabinet version; 19 x 7 x 15½ in rackmount version; 45 lb \$12,800

### Day Sequerra FM Tuner

Analog FM tuner with 100 Hz tuning accuracy to preserve ch separation. Features multiple IF processors with variable Q circuits; selectable IF bandwidths for adj-ch sel; dual-mono servos with balanced outputs; absolute phase and phase-compensation circuitry. 35 lb ... \$3,800

## dbx

### TX-3MkII AM/FM Tuner

Tuner with Schotz NR for improved reception in difficult conditions. Features 8 AM and 8 FM presets; auto hi-blend to reduce noise; seek mode. Frequency response 20-15,000 Hz ± 0.35 dB; THD 0.07% ..... \$599

## DENON

### TU-660 AM/FM Tuner

Features switchable wide/narrow IF bandwidth. Audio deemphasis and noise filtering; switchable audio filter bandwidth. 30 station preset; remote preset station selection from Denon A/V amplifiers or PRA-1500 preamplifier; seek/scan and manual-step tuning; last-station-tuned memory. FM section: usable sens 11.2 dBf; stereo 50 dB sens 37.2 dBf; cap ratio 1.3 dB; FR 20-15,000 Hz +0.5, -1 dB; S/N stereo >80 dBA; THD stereo <0.1%; separation 50 dB at 1,000 Hz; sel (wide) 50 dB, (narrow) 75 dB. AM section: usable sens 18 µV; FR 85-7,500 Hz +1.5, -3 dB (wide); S/N 53 dB ..... \$330

### TU-460 AM/FM Tuner

Quartz-lock digital tuner with 30 station presets. Features last-channel memory; auto-scan tuning; manual step tuning; RF attenuator switching. Includes Denon Integral System remote for control from Denon IS receivers, preamps, and A/V amps. FM 50 dB quieting sens 38.5 dBf stereo, 15.3 dBf mono; S/N 82 dB mono, 78 dB stereo; cap ratio 1.5 dB; sep 45 dB at 1,000 Hz ..... \$240

## DUAL

### CT5040 AM/FM Tuner

Digital-synthesis tuning and 40 AM/FM station presets. Black ..... \$149

## GOLDMUND BY INTERNATIONAL AUDIO TECHNOLOGIES

### Mimesis 4 FM Tuner

FM tuner features analog construction; manual flywheel tuning; 6 station presets; adjustable

bandwidth for sonic optimization; automatic frequency-control circuit; switchable mute circuit; LED tuning display; 3 separate power supplies using 2 transformers; independent grounds for chassis and signal; AC line polarity switch; dual antenna connections; 600 ohms, DC coupled output. 50-dB quieting sens 2.5 µV, stereo 27.5 ± V; cap ratio 1.5; image rejection 75 dB. 19 x 15¾ x 1¼ in; 22.1 lb ..... \$4,890

## GRUNDIG

### T-9000 AM/FM Tuner

Quartz-synthesis tuner with 29 station presets. Features integrated automatic PLL decoder. Fluorescent display; switchable automatic and manual tuning; program scan; 2 LF-out jacks; headphone jack. Sens at 75 ohms, mono < 0.6 µV, stereo 2.4 µV; dynamic selectivity, standard bandwidth, >65 dB at ±300,000 Hz; transmission range 30-15,000 Hz ± 1 dB. 17 x 3¼ x 12¾ in ..... \$1,199

### T-903 AM/FM Tuner

Quartz-synthesis tuner with 19 station presets. Features integrated automatic PLL decoder; automatic or manual station search for FM and manual search for AM; ceramic resonators in PLL stereo decoder for better channel separation; Buffered IF outputs. Station presets memorize functions, mono and stereo; muting switch; memory scan; LCD panel. Sens at 75 ohms, mono < 1 µV, stereo < 35 µV; distortion, stereo at 1,000 Hz < 0.4%; S/N at 40,000 Hz shift, stereo, 73 dB; dynamic selectivity 70 dB ± 300 Hz; FR 10-15,000 Hz ± 3 dB ..... \$449

## HAFLER

### Iris FM Tuner

Digital-synthesis PLL tuning system. 3 dual-gate MOSFET; 5 tuned front-end circuits; triple-tuned RF stage; auto DX; 5 station memory; auto-search; digital readout; remote operation with Iris preamp. Usable sens 11.3 dBf; 50-dB quieting sens 17.2 dBf mono, 37.2 dBf stereo; THD 0.1% mono, 0.18% stereo; cap ratio 1.5 dB; alt-ch sep 60 dB; S/N 72 dB mono, 68 dB stereo. 17 x 3 x 8½ in; 9 lb ..... \$450

### SE-130 AM/FM Tuner

Digital-synthesis PLL tuner with 12 FM and 6 AM presets; Delco Electronics signal-detection circuitry; AM section features a four-varactor diode tuner; AGC-controlled dual-gate MOSFET RF amplifier; noise-blanking circuit. 2 ceramic IF filters and MPX filtering; bidirectional seek/scan; signal-strength meter; muting; stereo/mono switch; gold-plated output jacks; 10-year lithium battery. 17 x 3 x 8½ in ..... \$349

## HARMAN KARDON

*All tuners feature seek and manual tuning.*

### Citation Twenty-Three AM/FM Tuner

Digital-synthesis, quartz-locking design with high-selectivity (Hi Q) circuit. Features 16 AM/FM presets; mono and mute buttons; LCD readout; analog fine-tuning; remote control. FM section (w/ Hi Q): 50-dB quieting sens 40.4 dBf (stereo); AM rej 70 dB; cap ratio 1.75 dB; adj-/alt-ch sel 30/75 dB; S/N 75 dB (stereo); stereo sep 35 dB (a 1,000 Hz ..... \$699

### TU9600 AM/FM Tuner

Features 24 presets; digital fine tuning; 2 antenna inputs; FM stereo pilot and subcarrier noise reduction; 2-volt output; hi-blend circuit; remote control. Black or champagne finish. \$429

### TU9400 AM/FM Tuner

Features 24 presets; FM stereo pilot and subcar-

rier noise reduction; 2-volt output; hi-blend circuit ..... \$319

### TU909 AM/FM Tuner

Digital-synthesis, quartz-locking design. Features 6 AM/12 FM presets; black-out LCD. FM section: 50-dB quieting sens 38.2 dBf (stereo); AM rej 45 dB; cap ratio 1.5 dB; adj-/alt-ch sel 5/70 dB; S/N 72 dB (stereo); stereo sep 45 dB (a 1,000 Hz. Black metal finish. 17¾ x 2¾ x 14¾ in; 10 lb ..... \$229

## HEATH

### AJW-2520 AM/FM Tuner

Quartz-locked tuner with 16 AM/FM presets. Station memory retained up to one week after power failure. Features low group-delay IF section; 3-segment LED signal-strength meter; muting; manual up/down tuning; bidirectional tuning; tuned indicator. FM section: 50-dB quieting sens, mono 37 dBf; cap ratio 1.3 dB; S/N 74 dB stereo, 82 dB mono ..... \$125  
AJ-2520. Unassembled kit ..... \$115

## JVC

### FX1010TN AM/FM Tuner

Quartz-PLL digital-synthesis tuner with Optical-link system for reduced noise. Features 40 AM/FM station presets; auto memory; preset scan; variable stop level; dB signal-strength indicator; 6-column alphanumeric display; 2 antenna inputs; program memory and monitor for recording off air unattended; record calibration signal generator ..... \$480  
FX1100BK. Same as above in black ..... \$470

## KENWOOD

### L-1000T FM Tuner

Quartz-PLL tuner with distortion correcting circuit. Features offset tuning; quieting control; remote control. FM: 50-dB quieting sens 38.8 dBf stereo; AM rej 70 dB; capture ratio 1.0 dB; alt-ch sel 70 dB ..... \$1,100

### KT-5020 AM/FM Tuner

Quartz-synthesis tuner. Features 20 station presets; preset scan; wide/narrow bandwidth selector; remote control. FM: 50-dB quieting sens 38.8 dBf stereo; AM rej 76 dB; capture ratio 2.5 dB (narrow); alt-ch sel 60 dB. AM: sel 30 dB. 17¼ x 3¾ x 12½ in; 7.9 lb ..... \$269

### Spectrum Series

### KT-89 AM/FM Tuner

Quartz-synthesis tuner with programmable 2-event, 60-min sleep timer. Features 20 station presets, 12 with station name; preset scan. FM: 50-dB quieting sens 38.2 dBf stereo; AM rej 68 dB; cap ratio 2.0 dB; alt-ch sel 50 dB. AM: sel 23 dB. 17¼ x 3 x 10½ in; 5.5 lb ..... \$169

## LUXMAN

### T-117 AM/FM Tuner

Digital-synthesis tuner with twin FM detectors; Features computer-analyzed tuning system; dual-gate MOSFET front-end circuitry. 24 AM/FM presets; selectable FM/IF bandwidth; record-calibration button; FM fine tuning (25 kHz increments); timer-program button; auto-seek/manual tuning button with indicator; IF wide/narrow indicators. FM section: 50-dB quieting sens 36 dBf; AM rej 70 dB; cap ratio 1.5 dB; alt-ch sel 80 dB (narrow); S/N 78 dB (stereo). AM section: S/N 48 dB ..... \$600

### T-111 AM/FM Tuner

Digital-synthesis tuner with computer-analyzed tuning system. Features 20 AM/FM presets;

# TUNERS

fine tuning (25 kHz increments); unattended program recording; auto-seek/stereo mute button with indicator. FM section: 50-dB quieting sens 38 dBf; AM rejection 68 dB; capture ratio 1.3 dB; alt-ch selectivity 60 dB; signal-to-noise ratio 70 dB (stereo). AM section: S/N 52 dB. 17¼ x 2½ x 8½ in; 5.1 lb ..... \$300

## MAGNUM DYNALAB

### Etude FM Tuner

Features analog tuning; isolated power-supply switching; dual AGC stage monitors. Digital display; high/low level audio outputs; auto-blend circuit with manual defeat; panel meters for continuous monitoring of RF signal input, multipath interference level and center-tune condition; stereo/mono switch; noise-activated muting system with manual defeat; switchable wide/narrow IF bandwidth. Audioquest OFC inter-cabling and Solen/Chateaufoux polypropylene capacitors used throughout. WBT connectors. Optional upgrade available including Kimber Kable AG sliver inter-cabling. Usable sens 10.3 dBf (mono), 11.2 dBf (stereo); 50-dB quieting sens 13.2 dBf (mono), 34.0 dBf (stereo); cap ratio >1.5 dB; alt-ch sel >70 dB (wide), >80 dB (narrow); adj-ch sel 12.0 dB (wide), adj-ch sel 30.0 dB (narrow); stereo sep 60.0 dB; AM rej -70 dB. 19 x 3½ x 13 in; 15 lb ..... \$1,295

### FT-101A FM Tuner

Features MOSFET front end; group-delay ceramic filtering; analog tuning; auto-blend circuit adjusts stereo separation. Instant-on capability keeps tuner circuitry in standby; on/off switch controls panel lighting, frequency display and audio output; stereo-blend defeat; switchable wide/narrow IF bandwidth; noise-activated muting system with manual defeat; stereo/mono switching; manual/auto frequency-control switching; panel meters for continuous monitoring of RF signal input, multipath interference level and center-tune condition; rotary tuning. Rack mountable. Usable sens 10.3 dBf (mono), 11.2 dBf (stereo); 50-dB quieting sens 13.2 dBf (mono), 34.0 dBf (stereo); capture ratio 1.5 dB; alt-ch selectivity 60 dB (wide), 80 dB (narrow); adj-ch selectivity 9 dB (wide), 25 dB (narrow); stereo separation 60 dB; AM rejection -70 dB. 19 x 3¼ x 13 in; 12 lb. Black, champagne gold, or brushed silver ..... \$775

### FT-11 FM Tuner

Features IF amplification; MPX decoding circuitry; group-delay circuitry; analog tuning; sequential blend circuit adjusts stereo separation automatically. 3 programmable station presets; rotary flywheel tuning; stereo/mono switch; noise-activated muting system with manual defeat; panel meters for continuous monitoring of RF signal input and center-tune condition. Usable sens 12.1 dBf (mono); 50-dB quieting sens 35.3 dBf (stereo); stereo separation 50 dB; cap ratio 1.5 dB; alternate channel selectivity 70 dB; adj-channel selectivity 12 dB; AM rejection 70 dB. 17 x 2½ x 7 in; 10 lb ..... \$449

## MARANTZ

### ST 54CG AM/FM Tuner

Quartz-locked digital frequency-synthesis tuner. Features 24-station preset memory (16 FM/8 AM, plus bandwidth setting for each preset); retains memory for 2 weeks without AC or battery; switchable wide/narrow bandwidth. Gold finish; rosewood side panels ..... \$500

**ST 54 BL.** As above, without gold color and rosewood side panels ..... \$420

### ST 35 BL AM/FM Tuner

Features dual-gate MOSFET front end; 16 FM/8

AM presets; LED signal meter ..... \$300

## MCINTOSH

### MR-7083 AM/FM Tuner

Features 8 AM/FM station presets; PLL Multiplex decoder; Spatial audio processor; signal-strength-activated noise suppression; low-impedance loopstick antenna; scan or manual tuning; auto center channel AM station tuning. 50-dB quieting sens, mono 15 dBf, stereo 37 dBf; usable sens 11.25 dBf; AM rej >78 dB; cap ratio 1.5 dB; alt-ch sel 70 dB; FR 20-15,000 Hz +0, -1 dB; separation 50 dB. 16¼ x 5½ x 13 in; 15.5 lb ..... \$1,699

## MISSION ELECTRONICS

### Cyrus AM/FM Tuner

Digital synthesis, quartz-PLL tuner with 59 AM and 50 FM presets. Features magnesium multi-die-cast chassis; aluminum die-cast cover and front; toroidal transformer. Full-function remote; programmable 15-dB volume control; display shutdown; direct station access; scan mode; handset-disable option; 2-mode operation; automatic storing; flip and browse facility. Nextel grey or matte-black finish. 17 x 3 x 13½ in; 15 lbs ..... \$649

## MUSEATEX

### Melior (RO) FM Tuner

Sens mono 10.2 dBf, stereo 11.2 dBf; 50-dB quieting sens mono 13.2 dBf, stereo 34 dBf; cap ratio 1.5 dB wide, 2.0 dB narrow; alt-ch sel 50 dB wide, 75 dB narrow; sep. 53 dB at 1,000 Hz; THD 0.15% mono, 0.25% stereo at 1,000 Hz, 100% modulation; S/N 70 dB mono, 65 dB stereo. 22.5 lbs ..... \$1,150

## NAD

### Model 4300 Monitor Series AM/FM Tuner

Features digital frequency-synthesis tuning; 8 AM/FM presets; IF wide/narrow; FM NR. Stereo separation 55 dB; sel 80 dB; image rej 120 dB; S/N >80 dB. Rack mountable ..... \$499

### Model 4225 AM/FM Tuner

Features IF filters; switchable blend circuit. 14 random AM/FM presets. S/N >75 dB ..... \$249

## NAIM AUDIO

### NAT 01 FM Tuner

Features automatic bandwidth selection; switches progressively from mono to full stereo; power from separate power supply. Digital frequency display increases in brightness to indicate better tuning. Output level 250 mV/ch at 100% modulation. 11¼ x 3 x 8 in. .... \$2,995

**NAT 02 FM Tuner.** As above, with simplified frequency filtering and no separate power supply ..... \$1,725

## NAKAMICHI

### ST-7 AM/FM Tuner

Tuner with Schotz noise reduction. Features 5-segment signal/multipath meter; PLL circuitry; 16 station presets; output-level controls (R + 1, independent). FM IHF sensitivity mono 1.7 µV (10 dBf), stereo 3.9 µV (17 dBf); FM usable sensitivity mono 1.7 µV (10 dBf), stereo 3.9 µV (17 dBf); 50-dB quieting sensitivity mono 2.7 µV (14 dBf), stereo 14 µV (28 dBf); THD stereo 0.08%, mono 0.06% at 1,000 Hz; signal-to-noise ratio 76 dB stereo, 80 dB mono; Frequency response 20-15,000 Hz, ±1 dB; capture ratio 1.9 dB; sep 55 dB at 1,000 Hz; AM suppression >60 dB; alt-ch rejection >60 dB. 17¼ x 2½ x 11¾ in; 10½ lb ..... \$795

## ONIX AUDIO BY MUSIC HALL

### Onix BWDI FM Tuner

Analog FM tuner with digital display and auto mute. Adjustable AFC; 10-dB antenna to reduce signal overloading; external power supply \$885

## ONKYO

### T-4300 AM/FM Tuner

40 random-access presets with battery-free backup; automatic scan tuning; classified memory presets with up to six classifications; R1 system remote compatible ..... \$200

### Integra Series

#### Grand Integra T-G10 FM Tuner

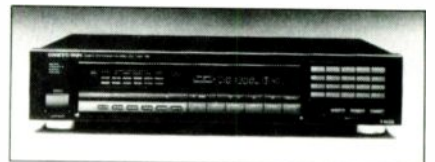
Features 5-mode APR (Automatic Precision Reception) system that can be operated automatically or manually to optimize reception; A/B antenna, RF (distant/local), IF bandwidth (wide/narrow/S-narrow), hi-blend (on/off), and stereo/mono. Battery-free memory backup; chassis damping. Dual antenna inputs; 20 station presets with scan; FM fine tuning; timer preset programming; R1 remote compatible. Controller included. Wood side panels. .... \$850

#### Integra T-9090II FM Tuner

Features dual-mode PLL circuit and Sonic Filter Circuit to improve tuning accuracy. Features same APR reception system offered in T-G10 tuner; power-supply filter. Dual antenna inputs; 31-key remote control; 20 station presets with scan; auto strongest-station memory; multifunction digital display; digital signal-strength readout; timer preset programming; adjustable output-level; FM fine tuning. Wood side panels. 50-dB quieting sensitivity 37.2 dBf (stereo); cap ratio 1.0 dB; S/N 85 dB (stereo); stereo sep 55 dB 1,000 Hz. 18¼ x 4 x 15¼ in; 18.7 lb ..... \$750

#### Integra T-4700 FM Tuner

4 mode APR reception system with manual override; 7-varactor/MOSFET RF section; Isohex power supply; 6-category classified scan with programmable alphanumeric ID; 40 random-access presets; full or category preset scan; FM fine tuning (25 or 50 kHz steps); dual antenna inputs; variable output; R1 system remote compatible with supplied controller. .... \$450



Onkyo Integra T-4500

#### Integra T-4500 AM/FM Tuner

3-mode APR reception system; IF bandwidth (wide/narrow), hi-blend (on/off), and stereo/mono; all modes can be overridden. Features RF section with 5 varactor diodes. Antenna attenuator switch; local/distant switch; 8-segment signal-strength indicator; 40 AM/FM station presets with classified memory scan; battery-free memory backup; R1 system remote compatible. FM: 50-dB quieting sensitivity 36.1 dBf (stereo); cap ratio 1.3 dB; S/N 73 dB (stereo); stereo sep 45 dB at 1,000 Hz. AM: S/N 40 dB. 17¼ x 3¼ x 14½ in; 8.8 lb ..... \$320

## PARASOUND

### T/DQ-260 II AM/FM Tuner

Quartz referenced, digital-synthesis tuner with 16 presets, 8 AM/8 FM; scan/manual tuning; mono switch; PLL tuning; regulated power sup-



# Command Performance.



## Introducing the new Adcom GTP-500 II Tuner/Preamplifier.

Only a few years ago, Adcom announced the dawn of a new era by introducing its GTP-500 tuner/preamplifier. Together with any of Adcom's critically acclaimed power amplifiers, this unique audio product has given thousands of cost-minded, serious music lovers a quality alternative far superior to the common receiver. The new, evolutionary GTP-500 II offers a meaningful expansion of convenient features and sonic performance.

### Full Command Of Your Music System

Control your system's power on/off, select pre-programmed FM and AM stations, scan the FM dial, adjust volume level and select different sources... all with Adcom's wireless remote controller. With optional Adcom remote sensors and additional loudspeakers, you can also enjoy your Adcom music system in other rooms throughout your home.

For total music system integration, the GTP-500 II remote sensors will also receive and retransmit commands to a majority of remotely controlled components, regardless of brand. This remarkable design gives you full command of your entire music system throughout your home and offers the ultimate flexibility of integrating the remote features of components manufactured by others.

### Value Measured By Performance

The overall performance of the new GTP-500 II is demonstrably superior through its evolutionary design

and the use of state-of-the-art component parts.

Adcom's unique, low-impedance RIAA compensation provides lower noise and distortion in the phono input stage. To further reduce noise and distortion in all stages, all switching devices are buffered.

Long term adherence to circuit design objectives is accomplished by utilizing 1% Roederstein resistors in all critical applications as well as a new low-loss, printed circuit board.

Through a careful balance of sensitivity and selectivity, the GTP-500 II optimizes FM performance whether you're in an urban or rural area. Design parameters, including an improved IF stage, have been optimized to translate into lower distortion. In fact, the quality of FM stereo reproduction through the GTP-500 II is as good as the broadcast itself.

### More Sound, Less Money

Adcom stereo components have established a reputation for sounding superior to components costing two and three times as much. The new GTP-500 II promises to keep faith with this tradition of more sound for less money.

Its ability to command your entire music system by remote control, and its exceptional sonic performance are why so many experts consider the GTP-500 II to be Adcom's command performance.

**ADCOM**<sup>®</sup>  
details you can hear

© 1990 ADCOM

# TUNERS

ply, 50-dB quieting sensitivity 37.7 dBf; alt-ch sel 66 dB; THD <0.05% mono, <0.1% stereo; FR 20-15,000 Hz  $\pm$ 0.5 dB; cap ratio 1.2 dB, 17 1/4 x 2 1/2 x 9 1/2 in ..... \$295

## PHILIPS

### FT-50 FM Tuner

Features four-gang FM front end with dual-gate MOSFET design and selectable IF bandwidth, 30 random presets; manual and auto scan; direct-access tuning with 10 front-panel keys; can be controlled by RC-5 remote-controlled amplifier ..... \$259

## PIONEER

### Elite F-91 AM/FM Tuner

Digital synthesis tuner. Features ARTS (Active Real-Time Tracing System) with IF filter; digital decoding; 4-ganged tuning capacitor; MOSFET circuit; 24 AM/FM station presets; 3-position muting level; remote compatible; honeycomb chassis. THD 0.02%; alt-ch sel 85 dB; S/N 92 dB ..... \$600

### F-656 AM/FM Tuner

FM section: 50-dB quieting sens, mono 15.9 dBf, stereo 37.3 dBf; cap ratio 1.0 dB; S/N (at 80 dBf) mono, 86 dB, stereo, 81 dB; FR 20-15,000 Hz,  $\pm$ 0.4, -1 dB, 16 1/2 x 3 3/4 x 12 1/2 in ..... \$325

### F-447 AM/FM Tuner

Features silent servo circuit to reduce beat noise between PLL and microprocessor clock frequencies; computer-controlled tuning system; AM servo circuit. Random presets for 36 AM/FM stations; tuning-mode memory; digital signal-level readout; stereo/mono switch, 16 1/2 x 3 3/4 x 12 1/2 in; 7.7 lb ..... \$200

## PROTON

### AT-670 AM/FM Tuner

PLL synthesis circuitry with Schotz II tuning. Features rotary knob; 2-color display; 18 FM, 9 AM presets; remote capability, 50-dB sens 32  $\mu$ V mono, 30  $\mu$ V stereo; AM rejection 65 dB; cap ratio 1.0 dB; S/N 83 dB mono, 74 dB stereo, 18 1/2 x 4 1/4 x 15 1/2 in; 15.5 lb ..... \$400

### 440 AM/FM Tuner

Features Schotz Noise Reduction; digital station readout; 12 station presets; memory backup holds station settings for 2 weeks when unplugged; adjustable rear-panel output level. FM section: 50-dB quieting sens mono (15.3 dBf), stereo (33.2 dBf); AM sup 60 dB; cap ratio 1.5 dB; sep 45 dB at 1,000 Hz; FM usable sens mono 1.8  $\mu$ V (10.3 dBf); THD stereo 0.2%, mono 0.05% at 1,000 Hz; S/N 70 dB stereo, 75 dB mono; FR 20-20,000 Hz  $\pm$ 0.2 dB; alt-ch rej 55 dB; adj-ch rej 90 dB. AM section: sens 300  $\mu$ V with built-in antenna, 16 1/2 x 2 1/2 x 9 1/4 in; 15 lb ..... \$300

## QUAD

### FM4 FM Tuner

Designed for use with Quad 44 preamp. No controls except 8 pushbuttons to store/recall station presets, tuning knob, power switch; bar-graph meter to indicate signal strength, center-channel tuning. Dedicated microprocessor recalls desired station from memory, tunes it, automatically sets muting, automatic frequency control levels. Stations stored in memory remain for up to 5 years with power disconnected. Available in anthracite grey. Mono distortion 0.05%, stereo 0.1%; cap ratio 2.5 dB; sel 53 dB; image/IF rejection 80/100 dB; frequency response 20-15,000 Hz  $\pm$ 0, -1 dB; crosstalk 40 dB at 1 kHz; pilot-tone suppress-

sion 60 dB; deemphasis switchable 50/75  $\mu$ sec; 8 x 1 1/4 x 5 1/4 in; 6 lb ..... \$695

## REALISTIC BY RADIO SHACK

### TM-150 AM/FM Tuner

Features PLL tuning; stereo/mono indicator/switch; FM stereo LED; illuminated tuning dial; built-in AM and FM antennas; terminal inputs for optional external FM antenna; mini compact chassis, 9 x 2 1/2 x 6 in ..... \$60

## REVOX

### B260-S FM Tuner

Stores 60 preset stations with reception modes in nonvolatile memory, allows user to arrange stored stations into separate groups for scanning. Signal-to-noise ratio less than 80 dB; total harmonic distortion 0.07%; FR 20-15,000 Hz  $\pm$ 0.5 dB; 17 1/4 x 4 1/4 x 13 in; 15.5 lb ..... \$1,675

**B160 FM-Tuner.** Similar to above, stores 30 preset stations ..... \$795

## ROTEL

### RT870 AM/FM Tuner

Quartz-PLL tuner with 16 AM/FM presets. Features 4 regulated power supplies; active filter network; shielded dual-gate MOSFET front end; FM noise-filter selector; digital signal-strength readout, 50-dB quieting sens 37.2 dBf stereo, 14.8 dBf mono; AM rej 58 dB; cap ratio 1.0 dB; alt-ch sel 60 dB wide, 80 dB narrow; S/N 75 dB stereo, 80 dB mono; FR 30-15,000 Hz  $\pm$ 0.5 dB; sep 48 dB at 1,000 Hz, 17 1/2 x 2 1/2 x 12 1/2 in; 8.5 lb ..... \$399

### RT850A AM/FM Tuner

Quartz-synthesis tuner with microprocessor circuitry. Features dual-gate MOSFET front end; 6 AM/6 FM presets, manual and autoscans tuning. FM section: usable sens mono 2  $\mu$ V (11.2 dBf), 50-dB quieting sensitivity mono 3  $\mu$ V (14.6 dBf), stereo 40  $\mu$ V (37.2 dBf); total harmonic distortion stereo 0.2%, mono 0.08% at 1,000 Hz; signal-to-noise ratio 73 dB stereo, 75 dB mono; Frequency response 30-15,000 Hz  $\pm$ 0, -2 dB; capture ratio 1.0 dB; separation 48 dB at 1,000 Hz; AM suppression 58 dB; AM section: sens 300  $\mu$ V/m; signal-to-noise ratio 50 dB, 17 x 2 1/2 x 11 1/2 in; 8.5 lb ..... \$299

## SANSUI

### TU-X7II AM/FM Tuner

Quartz-PLL synthesis tuner with digital decoder. Features RF-mode selector; IF-bandwidth selector; record calibrator; 2 separate antenna inputs; 30 random presets and numeric keypad for station recall; preset scan. Usable sensitivity 10.8 dBf; 50-dB quieting sensitivity 16.2 dBf (mono); total harmonic distortion <0.009% (mono), 0.02% (stereo); signal-noise ratio 98 dB (mono), 91 dB (stereo); alt-ch selectivity 60 dB (wide), 75 dB (narrow), 17 1/4 x 3 3/4 x 12 1/2 in; 11.2 lb. Black finish ..... \$500

### TU-X30II AM/FM Tuner

Quartz-PLL digital-synthesis tuner with 30 AM/FM station presets. Features numeric keypad for instant recall; 5-sec preset scan. FM section: 50-dB quieting sens 18.0 dBf (mono), 38.0 dBf (stereo); signal-to-noise ratio 79 dB (mono), 73 dB (stereo); total harmonic distortion 0.1% (mono), 0.15% (stereo), 17 x 2 1/2 x 10 1/2 in; 6.2 lb. Black-matte finish ..... \$220

Abbreviations used within this buyers' guide are explained on pages 239-245.

## SHERWOOD

### TD-7010R AM/FM Tuner

Quartz-PLL synthesis tuning system. Features 3 pairs of IF ceramic filters; MOSFET front end. Digi-Link remote system; digital display; auto/manual scan; 30 station presets with scan; switch; 10-segment signal-strength meter; hi-blend switch; FM mute switch; AM bar antenna. Usable sens 9.8 dBf; 50 dB quieting sens 36.1 dBf (stereo), 19.2 dBf (mono); FR 10-15 Hz  $\pm$ 3 dB; THD 0.25% (stereo), 0.15% (mono); stereo sep at 1,000 Hz 50 dB; cap ratio 1.5 dB; alt-ch sel 70 dB, 17 1/4 x 3 3/4 x 8 1/4 in ..... \$200

### TD-1120 AM/FM Tuner

Quartz-PLL synthesis tuning system. Features MOSFET front end. Digital display; 24 station presets; auto-tuning; AM loop antenna. Usable sens 11.2 dBf; 50 dB quieting sens 39.2 dBf; THD 0.4%; stereo sep 45 dB at 1,000 Hz; FR 10-15 Hz  $\pm$ 3 dB; cap ratio 2 dB; alternate-channel sel 60 dB, 17 1/4 x 3 3/4 x 8 1/4 in ..... \$150

## SONY

### Elite Series

### ST-S730ES AM/FM Tuner

Features radial power-supply design; automatic microprocessor-exclusion-circuit master clock; wave-optimized IF system; WODD wave-optimized direct detector/digital stereo decoder; direct comparator circuitry. S/N 92 dB stereo, 100 dB mono; THD 0.0075% stereo, 0.004% mono; sensitivity 10.3 dBf/0.9  $\mu$ V; selectivity (at 400 kHz) 70 dB; sep (at 1 kHz) 70 dB, 18 1/2 x 3 3/4 x 14 1/4 in; 12.6 lb ..... \$550

## SOUNDCRAFTSMEN

### Pro-Tuner Four AM/FM Tuner

Digital quartz-PLL tuner with 16 station presets; 5-digit station readout; auto-scan tuning; and active high-blend filter. 19-in rack-mount front panel. THF sensitivity 1.6  $\mu$ V; S/N 75 dB; distortion 0.08%, 19 x 2 1/2 x 12 in ..... \$379

## SOUNDSTREAM

### T-1 AM/FM Tuner

Features defeatable blend circuit to reduce stereo background noise by 9 dB; knob in 50,000 Hz steps for tuning off-frequency stations; separate audio and switching power supplies. Fly-wheel-assisted manual tuning knob for fine adjustment; 16 presets and station search; strength indicator; R-1 remote accesses major tuner functions, 50-dB quieting sens 14.8 dBf; AM rejection 60 dB; cap ratio 1.5 dB; alt-ch sel 65 dB; S/N >82 dB mono >79 dB stereo; THD at 6,000 Hz: 0.12% mono, 0.2% stereo. AM section: S/N 20 dB; THD 0.5% ..... \$795

## SUMO

### Aurora AM/FM Tuner

Digital-synthesis tuner with rotary tuning. Features auto seek forward/reverse; 8 FM, 8 AM presets; tunes FM in 50,000 Hz increments for fine tuning; dynamic impulse noise-reduction system; linear-phase IF filters. Gold-plated output jacks, 50-dB quieting mono 16 dBf, stereo 34 dBf; usable sens 11 dBf mono; alternate-channel selection 75 dB; cap ratio 1.0 dB; signal-to-noise ratio mono 85 dB, stereo 82 dB, 19 x 1 1/4 x 8 1/4 in ..... \$749

## TANDBERG

### 3001 FM Tuner

Digital tuner with 8 FM station presets; IF selectivity for wide, normal, narrow bandwidth; lim-

# TUNERS

iter for AM suppression and interference rejection. FR 30-15,000 Hz; IM 0.1% for wide, 0.15% for normal, 0.5% for narrow; cap ratio 0.4 dB for wide, 1 dB for normal, 3 dB for narrow. 17% x 3 1/4 x 13 1/4 in, 16.3 lb ..... \$2,199

## 3031 FM Tuner

Digital tuner with 16 FM station presets; manual and automatic tuning; remote control. Cap ratio 1 dB; S/N 82 dB mono, 78 dB stereo; FR 0.5 dB-1 dB mono and stereo; IM 0.2% mono and stereo. 17% x 3 1/4 x 13 1/4 in, 10.75 lb ..... \$999

## TECHNICS

### ST-G70 AM/FM Tuner

Twin-tuner design with 39 AM/FM station presets. Features Class AA circuitry; DC twin-quartz circuitry; DC linear switching MPX filter; auto IF-bandwidth selection, 10-key random access; auto-scan; FM signal-strength indicator ..... \$380

### ST-G460 AM/FM Tuner

Quartz-synthesis tuner with 39 AM/FM station presets. Features DC circuit construction; DC linear switching MPX filter; 19,000-Hz pilot signal auto canceler; wide-band quadrature detector. Multifunction FL display; FM-mode switch FM specs: sens 10.8 dBf; 50-dB quieting sens 18.1 dBf (mono), 38.1 dBf (stereo); THD 0.05% (mono), 0.1% (stereo); S/N 80 dB (mono), 73 dB (stereo); FR 4-18,000 Hz +0.5/-1.5 dB; alt ch sel 65 dB; cap ratio 1.0; image rej 55 dB; AM rej 55 dB; stereo sep 50 dB at 1,000 Hz, 40 dB at 10,000 Hz ..... \$240

## VECTOR RESEARCH

### VU-1000 AM/FM Tuner

Quartz-PLL tuner with 16-AM/FM presets; memory back-up, auto scan. FR 30-15,000 Hz; THD mono/stereo 0.08%/0.2%; S/N mono/stereo 82 dB/77 dB ..... \$220

## YAMAHA

### TX-2000 AM/FM Tuner

24 station presets. Features computer servo lock tuning; digital fine tuning; multistatus station memory; 2-mode station display; RS remote control compatibility; 4 tuning modes; 2 position IF-mode selector; ch sel 90 dB. Includes remote control. Titanium finish with side panels ..... \$749

### TX-930Ti AM/FM Tuner

24 station presets. Features computer servo-lock tuning; digital fine tuning; 2-position IF mode selector; 2 antenna inputs with selector switch; high-blend function; high-gain AM loop antenna; RF attenuator on/off switch. 24-segment signal meter; 6 way multistatus station memory; optional RS compatible remote control; rounded front-panel design. Titanium finish ..... \$399  
TX-930. Same as above, but with a black finish ..... \$399

### TX-530Ti AM/FM Tuner

PLL IF count synthesis tuning. Features 20 station presets; 4-way multistatus station memory; high-blend switch; 24-segment signal-quality

meter; 2 position IF-mode selector with indicators; low-impedance, high-gain AM loop antenna; auto search and manual tuning; RS system-remote control compatibility. Titanium finish. 9 lb ..... \$329  
TX-530. Same as above, but with a black finish ..... \$329

### TX-540Ti AM/FM Tuner

PLL IF count synthesis tuning. Features 2-position IF-mode selector. 20 station presets; 4-way multistatus station memory; high-blend switch; 24-segment signal-quality meter; low-impedance, high-gain AM loop antenna; auto search and manual tuning; RS remote control compatibility. Titanium finish. 9 lb ..... \$299  
TX-540. Same as above, but with a black finish ..... \$299

### TX-330Ti AM/FM Tuner

PLL-synthesis tuner with 16 station presets. Features 3-way multistatus station memory; 5-segment signal-quality meter; low-impedance, high-gain AM loop antenna; auto search and manual tuning; RS remote control compatibility. Titanium finish ..... \$249  
TX-330. As above, black finish ..... \$249

### TX-340 AM/FM Tuner

PLL-synthesis tuner with 16-station random access presets. Features 3-way multistatus station memory; auto stereo or manual mono mode selector; 5-segment signal meter; auto search; RS integrated system remote control compatibility; rounded front panel. Black finish ..... \$199

# Noted audio critics agree about the new PS-3 Speaker System:

"The speakers that have caught my ear in the past few months have been small and remarkably compact."

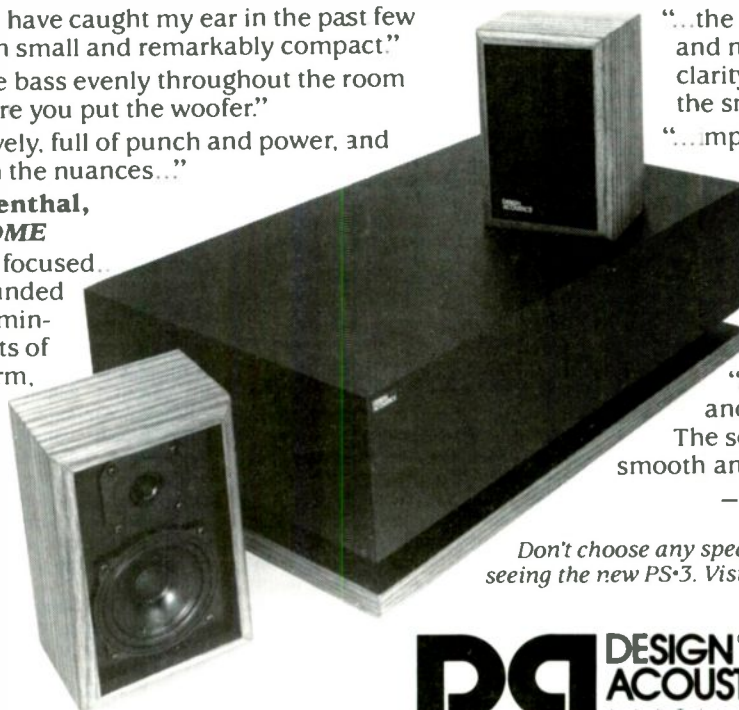
"...you can hear the bass evenly throughout the room regardless of where you put the woofer."

"The sound was lively, full of punch and power, and extremely true on the nuances..."

— **Howard Blumenthal,**  
**HI-TECH HOME**

"Imaging was well focused. The PS-3 also sounded startling for its diminutive size, with lots of presence and warm, rich bass"

— **CD Review**



"...the PS-3 satellites sound smooth and natural. They do their job with clarity..." "The woofer continues the smooth work..."

"...impressive imaging. All the instruments and voices seem to be in just the right place."

"If the PS-3 speakers were sold like magic elixirs, I would have bought a case!"

— **Rich Warren,**  
**Chicago Tribune**

"...any listener would assume that another, larger system was playing. The sound in our listening room was smooth and well balanced..."

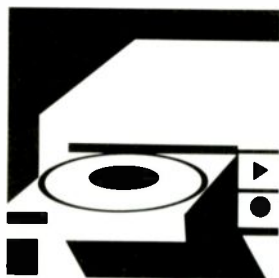
— **Julian Hirsch, Stereo Review**

Don't choose any speaker system without first hearing and seeing the new PS-3. Visit a Design Acoustics dealer near you.

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# COMPACT · DISC · PLAYERS



## ACCUPHASE BY MADRIGAL

### DP-80L/DC-81L Dual-Chassis CD Player

20-bit, 8x-oversampling digital filter per channel. 20-bit discrete D/A converter in separate processor section. Features Master clock principle; linear motor-driven laser pickup with 8-bit microprocessor control accesses any track in less than 1 second; nonresonant mechanism construction with aluminum die-cast frame and floating suspension; 6ic 3-pole Butterworth-type active filter; 21 optoisolators in each channel; three sampling frequencies and 6 inputs (3 optical, 3 coaxial); noise shaper and de-emphasis circuitry; direct-coupled output stage with 0-dB gain buffer; two unbalanced and one balanced outputs. Remote control RC-2 included. FR 4-20,000 Hz,  $\pm 0.3$  dB; THD 0.002%; S/N 120 dB; ch sep 112 dB; sampling freq 32, 44, 48 kHz. CD player: 18 1/4 x 5 3/4 x 14 1/4 in. Digital processor: 18 1/4 x 5 3/4 x 14 1/4 in. . . . . \$13,000

### DP-70 CD Player

4x oversampling, discrete D/A converter. 5-pole 6ic Butterworth low-pass filters; isolating optocouplers; independent power supply for digital and analog circuits; 4 optocouplers input digital data, latch-clock signal deglitch signal to D/A converter; directly coupled 0-dB-gain buffer amp as output stage with push-pull bc servo direct coupling; metal shielding; passive elements and buffer amp in de-emphasis circuit. Play, track search, pause on front panel; number keypad, stop, repeat (all, 1, phrase), index search, display (track and index or time), scan, and output-level controls behind panel; fixed and variable RCA outputs; XLR balanced output; 75-ohm coaxial cable output; optional wide-band optical-fiber output; digital output pins; track selection in <1 sec with linear motor. Ceramic-composite resin-floating mounting; legs lathed from pure brass bar; hairline-finish golden panel and natural persimmon sideboard. FR 4-20,000 Hz,  $\pm 0.3$  dB; THD 0.002%; S/N 115 dB; ch sep 110 dB; 18 1/4 x 5 3/4 x 14 1/4 in; 46.3 lb. . . . . \$7,600

## ACOUSTIC RESEARCH

### CD-06 CD Player

4x oversampling, 16-bit dual D/A converters. Computer-driven laser-swing arm; dual D/A converters; random-access programming of up to 20 tracks; scanning, play, pause, and volume performed by remote control. Fixed-level and variable output; digital output. FR 4-20,000 Hz,  $\pm 0.5$  dB; THD 0.007%; S/N 105 dB; ch sep 92 dB. 17 1/4 x 3 3/4 x 9 7/8 in; 12.3 lb. . . . . \$500  
RC-03. Remote control for above . . . . . \$25

## ADC

### CD Player

### CD-1000E CD Player

16-bit linear D/A converter. Features multifunc-

tion remote control; random 16-track programming; skip forward/back; ff/rev; repeat track, disc, or program; 7-pole (7th-order) analog filtering; 3-beam laser. Displays current track number, elapsed time of current track, remaining time on disc, program on disc, program in memory. Frequency response 20-20,000 Hz,  $\pm 0.5$  dB; THD 0.005%; signal-to-noise ratio 96 dBA. 17 x 3 1/2 x 11 7/8 in; 10.5 lb. . . . . \$249

### CD Changers

#### Model 1440 CD Changer/Receiver

4x oversampling, 16-bit D/A converter, 6-disc magazine and single-disc tray, built-in AM/FM receiver. Features 3-beam laser; two pairs of inputs for tape and video sources; speaker and headphone outputs; 32-track programming; programming for 10 magazines; random play; LCD indicators; remote control; 16 FM/8 AM presets; black finish. 60 W/ch into 8 ohms; FR 20-20,000 Hz  $\pm 0.5$  dB; S/N 88 dBA; 17 x 4 3/4 x 14 in; 23 lb. . . . . \$700

Model 1446. As above, white finish. . . . . \$700

Model 1320. Similar to above. Black finish; 25 W/ch into 8 ohms; no single-disc tray. 8 1/2 lb. . . . . \$600

## ADCOM

### GCD-575 CD Player

4x oversampling, dual 16-bit D/A converters. Selectable analog frequency/phase contouring circuitry, fixed and variable outputs, 3-beam laser, plays 3-in CD's. Programs up to 24 tracks in any sequence; repeats disc, track, program, or any selected sequence or phrase; audible fast scan and fast forward. Displays total tracks up to 20. Timer display. Remote transmitter. FR 5-20,000 Hz  $\pm 0.1$ ,  $-0.5$  dB; S/N 105 dB; THD 0.0025%; ch sep 95 dB; IM 0.00018%; 17 x 3 1/2 x 11 1/4 in; 12 lb; black. . . . . \$600  
GCD-575. White front panel. . . . . \$650

## a/d/s/

### Atelier CD4 CD Player

2x oversampling, 16-bit D/A converter. Features 3-beam laser; multiple power supplies to isolate digital and analog stages; servo laser-intensity system adjusts focus intensity depending on quality of disc to maximize performance; brick-wall digital filter works with multiple-pole low-pass filter; error correction uses variable-size window. 16-track programming; repeat disc, track, phrase, or program; random access by time within a track; access by index point; audible fast search; displays elapsed time from track start, remaining time to disc end, track/program selection number, index, program in memory; optional remote control via RC1. FR 20-20,000 Hz,  $\pm 0.25$  dB; THD < 0.01%, 20-20,000 Hz, 0 dB; S/N > 102 dBA, 1000 Hz, 0 dB; ch sep > 86 dB, 20-20,000 Hz, 20 lb. . . . . \$850  
RC1. Unified remote control; for above and other a/d/s/ components. . . . . \$150

## AIWA

### CD Players

#### XC-005 CD Player

8x oversampling, dual 18-bit D/A converters. Features optical/coaxial digital-outputs; 3-beam laser; auto blank system. 2-way peak search for recording; disc-file memory; 30-track programming; auto/manual 2-way program edit; 3-way repeat; program time counter; 20-selection music calendar; 3-in CD compatibility; index search and timer standby mechanism; random; repeat; headphone jack with level control. Includes wireless remote control. FR 4-20,000  $\pm 0.3$  dB; THD 0.0025% at 1,000 Hz; S/N 110 dB; ch sep 100 dB at 1,000 Hz. 17 x 4 1/2 x 13 1/2 in; 11.5 lb. . . . . \$550

#### XC-004 CD Player

4x oversampling, 18-bit dual D/A converters. Features linear bit shift system; 3-beam laser; auto blank system. 20-track programming; 20-selection music calendar; peak search; manual program edit; 3-way repeat; program time counter; 3-in CD compatibility; index search and timer standby mechanism; random; repeat; headphone jack with level control. Includes wireless remote control. FR 20-20,000  $\pm 0.5$  dB; THD 0.004% at 1,000 Hz; S/N 105 dB; ch sep 90 dB at 1,000 Hz. 17 x 4 1/2 x 13 1/4 in; 10.6 lb. \$440

#### XC-002 CD Player

4x oversampling. Features 3-beam laser; auto blank system. Peak search; manual program edit; 20-track programming; 20-selection music calendar; 3-way repeat; 3-in CD compatibility; index search and timer standby mechanism; random; repeat; headphone jack. Includes wireless remote control. FR 20-20,000  $\pm 0.5$  dB; THD 0.004% at 1,000 Hz; S/N 100 dB; ch sep 90 dB at 1,000 Hz. 17 x 4 1/2 x 13 1/2 in; 10.4 lb. \$300

### CD Changers

#### XC-M800 CD Changer

8x oversampling, dual 18-bit D/A converters, 5-disc carousel. Features optical digital output, 32-track programming; 3-in CD compatibility; 3-way repeat; continuous playback; random play; 10-key music selection and 5-key disc selection; headphone jack with level control. Includes wireless remote control. FR 2-20,000  $\pm 1.5$  dB; total harmonic distortion 0.005%; signal-to-noise ratio 100 dB; ch sep 95 dB. 17 x 4 x 14 1/4 in; 12.1 lb. . . . . \$420

#### XC-M600 CD Changer

4x oversampling, dual D/A converters, 5-disc carousel. Features 32-track programming; 3-in CD compatibility; 3-way repeat; continuous playback; random play; 10-key music selection and 5-key disc selection. Includes wireless remote control. FR 2-20,000  $\pm 1.5$  dB; THD 0.04%; S/N 90 dB; ch sep 85 dB. 17 x 4 x 14 1/4 in; 12.1 lb. . . . . \$330

# COMPACT • DISC • PLAYERS

## Portable CD Systems

### CA-DW8 Portable CD System

Dual cassette deck, digital-synthesis tuner, 4-band EQ, detachable 5-in speakers, 4-in active subwoofer. Features 16-track programming; 3-in CD compatibility; CD-out terminals. Detachable speakers: 3.2 W/ch min rms into 4 ohms from 200-10,000 Hz with <10% THD. Subwoofer: 10 W min rms into 4 ohms from 40-200 Hz <10% THD. 2 1/4 x 7 1/2 x 11 1/4 in; 17.6 lb \$440  
**CA-DW6.** As above, fewer non-CD features ..... \$400

### CSD-XW505 Portable CD System

Dual cassette deck, digital-synthesis tuner, 4-in speakers. Features 20-track programming/music calendar; 3-in CD compatibility; synchro CD-to-tape dubbing; Amplifier section: 5.4 W/ch min rms into 6 ohms from 200-10,000 Hz with <10% THD. 2 1/4 x 7 x 10 1/2 in; 15 lb .. \$370

### CSD-XW305 Portable CD System

Dual cassette deck, digital-synthesis tuner, 4-in speakers. Features 16-track programming; 3-in CD compatibility; synchro CD-to-tape dubbing. Amp section: 2.4 W/ch min rms into 16 ohms from 200-10,000 Hz with <10% THD. 2 1/4 x 7 x 8 1/2 in; 11 lb ..... \$302

### CSD-XL205 Portable CD System

Cassette deck, digital-synthesis tuner, 4-in speakers. Features 16-track programming; 3-in CD compatibility; synchro CD-to-tape dubbing; Amp section: 2.1 W/ch min rms into 5 ohms from 200-10,000 Hz with <10% THD. 2 3/4 x 6 1/4 x 7 1/2 in; 8.4 lb ..... \$250

**CSD-XL202.** As above, fewer non-CD features. 7.9 lb ..... \$220



Aiwa CSD-XW505

## ARCAM

### Delta 170 CD Transport

For use with outboard digital-to-analog converter. Features a fully-floating die-cast single-beam laser mechanism mounted on damped sandwich construction aluminum chassis; 64K adaptive error correction; master oscillator with dedicated transformer and power supply is optically isolated from servo and microprocessor circuitry. Includes multifunction remote ..... \$1,295

### Delta 70.2 CD Player

4x oversampling, dual 16-bit digital-to-analog converters. Features 20-track programming; 3-speed search; track skip; direct/variable audio outputs; headphone output; digital output. Frequency response 10-20,000  $\pm$  0.1 dB; signal-to-noise ratio 105 dB; dynamic range 96 dB. 17 x 3 1/2 x 10 1/2 in; 14 lb. Black ..... \$1,195  
 Remote ..... \$100

### Alpha CD Player

4x oversampling, dual 16-bit digital-to-analog converters. Features 3-speed search; track skip; 20-track programming. Frequency response 20-20,000 Hz  $\pm$  0.1 dB; signal-to-noise ratio 101 dB; dynamic range 96 dB. 17 x 3 1/2 x 11 1/2 in; 8.14 lbs. Black ..... \$799

## ARISTON ACOUSTICS BY EUROSOUND

### Ariston CD Player

4x oversampling, 6-bit dual D/A converters. Swinging arm laser scanning assembly; error warning and active functions; remote control; track replay/skip; gold-plated outputs; digital and analog outputs; headphone output; automatic play of whole disc; 3-in CD compatibility. FR 2-20,000 Hz; S/N >100 dB; THD <0.0025%. 12 1/4 x 3 3/4 x 11 1/4 in ..... \$799

## AUDIO BY VAN ALSTINE

### Transcendence FET-Valve CD Player

4x oversampling and dual 16-bit D/A converters. Features Class-A compound hybrid vacuum tube/MOSFET driver circuits; toroidal power transformer; regulated power supply; exact-channel phase-gain tracking. Drawer loading; 20-track programming; repeat; shuffle play; time and track display; 3-speed music search with cueing; CD-single compatibility; wireless remote control. 16 1/2 x 3 x 11 in; 12 lb .. \$1,195

### Omega CD Player

4x oversampling and dual 16-bit D/A converters. Features custom hybrid output stages and film coupling capacitors; filter drivers with 1/2-amp current drive at 200 V/ $\mu$ sec; exact channel phase-gain tracking. Drawer loading; 20-track (and index number) programming; repeat; skip forward/back; time/track display. Wireless remote control optional. 16 1/2 x 3 x 11 1/2 in; 9 lb ..... \$495

### Fet-3i CD Player

4x oversampling and dual 16-bit D/A converters. Features fast (30 V/ $\mu$ sec) integrated circuit audio stages, and film-coupling capacitors; exact channel phase-gain tracking. Drawer loading; 20-track (and index number) programming; repeat; skip forward/back; time/track display. Wireless remote control optional. 16 1/2 x 3 x 11 1/2 in; 9 lb ..... \$295

## BANG & OLUFSEN

### Beocenter 9500 CD System

Programmable, multiroom, remote-controlled CD player, cassette deck, AM/FM receiver with sensi-touch glass panels and large illuminated displays. CD player: 4x oversampling; dual 16-bit D/A converters; track search; programming facilities; 3-in CD compatibility. Cassette deck: automatic Dolby B, C NR; Dolby HX Pro; autoreverse; auto-track search; auto rec level. Frequency-synthesis tuner; 20 station presets. General: line-in/out connectors; can send status information for display on Beolink 7000 A/V system controller. Includes Beolink 1000 wireless remote control. CD: FR 3-20,000 Hz  $\pm$  0.3 dB; S/N >100 dBA; THD 0.0025% at 0 dB; ch sep >101 dB. Cassette deck: W&F <0.09% wrms; FR 30-18,000 Hz  $\pm$  3 dB (chrome); ch sep >35 dB; S/N Dolby B >64 dB, Dolby C >73 dB (metal); Dolby B >65 dB, Dolby C >74 dB (chrome). Amp: 30 W/ch cont rms into 8 ohms from 20-20,000 Hz  $\pm$  1.5 dB with <0.1% THD; IM <0.1%; damping factor 50; S/N >78 (phono), >80 dB (tape); ch sep >60 dB at 10,000 Hz. FM section: usable sens 19 dBf (stereo); 50-dB quieting sens 40 dBf (stereo); THD 0.2% (stereo); IM 0.1% (stereo); S/N 70 dB (stereo); cap ratio 1.7 dB; adj-ch sel 10 dB; alt-ch sel 70 dB; AM rej 57 dB; ch sep 45 dB (stereo). 30 x 4 1/2 x 13 1/2 in; 31 lb. Polished aluminum/glossy black ..... \$3,500

### Beogram 6500 CD Player

4x oversampling, dual 16-bit D/A converters. Integrates into the Beosystem 6500. Features wide range of programming capabilities; 3-in

CD compatibility; displays: track time, elapsed playing time, remaining time, track index and number. FR 3-20,000 Hz  $\pm$  0.3 dB; S/N > 110 dBA; THD < 0.0025% at 0 dB; ch sep > 101 dB. 16 1/2 x 3 x 12 1/4 in; 14.1 lb. Polished aluminum with glossy black or glossy white ..... \$1,140

### Beogram 4500 CD Player

16-bit oversampling, dual D/A converters. Integrates with Beosystem 4500 for full remote control. Bessel elliptical analog filter; separate power supplies for digital and analog sections. Skip forward/back; direct access by track number; plays 3-in CD without an adaptor. Black and silver finish. FR 3-20,000 Hz,  $\pm$  0.3 dB; S/N 110 dBA; THD 0.0025%; ch sep >101 dB; dynamic range >96 dB. 16 1/2 x 3 x 12 1/4 in; 10 lb ..... \$800

## CALIFORNIA AUDIO LABS

### Aria Mk III CD Player

8x oversampling and 18-bit hand-trimmed D/A converter with hybrid analog output stage. 6DJ8 vacuum tubes, FET, and bipolar transistor in analog stage; sprung suspension transport; laser pickup with precision-ground optical lenses; star grounding; separate power transformers for electro-mechanical, analog, and digital circuitry; 22 separate regulated local power supplies. 28-function remote control. FR 10-20,000 Hz  $\pm$  0. -1.8 dB; S/N 98 dBA at 1,000 Hz; THD 0.005% ..... \$2,395

### Genesis CD Player

32x oversampling with 1-bit MASH technology. Pulse-width control circuitry; discrete FET analog stages with balance output; optical digital output; upgradable computer-grade plug-in modules contains all digital electronics \$1,695

### Tercet MK III CD Player

8x oversampling and 18-bit hand-trimmed D/A converter with dual orthogonal, optical-fast asymmetrical power supply with gallium phosphide optical current source. DC coupled output stage; 23 separate regulated power supplies; FET input; 24-bit digital filter; custom clock module. EMI filter. 28-function remote control; optional plug-in digital out for either coaxial or optical applications. FR 5-22,000  $\pm$  0. -0.5 dB; dynamic range 106 dB; S/N 103 dB; THD 0.01% at 1,000 Hz; ch sep 91 dB ..... \$1,295

### Icon CD Player

8x oversampling and 18-bit hand-trimmed D/A converter. 5 separate regulated power supplies; 24-bit digital filter; FET input; custom clock module. EMI filter. 28-function remote control; optional plug-in digital out for either coaxial or optical applications. FR 5-22,000  $\pm$  0. -0.5 dB; dynamic range 105 dB; S/N 95 dB; THD 0.005% at 1,000 Hz; ch sep 91 dB ..... \$750

## CAMBRIDGE AUDIO

### CD3 CD Player

16-bit, 16x oversampling digital filter. Utilizes CDM1/mk2 fully suspended, die-cast aluminum chassis and transport mechanism; toroidal transformer; discrete power supplies for both digital and analog stages; no analog filtering stage; optical and digital output. 20-track programming; 3-speed search; track and index point selection; wireless remote control. Dynamic range 96 dB; S/N >100 dB; ch sep >100 dB; THD 0.0025% at 1,000 Hz ..... \$1,860

## CARRERA

### CD-3400R CD Changer

4x oversampling, 16-bit dual D/A converter, 6-disc capacity. Features fixed line outputs, and

# COMPACT · DISC · PLAYERS

headphone jack; shows elapsed time for disc and track. 32 programmable selections; repeat disc, track, and program. FR 20-20,000 Hz  $\pm$  0.5 dB; THD 0.009%; S/N 96 dB. 13 lb ..... \$250

## CD-3200 CD Player

2x oversampling, 16-bit D/A converter. Features fixed line outputs, and headphone jack; shows elapsed time for disc start. Repeat disc, track and phrase. FR 20-20,000 Hz  $\pm$  0.5 dB; THD 0.01%; S/N 95 dB. 9 lb ..... \$200

## CD-3300R CD Player

16-bit dual D/A converter. Features remote control; music calendar; direct keyed access, 3-in CD compatible; shuffle play. FR 20-20,000 Hz; S/N 100 dB; THD <0.0004%. 17 x 3 1/4 x 12, 9.9 lb ..... \$200

## CARVER

### TLM-3600 CD Changer

8x oversampling, dual 18-bit D/A converters. Features Digital Time Lens sound enhancement circuitry. 10-disc magazine; 32-track random programming; intro scan; random play; search, repeat, skip, scan functions; remote control. FR 5-20,000 Hz  $\pm$  0.2 dB; THD 0.005%; S/N 110 dB A-weighted. 19 x 4 1/4 x 13 1/4 in. \$700

### TL-3300 CD Player

8x oversampling and dual 18-bit D/A converters. Features Digital Time Lens circuitry for AAD CD's to restore original ambient effects. 22-track programming with dedicated keypads on remote and panel; 3-in CD capability; 3-way repeat; skip and scan functions; remote compatible with Carver receivers. FR 5-20,000 Hz  $\pm$  0.2 dB; THD 0.002% at 1,000 Hz; S/N 100 dB; ch sep 90 dB; dynamic range 100 dB. 8 lb \$700

### TL-3220 CD Player

8x oversampling, dual 18-bit D/A converters. Features Digital Time Lens sound enhancement circuitry. 32-track random programming; intro scan; random play; search, repeat, skip, scan function; remote control. FR 5-20,000 Hz  $\pm$  0.2 dB; THD 0.003%; S/N 100 dB A-weighted. 19 x 3 1/2 x 12 in ..... \$530

### TL-3200 CD Player

8x oversampling and dual 16-bit D/A converters. Features Digital Time Lens circuitry for AAD CD's to restore original ambient effects. 32-track programming with dedicated remote keypad; remote volume control; shuffle play with delete option; intro scan; 3-in CD capability; 3-way repeat; skip and 2-speed scan functions; remote compatible with Carver receivers. FR 20-20,000 Hz  $\pm$  0.2 dB; THD 0.005% at 1,000 Hz; S/N 100 dB; ch sep 90 dB. 8.5 lb ..... \$450

### TL-3100 CD Player

4x oversampling and 16-bit D/A converter with 5th order analog filters. Features Digital Time Lens circuitry for AAD CD's to restore original ambient effects. 16-track programming with dedicated remote keypad; 3-way repeat; skip and scan functions; remote compatible with Carver receivers. Frequency response 20-20,000 Hz  $\pm$  0.2 dB; total harmonic distortion 0.005% at 1,000 Hz; signal-to-noise ratio 96 dB; ch sep 80 dB; dynamic range 100 dB. 7 lb ..... \$350

## CASIO

### Portable CD Systems

#### CD-950 Portable CD System

Horizontal top-load CD player with AM/FM tuner; dual cassette deck; 2-way, 4-speaker detachable system; 5-band graphic equalizer; programming capability; repeat, search, skip, and

pause CD functions. Power 3.5 W/ch. 25 1/4 x 9 1/4 x 9 1/4 in. 15.25 lbs. .... \$340

#### CD-980 Portable CD System

Horizontal top-load CD player with AM/FM tuner; dual cassette deck; 3-band graphic equalizer; programming capability. Power 3.5 W/ch. 24 1/4 x 9 1/4 x 8 1/4 in. 11.25 lbs. .... \$290

## CITIZEN

### Portable CD Systems

#### CBM 5000LT Portable CD System

CD player with 2x oversampling, cassette player/recorder, and AM/FM tuner. Features 30-selection programmable memory; 3-beam laser; accepts 3-in CD's without adaptor. CD: FR 8-20,000 Hz; THD 0.3%; S/N 85 dB; Tape: FR 125-8,000 Hz; S/N 55 dB; W/F 0.18%. 14 1/4 x 3 x 10 in; 5.25 lb ..... \$300

#### CBM System 777 Portable CD System

CD player with 2x oversampling, 13-bit D/A converter, AC adaptor, earphones, and ASP 777 power speakers. Features 3-beam laser. Play/pause; skip/scan; forward/reverse; repeat; headphone volume. CD: FR 20-20,000 Hz; THD 0.08% S/N 80 dB. CD: 5 1/4 x 6 1/4 x 1 1/4 in ... \$190

### Portable CD Players

#### CBM 8700 Portable CD Player

Features voice-cancel function to eliminate vocals digitally; digital key controller to change key of music maximum 4.5 semitones; can change  $\pm$  1 octave from original voice; microphone-mixing feature; comes with AC adaptor, vocal mic; plays 3-in CD's. 16-function programmable memory; repeat; forward/reverse; skip/scan; base-boost switch. FR 20-20,000 Hz  $\pm$  1 dB; THD 0.04% at 1000Hz; S/N 90 dB; dynamic range 86 dB; ch sep 75 dB. 10 3/4 x 1 1/4 x 7 1/4 in ..... \$299

#### CBM 50-CP/S Portable CD Player

2x oversampling, 16-bit D/A converter. Features 3-beam laser; receives 5- or 3-in CD compatibility; clear see-through case; antishock mechanism; comes with 4 AA batteries. Play/pause; stop; skip forward/back; repeat; hold. FR 20-20,000 Hz; THD 0.07%; S/N 92 dB. 5 x 1 1/4 x 5 1/2 in; 1 lb ..... \$245

#### CBM 2200 Portable CD Player

2x oversampling, 16-bit D/A converter. Features antishock circuit that pauses after shock, then automatically resumes play at point on disc where disrupted. 16-track random programming; 3-beam laser; memory clear; memory back-up; skip forward/back; repeat track; auto shut-off; headphone jack with adjustable output and audio level; inputs/outputs for DC plug, headphone jack; line-out jack; AC adaptor/charger; earbuds; carrying belt; patch cord; rechargeable battery pack. FR 20-20,000 Hz; THD 0.07% at 1,000 Hz; S/N 92 dB. 5 1/4 x 1 1/2 x 5 1/2 in; 1 lb ..... \$220

## CONRAD-JOHNSON

### DF1 CD Player/Preamplifier

Dual D/A converters, built-in preamplifier. Features noise-shaping circuitry that yields 16-bit resolution. Preamplifier features discrete FET analog circuits with discrete regulated DC power supplies. Level control; aux and tape inputs; tape output. CD player: output 1.1 V; FR 5-19,000 Hz  $\pm$  0.5 dB; hum and noise >85 dB below 1.0 V; total harmonic distortion <0.25% at rated output. Preamplifier: gain 26 dB; max output 5 V; frequency response 5-100,000 Hz; hum and noise >82 dB below 1.0-V output;

total harmonic distortion <0.25% at rated output. 19 x 3 1/4 x 12 in; 19 lb ..... \$1,995

## CROWN

### Portable CD Systems

#### CD-10 Portable CD Player

CD player with 3-beam laser pickup. Features auto-power-off; battery indicator. Skip, pause, search, and random-play functions; headphone jack. AC adaptor or rechargeable battery. 3 1/4 x 1 1/4 x 3 3/4 in; 0.63 lb ..... \$419

#### CD-500 Portable CD System

CD player with 3-beam laser pick-up; AM/FM stereo; dual autoreverse cassette decks. Features 16-track CD programming; repeat all tracks or one; high-speed dubbing; built-in mic; headphone jack; 3-in CD adaptor. Powered by AC or 8 D batteries. 28 x 5 x 7 in ..... \$360  
**CD-300.** As above, with skip function; balance control. 22 x 6 x 6 in; 8.75 lb ..... \$326  
**CD-S8100.** As above with 3-band EQ and DBSS control; no random program, repeat tracks, adaptor. 26 x 10 x 11 in; 15 lb ..... \$249  
**CD-560.** As above with 3-band graphic EQ, random CD play. 23 1/2 x 8 1/2 x 8 1/4 in; 10.5 lb \$219  
**CD-565.** As above with skip function, balance control; no random CD play. 23 1/4 x 7 x 8 in \$199  
**CD-270.** Same as CD-560, single cassette; no adaptor. 22 1/4 x 6 1/2 x 6 1/4 in; 8.5 lb ..... \$179  
**CD-255.** As above with skip function; no EQ, random CD play. 22 x 6 1/4 x 6 1/4 in ..... \$149

## DENON

### DCD-3560 CD Player

20-bit, 8x-oversampling digital filter, four 20-bit LAMBDA converters. Features four MSB linearity adjustments per converter; optical isolation between digital and analog stages; pick-up chassis of nonresonant bulk molding compound; 20-track programming; random play; remote volume control; direct track access; index mode; time search; 3-way repeat; auto space; auto edit; timer play; dimmer display; music-calendar program display; 3-in CD compatibility; optical and coaxial digital outputs; balanced analog outputs; Denon integral system. FR 2-20,000 Hz  $\pm$  0.2 dB; S/N 120 dB; dynamic range 100 dB; THD 0.0015%; ch sep 110 dB at 1,000 Hz ..... \$1,500

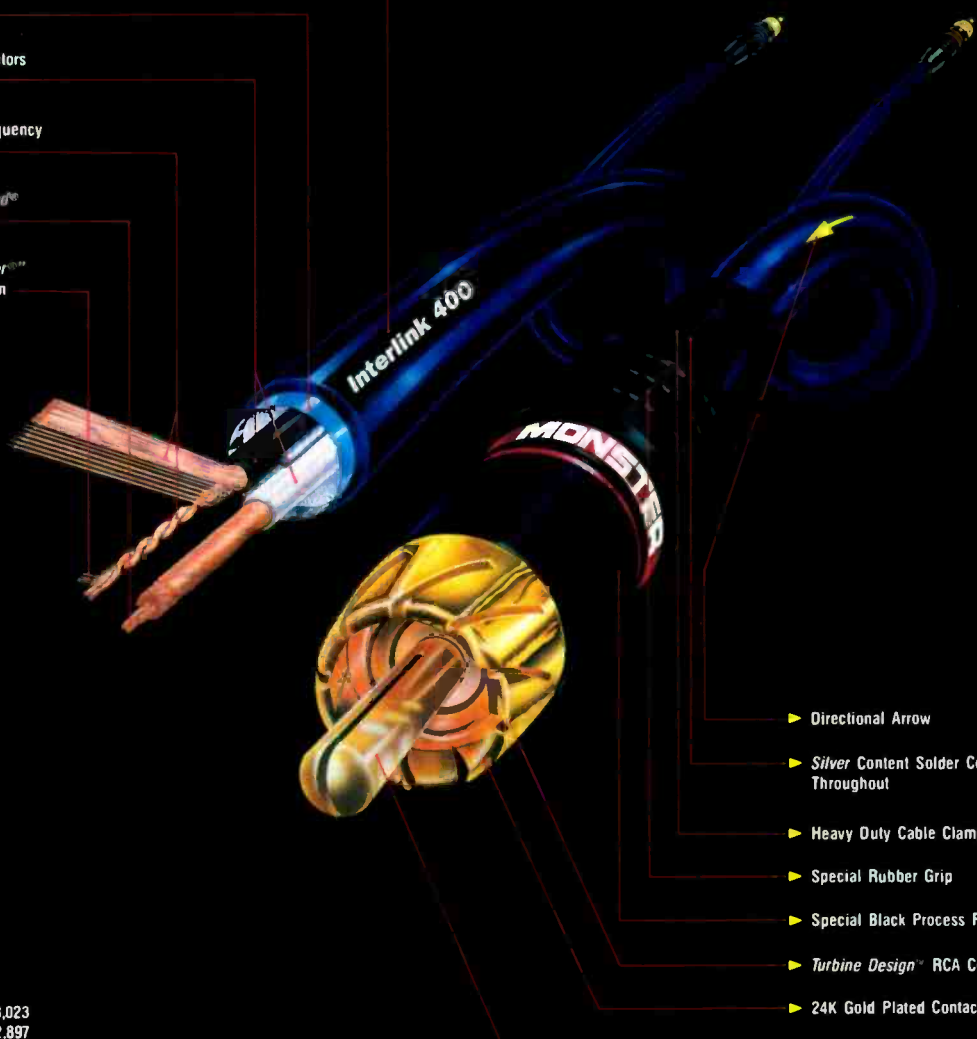
### DCD-2560 CD Player

20-bit, 8x-oversampling digital filter, four 20-bit LAMBDA converters. Features MSB linearity adjustments; 16x-oversampling optical isolation between digital and analog stages; pick-up chassis of nonresonant bulk molding compound; Digital pitch control with  $\pm$  9.9% range in 0.1% steps; digital fader; peak-search mode; 20-track programming; random play; remote volume control; direct track access; 3-way repeat; auto space; auto edit; timer play; dimmer display; music-calendar program display; 3-in CD compatibility; optical and coaxial digital outputs; compatible with Denon integral system. FR 2-20,000 Hz  $\pm$  0.2 dB; S/N 116 dB; dynamic range 100 dB; THD 0.0018%; ch sep 110 dB at 1,000 Hz ..... \$750

### DCD-1560 CD Player

20-bit, 8x-oversampling digital filter, dual 20-bit converters with MSB linearity adjustments. Optical isolation between digital and analog stages; pick-up chassis of nonresonant bulk molding compound make. 20-track programming; random play; remote volume control; direct track access; index search; time search; 4-way repeat; auto space; auto edit; timer play; on/off display; music-calendar program display; 3-in CD compatibility; optical and coaxial digital

- ▶ Durallex® Protective Jacket
- ▶ 100% Shield
- ▶ Two Center Conductors plus Shield
- ▶ High and Low Frequency Networks
- ▶ Bandwidth Balance® Conductors
- ▶ Special "MicroFiber"™ Dielectric Insulation



- ▶ Directional Arrow
- ▶ Silver Content Solder Connections Throughout
- ▶ Heavy Duty Cable Clamp
- ▶ Special Rubber Grip
- ▶ Special Black Process Finish
- ▶ Turbine Design™ RCA Connectors
- ▶ 24K Gold Plated Contacts
- ▶ Split Center-Pin

Patent Numbers: 4,538,023  
4,932,897  
M8904242.5

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*An Audiophile Best Buy*

A lot of cables look alike on the outside, but it's what's on the inside that counts. After all, that's what you hear, and that's what gives Monster Cable a reputation for producing the highest quality audio cables made today.

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It takes a lot of technology to bring you great music.

But the effort is well worth it.

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Advancing the Art of Listening

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outputs; compatible with Denon integral system. FR 2-20,000 Hz  $\pm 0.2$  dB; S/N 115 dB; dynamic range 100 dB; THD 0.002%; ch sep 103 dB at 1,000 Hz ..... \$650

## DCD-860 CD Player

20-bit, 8x-oversampling digital filter, dual 18-bit converters with MSB linearity adjustments, active analog filters; shock-isolated pick-up chassis. Digital pitch control with  $\pm 9.9\%$  range in 0.1% steps; digital fader; peak-search mode; 20-track programming; random play; remote volume control; headphone jack with level control; direct track access; 3-way repeat; auto space; timer play; music calendar program display; 3-in CD compatibility; coaxial digital outputs; compatible with Denon integral system. FR 2-20,000 Hz  $\pm 0.2$  dB; S/N 105 dB; dynamic range 97 dB; THD 0.003%; ch sep 100 dB at 1,000 Hz ..... \$400

## DCD-660 CD Player

20-bit, 8x-oversampling digital filter, dual 18-bit converters with MSB linearity adjustments; active analog filters; shock-isolated pick-up chassis. Digital pitch control with  $\pm 9.9\%$  range in 0.1% steps; digital fader; peak-search mode; 20-track programming; random play; headphone jack with level control; direct track access; 2-way repeat; auto space; timer play; music calendar program display; 3-in CD compatibility; compatible with Denon integral system. FR 2-20,000 Hz  $\pm 0.2$  dB; S/N 103 dB; dynamic range 96 dB; THD 0.004%; ch sep 99 dB at 1,000 Hz ..... \$300

## DCD-560 CD Player

20-bit, 8x-oversampling digital filter, dual D/A converters with MSB linearity adjustments. Features shock-isolated pick-up chassis. 20-track programming; headphone jack with level control; direct-track access; auto space; 3-in CD compatibility. FR 2-20,000 Hz  $\pm 0.2$  dB; S/N 100 dB; dynamic range 96 dB; THD 0.005%; ch sep 94 dB at 1,000 Hz ..... \$250

## CD Changers

### DCM-777 CD Changer

8x-oversampling, 20-bit D/A converters with MSB linearity adjustments, 6-disc magazine. Features optical isolation between digital and analog stages; shock-isolated pick-up chassis. 32-track programming; random play; remote volume control; headphone jack with level control; direct track access; 3-way repeat; timer play; remote control included; optional 3-in CD magazine; coaxial digital outputs; compatible with Denon integral system. FR 4-20,000 Hz  $\pm 0.2$  dB; S/N 106 dB; dynamic range 98 dB; THD 0.003%; ch sep 100 dB at 1,000 Hz ..... \$700

### DCM-450 CD Changer

8x-oversampling, 20-bit D/A converters with MSB linear adjustments, 6-disc magazine. Features active analog filters; shock-isolated pick-up chassis. Digital pitch control with  $\pm 9.9\%$  range in 0.1% steps; 20-track programming; 3-mode random play; 6-disc level memory; remote volume control; headphone jack with level control; direct track access; 5-way repeat; coaxial digital outputs; remote control included; compatible with Denon integral system. FR 4-20,000 Hz  $\pm 0.2$  dB; S/N 105 dB; dynamic range 97 dB; THD 0.005%; ch sep 100 dB at 1,000 Hz ..... \$450

### DCM-350 CD Carousel Changer

8x-oversampling, 20-bit D/A converters with MSB linear adjustments, 5-disc carousel. Features active analog filters; shock-isolated pick-up chassis. Allows changing two discs while third is playing; disc-skip button; 32-track pro-

gramming; 3-mode random play; headphone jack with level control; 5-way repeat; remote control included; coaxial digital outputs; compatible with Denon integral system. FR 4-20,000 Hz  $\pm 0.2$  dB; S/N 100 dB; dynamic range 95 dB; THD 0.01%; ch sep 90 dB at 1,000 Hz .... \$350

## Combi-Players

### LA-3000 Combi-Player

8x-oversampling digital filter, 20-bit LAMBDA/D/A converters. Plays CD's and videodiscs. Features CX-decoding; 20-track programming; auto space; auto edit; random play; 24-character by 10-line on-screen display of control and programming information; composite video, S-video, and audio output. Hor res 425 lines; video S/N 47 dB; Audio: FR 5-20,000 Hz  $\pm 0.3$  dB; S/N 109 dB; dynamic range 100 dB; ch sep 103 dB; THD 0.003%. Analog audio S/N >70 dB (CX on); FR 20-20,000 Hz ..... \$1,000

### LA-2000 Combi-Player

8x-oversampling digital filter, 20-bit LAMBDA/D/A converters. Plays CD's and videodiscs. Features CX-decoding; 20-track programming; auto space; auto edit; random play; on-screen display of control and programming information; composite video and audio outputs. Hor res 425 lines; video S/N 47 dB; Audio: FR 5-20,000 Hz  $\pm 0.5$  dB; S/N 106 dB; dynamic range 97 dB; ch sep 98 dB; THD 0.004%. Analog audio S/N >70 dB (CX on); FR 20-20,000 Hz ..... \$700

## Portable CD Players

### DGP-100 CD Player

20-bit, 8x-oversampling digital filter, dual D/A converters. Features shock-mounted pick-up chassis; 32-track programming; headphone and line output jacks; repeat modes; LCD display; 3-in CD compatible. Includes soft carrying case, stereo connecting cable, and rechargeable battery. Optional second battery for 4 hrs of playing time. FR 20-20,000 Hz  $\pm 0.2$  dB; S/N 91 dB; dynamic range 90 dB; THD 0.008% ..... \$399  
 AP-12. Optional DC car adaptor ..... \$50  
 AP-11. Rechargeable battery pack ..... \$15  
 AP-10. Optional outboard battery charger. \$30

### DGP-50 CD Player

4x-oversampling and dual D/A converters. Features shock-mounted pick-up chassis; 19-key remote control; 16-track programmability; headphone and line-output jacks; intro play mode; repeat modes; LCD display; 3-position equalizer. 3-in CD compatible. Includes soft carrying case, stereo connecting cable, and rechargeable battery. Optional second battery for 4 hrs of playing time. FR 20-20,000 Hz; S/N 90 dB; dynamic range 89 dB; THD 0.004% .... \$250  
 AP-12. Optional DC car adaptor ..... \$50

## DISCRETE TECHNOLOGY

### LSI MKV Signature CD Player

4x-oversampling and two 16-bit D/A converters. Features 3 power supplies: 1 main inboard supply operates digital and transport circuitry assemblies, 2 main outboard power supplies operate L/R ch analog circuitry; 2 fixed analog outputs; 1 fixed analog input; 3 Powerbridge III AC line cables; programmable remote. FR 2-20,000 Hz; THD 0.001% at 1,000 Hz; S/N > 103 dB. 16 $\frac{1}{2}$  x 4 $\frac{1}{4}$  x 14 $\frac{1}{4}$  in; 35 lb ..... \$4,000

## DUAL

### CD 5070 CD Player

2x-oversampling, 16-bit D/A converter. Features gold-plated connectors; 16-track random-access programming; 12-function remote; headphone jack with adjustable level. FR 5-20,000 Hz; THD

0.006%; dynamic range >95 dB; S/N 94 dB (A wtd). 18 $\frac{1}{2}$  x 3 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in; 10.5 lb ..... \$229

## EMERSON

### AC2503 Portable CD System

Programmable CD player with AM/FM radio and cassette recorder with CD-output jacks. Features 2-way speaker system; 3-in CD compatible; built-in condenser mic.; 20-track programming; 5-band graphic EQ; line out. LCD shows track number, elapsed time, program number. 22 x 7 x 8 in ..... \$280

### AD 2525 Portable CD Player

Portable CD player with random play; automatic repeat; intro scan; bass boost; headphone jack; line out. LCD shows track number, play mode. Includes headphones; carrying case; cable. 5 $\frac{1}{4}$  x 1 $\frac{1}{2}$  x 6 $\frac{1}{4}$  in ..... \$200

## FISHER

### AD752 CD Player

18-bit, 8x-oversampling digital filter, dual 16-bit D/A converters. Features 20-track programming; 1/all repeat; editing button; scan/search; 3-in CD compatibility. Includes 25-function wireless remote. FR 20-20,000 Hz  $\pm 0.5$  dB; S/N >100 dB; ch sep > 95 dB; THD < 0.005% at 1,000 Hz. 17 $\frac{1}{2}$  x 3 $\frac{1}{4}$  x 11 $\frac{1}{4}$  in; 8.4 lb ..... \$320

### AD-743 CD Player

18-bit, 8x-oversampling digital filter, dual 16-bit D/A converters. Features 16-function remote control; 16-track programming; 2-way repeat; 2-speed scan/search. FR 20-20,000 Hz  $\pm 0.5$  dB; S/N 105 dB; ch sep 95 dB; THD 0.03% at 1,000 Hz. 17 $\frac{1}{2}$  x 3 $\frac{1}{4}$  x 11 $\frac{1}{4}$  in; 6.8 lb ..... \$260

### AD-742 CD Player

18-bit, 8x-oversampling digital filter, dual 16-bit D/A converters. Features 16-track programming; 2-way repeat; scan/search; FR 20-20,000 Hz  $\pm 0.5$  dB; S/N 105 dB; ch sep 95 dB; THD 0.03% at 1,000 Hz. 17 $\frac{1}{2}$  x 3 $\frac{1}{4}$  x 11 $\frac{1}{4}$  in; 6.8 lb ..... \$250

## CD Changers

### DAC199B CD Changer

18-bit, 8x-oversampling digital filter, dual 16-bit D/A converters., 5-disc carousel. Features 32-track programming; 31-function wireless remote; selection memory and title memory; 3-in CD compatibility; random play; intro scan; scan, skip, repeat functions; headphone jack with volume control. S/N > 90 dB; ch sep > 80 dB; THD < 0.07% at 1,000 Hz ..... \$400

### DAC-145 CD Carousel Changer/Turntable

18-bit, 8x-oversampling digital filter, dual 16-bit D/A converters, 5-disc top-loading carousel CD changer/semiautomatic turntable. Features 30-function remote control; 32-track programming; disc loading during play; 3-in CD compatibility; random play; intro scan; repeat play. FR 20-20,000 Hz  $\pm 0.5$  dB; THD 0.07% at 1,000; dynamic range 90 dB; S/N 90 dB; ch sep 80 dB. 17 $\frac{1}{2}$  x 5 $\frac{1}{4}$  x 13 $\frac{1}{4}$  in; 12.1 lb ..... \$400  
 DAC-143. As above, no turntable ..... \$350

## Portable CD Systems

### PH-D9000 Portable CD System

Portable CD system with double autoreverse cassette deck; 8x oversampling, 16-bit D/A converter. Features quartz-PLL tuner; Dolby B NR; 4-band graphic equalizer; bass booster; switchable surround sound; detachable 3-way/2-way switchable surround-sound speaker system with piezo-electric tweeters and tuned bass reflex ports. 16-function wireless remote control; 20 station presets; digital clock/timer plays



# COMPACT • DISC • PLAYERS

or records at preset time; 16-track CD programming; high-speed tape dubbing; 3-in CD compatibility; mic input; line out jacks; headphone jack; AC/DC operation ..... \$470

## PHD800 Portable CD System

Features dual autoreverse cassette recorder; detachable 2-way speakers; AM/FM tuner; high-speed dubbing; surround-sound circuitry; 16-track programming; 4-band graphic EQ; 3-1/2-in CD compatibility; CD-output jacks ..... \$400

## PH-D8000 Portable CD System

8x oversampling, 16-bit D/A converters. Features dual cassette deck, AM/FM tuner; 4-band graphic EQ; bass boost; switchable surround-sound; detachable 2-way speakers. 16-track programming; high-speed dubbing; 3-in CD compatibility; mic input; line out and headphone jacks ..... \$350

## PHD700 Portable CD System

Features surround-sound circuitry; detachable 2-way speakers; AM/FM tuner; cassette recorder; 16-track programming; CD-output jacks ..... \$350

## GE

### Model 3-7045 Portable CD System

Includes AM/FM tuner, cassette deck, two 2-way speakers. Features 16-track CD programming; tape dubbing; 5-band graphic EQ; LCD panel; balance controls; headphone jack; mic input; RCA speaker jacks ..... \$300

### Model 3-7037 Portable CD System

Includes AM/FM tuner, cassette deck, two full-range 4-in speakers. Features 16-track CD programming; tape dubbing; 3-band graphic EQ; LCD panel; condenser mic; headphone and CD output jacks ..... \$149

## GOLDSTAR

### CD Players

#### GCD-646R CD Player

3-beam laser and linear-skating loading mechanism. Features remote control; 20-track programming; shuffle play; music search; repeat; headphone jack; display showing elapsed/total time, track number, repeat, and memory. \$250

#### FH-682R CD Player

2x oversampling digital filter, 16-bit D/A converter; Features 3-beam laser pickup; LCD digital track display; 3-in or 5-in CD's; 32-track programming; random play ..... \$180

### Portable CD Systems

#### PCD-N71 Portable CD System

Includes AM/FM radio and cassette recorder. Features 2 full-range speakers; 16-track CD programming; 3-in CD compatibility; CD-out and headphone jacks ..... \$220

## GRUNDIG

#### CD-9000 CD Player

4x-oversampling, 16-bit D/A converter. Features 20-program memory for track and index; track delete; forward/reverse skip for track and index; bidirectional search; 3 search speeds; line and headphone output. S/N 101 dB; FR 20-20,000 Hz  $\pm$  0.065 dB ..... \$1,099

## HAFLER

#### Iris CD Player

4x-oversampling, dual 16-bit D/A converters. Features Philips low-inertia swing-arm mecha-

nism controlled by servo motors; single-spot laser. 20-track programming; 3-speed, bidirectional search; track replay; skip up/down to previous or following tracks; multifunction remote control; gold-plated jacks for L/R audio; digital output jack. FR 20-20,000 Hz  $\pm$  0.1 dB; phase linearity  $\pm$  0.5°; THD 0.0025%; IM < 0.004%; S/N > 100 dB. 17 x 3 x 12 in ..... \$599

#### SE 150 CD Player

4x oversampling, dual 16-bit D/A converters. Features Philips low-inertia swing-arm mechanism controlled by servo motors; single-spot laser. 20-track programming; 3-speed, bidirectional search; track replay; skip up/down to any previous or following tracks; multifunction remote control; 2 gold-plated jacks for L/R audio; digital output jack. FR 20-20,000 Hz  $\pm$  0.1 dB; phase linearity  $\pm$  0.5°; THD 0.0025%; IM < 0.004%; S/N > 100 dB ..... \$599

## HARMAN KARDON

#### HD7600II CD Player

1-bit PWM D/A converter. Features separate power supplies for display, transport, analog, and digital sections; 3-beam laser pickup; fiber-optic and coaxial digital input/output. 30-track programming; index search A/B repeat; audible 2-speed cue/review; fixed and variable analog outputs with gold-plated jacks; headphone jack; remote control ..... \$699

#### HD7500II CD Player

1-bit PWM D/A converter. Features separate power supplies for display, transport, analog, and digital sections; 3-beam laser pickup. 30-track programming; index search; A/B repeat; audible 2-speed cue/review; fixed and variable analog outputs; headphone jack; remote control. \$529

#### HD7450 CD Player

1-bit PWM D/A converter. Features separate power supplies for display, transport, analog, and digital sections; 3-beam laser pickup. 30-track programming; remote control; audible 2-speed cue/review ..... \$429

#### HD7400 CD Player

4x oversampling, dual 18-bit D/A converters. Features direct coupling from D/A to audio output jacks; 3-beam laser pickup. 36-track programming; audible 2-speed cue/review; remote control ..... \$349  
HD7300. As above, no remote ..... \$299

## HEATH

#### ADW-2530 CD Player

3-beam laser. Discrete Analog output section. Features sample-and-hold processor; 36-track programming; 2-speed audible cue and review; track and index search; remote control. FR 4-20,000 Hz,  $\pm$  0.5 dB; THD 0.03%; S/N 103 dB; ch sep 83 dB ..... \$175

## HITACHI

### CD Players

#### VIP RX6EX Combi-Player

8x-oversampling, 1-bit D/A converter. Plays CD's and videodiscs. Multifunction remote control; hor res 425 lines ..... \$699.00

#### DA8200SW CD Player

3-beam laser pickup; vibration-free floating suspension; 24-track programming; random play; 4-way repeat; FL display. Includes remote control. Rosewood end caps ..... \$280

#### DA8500 CD Player

4x-oversampling, 3-beam laser pick-up. 32-

track memory, 3-way repeat/play functions. Dynamic range 90 dB; 0.03% THD; S/N 96 dB ..... \$249

#### DA6500 CD Player

Features floating suspension system; 24-track memory; random play; skip search; 4-way repeat; 10-sec intro scan; index search; 2-speed search ..... \$170

### CD Changers

#### DAC-70SW CD Changer

Features 2 six-disc magazines; direct program remote with volume; independent magazine/disc exchange; 32-track programming; direct, random, scan/repeat play; skip/manual search; real-time counter; track-time counter; programmable timer; sleep timer; resume play/standby; clock. Rosewood end caps. Dynamic range 95 dB; THD 0.004% ..... \$550

## HTG BY MUSIC & SOUND IMPORTS

CDT-1 CD Transport. .... \$749

## JVC

### CD Players

#### XLZ1010TN CD Player

8x-oversampling, four 18-bit D/A converters. Features 3-beam laser; optical/coaxial digital outputs; double-floating independent suspension system. 32-track programming; random play; disc/track title indication; 3-in CD compatibility; 4-way repeat; index play; skip; search; auto/manual search; remote control; intro scan; headphone jack with level control ..... \$700

#### XLG512NBK CD Player

8x-oversampling, dual 18-bit D/A converters. Features graphics decoder for CD-G discs; 3-beam laser pickup; optical/coaxial digital outputs; 32-track programming; random play; 3-way repeat; index play; skip; search; auto/manual search; remote control; intro scan; headphone jack with level control ..... \$500

#### XLZ611BK CD Player

8x-oversampling, dual 18-bit D/A converters. Features optical/coaxial digital outputs; 32-track programming; random play; disc/track title indication; 3-way repeat; index play; skip; search; auto/manual search; remote control; intro scan; headphone jack with level control; FL calendar display ..... \$480

#### XLZ431BK CD Player

8x-oversampling, 20-bit D/A converter. Features coaxial output; 32-track programming; random play; 4-way repeat; index play; skip; search; auto/manual search; remote control; intro scan; headphone jack with level control ..... \$310

#### XLZ331BK CD Player

8x-oversampling, 20-bit digital-to-analog converter. Features 32-track programming; coaxial output; random play; three-way repeat; auto/manual search; remote control; headphone jack; FL calendar display ..... \$255

#### XLV231BK CD Player

8x-oversampling, 20-bit D/A converter. Features 32-track programming; random play; 3-way repeat; auto/manual search; headphone jack; FL calendar display ..... \$255

#### XLV131BK CD Player

4x-oversampling, dual D/A converters. Features 32-track programming; random play; 3-way repeat; auto/manual search; 15-track display \$255

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## CD Changers

### XLM403BK CD Changer

8x oversampling, 20-bit D/A converter, 6-disc magazine and single-disc tray. Features 32-track random programming; 4-way repeat, repeat all discs, all tracks, single track, and programmed tracks; random play; auto/manual search; multifunction display; independent suspension sys; remote; headphone jack . . . \$370

### XLM303BK CD Changer

4x oversampling, 18-bit D/A converter, 6-disc magazine. Features 32-track random programming; 4-way repeat, repeat all discs, all tracks, single track, and programmed tracks; random play; auto/manual search; multifunction FL display; independent suspension system . . . \$370

### XLR202BK CD Changer

4x oversampling, dual D/A converters, 5-disc carousel. Features 32-track random programming; 2-way repeat, repeat all discs, single track; random play; auto/manual search; multifunction FL display; independent suspension system . . . \$300

## Portable CD Systems

### PCX1000J Portable CD System

4x oversampling, single D/A converter; 6-disc magazine. Features AM/FM tuner, dual-well autoreverse cassette deck, and dual 2-way speakers. CD section features 50-track programming; synchro-start recording; 3-in CD compatibility; bass boost. Cassette features synchro start high-speed dubbing; relay play; Dolby B NR; metal compatibility. Other features: powered subwoofer; 15 FM and 5 AM presets with multi-color display; 5-band graphic EQ; detachable speakers with 4-in cones. Includes remote control. 15 W/ch min rms into 4 ohms from 300-16,000 Hz with <10% THD; AC/DC power source. 29 x 12 1/4 x 13 1/2 in; 35.9 lb . . . \$750

### PCX500 Portable CD System

4x oversampling. Features AM/FM tuner; dual cassette deck; two full-range speakers. CD section features 20-track programming; synchro-start recording; 3-in CD compatibility. Cassette features synchro start high-speed dubbing; relay play; Dolby B NR; metal compatibility. Other features: powered subwoofer; 15 FM and 5 AM presets with multicolor display; 5-band graphic EQ; detachable speakers with 4-in cones. 3.5 W/ch min rms into 8 ohms from 300-15,000 Hz, 12 watts min rms into 4 ohms from 50-150 Hz for subwoofer, both with <10% THD; AC/DC power source. 26 1/2 x 9 1/2 x 9 1/2 in; 18.3 lb . . . \$500  
**PCX200J.** Similar to above, single-well deck and subwoofer with 9 watts min rms into 4 ohms from 30-180 Hz, with <10% THD . . . \$400  
**PCX100J.** Similar to above, no cassette player. 26 1/2 x 9 1/2 x 9 1/2 in; 17.4 lb . . . \$350

## KENWOOD

All Kenwood CD players and changers feature the company's Digital Pulse Axis Control (DPAC) system to reduce jitter.

### L-1000D CD Player

4x oversampling, dual 16-bit D/A converters. Features optical and coaxial digital output; balanced transmission design; servo control; discrete power supplies for digital and analog circuits; remote control. FR 2-20,000 Hz  $\pm$  0.5 dB; S/N 107 dB; THD 0.0015% at 1,000 Hz. 17 1/4 x 5 1/4 x 15 1/4 in; 30.8 lb . . . \$1,200

### DP-7020 CD Player

8x oversampling, dual 20-bit D/A converters. Features optical digital output; vibration-damp-

ing design; remote control; random-track memory; 20-track direct access; 3-in CD compatibility. FR 2-20,000 Hz  $\pm$  0.5 dB; S/N 110 dB; THD 0.0025% at 1,000 Hz. 17 1/4 x 5 x 12 1/2 in; 13 lb . . . \$469

### DP-5020 CD Player

8x oversampling, dual 20-bit D/A converters. Features optical digital output; vibration-damping design; remote control; random-track memory; 20-track direct access; calendar display; 3-in CD compatibility. FR 2-20,000 Hz  $\pm$  0.5 dB; S/N 104 dB; THD 0.003% at 1,000 Hz. 17 1/4 x 4 1/2 x 13 in; 9.2 lb . . . \$349

### DP-3020 CD Player

8x oversampling, dual 18-bit D/A converters. Features CD-to-tape editing; remote control; random play; 20-track direct access; headphone output with volume control; calendar display. FR 4-20,000 Hz  $\pm$  1 dB; S/N 90 dB; THD 0.01% at 1,000 Hz. 17 1/4 x 4 1/4 x 10 1/4 in; 8.4 lb . . . \$259

### DP-1520 CD Player

4x oversampling, dual 16-bit D/A converters. Features remote control; random-track memory; random play; 10-track direct access; headphone output. FR 4-20,000 Hz  $\pm$  1 dB; signal-to-noise ratio 90 dB; THD 0.07% at 1,000 Hz. 17 1/4 x 4 1/4 x 10 1/4 in; 7.7 lb . . . \$229

### DP-49 CD Player

4x oversampling, dual 16-bit D/A converters. Features 3-beam laser; random-track memory; random play; FL display. FR 4-20,000 Hz  $\pm$  1 dB; S/N 90 dB; THD 0.07% at 1,000 Hz. 17 1/4 x 4 1/4 x 10 1/4 in; 7.7 lb . . . \$229

## CD Changers

### DP-M6620 CD Changer

8x oversampling, dual 18-bit D/A converters, 6-disc magazine and single CD tray. Features computerized CD editing; one-touch disc selection; remote control; random play; 10-track direct access; FL display with music calendar and disc indicator. FR 5-20,000 Hz  $\pm$  1 dB; S/N 95 dB; THD 0.008% at 1,000 Hz. 17 1/4 x 4 1/4 x 14 1/2 in; 13.8 lb . . . \$369

### DP-M5520 CD Changer

8x oversampling, dual 18-bit D/A converters, 6-disc magazine. Features computerized CD editing; one-touch disc selection; remote control; random play; 10-track direct access; FL display with music calendar and disc indicator. FR 5-20,000 Hz  $\pm$  1 dB; S/N 93 dB; THD 0.01% at 1,000 Hz. 17 1/4 x 5 x 14 1/2 in; 13.2 lb . . . \$329

### DP-R99 CD Changer

4x oversampling, dual 16-bit D/A converters, 5-disc carousel. Features 3-beam laser; computerized CD editing; one-touch disc selection; remote control; random play; FL display with music calendar and disc indicator. FR 20-20,000 Hz  $\pm$  2 dB; signal-to-noise ratio 90 dB; total harmonic distortion 0.02% at 1,000 Hz. 17 1/4 x 5 x 15 1/2 in; 12.6 lb . . . \$279

## Combi-Players

### LVD-300 Combi-Player

8x oversampling, dual 18-bit D/A converters. Plays 3-, 5-in CD's; 5-in CDV's; 8-, 12-in video-discs. Features optical and S-VHS outputs; computerized CD editing; 20-track programming; remote control; random play; fluorescent display with music calendar and disc indicator. Frequency response 4-20,000 Hz  $\pm$  0.5 dB. -1 dB; signal-to-noise ratio 108 dB; total harmonic distortion 0.003%; hor res 425 lines. 17 1/4 x 5 1/2 x 14 1/2 in; 25.4 lb . . . \$699

## Portables

### DPC-81 Portable CD Player

4x oversampling, dual 16-bit D/A converters. Features digital output; remote control; 24-track programming, search; skip/repeat; 4-hr operation with rechargeable battery. FR 20-20,000 Hz  $\pm$  1 dB; S/N 90 dB; THD < 0.01% at 1,000 Hz. 5 1/2 x 1 1/4 x 5 1/4 in; 1.2 lb . . . \$379

### DPC-61 Portable CD Player

2x oversampling, dual 16-bit D/A converters. Features remote control; track/disc repeat; illuminated play key. FR 20-20,000 Hz  $\pm$  1 dB; S/N 90 dB; THD < 0.04% at 1,000 Hz. 5 1/2 x 1 1/4 x 6 1/4 in; 1.1 lb . . . \$249

### DPC-41 Portable CD Player

2x oversampling, dual 16-bit D/A converters. Features 15-track programming; track/disc repeat; last-track recall; LCD panel. FR 20-20,000 Hz  $\pm$  1 dB; S/N 90 dB; THD < 0.04% at 1,000 Hz. 5 1/2 x 1 1/4 x 6 1/4 in; 1.1 lb . . . \$199

## KINERGETICS

### KCD-40 Gold Series CD Player

8x oversampling, dual 18-bit D/A converters. Features single-beam laser; fully balanced circuit topology; volume and balance controls; 7V output level to drive power amplifier; multifunction remote. 17 x 4 1/2 x 13 in, 21 lb. \$2,295

**KCD-20B.** As above, 4x oversampling, 16-bit D/A converters; patented hysteresis distortion-cancelling circuitry; 4-V output level. 17 x 4 1/2 x 13 in, 21 lb . . . \$1,495

## KRELL

### MD-1 CD Turntable

Top-loading CD transport featuring the CDM-3 CD ROM drive utilizing Philips swing-arm laser servo, proprietary circuitry; four-point isolation, infinite leveling capability; remote control . . . \$5,400

### MD-2 CD Turntable

Top loading CD transport featuring CDM-1 MK II Philips swing-arm laser servo; proprietary circuitry; remote control . . . \$3,500

## LUXMAN

The following CD players and changers have input and output jacks for Luxman's integrated-system remote control and carry a 5-year parts-and-labor warranty.

### D-105U Tube CD Player

8x oversampling, dual 18-bit D/A converters. Features BRID hybrid-circuit design using twin-triode vacuum-tube amplification in analog output stages; Duo-Beta dual feedback-loop amp circuitry to widen bandwidth and improve transient response; optical and coaxial digital outputs; metal chassis and component shielding; high-mass magnetic disc clasper; 3-beam laser pickup. 32-track programming; random play; auto edit/fade-out for CD taping; auto scan/pause; timer/power-off memory; 9-key remote control. Frequency response 5-20,000 Hz,  $\pm$  1 dB; THD 0.05%; S/N 105 dB; dynamic range 92 dB; ch sep at 1,000 Hz 90 dB. 17 1/4 x 5 1/2 x 13 1/2 in; 18.7 lb . . . \$1,200

### D-113D CD Transport

CD transport designed for use with digital-direct amplifiers. Features optical and coaxial digital outputs; 3-beam laser pickup; high-density magnetic disc clasper. 16-track programming; 10-key direct access; 9-key remote control; fast-scan, skip, pause, and repeat buttons;

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multifunction display. Performance specifications said to depend on amplifier used. 17¼ x 3¾ x 12¾ in; 9.7 lb ..... \$550

## DZ-112 CD Player

8x oversampling, dual 18-bit D/A converters. Features Duo-Beta dual feedback-loop amp circuitry to widen bandwidth and improve transient response; coaxial digital output; metal chassis and component shielding; high-mass magnetic disc clamber; 3-beam laser pickup. 32-track programming; random play; auto edit/fade-out for CD taping; auto scan/pause; timer/power-off memory; 9-key remote control. Frequency response 5-20,000 Hz, ±0.5 dB; THD 0.005%; S/N 106 dB; dynamic range 96 dB; ch sep at 1,000 Hz 100 dB. 17¼ x 3¾ x 12¼ in; 10 lb ..... \$500

## DZ-111 CD Player

4x oversampling, dual 16-bit D/A converters. Features Duo-Beta dual feedback-loop amp circuitry to widen bandwidth and improve transient response; coaxial digital output; metal chassis and component shielding; high-mass magnetic disc clamber; 3-beam laser pickup. 32-track programming; random play; auto scan/pause; timer play; 9-key remote control. Frequency response 5-20,000 Hz, ±0.5 dB; total harmonic distortion 0.005%; signal-to-noise ratio 106 dB; dynamic range 96 dB; ch sep at 1,000 Hz 100 dB. 17¼ x 3¾ x 12¼ in ..... \$350

## DZ-92 CD Player

4x oversampling, dual 16-bit D/A converters. Features 3-beam laser; all-metal housing and chassis; Duo-Beta dual feedback-loop audio amplifier circuitry; Star circuit topology. 20-track programming; multifunction remote control. FR 5-20,000 Hz ±0.5 dB; S/N 105 dBA; THD 0.06%; ch sep 95 dB at 1,000 Hz. 17¼ x 3¾ x 9¾ in; 6.8 lb ..... \$280

## CD Changer

### DC-114 CD Changer

8x oversampling, dual 18-bit D/A converters, 6-disc magazine and single-disc tray. Features 3-beam laser; high-mass magnetic disc changer; all-metal housing and chassis; dual mounting system; Duo-Beta dual feedback-loop audio amplifier circuitry; Star circuit topology. 24-track programming; random play; timer play; multifunction remote control; system remote control jacks. Frequency response 5-20,000 Hz ±0.5 dB; S/N 104 dBA; THD 0.005%; ch sep 95 dB at 1,000 Hz. 17¼ x 4¾ x 13½ in; 15.1 lb \$800

### DC-113 CD Changer

8x oversampling, dual 16-bit D/A converters, 6-disc magazine and single-disc tray ..... \$600



Luxman DC-114

## MAGNAVOX

### CD Players

#### CDB630 CD Player

4x oversampling, dual 16-bit D/A converters. 36-button infrared remote control; A/B repeat; dual FTS; FTS title; random play; edit mode; scan/fast scan. 16½ x 3 x 11 in ..... \$400

#### CDB624 CD Player

1-bit Bitstream D/A converter, 31-button infrared remote control; favorite-track selection; headphone jack with volume control; scan/fast scan; digital output; edit mode; direct programming/play; random play; A/B repeat play. 16½ x 3 x 11 in ..... \$300

#### CDB610 CD Player

4x oversampling, dual 16-bit D/A converters. 24-button infrared remote control; A-B repeat; 20-track memory programming; track skip; random play; 3-speed music search w/cueing. 16½ x 3 x 11 in ..... \$230

#### CDB502 CD Player

4x oversampling, dual 16-bit digital-to-analog converters. Fifteen-button infrared remote control; shuffle play; twenty-track memory programming; intro scan; 3-in CD compatible. 16½ x 4¾ x 11 in ..... \$180

#### CDB500 CD Player

4x oversampling, dual 16-bit D/A converters; CDM-4 laser-scanning assembly. Shuffle play; 20-track memory programming; intro scan; 3-in CD compatible. 16½ x 4¾ x 11 in ..... \$170

### Combi-Player

#### CDV-305 CD Combi-Player

4x oversampling, dual 16-bit D/A converters. Plays 3- and 5-in CD's, 5-in CDV's, 8- and 12-in videodiscs, CX NR system. 42-button infrared remote control; record edit feature; multifunction FTD display; 5-mode repeat capability; shuffle play; 20-chapter/track programming; auto music scan; two-speed scan. Audio: FR 3-20,000 Hz ±0.5 dB; signal-to-noise ratio 97 dB; dynamic range 94 dB; total harmonic distortion 0.003% at 1,000 Hz. Video: hor res 425 lines; signal-to-noise ratio 48 dB. 16½ x 5 x 16¾ in ..... \$549

### CD Changers

#### CDB586 CD Changer

4x oversampling, dual 16-bit D/A converters, 6-disc changer. 26-button infrared remote control; 30-track memory programming; shuffle play; 2-speed music search w/cueing; repeat play. 16½ x 3¾ x 12¼ in ..... \$370

#### CDB583 CD Changer

4x oversampling, dual 16-bit D/A converters, 6-disc changer; CDM-4 laser-scanning assembly. 27-button infrared remote control; 30-track memory programming; track skip; 2-speed music search w/cueing; shuffle play; FTD display with 6-position matrix. 16½ x 3¾ x 12¼ in \$350

#### CDC552 CD Carousel Player

4x oversampling, dual 16-bit D/A converters, 5-disc CD carousel player. Infrared remote control; 30-track memory programming; 3-speed review w/cueing; shuffle play; disc changeable during play; intro scan; 3-in CD compatible. 16½ x 4½ x 15¼ in ..... \$300

#### CDB496 CD Changer

6-disc changer; 30-track programming; repeat play; random play; next/previous track skip; 3-track memory; 3-speed music search with cueing; 5-digit LCD display. Includes remote control. Optional single-disc magazine and 6-disc magazine for 3-in CD's ..... \$300

#### CDC550 CD Carousel Changer

4x oversampling, dual 16-bit D/A converters, 5-disc CD carousel player. 30-track memory programming; 3-speed review w/cueing; shuffle play; disc changeable during play; intro scan; 3-in CD compatible. 16½ x 4½ x 15¼ in ..... \$250

## MARANTZ

### CD-94 CD Player

4x oversampling, dual 16-bit converters. Features digital outputs with link for optional CDA-94 separate D/A converter; favorite-track selection, memorizes over 200 disc programs; shuffle play; random play; intro scan; three independent power supplies for digital, analog, and mechanical sections; wireless remote with full programming capabilities; black rosewood side panels ..... \$1,700  
CD-94G. As above with rose-gold finish and rosewood side-panels ..... \$1,800

### CD 3577 CD Player

Dual 16-bit D/A converters. Features 20-track music programming; synchro dubbing; coaxial digital output; timer; 27-key remote control; 3-in CD compatible. FR 4-20,000 Hz; THD 0.005%; S/N 100 dB ..... \$450

### CD 2474 CB CD Player

Features 16-track random access programming; unitary-triplex laser system; remote control ..... \$230

### CD Changers

#### DC 3587 CD Changer

4x oversampling, dual 16-bit D/A converters, 5-disc carousel. Features bi-spheric glass lens in unitary laser; linear motor transport; 20-step random-access programming; repeat/random play; 2-color FL display; 25-key remote. FR 2-20,000 Hz; THD 0.05%; S/N 95 dB ..... \$380

#### DC 2484 CB CD Changer

6-disc magazine. Features 3-beam laser pickup; remote control ..... \$330

## MCINTOSH

### MCD 7007 CD Player

4x oversampling, dual 16-bit D/A converters, 18-bit dynamic range; antijamming motorized front-loading tray. Programmable directly from short scan of each track; three-speed search; remote control; damaged disc/mute error correction indicator; digital output jack; headphone jack with volume control. Frequency response 20-20,000 Hz ±0.2, -0.3 dB; total harmonic distortion 0.0012% at 1,000 Hz; signal-to-noise ratio 107 dBA; ch sep 102 dB at 1,000 Hz. 16¾ x 5½ x 13 in; 18 lb ..... \$1,995

## MELOS

### CD-T Bitstream CD Player

Vacuum tube, 1-bit D/A converter, dual-chassis design. Features toroidal transformer-regulated power supplies in aluminum chassis. Gold-plated Tiffany connectors. FR 20-20,000 Hz ±0.2 dB; THD 0.07%; S/N 90 dB; output 3 V rms; output imp 100 ohm ..... \$1,695  
CD-T Bitstream CD Player/Preamplifier. As above with line-level/phono preamp, 6 inputs, two tape monitors and two main outputs \$2,395  
With line-level only ..... \$1,995

## MERIDIAN

### Model 208 CD Player/Preamplifier

256x oversampling dual-differential PDM bit-stream D/A conversion. Passive differential analog filters; high-stability master clock; high-speed tracking servo; circuit built on computer-grade 4-layer PC boards; connected two-box construction separates transport and electronics. Analog preamp with three inputs and 64-step volume control; two optical digital output; coaxial digital output; analog input convertible to phono preamp with optional MC/MM board;

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LED display; lighted control keys; remote control included. FR 20-20,000 Hz; S/N >106 dBA; THD <0.004%. Matte-black finish with glass front. 12¼ x 4 x 12¼ in ..... \$2,950

## Model 602 CD Transport

Features microprocessor control with proprietary microcode for control and tracking functions. High-speed servos employ analog and digital elements; user-adjustable track-select settling time assures any digital processor has time needed to lock onto digital data. Meridian "Optical Comms" inter-unit communication system transfers commands/information between 600 Series components without ground loops or interference; two-box chassis design. Fully compatible with Meridian 200 Series, multiroom, and digital-active loudspeaker components which utilize optical and/or coaxial connections; LED indicators and gold control keys. Black-anodized finish with glass front. 12¼ x 4 x 12¼ in ..... \$2,500

## Model 206 CD Player

2-piece player with 4x oversampling, 16-bit D/A converters. Units are linked and provide physical and electrical isolation between transport, power supply, and digital and analog electronics. Features single processor; passive analog filter. Next/previous track and index; continue button which restarts CD to last location; display of track, index, track/disc time, disc remaining time; optical and coaxial digital outputs. 12½ x 4 x 12 in; 20 lb ..... \$1,690

## MISSION

### Cyrus PCM II CD Player

4x oversampling, dual 16-bit D/A converters with post-D/A filter. Features 5 separate internal power supplies for analog and digital circuits; analog stages can be driven externally by optional Cyrus PSX power supply; digital output with 100-ohm removable loading plug. 29 function remote with display shut down; absolute phase inversion; low-loss 60 x 1-dB stepped volume control; 20-track programming with recall; 3-speed search; 3-mode time display; scan; program; direct-track access; index selection. FR 20-20,000 Hz; S/N 96 dB; THD 0.003% at 0 dB. 17 x 3 x 13½ in; 16 lb ..... \$849

## MITSUBISHI

### M-C6010 CD Changer

8x oversampling, dual 18-bit D/A converters, 5-disc magazine. Features 20 programs per magazine for 50 magazines; on-screen display; tape edit; audible scan; index search; random play; remote control. 3-in CD compatibility; video input for CD+G decoder; video output; optical and coaxial outputs and headphone jack. \$899

### M-C4030 CD Changer

4x oversampling, dual 18-bit D/A converters, 5-disc magazine. Features 20-step programming; audible scan; index search; random play; remote control. 3-in CD compatibility; headphone jack ..... \$449

### M-C2050 CD Player

1-bit D/A converters. Features 20-track programming; calendar display; audible scan; intro scan; random play; remote control. 3-in CD compatibility; headphone jack ..... \$349

## MOD SQUAD

### Signature CD Player

4x oversampling and dual 16-bit D/A converters. Features fast-setting, current-summing amplifier stage; proprietary zero-feedback voltage regulation for analog section and D/A converter

voltage reference; all direct-coupled circuitry; DC servo amplifier; upgradable. Absolute phase inversion from front panel or from remote. Wireless programmable remote with motorized volume; 20-track random programming with Favorite Track Selection; indexing; music search; A-B loop; coaxial and optical digital outputs; fixed and variable line outputs. FR 0.1-20,000 Hz ±0.5 dB; S/N -100 dB; THD 0.005%; output level 4 V rms ..... \$2,995

### Prism II CD Player

4x oversampling and Philips 16-bit digital processing. Remote control: digital data and clock lines timed for current synchronization and minimal jitter; fast-setting, current-summing amplifier stage; proprietary zero-feedback voltage regulators for analog section and for D/A-converter voltage reference; all direct-coupled circuitry; DC servo amplifier. 20-track random programming; repeats disc, track, program, and phrase (A-B repeat); digital-time-domain alignment; fixed and variable line outputs; output level 4 V rms; coaxial digital outputs. FR 0.1-20,000 Hz, ±0.05 dB; S/N -110 dB; THD 0.02%; 11 lb ..... \$1,750

## MUSEATEX

### Meitner CD-3 CD Player

4x oversampling, 16-bit D/A converters. Features coaxial digital output; elapsed-time display; remaining time display; 99 programmable selections; remote control; repeat functions. FR 20-20,000 Hz ±0.5 dB; S/N 100 dB; THD 0.005%. 38.25 lbs ..... \$3,050

### Melior CD Deck CD Player

Features digital output filtration; coaxial and fiber-optic outputs; elapsed-time display; remaining-time display; 99 programmable selections; remote control; repeat functions. THD 0.005%. 22.5 lbs ..... \$1,650



Museatex Meitner CD-3

## NAD

### CD Players

#### Model 5100 Monitor Series CD Player

4x oversampling, 16-bit D/A converter. Features dynamic-range circuit; 8 separate analog, digital, and mechanical power supplies. Variable and fixed outputs; normal and delete mode programming. Includes remote control with volume. Rack mountable ..... \$499

#### Model 5340 CD Player

18-bit, 8x-oversampling digital filter, 16-bit D/A converter. Features serial digital output; variable and fixed outputs. Includes remote control with volume control ..... \$399

#### Model 5325 CD Player

18-bit, 4x-oversampling 18-bit digital filter, 16-bit D/A converter. Features pulse-width modulation circuitry. Includes remote control. Linearity 1 dB at 90-dB level ..... \$299

### CD Changer

#### Model 5170 Monitor Series CD Changer

4x oversampling, 16 bit D/A converter, 6-disc magazine, and single-play drawer. Features serial digital output; intro scan; random play of all discs; 32-track programmable memory. Includes remote control with volume. Rack mountable ..... \$699

## NAKAMICHI

### CD Players

#### OMS-7AII CD Player

4x-oversampling, dual 16-bit D/A converters. Features 3-beam laser; 24-track random programming; track, elapsed-time, and disc-time display; track memory; sound audible ff/fast rev; cancel; repeat disc, program; cue by track number, index number; 7-function remote control; headphone jack with adjustable level. Max line output 2 V; headphone output 35 mW; total harmonic distortion at 1,000 Hz 0.0025%; signal-to-noise ratio >104 dBA; channel separation >100 dB; FR 5-20,000 Hz ±0.5 dB. 17¼ x 3¾ x 12¼ in; 16.3 lb ..... \$1,995

OMS-5AII. Similar to OMS-7AII without remote and programming functions ..... \$1,650

#### CDPlayer2 CD Player

8x oversampling, 20-bit D/A converter. Disc stabilizer; linear-phase 3rd-order Bessel-type analog filtering; digital de-emphasis; regulated power supply; isolated ground topology; floating disc-drive. MusicBank System; 3-in disc compatible; memory play; random play; synchro recording; disc scan; repeat play; system remote terminal; adjustable output level; digital output; disc calendar; headphone output with level control; wireless remote control. Frequency response 5-20,000 Hz ±0.5 dB; signal-to-noise ratio >105 dBA; THD 0.0025%; ch sep >98 dB. 17 x 4 x 14¼ in; 12 lb ..... \$649

#### CDPlayer3 CD Player

8x oversampling, 18-bit D/A converter. Disc stabilizer; linear-phase 3rd-order Bessel-type analog filtering; digital de-emphasis; regulated power supply; isolated ground topology; floating disc-drive mechanism. MusicBank System; 3-in disc compatible; memory play; random play; disc scan; repeat play; system remote terminal; disc calendar; headphone output with level control; wireless remote control. FR 5-20,000 Hz ±0.5 dB; S/N >103 dBA; THD 0.0035%; ch sep >97 dB. 17 x 4 x 14¼ in; 12 lb ..... \$499

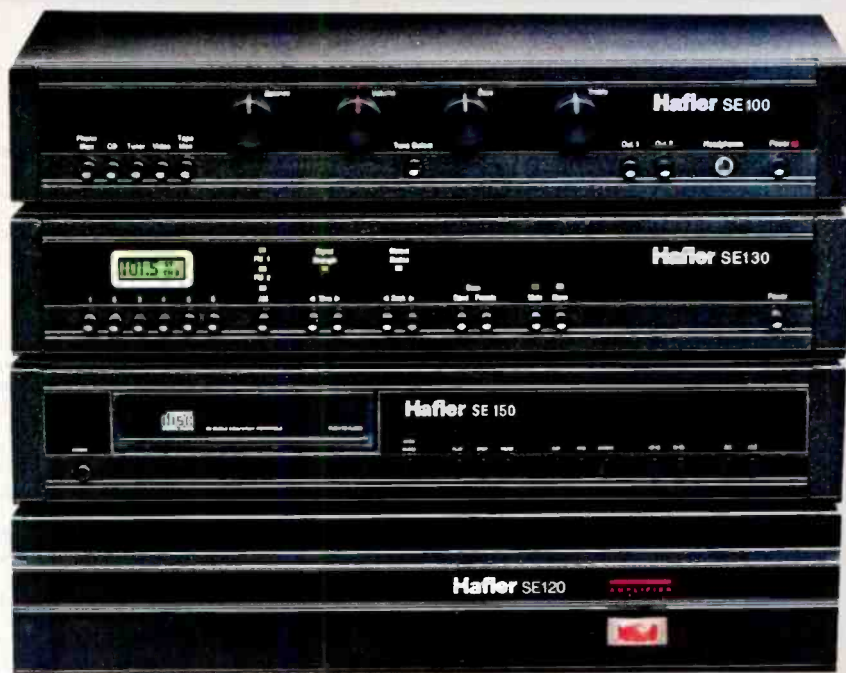
#### CDPlayer4 CD Player

8x oversampling, 18-bit D/A converter. Linear-phase 3rd-order Bessel-type analog filtering; regulated power supply; isolated ground topology; floating disc-drive mechanism. 3-in disc compatible; memory play; repeat play; system remote terminal; digital output terminal; headphone output with level control; wireless remote control. FR 5-20,000 Hz ±0.5 dB; S/N >100 dBA; THD 0.0035%; ch sep >95 dB. 17 x 4 x 12¼ in; 11 lb ..... \$349

## NUMARK

#### CD6020 CD Player

8x oversampling, 18-bit D/A converter, and dual transport. 2-piece design features pitch adjustment of up to 8% for each transport; fading from one CD to other; LED indicators for disc status information, plus rack location/track number, and elapsed time; memory; remote control. FR 1-20,000 Hz ±0.5 dB; total harmonic distortion 0.0028% at 1,000 Hz, 0 dB; S/N ratio 106 dB. All-metal chassis;



## Any way you look at it, Hafler advances the state of the art while it reduces the price of admission.

**New Hafler SE Series.** The SE Series embodies the basic Hafler design philosophy: Innovative circuitry, high reliability and, above all, sonic excellence. The result is pure, unimpeded sound at an affordable price.

**SE100 J-FET Preamplifier.** Based upon the critically acclaimed reference standard DH 110 circuitry. The SE 100's all J-FET line stage offers "tube-like" sound while maintaining ultra-low noise and distortion.

**SE130 AM/FM Tuner.** Features Delco Electronics receiver circuitry. This American-built tuner incorporates sophisticated stereo blending and superior interference immunity.

**SE150 CD Player.** Dual 16-bit digital to analog converters and quadruple oversampling capture all the dynamics and low-level resolution you expect from the latest in CD technology. A full-function remote control is provided to allow easy access to all of your favorite music.

**SE120 MOSFET Amplifier.** Featuring 60 watts per channel of MOSFET output power. This conservatively rated power amplifier is based upon the heralded DH 120 circuitry. Utilizing a novel drive circuit which is extraordinarily linear, it achieves ultra-low distortion without the use of high negative feedback. The result is: Ruggedness. Linearity. High speed. And the "tube-like" characteristics of smoother sound with less distortion.

The Hafler SE line of products, hand built in America, represents the affordable high end in separates. ●

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"The Affordable HighEnd"



# COMPACT • DISC • PLAYERS

control keys incorporated into separate unit. Control unit: 19 x 3½ x 6½ in; 6 lb. Transport unit: 19 x 5¼ x 9 in; 27 lb ..... \$1,995

## ONKYO

The following CD players and changers are compatible with Onkyo's RI integrated-system remote control.

### DX-2800 CD Player

Four AccuPulse D/A converters. Features optical digital output; special damping for transport mechanism to eliminate vibrations; random play; motorized volume control; 2-mode display dimmer switch; 10-key direct track access on front panel ..... \$380

### DX-1800 CD Player

8x oversampling, dual 18-bit D/A converters with individual MSB calibration. 3-beam laser pickup; 3-in CD capability; 20-track programming; fluorescent display; time edit function; shuffle play; 4 repeat modes; timer play; variable headphone output ..... \$230

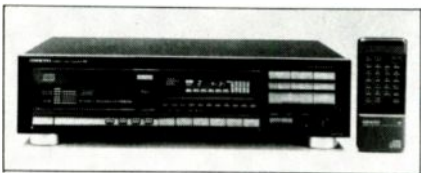
### DX-1400 CD Player

8x oversampling, dual 18-bit D/A converters with individual MSB calibration. 3-beam laser pickup; 3-in CD capability; 20-track programming; fluorescent display; time-edit function; 3 repeat modes; timer play ..... \$200

## CD Changers

### DX-C510 CD Changer

8x oversampling, dual 18-bit D/A converters with MSB calibration. Features opto-coupling; random playback; 3-beam laser pickup; 10 program memory for 340 discs; headphone jack with level control; fluorescent display; single-disc tray included ..... \$520



Onkyo DX-C510

### DX-C310 CD Changer

8x oversampling, dual 18-bit D/A converters with MSB calibration. Features 3-beam laser pickup. Random play; 40-track programming; 4 repeat modes; fluorescent with supplied controller ..... \$420

### DX-C200 CD Changer

4x oversampling, dual D/A converters, 5-disc carousel. Features 36-track programming; fluorescent music display; shuffle play; 5 repeat modes ..... \$330

### DX-C100 CD Changer

4x oversampling, dual D/A converters, 5-disc carousel. Features 36-track programming; fluorescent music display; shuffle play; 5 repeat modes ..... \$330

## Integra Series

### Grand Integra DX-G10 CD Player

8x oversampling, dual 18-bit D/A converters with 4 MSB calibration. Features five-element opto-coupling; cast-steel antivibration chassis; high-speed linear-motor laser transport; 3rd-order GIC-type analog output filters; separate transformers for digital and analog stages. Variable-speed scan and cue; 4-mode repeat; 16-track programming; 10-key direct play; time-

search function; phase-reverse switch; coaxial and optical digital outputs; fixed and variable analog outputs; variable intensity display; remote control ..... \$2,500

### Integra DX-7500 CD Player

8x oversampling, dual 18-bit D/A converters with 4 MSB calibration. Features opto-coupling; separate power transformers for digital and analog stages; 3rd-order GIC-type analog output filters; Poly-Sorb spacers for vibration damping. 20-track programming; shuffle/timer play; optical and coaxial digital outputs; fixed and variable analog outputs; remote control .. \$700

### Integra DX-5700 CD Player

8x oversampling, dual 18-bit D/A converters with individual 2 MSB calibration. Features opto-coupling; 3-beam laser pickup; linear motor laser transport; Poly-Sorb vibration damping. 3-in CD capability; 20-track programming; 20-track random music calendar display with 3-position dimmer control; time edit function; shuffle play; 4 repeat modes; variable headphone output; fixed and variable analog outputs; coaxial and optical digital outputs .. \$580

### Integra DX-3800 CD Player

Eight AccuPulse D/A converters. Features linear motor transport; peak-search function; 20-track random music calendar; aluminum die-cast disc tray; auto space; intro play; memory reverse; auto fade; time edit; 5-mode repeat; 2-mode shuffle play; 2-mode high-speed scan ..... \$480

## OPTIMUS BY RADIO SHACK

### CD-6100 CD Changer

4x oversampling, 16-bit D/A converter, 5-disc capacity. Features floating tray. Audio search; sequence programming within and between CD's; repeat play; shuffle play; digital display. Frequency response 20-20,000 Hz ± 1 dB; S/N > 100 dB; total harmonic distortion < 0.05%, 1,000 Hz. 14 x 4¼ x 15¼ in; 11.3 lb ..... \$250

### CD-1650 CD Player

2x oversampling and 16-bit D/A converter. Features 3-beam laser. Memory programming; automatic search; repeat play; random play; pause and cue; audible search; digital display; remote control. FR 5-20,000 Hz ± 1 dB; S/N 92 dB; THD 0.006%, 1,000 Hz ..... \$240

### CD-1750 CD Player

2x oversampling and 16-bit D/A converter. Features floating tray; 3-beam laser tracking. Audible search; automatic search; index display; random track programming; repeat play; digital display; remote control. FR 20-20,000 Hz ± 1 dB; S/N 94 dB; THD 0.05%, 1,000 Hz. 13¼ x 2¾ x 11 in; 6.25 lb ..... \$220

### CD-2450 CD Player

2x oversampling and 16-bit D/A converter. Features floating tray; 3-beam laser tracking. Audible search; memory programming; repeat play; digital display; remote control. FR 20-20,000 Hz ± 1.5 dB; S/N 85 dB; THD 0.008%, 1,000 Hz. 13¼ x 2¾ x 10¾ in; 7 lb ..... \$200

## PANASONIC

### CD Player

### SL-PS352 CD Player

4x oversampling, dual D/A converters. Features high-speed linear-access system; large insulation feet. Music matrix; 20-track programming; skip and search; track/disc/program repeat; FL display; 3-in CD compatibility; auto cue; multi-function time mode ..... \$180

### CD Changer

### SL-PC363 CD Changer

4x oversampling, four 18-bit D/A converters, 5-disc carousel. Features tape edit; high-speed linear access system; 32-track programming; skip and search; track/disc/program repeat; FL display; 3-in CD compatibility ..... \$230

### Portable CD Systems

### RX-DT5 Portable CD System

Portable CD system with AM/FM tuner, dual-well autoreverse cassette deck, and two 2-way speakers. CD features: tape edit; 36-track programming; LCD readout; remote control. Other features: high-speed tape dubbing; clock/timer; auto-tape selector; bass boost; 12 AM/12 FM presets; 5-band graphic EQ ..... \$380

### RX-DS660 Portable CD System

Portable CD system with AM/FM tuner, autoreverse cassette deck, and two 2-way speakers. CD features: tape edit; 36-track programming; LCD readout; remote control. Other features: auto-tape selector; bass boost; 10 AM/10 FM presets; 5-band graphic EQ ..... \$350

### RX-DS620 Portable CD System

Portable CD system with AM/FM tuner, autoreverse cassette deck, and two 2-way speakers. CD features: 36-track programming; LCD readout. Other features: bass boost; 10 AM/10 FM presets; 5-band graphic EQ ..... \$300

### RX-DS20 Portable CD System

Portable CD system with AM/FM tuner, autoreverse cassette deck. CD features: 36-track programming; LCD readout. Other features: 12 AM/12 FM presets; 5-band graphic EQ ..... \$280

### Portable CD Players

### SL-NP12 Portable CD Player

4x oversampling, dual D/A converters. Features one-key wired remote control; 18-track programming; skip/search; bass-boost; track/disc/program repeat; LCD display; 3-in CD compatibility. Includes rechargeable batteries and AC adaptor/recharger ..... \$230

### SL-NP1 Portable CD Player

4x oversampling, dual D/A converters. Features 18-track programming; skip/search; bass-boost; track/disc/program repeat; LCD display; 3-in CD compatibility. Includes AC adaptor \$179

## PARASOUND

### C/DX-88 CD Player

8x oversampling, dual 18-bit D/A converters. Features 20-track programming, programmable repeat. 3-beam laser; regulated power supply; remote control, digital output. FR 5-20,000 Hz; S/N 110 dB; THD 0.002% ..... \$345

## PHILIPS

### CD Players

### LHH1000 2-Piece CD Player

4x oversampling, 16-bit D/A converter with select-grade TDA-1541 "AS-1" chips. Separate CD transport and D/A converter. Transport features Philips' CDM-1 die-cast aluminum-alloy mechanism with single-beam laser pickup. Favorite-track selection; single-disc tray; 20-track programmable memory; 4-way repeat; disc/track-time display; headphone jack with level control; digital output; optical output; copper-plated alloy castings. Includes remote control. FR 20-20,000 Hz ± 0.1 dB; S/N 101 dB; THD 0.0015%, 62 lb ..... \$4,000

# COMPACT • DISC • PLAYERS

## LHH500 CD Player

256x oversampling, dual 1-bit Bitstream converters. Favorite-track selection; track delete; auto music scan; random/shuffle play; next/previous track skip; repeat; pause and index programming; digital outputs; balanced outputs. FR 20-20,000 Hz  $\pm$  0.5 dB; dynamic range >96 dB; S/N >96 dB; THD <0.0025% at 1,000 Hz; crosstalk >96 dB ..... \$2,000

## CD-80 CD Player

4x oversampling, dual TDA-1541-A S1 Gold Crown 16-bit D/A converters. Single-beam pivoted Radiallinear laser mechanism with die-cast frame; double thickness copper tracks on the circuit boards; damped copper capacitors; four independent power supplies. 35-key remote control; auto music scan; favorite-track selection; optical and coaxial digital outputs; fixed and variable analog outputs ..... \$799

## CD-840 CD Player

1-bit Bitstream D/A converters with 256x oversampling. Favorite-track selection; rec synch and edit; optical and coaxial digital outputs; random play and programming; selectable 10- or 20-second music scan with single-key programming capability; 2-speed selectable forward and reverse music search; remote control; headphone jack with volume control ..... \$599

## CD-60 CD Player

4x oversampling, dual 16-bit D/A converters. Features Radiallinear drive mechanism; motorized volume control; digital audio output terminal; optical and coaxial digital outputs; headphone jack with volume control; favorite-track selection; auto music scan. Includes multifunction remote control ..... \$429

## CD-50 CD Player

4x oversampling, dual 16-bit D/A converters. Features Radiallinear transport. Favorite-track selection; random music playback; auto music-search preview ..... \$329

## CD-40 CD Player

4x oversampling, dual 16-bit D/A converters. CDM-4 Radiallinear composite laser mechanism; high-impact polystyrene chassis. 24-key remote control; 20-track random programming; track skip; A-B repeat; 3-in CD compatible \$279

## CD Changer

### Model 875 CD Changer

4x oversampling, 16-bit D/A converter, six-disc changer with single-disc tray. Features aluminum front, metal chassis. 40-track programming with calendar-type display; favorite-track selection; shuffle play; A-B repeat; scan play; remote volume control; headphone jack with volume control. Includes LCD remote. Optional six-disc magazine for 3-in CD's ..... \$499

## Combi-Players

### CDV-600 CD Combi-Player

1-bit Bitstream D/A converter with 256x oversampling. Plays 3- and 5-in CD's, 5-in CDV's, 8- and 12-in video discs. Features CX noise reduction; 50-button jog/shuttle infrared remote control; digital-frame memory with freeze, strobe, and picture recall; record edit feature; 5-mode repeat; random play; shuffle play; 20-chapter/track programming; auto music scan; two-speed scan; S-video output; optical digital output. Audio: frequency response 2-20,000 Hz  $\pm$  0.5 dB; signal-to-noise ratio >100 dB; dynamic range >97 dB; total harmonic distortion <0.002% at 1,000 Hz. Video: hor res 425 lines; signal-to-noise ratio 49 dB. 17 $\frac{1}{4}$  x 4 $\frac{1}{2}$  x 16 in ..... \$1,029

### CDV-487 CD Combi-Player

Plays 3- and 5-in CD's, 5-in CDV's, 8- and 12-in LD's. Features high-resolution chroma/luma processor; 10-key pad; favorite-track selection; 20-chapter/track programming; headphone jack with volume control; digital output. Includes remote control ..... \$949

### CDV-500 CD Combi-Player

1-bit Bitstream D/A converters with 256x oversampling. Plays 3- and 5-in CD's, 5-in CDV's, 8- and 12-in videodiscs. Features CX noise reduction; 43-button infrared remote control; record edit feature; 5-mode repeat capability; random play; shuffle play; 20-chapter/track programming; auto music scan; two-speed scan; S-video output; optical digital output. Audio: FR 2-20,000 Hz  $\pm$  0.5 dB; S/N >100 dB; dynamic range >97 dB; THD <0.002% at 1,000 Hz. Video: hor res 425 lines; S/N 48 dB. 17 $\frac{1}{4}$  x 4 $\frac{1}{2}$  x 16 in ..... \$829

### CDV-400 CD Combi-Player

4x oversampling, dual 16-bit D/A converters. Plays 3- and 5-in CD's, 5-in CDV's, 8- and 12-in videodiscs. Features CX noise reduction; 42-button infrared remote control; record edit feature; favorite-track selection; 5-mode repeat capability; shuffle play; 20-chapter/track programming; auto music scan; two-speed scan; random play; bilingual/one-channel sound capability; S-video output; coaxial digital output. Audio: FR 3-20,000 Hz  $\pm$  0.5 dB; signal-to-noise ratio 98 dB; dynamic range 94 dB; total harmonic distortion 0.003% at 1,000 Hz. Video: hor res 425 lines; signal-to-noise ratio 48 dB. 16 $\frac{1}{2}$  x 5 x 16 $\frac{1}{4}$  in ..... \$599

## Portable CD Player

### AZ6804 Portable CD Player

Features dynamic bass-boost circuitry. Built-in rechargeable 3-volt battery for six hours of continuous playback on single charge; AC/DC adaptor. 20-track programming; CD intro scan; next/previous track; music search with cue; disc/single track repeat and hold; headphone included; detachable shoulder strap; hard carrying case; optional wired remote ..... \$219

## PIONEER

### PD-93 CD Player

20-bit, 8x-oversampling digital filter, 20-bit dual-balanced D/A converter. Features twin-mono construction; linear motor drive; accu-focus system; integrated low-loss laser pickup; Class A FET buffer amp; isolated twin power transformers; push-pull power supply; magnetic-clamp disc stabilizer; multiresonance absorber; low-center-of-gravity pickup servo mechanism; honeycomb insulators; honeycomb chassis. Random play; index search; 3-mode repeat; 24-track programming; time location; optical and coaxial digital outputs; remote control; optional timer. Lacquer-like finish with rosewood side panel. 18 x 6 x 17 $\frac{1}{4}$  in; 38.25 lb ..... \$1,800

### PD-73 CD Player

20-bit, 8x-oversampling digital filter, 20-bit D/A converter. Features linear motor drive; accu-focus system; integrated low-loss laser pickup; Class A FET buffer amp; push-pull power supply; magnetic-clamp disc stabilizer; multiresonance absorber; low-center-of-gravity pickup servo mechanism; honeycomb insulators; honeycomb chassis. Random play; index search; 3-mode repeat; random programmed play of 24 tracks; time location; optical and coaxial digital outputs; remote control; optional timer. Lacquer-like finish with side panels in rosewood. 18 x 5 x 12 $\frac{1}{4}$  in; 20.88 lb ..... \$850

### PD-8500 CD Player

Features 20-bit, 8x-oversampling digital filter. True 20-bit dual-balanced zero-cross distortion free D/A converter; accu-focus system; low-loss laser pickup; Class A FET buffer amp; 4-part, 7-regulator power supply with bifilar transformer; antiresonance and vibration designs. Random play; index search; 3-mode repeat; 24-track programming; CD-deck synchro; music window display; time fade editing and auto program editing; digital level control and one-touch digital fader; headphone output; 20-track music calendar; optical and coaxial digital outputs; remote control; optional timer. 16 $\frac{1}{8}$  x 5 $\frac{1}{8}$  x 12 $\frac{1}{4}$  in; 17.6 lb ..... \$620

### PD-7500 CD Player

20-bit, 8x-oversampling digital filter, D/A converter with double-step noise shaping. Features low-loss pickup; antiresonance and vibration designs. Random play; index search; 3-mode repeat; 24-track programming; CD-deck synchro; music window display; time fade editing and auto program editing; digital level control and one-touch digital fader; auto space; headphone output with volume control; display dimmer; 20-track music calendar; optical digital outputs; remote control; optional timer. 16 $\frac{1}{8}$  x 4 $\frac{1}{4}$  x 12 $\frac{1}{4}$  in; 9.5 lb ..... \$450

### PD-6500 CD Player

20-bit, 8x-oversampling digital filter, D/A converter with double-step noise shaping. Features low-loss pickup; antiresonance and vibration designs. Random play; index search; 3-mode repeat; 24-track random play; direct track access; CD-deck synchro; time fade editing and auto program editing; digital level control and one-touch digital fader; auto space; headphone output with volume control; display dimmer; 20-track music calendar; optical digital outputs; remote control; optional timer. 16 $\frac{1}{8}$  x 4 $\frac{1}{4}$  x 12 $\frac{1}{4}$  in; 9.5 lb ..... \$370

### PD-5500 CD Player

20-bit, 8x-oversampling digital filter, D/A converter with digital bias. Features antiresonance and vibration designs. Random play; 5-mode repeat; 24-track programming; direct track access; CD-deck synchro; auto program editing; digital level control; headphone output with volume control; 20-track music calendar; remote control; optional timer. 16 $\frac{1}{8}$  x 4 x 10 $\frac{1}{2}$  in; 8 lb ..... \$250

### PD-4550 CD Player

20-bit, 8x-oversampling digital filter, D/A converter with digital bias. Features antiresonance and vibration designs. Random play; 5-mode repeat; 24-track programming; CD-deck synchro; auto program editing; digital level control; headphone output with volume control; 20-track music calendar; remote control; optional timer. 16 $\frac{1}{8}$  x 3 $\frac{3}{4}$  x 10 $\frac{1}{2}$  in; 8 lb ..... \$225

### PD-4500 CD Player

20-bit, 8x-oversampling digital filter, D/A converter with digital bias features antiresonance and vibration designs. Random play; 5-mode repeat; 24-track programming; CD-deck synchro; auto program editing; 20-track music calendar; remote control; optional timer. 16 $\frac{1}{8}$  x 3 $\frac{3}{4}$  x 10 $\frac{1}{2}$  in; 8 lb ..... \$220

## CD Changers

### PD-M92 CD Changer

20-bit, 8x-oversampling digital filter, 20-bit D/A converter, 6-disc magazine. Features accu-focus system; FET buffer amp; copper-plated honeycomb chassis. Multi-memory for 20 magazines; CD-deck synchro; time fade editing and auto program editing for 6 discs; digital level

# COMPACT • DISC • PLAYERS

control and one-touch digital fader; index search; 7-mode repeat; 40-track programming; delete play; 3-way random play; time location; 15-track music calendar; last-disc memory; headphone output with volume control; optical and coaxial digital outputs; remote control; optional timer. Lacquer-like finish with rosewood side panels. 18 x 4 1/4 x 13 in; 13.4 lb \$800

## PD-M730 CD Changer

20-bit, 8x-oversampling digital filter, 20-bit D/A converter, 6-disc magazine. Features accu-focus system; honeycomb chassis. Multi-memory for 20 magazines; CD-deck synchro; time fade editing and auto program editing for 6 discs; digital level control and one-touch digital fader; index search; 7-mode repeat; 40-track programming; delete play; 3-way random play; 15-track music calendar; last-disc memory; headphone output with volume control; optical digital outputs; remote control; optional timer. 16 1/2 x 4 1/4 x 12 1/2 in; 12.13 lb ..... \$600

## PD-M630 CD Changer

20-bit, 8x-oversampling digital filter, 20-bit D/A converter, 6-disc magazine. Features honeycomb chassis; multi-memory for 20 magazines; CD-deck synchro; time fade editing and auto program editing for 6 discs; digital level control and one-touch digital fader; 7-mode repeat; 32-track programming; delete play; 3-way random play; last-disc memory; headphone output with volume control; remote control; optional timer. 16 1/2 x 4 1/4 x 12 1/2 in; 10.25 lb ..... \$450

## PD-M530 CD Changer

20-bit, 8x-oversampling digital filter, 20-bit D/A converter, 6-disc magazine. Features honeycomb chassis. Digital level control and one-touch digital fader; CD-deck synchro; memory-hold function; auto power on; 6-mode repeat; 32-track programming; delete play; direct-disc/track access; 2-mode random play; headphone output with volume control; remote control; optional timer. 16 1/2 x 4 1/4 x 12 1/2 in; 10.25 lb \$335

## PD-M435 CD Changer

20-bit, 8x-oversampling digital filter, 20-bit D/A converter, 6-disc magazine. Features honeycomb chassis. Digital level control and one-touch digital fader; CD-deck synchro; memory-hold function; auto power on; 6-mode repeat; 32-track programming; delete play; direct-disc/track access; 2-mode random play; headphone output with volume control; remote control; optional timer. 16 1/2 x 3 3/4 x 12 1/2 in; 10.25 lb \$300

## PD-M430 CD Changer

20-bit, 8x-oversampling digital filter, 20-bit D/A converter, 6-disc magazine. Features honeycomb chassis. Digital level control and one-touch digital fader; time fade editing; CD-deck synchro; memory-hold function; auto power on; 6-mode repeat; 32-track programming; delete play; 2-mode random play; optional timer. 16 1/2 x 3 3/4 x 12 1/2 in; 10.25 lb ..... \$275

## Combi-Players

### CLD-92 Combi-Player

Plays all laserdisc media: LD, CD, 3-in CD, CDV. Features 20-bit, 8x-oversampling digital filter. True 20-bit zero-cross distortion-free D/A converter. 8-bit digital field memory; digital time base corrector; 3-line logical comb filter for S-video output; copper-plated honeycomb chassis; speedy alpha turn mechanism with dual-centering mechanism. Plays both sides of LD continuously; visual intro scan; picture-window filing system; digital tilt and height servo; S-video terminal; twin visual calendars; 20-chapter/track programmability; random play for CD; remote control with jog and shuttle

dial; 10-key direct access chapter/track search; auto program edit for CD. 425 line hor res; 50 dB video S/N ratio. 18 x 5 1/4 x 18 1/2 in; 28.63 lb ..... \$2,000

### CLD-3080 Combi-Player

Plays all laserdisc media: LD, CD, 3-in CD, CDV. Features 20-bit, 8x-oversampling digital filter. True 18-bit zero-cross distortion-free D/A converter. 8-bit digital field memory; digital time base corrector; 3-line logical comb filter for S-video output; honeycomb chassis; speedy alpha turn mechanism with dual-centering mechanism. Plays both sides of LD; visual intro scan; picture-window filing system; digital tilt and height servo; dynamic-extension switch for deep black color reproduction; S-video terminal; twin visual calendars; 20-chapter/track programmability; random play for CD; remote control with jog and shuttle dial; 10-key direct-access chapter/track search; auto program edit for CD. 425 line hor res; 50 dB video S/N ratio. 16 1/2 x 5 1/4 x 17 1/4 in; 28.63 lb ..... \$1,400

### CLD-2080 Combi-Player

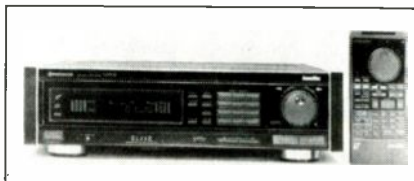
20-bit, 8x-oversampling digital filter, D/A converter with double-step noise shaping, plays CD's and videodiscs. Features Honeycomb chassis; dual-centering mechanism. Plays both sides of videodiscs; digital tilt and height servo; twin visual calendars; 24-chapter/track programmability; random play for CD; remote control for CD; 10-key direct access chapter/track search. 25 line hor res; video S/N 49 dB. 16 1/2 x 5 1/4 x 17 1/4 in; 23.75 lb ..... \$850

### CLD-1080 Combi-Player

20-bit, 8x-oversampling digital filter, D/A converter with double-step noise shaping, plays CD's and videodiscs. Features Honeycomb chassis; disc stabilizer. Digital tilt and height servo; twin visual calendars; 24-chapter/track programmability; random play for CD; remote control for CD; visual intro scan; 10-key direct access chapter/track search; 2 sets of audio/video outputs; headphone output. 425 line hor res; video S/N 48 dB. 16 1/2 x 4 1/4 x 16 1/2 in; 16.5 lb ..... \$600

### CLD-980 Combi-Player

20-bit, 8x-oversampling digital filter, dual 16-bit D/A converters, plays CD's and videodiscs. Features disc stabilizer. Digital tilt servo; 24-chapter/track programmability; remote control for CD; 10-key direct-access chapter/track search; multispeed play; still/step play; multimode repeat functions; search function; audio/video outputs. 425 line hor res; video S/N 47 dB. 16 1/2 x 4 1/4 x 16 1/2 in; 16.4 lb ..... \$500



Pioneer CLD-92

## PROCEED

### PCD CD Player

8-times oversampling, Burr-Brown 18-bit D/A converters with glitch-free current output; two electronically regulated master power supplies feeding eleven distributed power supplies. Philips CDM1 MkII transport mechanism; cast-aluminum base plate; Hall-effect motor; separate transformers for digital and analog sections to minimize grounding noise. Audio and balanced output; wireless remote control. Fre-

quency response 10-20,000 Hz +0, -0.2 dB; THD 0.004%; S/N 105 dB; ch sep 120 dB; IM 0.006%. 8 1/2 x 8 1/2 x 13 1/4 in; 27 lb ..... \$1,650

### PDT CD Transport

CD transport only, similar to the PCD CD player with no D/A converters. Digital output via RCA and XLR connectors ..... \$1,495

## PROTON

### AI-3000HS CD System

4x oversampling, AM/FM tuner, and cassette deck. Features single-beam laser; 20-track programming; bidirectional scan; 3-speed search; separated D/A converter circuitry. 16 AM/FM presets; FET RF-input stage; Dolby B NR; tape sensor; remote control; headphone jack. FR 20-20,000 Hz. 16 1/2 x 6 x 13 in ..... \$900

### AC-620 CD Player

Dual-16 bit D/A converters and programming capabilities. FR 20-20,000 Hz ±0.3 dB; THD 0.003%; S/N 100 dB. 18 1/2 x 3 1/4 x 15 1/2 in; 17.2 lb ..... \$650

## QUAD

### Quad 66 CD Player

4x oversampling D/A converters handselected for linearity/low noise. Fully remote controlled player matches other Quad 66 series components; operation from Quad 66 control panel. RCA output and coaxial digital output. FR 20-20,000 Hz ±0.1 dB; THD <0.003%; dynamic range >96 dB; ch sep >96 dB at 1,000 Hz; signal-to-noise ratio >96 dB. 12 1/4 x 3 1/4 x 10 in; 7.7 lb ..... \$1,200

## QUASAR

### LD9090 Combi-Player

8x oversampling, 18-bit D/A converter. Plays 8-in, 12-in and 5-in CDV's; 3-in and 5-in CD's. Features autoreverse; S-video output capabilities; programmed and random playback; custom index function; vibration insulators. Frequency response 4-20,000 Hz; total harmonic distortion 0.003% 1,000 Hz; signal-to-noise ratio 106 dB. 17 x 5 x 16 1/2 in; 20.3 lb ..... \$900

### CD8990 CD Changer

5-disc carousel. Features repeat play; random play; remote control with 10-key direct access and 10-key programming; 2-color FL disc and programming display; linear motor; dual-aspheric glass lens. 16 1/2 x 3 3/4 x 14 1/4 in; 8.6 lb ..... \$300

### CD8949 CD Player

4x-oversampling, dual 16-bit D/A converters. Features 20-step random-access programming; edit guide; high-speed linear access; skip/search/repeat; compatible with 3-in CD's; remote control capable. 16 1/2 x 3 3/4 x 10 1/4 in; 7.9 lb ..... \$200

### CD8930 CD Player

4x-oversampling, 2 D/A converters. Features high-speed linear access system; auto cue; synchro recording capabilities; 20-selection random-access programming; 3-in CD compatibility. 14 1/4 x 3 3/4 x 11 in; 7.5 lb ..... \$170

## Portable CD Systems

### GX90CD Portable CD System

Portable CD player with 36-step random access programming, multi-information LCD display with music-matrix indication; 10-key direct access; reverse-mode selector; 10 AM/10 FM station presets. Uses 10 D batteries. 26 1/4 x 7 1/4 x 8 1/2 in; 14.9 lb ..... \$300



# COMPACT · DISC · PLAYERS

## CD8959 Portable CD Player

4x oversampling. Features bass boost; 1-key remote; resume play; random play; LCD information display; 18-track random-access programming; repeat; skip/search; memory/recall; 3-in CD compatible. Uses 2 AA batteries. Includes remote; earphones; rechargeable NiCd AA batteries; AC adaptor/charger; connection cord. FR 20-20,000 Hz +0.5, -1.5 dB; S/N 96 dB. 5 x 1 1/8 x 5 1/4 in; 12.7 oz ..... \$230

## REALISTIC BY RADIO SHACK

### MD-1000 Combi-Player

4x oversampling. Plays 3-in and 5-in audio CD's and 8-in, 12-in videodiscs. Features digital fluorescent display with music calendar; search; intro scan; random play; repeat; still-frame functions; headphone jack with volume control; multifunction remote control. 16 1/2 x 4 3/4 x 1 1/2 in ..... \$500

### CD-3350 Portable CD Player

2x oversampling. 16-bit D/A converter. Features 3-beam laser. Automatic search; audible search; random-track programming; repeat play; pause/duo; digital display; intro scan. FR 20-20,000 Hz ± 1.4 dB; S/N 90 dB; THD 0.08%, 1,000 Hz. 5 1/8 x 1 1/4 x 6 1/2 in; 0.75 lb ..... \$240

### CD-3250 Portable CD Player

2x oversampling. 16-bit D/A converter. Features 3-beam laser. Automatic search; audible search; random-track programming; repeat play; pause/duo; digital display. FR 100-20,000 Hz ± 2 dB; S/N 80 dB; THD 0.05%, 1,000 Hz. 5 1/2 x 1 1/8 x 6 1/2 in; 1.5 lb ..... \$200

### CD-3500 Portable CD Player

2x oversampling. 16-bit D/A converter and built-in AM/FM stereo tuner. Features object-lens drive system with optical pick-up. FR 20-20,000 Hz ± 2 dB; S/N 86 dB; THD 0.05%, 1,000 Hz. 6 1/4 x 2 1/4 x 7 1/4 in; 1.5 lb ..... \$190

## REVOX

### B226-S CD Player

4x oversampling. 16-bit dual D/A converters. Features display showing track number, time remaining, time elapsed for both track and disc; fixed and variable outputs; 2 digital outputs; 19-step programming by track/index access from 1-99; audible forward/reverse search; headphone jack with adjustable level; Revox system-remote compatibility. FR 20-20,000 Hz ± 0.1 dB; S/N >100 dB; total harmonic distortion <0.005%; ch sep >90 dB; 17 1/4 x 4 1/4 x 13 in; 18 lb, 11 oz ..... \$1,975

**B126 CD Player.** As above, cosmetic differences ..... \$995

## ROTEL

### RCD-855 CD Player

4x oversampling. dual 16-bit D/A converter. Features digital filter; standard line output and digital output; servo-processor circuits; remote control; shuffle play; scan; repeat; 3-speed search; automatic CD ROM switch; CD-3 compatibility; 20 programmable selections; elapsed-time display from track start. FR 20-20,000 ± 0.05 dB; THD + noise 0.0025% at 1,000 Hz; S/N 100 dB. 17 1/2 x 3 3/8 x 13 1/8 in; 15.4 lb \$399

### CD865 BX CD Player

4x oversampling. 16-bit D/A converter. Analog-plus-digital output filtration. Fixed-line output; digital output; elapsed-time display from disc start; 20 programmable selections; repeat for entire disc and single tracks. FR 20-20,000 ± 0.05 dB; S/N 100 dB; THD 0.0025% at 1,000 Hz. 17 1/2 x 3 3/8 x 13 1/8 in; 15.4 lb ..... \$599

## SAMSUNG

### CD-20R CD Player

2x oversampling. 16-bit D/A converter. Features 15-function wireless remote; 16-track random access memory; horizontal front-loading mechanism; 3-in and 5-in CD capability; slide volume control; track selector. FR 20-20,000 Hz ± 0.6 dB; S/N >90 dB. 16 1/2 x 3 3/8 x 11 1/2 in; 11.2 lb ..... \$200

### Portable CD Systems

#### RCD-2500 Portable CD System

2x oversampling. Features AM/FM radio, double cassette deck, speakers. CD: 3-beam laser pick-up; 16-track programming; CD-3 capability. Tuner: digital tuning; 5 AM and 10 FM presets; memory scan. Cassette: high-speed dubbing; synchro-record and continuous play; Dolby B NR; metal-tape capability. 3-band graphic EQ. 4 W/ch rms at 10% THD. 26 1/4 x 8 7/8 x 6 1/4 in; 12.1 lb ..... \$360

#### RCD-800 Portable CD System

2x oversampling. Features AM/FM tuner; double cassette deck; detachable speakers. 3-beam laser pickup; 16-track programming; CD-3 capability. Cassette: high-speed dubbing; synchro-record and continuous play; Dolby B NR; metal tape capability. 3-band graphic EQ; stereo headphone jack. 4.5 W/ch rms at 10% THD. 25 1/4 x 10 x 8 1/2 in; 13.2 lb ..... \$330

#### RCD-1200 Portable CD System

Features AM/FM tuner; double cassette deck. Cassette: high-speed dubbing; synchro record and continuous play mechanism; 1-touch recording system; metal tape capabilities. CD: 16-track random-access memory; LCD display function/track/time; 3-in and 5-in CD compatibility. Headphone jack; mike mixing capability. 2.5 W/ch rms at 10% THD; S/N 85 dB. 23 1/8 x 8 1/2 x 7 1/4 in; 9.6 lb ..... \$280

#### RCD-950 Portable CD System

2x oversampling. Features AM/FM radio, cassette deck, speakers. CD: 16-track programming; CD-3 capability. Tuner: digital tuning with memory scan; 10 FM and 5 AM presets. Cassette: synchro-dubbing CD-to-tape; one-touch record; metal-tape capability; 3-band graphic EQ. 4 W/ch rms at 10% THD. 23 x 6 1/8 x 6 1/4 in; 8.4 lb ..... \$280

#### RCD-900 Portable CD System

2x oversampling. Features AM/FM radio, cassette deck, speakers. CD: 16-track programming; CD-3 capability. Tuner: FM-stereo LED indicator. Tuner: synchro-dubbing CD to tape; one-touch record; metal-tape capability. Variable tone control; loudness control. 4 W/ch rms at 10% THD. 23 x 6 1/4 x 6 1/8 in; 8.4 lb ..... \$240

### Portable CD Player

#### MY-CD2 Portable CD Player

Features forward/reverse; skip; repeat. 15 mW/ch rms at 10% THD; 120 VAC; 3.5 mm headphone jack; DC power and line-out jack .. \$150

## SANSUI

### CD Players

#### CD-X711 CD Player

Four LDCS 1-bit D/A converters with third-order noise shaping. Features FL display shutoff switch to eliminate excess noise; free-floating suspension made of 4 oil-damped coiled-spring insulators; 1 optical and 1 coaxial digital output. 20-track random programming; 20-track program calendar; random play; variable-time

music scan; auto spacing; 4-way repeat; auto music-program search; timer start; index search. Includes multifunction remote control. FR DC-200,000 Hz ± 0.3 dB; THD 0.003% at 1,000 Hz; S/N 103 dB. 17 x 5 x 15 1/4 in; 22 lb. Black finish ..... \$840

#### CD-X311 CD Player

Four LDCS 1-bit D/A converters with third-order noise shaping. Features FL display shutoff switch to eliminate excess noise; 4-sec space between programs; program edit; time edit will automatically scan disc being copied and selects music matching selected time; headphone output with volume control; 20-track music calendar; 10-key direct selector/programmer; auto music program search; music scan; coaxial digital output. Includes 28-key wireless remote control. FR 4-20,000 Hz; S/N 100 dB; THD 0.006% at 1,000 Hz. 17 x 4 x 11 in; 12 lb . \$500

#### CD-X211 CD Player

Four 1-bit MASH D/A converters. Features magnetic clamper in transport; springs and rubber cushioning support pickup assembly; single-lens laser; coaxial digital output. 20-track programming; output-level display; 4-way repeat play; program search; timer play; headphone output with level control; 27-key remote control. FR 4-20,000 Hz; S/N >100 dB; THD <0.005%. 16 1/8 x 3 3/8 x 12 1/2 in; 8.8 lbs ... \$300

#### CD-X111 CD Player

Four 1-bit MASH D/A converters. Features magnetic clamper in transport; springs and rubber cushioning support pickup assembly; single-lens laser; coaxial digital output. 16-track random-access programming; 2-speed manual search; 3-way repeat play; program search; 10-key remote control. FR 5-20,000 Hz; S/N >100 dB; THD <0.005%. Black. 16 1/8 x 3 3/8 x 10 1/4 in; 8.13lbs ..... \$270

#### CD-2700 CD Player

Four 1-bit MASH D/A converters. Features magnetic clamper in transport; springs and rubber cushioning support pickup assembly; single-lens laser. 16-track random-access programming. 3 way repeat play; program search; 3-in disc play without adaptor; 2-speed manual search. 10-key remote control. Black. 16 1/8 x 3 3/8 x 10 1/4 in; 8.13lbs ..... \$250

### CD Changer

#### CD-3100M CD Changer

4x oversampling, dual D/A converters, and 5-disc carousel. Features 30-track random-access programming; 5-way repeat play; program search; 22-key remote control; 3-in CD compatible. 16 1/2 x 4 1/2 x 14 1/4 in; 10.88 lbs ..... \$350

## SANYO

### CP860 CD Player

2x oversampling and 3-beam laser pickup. Features 3-in CD compatibility; 16-track programmability; skip; search; repeat program; calendar display. Includes 16-key wireless remote control. FR 5-20,000 Hz; THD 0.03%; FR 90 dB at 1,000 Hz; ch sep 90 dB at 1,000 Hz. .... \$170

**CP820.** As above, no remote or calendar display ..... \$160

### CD Changer

#### CPM900 CD Changer

10 disc magazine and 3-beam laser pickup. Features capacity for six full-size CD's and four 3-in CD's; 32-track programmability; 10-key touch programming; random play; repeat function; intro scan; forward/reverse search and skip; LCD multifunction display; real time

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Don't be alarmed, it's for your own good. Life's a lot less stressful when you let a Pioneer Multi-Play Cassette Changer take over.

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convenience, there's CD Synchro. This allows you to record six CDs onto six cassettes with the touch of a single button when you're connected to one of the latest Pioneer CD Changers.

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$$F_x = \frac{F_0}{L_h/L_v} \quad + = \frac{1}{5,000,000} = 0.0000002$$

$$A = \frac{47,000}{7700 + 47,000} \times 17$$

$$\rightarrow = \frac{719,000}{54,700} = 14.62$$

$$V = \sqrt{P \times R} = 0.01$$

$V_{CC} - I_C R_C - V_{CE}$   
 $I_C$   
 $I$   
 $\pi f L$

$(Z_{in}, P) \downarrow V_x$   
 $-b$



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CT-M6R Multi-Play Cassette Changer

# COMPACT • DISC • PLAYERS

counter; headphone jack with level control. FR 5-20,000 Hz; THD 0.03%; SN 103 dB at 1,000 Hz. . . . . \$280

## Portable CD Systems

### MCD950 Portable Dual CD System

CD system with 2 CD drawers, powered extended-bass sound system with passive radiator, and AM/FM tuner. Features surround-sound circuitry. Carbon-fiber speakers; 3-band graphic EQ. Dual CD section: 30-track programmability; CD-to-tape edit recording with synchro start; continuous CD play; 3-in CD compatibility; skip, search, and repeat; 10-key remote CD operation. Dual cassette section: autoreverse playback/recording (deck B), autoreverse playback (deck A); auto music select system (deck A); high-speed dubbing; continuous play; synchro-start dubbing; Dolby noise reduction. Includes 32-key remote control. CD section: FR 20-20,000 Hz; dynamic range 90 dB at 1,000 Hz; ch sep 80 dB at 1,000 Hz. . . . . \$800

### MCD650K Portable CD System

Portable CD system with top-loading horizontal CD tray, double cassette recorder, and AM/FM tuner. Features surround-sound circuitry. Carbon-fiber speakers; 4-band radio. Cassette: high-speed dubbing; 20-track programming; 3-in CD compatibility. Includes rechargeable battery pack and AC line cord. FR 20-20,000 Hz; dynamic range 85 dB at 1,000 Hz; ch sep 70 dB at 1,000 Hz. . . . . \$500

### MCD550K Portable CD System

Portable CD system with AM/FM tuner cassette recorder and remote control. Features surround-sound circuitry; carbon-fiber speakers. CD section: 16-track programming; intro scan; repeat; random play; 3-in CD compatibility. Cassette section: autoreverse recording and playback; auto music-select system; built-in quartz clock and timer. Includes AC cord. FR 20-20,000 Hz; dynamic range 88 dB at 1,000 Hz; ch sep 70 dB at 1,000 Hz. . . . . \$370

### MCD-Z30 Portable CD System

Portable CD system features remote-controlled CD player with 20-program memory, double cassette recorder with autoreverse play/record (Deck B), and AM/FM tuner. Bass-boost; 3-beam laser tracking. Repeat and bidirectional skip/search CD function; 10-key remote control (CD/vol) with motorized volume control; high-speed tape-to-tape, CD-to-tape synchronous dubbing; CD-to-tape back-skip edit recording; continuous; 3-in CD capability; LCD clock/CD display; headphone jack; AC/DC operation; requires 8 D batteries (not included) for DC operation. . . . . \$280

### MCD450K Portable CD System

Portable CD system with top-loading horizontal CD tray, cassette recorder, and 4-band radio. Features surround-sound circuitry; carbon-fiber speakers; bass boost; CD section: sixteen-track programming; one-touch synchro-start dubbing from disc to tape; 2-way CD repeat; 3-in CD compatibility. Includes AC cord. Frequency response 20-20,000 Hz; dynamic range 85 dB at 1,000 Hz; channel separation 70 dB at 1,000 Hz. . . . . \$250

### MCD-Z10 Portable CD System

Portable CD system with CD player with 20-track memory, cassette recorder, and AM/FM tuner. Bass boost; 3-beam laser tracking. Repeat and bidirectional skip/search CD function; CD to tape synchronous dubbing; 3-in CD capability; LCD clock/CD display; headphone jack; AC/DC operation; requires 8 D batteries (not included) for DC operation. . . . . \$180

## SCOTT

### DA5001 CD Changer

4x oversampling, 16-bit D/A converter, 5-disc carousel. Features 3-beam laser; 27-key remote control with memory, store, random play; 32-track memory; skip/search system; manual search; 3-way repeat playback; program selection display; CD-single ready; headphone jack with volume control. THD 0.05% at 1,000 Hz. 17 x 4½ x 15 in. . . . . \$280

### DA1000 Dual-Tray CD Player

Features 23-key wireless remote control; 32-track programming; skip/search; index search; 2-speed manual search; 3-way repeat playback; CD-3 compatibility. 17¼ x 4¾ x 11¼ in; 13 lb. . . . . \$230

### DA980 CD Player

3-beam laser and digital filter plus 3rd-order analog filter. Features 15-track programming; 21-key remote; 2-speed manual search; index search; 3-way repeat playback; CD-3 compatibility. 17¼ x 3¾ x 11½; 9 lb. . . . . \$170  
DA952. As above, no remote control. . . . . \$130

## SHARP

### CD Players

#### DX-R840BK CD Player

18-bit, 8x oversampling, dual D/A converters; 3-beam laser pickup. 23-key wireless remote control; 20-track music schedule display; direct-track selection; 20-track programming; auto program search. FR 5-20,000 Hz; SN 100 dB; dynamic range 95 dB; THD 0.005%. 17 x 3¼ x 9¼ in; 6.2 lb. . . . . \$240

#### DX-R777 CD Player

2x oversampling, 3-beam laser pickup. 10-key wireless remote control; 20-track random-access programming; auto program-search system; repeat. FR 5-20,000 Hz ± 3 dB. 17 x 3¼ x 9¼ in. . . . . \$200

#### DX-677 CD Player

2x oversampling, 3-beam laser pickup. 20-track random-access programming; auto program-search; repeat. FR 5-20,000 Hz ± 3 dB. 17 x 3¼ x 9¼ in. . . . . \$150

### CD Changers

#### DX-C5000 CD Changer

2x-oversampling, 6-disc magazine. Features 32-track random-access programming; memory back-up function; single and repeat function; FL display; auto program search; monitor search; cushioned floating mechanism; remote control. . . . . \$460

#### DX-C4000BK CD Changer

4x-oversampling, 6-disc magazine; 3-beam laser pickup. 20-magazine memory back-up; 32-step random access programming; random playback; 6-disc continuous play; 31-key remote control with numeric keypad; auto program search; 3-mode repeat play. FR 20-20,000 Hz; SN 100 dB at 1,000 Hz; dynamic range 90 dB at 1,000 Hz; ch sep 88 dB at 1,000 Hz; THD 0.008%. 17 x 4¾ x 13¾ in; 11 lb. . . . . \$390

#### DX-C3510 CD Changer

2x-oversampling, 6-disc magazine, 3-beam laser pickup. 32-step random-access programming; random playback; 6-disc continuous play; 28-key remote control; auto program search; 2-mode repeat play. FR 20-20,000 Hz; SN 95 dB at 1,000 Hz; dynamic range 88 dB at 1,000 Hz; ch sep 88 dB at 1,000 Hz; THD 0.01%. 17 x 4¼ x 13½ in; 11 lb. . . . . \$350

## Portable CD Systems

### Optonica CDX-17 Portable CD System

Portable CD player features double cassette deck with AM/FM tuner. CD: 2x-oversampling digital filter; 3-beam pickup; 20-track programming; random play; repeat play; continuous play; FR 20-20,000 Hz ± 1 dB; SN >90 dB. Tuner: 10 AM/20 FM station presets; SN 60 dB stereo; alt-ch sel 55 dB. Cassette: full-logic controls; autoreverse; one capstan; w&f 0.19% wrms; SN 62 dB Dolby B. Other features: Dolby B noise reduction; bass-boost; 20 W/ch amplifier; 35-key wireless remote control; 2 tripod-mountable speakers with FR 70-20,000 Hz; matrix surround sound; digital clock timer; 4-band graphic equalizer. . . . . \$1,000

### Optonica WQ-CD83 Portable CD System

Portable 2-drawer CD player with double cassette deck AM/FM tuner. CD: 16-bit digital filter; 3-beam pickup; 24-track random programming; random/repeat play; continuous play; FR 20-20,000 Hz. Cassette: full-logic controls; high-speed dubbing; autoreverse; one capstan; w&f 0.15% wrms; SN 60 dB Dolby B. Other features: Dolby B noise reduction; bass-boost; 3 amplifiers; wireless remote control; 2 speakers; super woofer; matrix surround sound; clock timer; 4-band graphic equalizer with LCD spectrum analyzer. . . . . \$700

### GX-CD75BK Portable CD System

Features CD player, AM/FM synthesis tuner, double cassette deck with autoreverse (tape 1), and wireless remote control. Bass boost; 3-band graphic equalizer; Dolby B NR system; 4¼-in woofer and tweeter speaker system. CD: 20-track programmable; auto program search; random play. Tuner: 20 FM/10 AM station memory presets. Cassette: deck 1 for playback; deck 2 for playback and record; CD synchronous dubbing; high-speed dubbing system. . . . . \$580

### GX-CD63 Portable CD System

Features CD player, AM/FM quartz-synthesis tuner and autoreverse cassette deck. Bass boost; 3-band graphic equalizer; loudness circuit; 4-in 2-way detachable speaker system. CD: 20-track programming; auto program search. Tuner: 20 FM/10 AM station memory presets; CD/tape synchronous dubbing. . . . . \$420

### GX-CD10BK Portable CD System

Features CD player, AM/FM synthesis tuner and double cassette deck. Bass boost; 3-band graphic equalizer; 4-in woofer and tweeter speaker system. CD: 20-track programmable music selector; random play; auto program search; Cassette: deck 1 for playback; deck 2 for playback and record; continuous play; CD synchronous dubbing; high-speed dubbing system; CD output jack. . . . . \$360

### GX-CD56 Portable CD System

Features CD player, AM/FM quartz-synthesis tuner and cassette deck. Bass boost; 3-band graphic equalizer; 4-in 2-way detachable speaker system. CD: 20-track programming; auto program search; random and repeat play. Cassette: CD/tape dubbing; CD output jack. . . . . \$300

### QT-CD26 Portable CD System

Features CD player, AM/FM quartz-synthesis tuner and cassette deck. Bass boost; 3-band graphic equalizer; 4-in woofer and tweeter speaker system. CD: 20-track programming; auto program search; CD output jack. . . . . \$250

## SHERWOOD

### CD-1192R CD Player

8x oversampling, dual 18-bit D/A converter.

# COMPACT • DISC • PLAYERS

Features 16-track programming; random play; disc/track elapsed-time display; 4-way repeat; headphone jack with level control; numerical keys for direct search; can insert extra space between tracks for auto-search-capable recordings; standalone remote or Digi-Link remote control. Frequency response 2-20,000 Hz  $\pm$  0.5 dB; S/N > 110 dB; THD 0.0024%. 17 $\frac{1}{2}$  x 2 $\frac{1}{2}$  x 10 $\frac{1}{4}$  in; 11 lbs ..... \$329

## CD-1182R CD Player

8x oversampling, 16-bit D/A converter. Features 16-track programming; random play; disc/track elapsed-time display; 4-way repeat; headphone jack with level control; Digi-Link remote control. FR 2-20,000 Hz  $\pm$  0.5 dB; S/N > 95 dB; THD 0.004%. 11 lb ..... \$299

## CD-1160R CD Player

2x oversampling, 16-bit D/A converter, and 3-beam laser pickup. Features motorized touch-sensitive disc loading; Digi-Link remote capability; 20-track programming; multifunction LCD display; auto-space; 4-way repeat; random play. FR 20-20,000 Hz  $\pm$  0.5 dB; signal-to-noise ratio > 90 dB; total harmonic distortion < 0.005%. 2 $\frac{1}{2}$  x 17 $\frac{1}{2}$  x 10 $\frac{1}{4}$  in ..... \$249

## CD-1180C CD Player

8x oversampling, 16-bit D/A converter. Features 16-track programming; random play; disc/track elapsed-time display; 4-way repeat; headphone jack with level control; Digi-Link remote compatible. FR 2-20,000 Hz  $\pm$  0.5 dB; S/N > 95 dB; THD 0.004%. 10.7 lb ..... \$269

## CD-1060C CD Player

4x oversampling, 16-bit D/A converter. Features 16-track programming; disc/track elapsed-time display; 4-way repeat; headphone jack. Digi-Link remote compatible. FR 2-20,000 Hz  $\pm$  0.5 dB; S/N > 93 dB; THD 0.07%. 10.7 lb ..... \$229

## CD Changer

### CDM-1260R CD Changer

4x oversampling, 16-bit D/A converter, 6-disc magazine. 32-track programming; disc/track elapsed-time display; 4-way repeat; remote control. FR 2-20,000 Hz  $\pm$  0.5 dB; S/N 91 dB; THD 0.001% ..... \$349

## SONOGRAPHIE BY CONRAD-JOHNSON

### SD-1B CD Player

4x oversampling, dual D/A converters. Features discrete FET audio circuits and power supplies; 20-track skip forward/skip back; fast forward/fast reverse; repeat disc, program; headphone jack; audible sound during fast scan. Cues by track and index number. Displays current track number, program in memory, elapsed time of current track. 18 x 3 $\frac{3}{4}$  x 12 in; 8.5 lb ..... \$795

## SONY

### CD Players

#### CDP-990 CD Player

16x oversampling, four 18-bit D/A converters. Features noise shaping; digital sync; servo stabilizer; remote control; 20-track calendar; repeat play; shuffle play; variable line output; headphones with volume; optical digital output. FR 2-20,000 Hz  $\pm$  5 dB; S/N 110 dB; distortion 0.003%. 17 x 4 $\frac{1}{2}$  x 11 in; 11.1 lb ..... \$470

#### CDP-790 CD Player

8x oversampling, dual 18-bit D/A converters. Features noise shaping; digital sync; servo stabilizer; remote control; 20-track music calendar; repeat play; shuffle play; variable line

output; headphones with volume; optical digital output. FR 2-20,000 Hz  $\pm$  5 dB; S/N 104 dB; distortion 0.003%. 17 x 4 $\frac{1}{4}$  x 11 in; 8.1 lb. \$295

#### CDP-690 CD Player

8x oversampling, dual 18-bit D/A converters. Features noise shaping; servo stabilizer; remote control; 20-track music calendar; repeat play; shuffle play; headphones with volume; optical digital output. FR 2-20,000 Hz  $\pm$  5 dB; S/N 102 dB; distortion 0.005%. 17 x 4 x 11 in; 8 lb ..... \$280

#### CDP-590 CD Player

8x oversampling, dual 16-bit D/A converters. Features noise shaping; servo stabilizer; remote control; 20-track music calendar; repeat play; shuffle play; headphones with volume. FR 2-20,000 Hz  $\pm$  5 dB; S/N 100 dB; distortion 0.008%. 17 x 4 x 11 in; 7.1 lb ..... \$225

#### CDP-390 CD Player

4x oversampling, dual 16-bit D/A converters. Features servo stabilizer; remote control; repeat play; shuffle play; headphones with volume. FR 2-20,000 Hz  $\pm$  1 dB; S/N 93 dB; distortion 0.05%. 17 x 4 x 11 in; 6.1 lb ..... \$190

#### CDP-290 CD Player

4x oversampling, dual 16-bit D/A converters. Features servo stabilizer; repeat play; shuffle play; headphones with volume. FR 2-20,000 Hz  $\pm$  1 dB; S/N 93 dB; distortion 0.05%. 17 x 4 x 11 in; 6.1 lb ..... \$165

### ES Series

#### CDP-RI CD Player and DAS-RI D/A Converter

45-bit, 8x oversampling digital filter, 16-bit D/A converter. Features twin optical link between components; optical and coaxial digital outputs; noise shaping; servo stabilizer; frame and beam construction; linear motor; aluminum die-cast optical transport base; left/right-mono circuit configuration; multistage power supply; remote control; high-speed search; index search; shuffle play; delete option; 5 repeat modes. Player: 18 $\frac{1}{2}$  x 5 x 16 $\frac{1}{4}$  in; 37.7 lb; Converter: 18 $\frac{1}{2}$  x 5 x 16 $\frac{1}{4}$  in; 37.7 lb .. \$8,000

#### CDP-X77ES CD Player

45-bit, 8x oversampling digital filter. Features optical and coaxial digital outputs; noise shaping; digital sync; servo stabilizer; linear drive; 20-track programming; repeat play; shuffle play; direct access; index search; fader; remote control. FR 2-20,000 Hz  $\pm$  0.3 dB; S/N 117 dB; distortion 0.0015%. 18 $\frac{1}{2}$  x 5 x 14 $\frac{1}{4}$  in. 37.6 lb ..... \$1,700

#### CDP-X55ES CD Player

45-bit, 8x oversampling digital filter. Features optical digital output; noise shaping; digital sync; servo stabilizer; linear drive; 24-track programming; repeat play; shuffle play; direct access; index search; peak-level search; auto space; fader; remote control; 20-track music calendar. FR 2-20,000 Hz  $\pm$  0.3 dB; S/N 115 dB; distortion 0.0018%. 18 $\frac{1}{2}$  x 5 x 14 $\frac{1}{4}$  in; 27.7 lb ..... \$900

#### CDP-X33ES CD Player

8x oversampling, 18-bit D/A converter. Features optical digital output; noise shaping; digital sync; servo stabilizer; linear drive; 24-track programming; repeat play; shuffle play; direct access; index search; peak-level search; auto space; fader; remote control; 20-track music calendar. FR 2-20,000 Hz  $\pm$  0.3 dB; S/N 113 dB; distortion 0.002%. 17 x 5 x 14 $\frac{1}{4}$  in; 24.3 lb \$580

#### CDP-209ES CD Player

8x oversampling, 18-bit D/A converter. Features

optical digital output; noise shaping; servo stabilizer; 24-track programming; repeat play; shuffle play; direct-access; index search; peak-level search; auto space; fader; remote control; 20-track music calendar. FR 2-20,000 Hz  $\pm$  0.3 dB; S/N 110 dB; distortion 0.003%. 17 x 4 $\frac{1}{2}$  x 11 $\frac{1}{4}$  in; 10 lb ..... \$320

### CD Changers

#### CDP-C900 CD Changer

8x oversampling, dual 16-bit D/A converters, 10-disc magazine. Features DiscJockey cartridge-loading system, usable in car CD changers; noise shaping; servo stabilizer; optical digital output; 10-key direct access playback; shuffle play; repeat play; search; 32-track programming; multifunction remote control. 17 x 4 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in; 14.2 lb ..... \$470

#### CDP-C705 CD Changer

8x oversampling, dual 18-bit D/A converters, 10-disc magazine. Features noise shaping; servo stabilizer; remote control; custom file; shuffle play; repeat play; variable line out; 5-disc/20-track direct access; headphones with volume control. FR 2-20,000 Hz  $\pm$  0.3 dB; S/N 105 dB; distortion 0.0035%. 17 x 4 $\frac{1}{4}$  x 15 in; 13 lb \$380

#### CDP-C505 CD Changer

8x oversampling, dual 16-bit D/A converters, 5-disc carousel. Features DiscJockey cartridge-loading system; noise shaping; servo stabilizer; remote control; shuffle play; repeat play; headphones with volume control. FR 2-20,000 Hz  $\pm$  0.5 dB; S/N 100 dB; distortion: 0.01%. 17 x 4 $\frac{1}{4}$  x 15 in; 13 lb ..... \$320

### ES Series Changers

#### CDP-C9ESD CD Changer

8x oversampling, dual 18-bit D/A converters, 10-disc magazine. Features DiscJockey cartridge-loading system; optical digital outputs; servo stabilizer; 10-disc/10-track direct-access remote control; 32-selection random music sensor, automatic music sensor; shuffle play; 4 repeat modes; music calendar. 17 x 4 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in; 14.2 lb ..... \$500

#### CDP-C85ES CD Changer

8x oversampling, 18-bit D/A converter, 5-disc carousel. Features optical digital outputs; noise shaping; digital sync; servo stabilizer; custom file; 32-track programming; repeat play; shuffle play; direct access; peak-level search; fader; remote control; music calendar. FR 2-20,000 Hz  $\pm$  0.3 dB; S/N 110 dB; distortion 0.0025%. 18 $\frac{1}{2}$  x 5 x 15 $\frac{1}{4}$  in; 18 lb ..... \$500

#### CDP-C75ES CD Changer

8x oversampling, 18-bit D/A converter, 5-disc carousel. Features optical digital outputs; noise shaping; digital sync; servo stabilizer; custom file; 32-track programming; repeat play; shuffle play; direct access; peak-level search; fader; remote control; music calendar. FR 2-20,000 Hz  $\pm$  0.3 dB; S/N 110 dB; distortion 0.003%. 17 $\frac{1}{2}$  x 5 x 15 $\frac{1}{4}$  in; 15.6 lb ..... \$400

### Portable CD Players

#### D-555 Portable CD Player

8x-oversampling digital filter and dual 18-bit D/A converters. Features digital operation of the following: 5-band graphic EQ; dynamic-range compression; surround-sound processing; bass boost. 22-track programming; 5-way repeat; random play; intro scan; digital optical output; LCD display. Optional remote available; AC/DC power adaptor and rechargeable battery. FR 20-20,000 Hz; THD < 0.007%; S/N 90 dB. 5 x 1 $\frac{1}{2}$  x 5 $\frac{1}{2}$  in ..... \$450

# COMPACT • DISC • PLAYERS

## D-35 Portable CD Player

8x-oversampling digital filter and dual 18-bit D/A converters. Features music-calendar display; 22-track programming; 5-way repeat; random play; intro scan; LCD display; remote control. AC/DC power adaptor and rechargeable battery. 5 x 1 x 5½ in ..... \$400

## D-25 Portable CD Player

4x oversampling, 16-bit D/A converter. Features 22-track random music programming; 5-way repeat; music search; key-hold switch; LCD display. Includes remote, stereo headphones, adaptor, rechargeable battery, line-out cord, carrying case, and strap ..... \$360

## D-T66 Portable CD Player/Tuner

8x oversampling, dual D/A converters; AM/FM tuner with 20 presets. Features 22-track random music programming; 5-way repeat; music search. Includes headphones, adaptor, rechargeable battery. 5 x 1¾ x 5½ in ..... \$330

## D-9 Portable CD Player

2x oversampling and 16-bit D/A converter, bass-boost. Features 22-track random sampling; 5-way repeat; music search; wireless remote; key-hold switch; back-lighted LCD display; auto-tracking recovery. Includes AC adaptor, rechargeable battery, line-out cord, carrying case, and strap ..... \$250

## D-T2 Portable CD Player/Tuner

2x oversampling, dual 16-bit D/A converter, and AM/FM tuner. Features 3-way repeat; high-speed music search; key-hold switch; LCD readout. Includes AC adaptor, line-out cord, and carry belt ..... \$250

## D-66 Portable CD Player

8x-oversampling digital filter and dual D/A converters. Features 22-track programming; 5-way repeat; random play; LCD display. AC/DC power adaptor and rechargeable battery. 5 x 1¾ x 5½ in ..... \$230

## D-12 Portable CD Player

Oversampling digital filter and dual D/A converters. Features 3-way repeat; bass boost; random play; LCD display. Includes headphones. 5½ x 1½ x 6 in ..... \$230

## D-2 Portable CD Player

2x oversampling, 16-bit D/A linear converter. Features 3-way repeat; high-speed music search; key-hold switch; LCD display showing track number and elapsed time. Includes AC adaptor, line-out cord, and carry belt .... \$200

## D-11 Portable CD Player

Oversampling digital filter, dual D/A converters. Features 3-way repeat; bass boost; LCD display. Includes headphones. 5½ x 1½ x 5¼ in .. \$180

## Portable CD Systems

### CFD-770 Portable CD System

Portable CD player with AM/FM tuner and dual cassette deck. Features Dolby B NR; 20-track programming; shuffle play; calendar display; CD tape-edit function; repeat play; cue and review; 20-AM/FM presets; 3-band graphic equalizer; detachable 2-way speakers. Includes AC power cord; remote control. Uses 8 D batteries. 27 x 9¾ x 9¾ in; 24 lb ..... \$500

### CFD-760 Portable CD System

Portable CD player with AM/FM tuner and dual cassette deck. Features 20-track programming; shuffle play; calendar display; CD tape-edit function; repeat play; cue and review; 20-AM/FM presets; 3-band graphic equalizer; detachable 2-way speakers. Includes AC power cord; remote

control. Uses 8 D batteries. 27½ x 9¾ x 9¾ in; 18 lb ..... \$400

### CFD-750 Portable CD System

Portable CD player with AM/FM tuner and dual cassette deck. Features 20-track programming; calendar display; CD tape-edit function; repeat play; cue and review; 20-AM/FM presets; 3-band graphic equalizer; detachable 2-way speakers. Includes AC power cord. Uses 8 D batteries. 27½ x 9¾ x 9¾ in; 18 lb ..... \$350

### CFD-454 Portable CD System

Portable CD player with AM/FM tuner and cassette deck. Features cassette recording and playback; automatic music sensor; shuffle play; repeat play; cue and review; 5-band graphic equalizer; detachable 2-way speakers; stereo headphone and CD output jacks; input jack. Includes AC power cord. Uses 8 D batteries. 26¾ x 11¾ x 7½ in; 16 lb, 12 oz ..... \$280

### CFD-455 Portable CD System

Portable CD player with AM/FM tuner and cassette deck. Features auto music sensor; random play; repeat play; cue and review; 5-band EQ; detachable 2-way speakers; headphone and CD outputs; input. Includes remote control and AC cord. Operates on 8 D batteries ..... \$230

### CFD-68 Portable CD System

Portable CD player, AM/FM tuner, and autoreverse cassette deck with search. Features repeat play; dual 4-in speakers; CD output. Includes AC cord. Operates on 8 D batteries. 23½ x 7 x 7¾ in; 10.1 lb ..... \$230

### CFD-60 Portable CD System

Portable CD player with AM/FM tuner and cassette deck. Features search; repeat play; cue and review on cassette deck; dual 4-in speakers; headphone and CD output jacks. Includes AC power cord. Uses 8 D batteries. 23¼ x 7 x 7¾ in; 10.1 lb ..... \$220

### CFD-50 Portable CD System

Portable CD player with AM/FM tuner and cassette deck. Features search; repeat play; cue and review on cassette deck; dual 4-in speakers; headphone jacks. Includes AC power cord. Uses 8 D batteries. 23¼ x 7 x 7¾ in; 10.1 lb ..... \$200

## SOUND ENGINEERING

### PFM-IR CD Player

CD player with Enhanced Resolution Decoding System. Features wireless remote control; DC output. .... \$1,250

### PFM-IM CD Player

CD player with Enhanced Resolution Decoding System. Features DC output; favorite-track memory ..... \$1,100

## SYLVANIA

### CDI552 Carousel CD Changer

4x oversampling, dual 16-bit D/A converter, 5-disc carousel. 15-key infrared remote control; 4 disc changeable during play; 50-track programmability; shuffle play; 3-speed cue/review; 3-in CD compatible. FR 2-20,000 Hz ± 0.5 dB; S/N 100 dB; dynamic range 90 dB; THD 0.015% at 1,000 Hz; IM 76 dB. 16½ x 4½ x 15 in .... \$300

### CDI502 CD Player

4x oversampling, dual 16-bit D/A converter. Pivoting laser scanning assembly. 15-key infrared remote control; 20-track programmability; shuffle play; 3-speed cue/review; 3-in CD compatible; headphone jack. FR 2-20,000 Hz ± 0.5 dB; S/N 95 dB; dynamic range 92 dB; THD

0.015% at 1,000 Hz; IM 76 dB. 16½ x 4 x 11 in ..... \$180

## TEAC

### CD Players

#### AD-3 CD/Cassette Player

CD section features 16-bit 4x oversampling; 16-bit dual D/A converter; 3-beam laser pickup; 16-track random-memory programming; 3-way repeat; wireless remote control. FR 2-20,000 Hz (chrome); S/N 94 dB at 1,000 Hz; THD 0.01%. Cassette section features bidirectional autoreverse rec/playback; Dolby HX Pro; Dolby B NR; 2-color LED; sync dubbing; timer rec/play; function selector (Tape/CD). w&F 0.08% wrms; frequency response 30-15,000 Hz (chrome); signal-to-noise ratio 65 dB at 5,000 Hz (Dolby B). 17¼ x 5 x 10¼ in; 10.8 lb ..... \$400

#### AD-1 CD/Cassette Player

CD section features 3-beam laser pickup; 16-track random-memory programming; 3-way repeat. FR 2-20,000 Hz (chrome); S/N 92 dB at 1,000 Hz; THD 0.02%. Cassette section features one-way rec/playback; Dolby B NR; 2-color LED; sync dubbing; auto stop mechanism; metal-tape compatibility; function selector (tape/CD). w&F 0.09% wrms; FR 30-15,000 Hz (chrome); S/N 65 dB at 5,000 Hz (Dolby B). 17¼ x 5 x 10¼ in; 10.8 lb ..... \$300

#### PD-P7 Portable CD Player

2x oversampling. Features 3-beam laser tracking; 16-track programming; 2-way repeat; LCD display; 3-in CD compatible; 3-way power source; AC adaptor; battery case. FR 20-20,000 Hz ± 0.5 dB; distortion 0.01; dynamic range 84 dB. 5 x 1¾ x 5¾ in; 1.4 lb ..... \$270

#### PD-365 CD Player

4x oversampling, 16-bit dual D/A converter. Features 3-beam laser pickup; 4-digit LED display; 16-selection random memory programming; 2-way repeat; remote control. FR 20-20,000 Hz ± 1 dB; THD 0.005% at 1 KHz; dynamic range 92 dB; S/N 105 dB. 17¼ x 3¾ x 11½ in; 7¾ lb ..... \$250

PD-265. As above, 4x oversampling. FR 5-20,000 Hz ± 1 dB; THD 0.005% at 1,000 Hz; dynamic range 92 dB; S/N 90 dB. 17¼ x 3¾ x 10¾ in; 7 lb ..... \$230

### CD Changers

#### PD-700M CD Changer

4x oversampling, dual D/A converters, 6-disc magazine. 3-beam laser pickup. Features 32-track multidisc random playback; multifunction fluorescent display; 3-way repeat; front-loading disc cartridge. Includes 10-key remote control. FR 5-20,000 Hz ± 1 dB; S/N 93 dB; THD 0.01% at 1,000 Hz. 17¼ x 4 x 13¼ in; 11.4 lb ..... \$370

#### PD-C400 CD Changer

18-bit, 4x oversampling filter, 16-bit dual D/A converters, 5-disc carousel. 3-beam laser pickup. Features 32-track multidisc random playback; 3-way repeat; multifunction fluorescent display. Includes 10-key remote control. FR 20-20,000 Hz ± 1 dB; S/N 96 dB; THD 0.07% at 1,000 Hz. 17¼ x 4¼ x 13¾ in; 9.25 lb ..... \$320

PD-C350. As above but with no 10-key remote control ..... \$280

## TECHNICS

### CD Players

#### SL-Z1000 CD Transport

CD transport with antivibration/resonance de-

# COMPACT • DISC • PLAYERS

sign and construction. Features 4-point floating optical disc; magnetic-guide antivibration linear motor transport; 2-mm-thick steel chassis; 2-mm-steel plate base; 3-mm-thick aluminum top; 8-mm aluminum extruded side panels; high-torque brushless direct-drive spindle motor; 3-in CD compatibility; speed-controlled soft loading; 2-way optical digital output. Sampling frequency 44.1 kHz. 19 x 5½ x 16½ in; 44.1 lb ..... \$4,500  
**SH-X1000 Signal Processor.** For the above. Features 8 MASH/D/A converters. 55 x 19 x 16 in; 44.1 lb ..... \$4,500

**SL-P1300 CD Player**  
 8x oversampling, four MASH/D/A converters. Features separate digital and analog power supplies; high-speed linear-motor access system. 10-button keypad; auto-cue; A/B repeat; ±8% pitch control; optical and coaxial digital outputs; 2-speed search dial; audible pause; rocker switch for mixing; cueing by CD time code; balanced outputs; skip keys; 2-speed audible search; repeat track, disc, and program; headphone jack with level control; line out via unbalanced (phono) pin connectors; subcode output; cue search; remote control. 16¾ x 6¾ x 14¾ in ..... \$1,800

**SL-P1200 CD Player**  
 2x oversampling, dual D/A converters. Features 9th-order low-pass analog filter; 1-beam laser; high-speed rocker control for momentary advance or retard; quartz-locked pitch control (±8%); 2-speed cueing; rear-panel remote jack for mixer; auto cue to first note of desired track; FL display; locates track start in <1 sec; subcode output; skip forward/skip backward; fast forward/reverse; audible sound during fast scan; repeat track, disc, program; 20-track programming; headphone jack with level control; cues by track number, index number, time; track, time, and program displays; remote control. 17 x 7 x 15 in; 22 lb ..... \$1,500

**SL-PS70 CD Player**  
 Eight 1-bit MASH/D/A converters. Features optical digital output; linear motor transport; just time edit; synchro editing; auto fader; peak-level search; random play; auto cue; FL display with music matrix. FR 2-20,000 Hz ±0.3 dB; THD 0.003%; S/N 112 dB. 17 x 5 x 13¾ in; 11.4 lb ..... \$450

**SL-PS50 CD Player**  
 Four 1-bit MASH/D/A converters. Features multi-stage noise shaping; antivibration/resonance construction; linear motor transport; optical digital output; edit guide; just time edit; synchro editing; peak level search; skip/search keys; remote control with digital attenuator. FR 2-20,000 Hz ±0.5 dB; THD 0.003%; S/N 103 dB. 17 x 4½ x 13¾ in; 9.9 lb ..... \$330

**SL-P370 CD Player**  
 Four 1-bit MASH/D/A converters. Features multi-stage noise shaping; dual-aspheric glass lens; linear motor transport; synchro editing; auto cue; FL display with music matrix; 10-key direct-access remote control. FR 2-20,000 Hz ±1 dB; THD 0.005%; S/N 96 dB. 17 x 3½ x 7½ in; 7.7 lb ..... \$200

**SL-P170 CD Player**  
 Four 1-bit MASH/D/A converters. Features multi-stage noise shaping; dual-aspheric glass lens; linear motor transport; multifunction fluorescent display with music matrix; auto cue; random-access programming; search; time mode selector; repeat selector. Frequency response 2-20,000 Hz ±1 dB; total harmonic distortion 0.005%; signal-to-noise ratio 96 dB. 17 x 3½ x 7¼ in; 7.7 lb ..... \$180

## CD Changers

**SL-PC45 CD Changer**  
 Four 1-bit MASH/D/A converters, 5-disc carousel. Features sequential play and repeat; direct disc access; 32-track random-access programming; random play; edit guide; auto link; linear motor transport; 25-key direct access remote control. FR 2-20,000 Hz ±1 dB; THD 0.005%; S/N 96 dB. 17 x 4¾ x 14¼ in; 10.8 lb ..... \$330

**SL-PC33 CD Changer**  
 Four 1-bit MASH/D/A converters, 5-disc carousel. Features dual-aspheric glass lens; linear motor transport; sequential play and repeat; direct-disc access; 32-track random-access programming; random play; edit guide; auto link; 25-key wireless remote control. FR 2-20,000 Hz ±1 dB; THD 0.005%; S/N 96 dB. 17 x 4 x 14¾ in; 13.2 lb ..... \$300

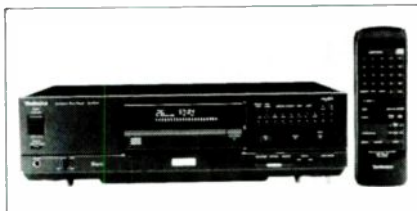
**SL-PC25 CD Changer**  
 Four 1-bit MASH/D/A converters, 5-disc carousel. Features dual-aspheric glass lens; linear motor transport; sequential play and repeat; direct-drive access; 32-track random access programming; random play; edit guide; auto link; 25-key wireless remote control. FR 2-20,000 Hz ±1 dB; THD 0.005%; S/N 96 dB. 17 x 4¼ x 14¼ in; 9 lb ..... \$260

**SL-PC15 CD Changer**  
 Four 1-bit MASH/D/A converters, 5-disc carousel. Features dual-aspheric glass; linear motor transport; sequential play and repeat; direct disc access; 32-track random access programming; random play; edit guide; auto link. FR 2-20,000 Hz ±1 dB; THD 0.005%; S/N 96 dB. 17 x 3¾ x 11½ in; 8.6 lb ..... \$230

## Portable CD Players

**SL-XP6 Portable CD Player**  
 4x oversampling. Features normal, resume, and random play mode; skip keys; memory key; 18-step random-access programming; AC adaptor; auto power-off after 5 minutes; headphone jack with level control; repeat; search; line-out jack; LCD display. 1 x 5 x 5 in; 13.4 oz ..... \$380

**SL-XP2 Portable CD Player**  
 4x oversampling, dual 16-bit D/A converters. Features dual-aspheric glass lens; direct-drive spindle motor. XBS bass boost; resume play; random play; LCD display; 18-track random-access programming; auto power-off; repeat key; skip/search keys; memory recall key; line out terminal; 3-in CD compatibility. Powered by internal NiCd rechargeable batteries or AA batteries. Includes multifunction 1-key remote control, earphones, rechargeable NiCd AA batteries, AC adaptor/recharger. S/N 88 dB. 5 x 1½ x 5¼ in; 13.8 oz ..... \$250



Technics SL-PS70

## TOSHIBA

### Portable CD Players

**XR-9459 Portable CD Player**  
 4x oversampling and digital surround sound.

Features 3-beam laser pickup; rechargeable battery; wireless remote; 16-track programming; headphone jack with volume; wired remote; carry case ..... \$399

**XR-9437 Portable CD Player**  
 Compact CD player with AM/FM stereo. 9 FM/5 AM presets; 3-beam laser pickup; 16-track random memory w/repeat; quick-program select; uses 4 AA batteries or rechargeable NiCd. \$350

## Portable CD Systems

**RT-8089 Portable CD System**  
 Portable CD player with dual cassette deck, tuner, and speakers. CD section features 16-track programming; search and skip; CD line output. Cassette section features AM/FM stereo. Deck features autoreverse ..... \$350

**RT-8069 Portable CD System**  
 Portable CD player with cassette deck, tuner, and speakers. CD section features 16-track programming; CD line output. Deck features microphone jack; input line; metal/high-bias/normal switch. 3-band graphic EQ; balance control ..... \$299

## VECTOR RESEARCH

**VCD-420R CD Player**  
 4x oversampling, dual D/A converter. Music calender; 3-in CD compatible; 5-way repeat; shuffle play; 28-function remote control. FR 20-20,000 Hz ±0.5 dB; S/N >100 dB; THD <0.004%; ch sep >90 dB; dynamic range >95 dB. 17 x 3¼ x 12 in; 10 lb ..... \$300

**VCD-410R CD Player**  
 8x oversampling, dual 18-bit D/A converter. 3-in CD compatible; 4-way repeat; 15-function remote control. FR 20-20,000 Hz ±0.5 dB; S/N >100 dB; THD >0.004%; ch sep >90 dB; dynamic range >95 dB. 17 x 3¼ x 12 in; 10 lb ..... \$260

## CD Changers

**VCD-628R CD Changer**  
 8x oversampling, dual D/A converter, digital filter, and 6-disc magazine. Shuffle play; audible cue and review; 4-way repeat; 18-function remote control. FR 20-20,000 Hz ±0.5 dB; S/N >96 dB; THD <0.009%; ch sep >86 dB; dynamic range >92 dB. 17 x 4¾ x 12¾ in; 13 lb ..... \$350

## WADIA DIGITAL

**WT-2000 CD Transport**  
 Features glass-fiber-optic connections; proprietary circuitry; stabilizer clamp; floating suspension system, shielded power supply; glass and plastic fiber-optic/coaxial outputs ..... \$5,595

**WT-3200 CD Transport**  
 Features glass fiber-optic connections; proprietary circuitry; glass and plastic fiber-optic/coaxial outputs ..... \$1,995

## YAMAHA

### CD Players

**CDX-2020 CD Player**  
 8x oversampling MSB D/A converters for 22-bit linearity. Features direct output; digital de-emphasis circuitry; current isolation system; shunt-regulated power supplies and independent transformers; heavy-duty chassis with pinpoint damping system; high-speed linear motor; floating suspension system; glass-lens 3-beam laser pickup with built-in head amplifier in die-cast aluminum chassis. 20-bit digital volume

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control; optical and coaxial digital outputs; 3-in CD compatibility; 5-way repeat; 24-track programming; direct-track access; 3-way music search; index search; calendar display; random play; gold-plated terminals; RS integrated system remote control compatibility. Includes 46-key wireless remote control. Titanium finish with wood sidepanels. 39 lb ..... \$1,499

**CDX-1120Ti CD Player**

8x-oversampling 20-bit digital filter, D/A converters for 22-bit linearity. Features direct output; 20-bit digital volume control; digital de-emphasis circuitry; optical and coaxial digital outputs; current isolation system; shunt-regulated power supplies and independent transformers; heavy-duty chassis with pinpoint damping system; high-speed linear motor. 3-in CD single compatibility; 5-way repeat play (full/random/single/A-B/program); 24-track programming; 3-way music search; index search; calendar display; random play; gold-plated terminals; RS integrated system remote-control compatibility; 46 key wireless remote-control; titanium finish ..... \$1,199  
CDX-1120. As above, black ..... \$1,199

**CDX-920Ti CD Player**

8x-oversampling 18-bit digital filter, D/A converters for 22-bit linearity. Features direct output; digital de-emphasis circuitry; current isolation system; heavy-duty chassis with ball-point damping system; glass-lens 3-beam laser pickup with built-in head amp in die-cast-aluminum chassis. 20-bit digital volume control; optical and coaxial digital output; auto/manual tape edit program; 3-in CD compatibility; 5-way repeat play; 24-track programming; direct track access; 3-way music search; index search; calendar display; random play; gold-plated terminals; RS integrated system remote control compatibility. Includes 47-key wireless remote control. Titanium finish. 22 lb ..... \$749  
CDX-920. As above, black ..... \$699

**CDX-1030Ti CD Player**

1-bit D/A converter featuring Yamaha S-bit technology. 3rd-order noise shaping; Class A audio amplifiers; independent audio circuit boards; large-capacity power transformer; low-pass filter; optical and coaxial digital outputs; remote digital volume control (headphones and line out); high-speed linear feed motor; double one-point damping system. 43-mode program play; program file with file-save indicator and memory backup; 5-mode repeat play; 25-track programming; index search; random play; auto space insert; multimode timer playback; 3-way music search; 3-in CD compatible; calendar display; front-panel headphone jack; RS integrated system remote control with 34 keys; titanium finish ..... \$699  
CDX-1030. As above, black ..... \$699

**CDX-930Ti CD Player**

1-bit D/A converter featuring Yamaha S-bit technology. 3rd-order noise shaping; large-capacity power transformer; active low-pass filter; optical and coaxial digital outputs; remote digital volume control (headphones and line out); high-speed linear feed motor; one-point damping system. Program file with file-save indicator and memory backup; 5-mode repeat play; 25-track programming; index search; random play; auto space insert; multimode timer playback; 3-way music search; 3-in CD compatible; calendar display function; front-panel headphone jack; RS integrated system remote control with 34 keys; titanium finish ..... \$549  
CDX-930. As above, black ..... \$549

**CDX-730Ti CD Player**

8x-oversampling with noise shaping, dual 18-bit

D/A converters. Features 18-bit data output from digital filter; optical digital output. 3-mode program play; tape-edit function; program file; 4-way repeat; 25-track programming; calendar display; 3-way music search; front-panel headphone jack with level control; RS integrated system compatible; 30-key wireless remote control; titanium finish ..... \$349  
CDX-730. As above, black ..... \$349

**CDX-530Ti CD Player**

8x-oversampling dual 18-bit D/A converters. Features 18-bit data output from digital filter; 3-mode program play; tape-edit function; 4-way repeat; 25-track programming; calendar display; 3-way music search; front-panel headphone jack; RS integrated system compatible; 20-key wireless remote; titanium finish .. \$279  
CDX-530. As above, black ..... \$279

**CD Changers & Combi-Players**

**CDV-1700Ti Combi-Player**

8x oversampling, dual 18-bit D/A converters. Features front-panel controls; remote control; S-VHS output; 440 lines horizontal res; on-screen display; titanium finish ..... \$699  
CDV-1700. As above, black ..... \$699

**CDC-610U CD Changer**

18-bit, 4x-oversampling digital filter, 10-disc magazine. 3-beam laser pickup; 3rd-order low-pass analog filter. 36-track programming; memory play; random play; disc scan; music scan; 3-way repeat; index search; headphone jack with adjustable level. Includes wireless remote control. Black; 20 lb ..... \$599

**CDC-805Ti CD Changer**

1-bit D/A converter, 5-disc carousel. Features PlayXchange mechanism that permits changing 4 discs while the 5th disc is playing; 5-mode digital equalizer (classical, vocal, rock, jazz, flat); 2-mode relay play between two CDC-805 changers; Yamaha S-bit technology; 3rd-order noise shaping; optical digital output. Remote digital volume control (headphone and line out); 40-track programming; random repeat/play; index search; 3-in CD compatible; 4-mode time display; RS integrated-system remote control with 45 keys; titanium ..... \$499  
CDC-805. As above, black ..... \$499

**CDC-705Ti CD Changer**

1-bit D/A converter, 5-disc carousel. Features PlayXchange mechanism that permits changing 4 discs while 5th disc is playing; Yamaha S-bit technology; 3rd-order noise shaping; optical digital output; remote volume control; 20-track programming; repeat play; index search; 3-in CD compatible; 4-mode time display; RS compatible 29-key remote; titanium finish .... \$399  
CDC-705. As above, black ..... \$399

**CDC-605Ti CD Changer**

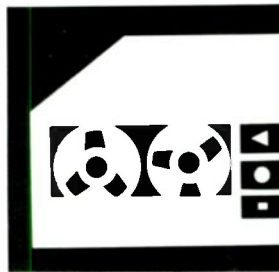
4x oversampling, dual 16-bit D/A converter, 5-disc carousel. 32-track programming; random playback; 4-way repeat playback; auto fade in-out; 3-in CD compatible; RS compatible 18-key remote control; titanium finish ..... \$299  
CDC-605. As above, black ..... \$299

*Yamaha CDX-1030*





# CASSETTE · DECKS & DAT · DECKS



## ACOUSTIC RESEARCH

### RD-06 Cassette Deck

Features Dolby B, C, and HX-Pro. Brushless direct-drive DC servo motor; rec/play sendust-core head; ferrite-core erase head. Bias-adjustment function; rec balance function; optional remote control. *s/N* Dolby B 64 dB, Dolby C 73 dB, no Dolby 55 dB; *w&F* 0.2% DIN; *FR* 30-20,000 Hz,  $\pm 3$  dB (metal tape). 17 x 4 $\frac{3}{4}$  x 13 in; 12.38 lb ..... \$500

a/d/s/

### C4 3-Head Cassette Deck

Microprocessor-controlled Dolby B, C NR, and HX Pro cassette deck. Quartz-controlled PLL capstan motor drive in die-cast metal chassis. Digital recording-level and balance controls; full status displays; remote control through a/d/s/ R4 receiver or CC4 tuner/preamp; auto bias/EQ for all tape types; memorizes adjustable-bias and level settings for each tape type; displays elapsed or remaining time; record and play timer; auto repeat; music search; mic/line mixing; adjustable headphone output; LED rec-level meters; rec-level range 80 dB in 1-dB steps. Speed deviation <0.5%; *w&F* <0.04% wtd rms; *FR* 20-20,000 Hz,  $\pm 2$  dB; *s/N* Dolby C, metal tape >74 dBA (optional onboard NR system extends *s/N* to >93 dBA). 17 $\frac{1}{2}$  x 2 $\frac{3}{4}$  x 14 $\frac{1}{4}$  in; 22 lb ..... \$1,250

### C2/3 2-Head Cassette Deck

Microprocessor-controlled cassette deck with Dolby B, C NR and HX Pro. Two-motor, single-capstan design with electronically controlled capstan motor; separate winding motor; auto biasing. Optional RC1 remote control. *FR* 30-18,000 Hz  $\pm 2$  dB; *s/N* (A-wtd, metal); no NR 58 dBA, Dolby B 66 dBA, Dolby C 74 dBA; *w&F* <0.07% WRMS; *ch sep* >40 dB. 19.8 lb ... \$800

## AIWA

### AD-F1000 3-Head Cassette Deck

Dolby B, C, and dbx NR. Features Dolby HX Pro; MPX filter; double-gap sendust erase head and record/playback Super DX heads with PC-occ coils; bias shield head block; tape-stabilizing mechanism; dual-capstan configuration. Manual bias and recording sensitivity; electronic tape counter; headphone jack with adjustable level. *FR* 20-18,000 Hz  $\pm 3$  dB (normal), 20-19,000 Hz  $\pm 3$  dB (chrome), 20-20,000 Hz  $\pm 3$  dB (metal); *s/N* 95 dB (dbx, metal), 80 dB (Dolby C, metal, above 5,000 Hz); *w&F* 0.025% wrms. 17 x 5 $\frac{1}{2}$  x 16 $\frac{1}{2}$  in; 17.8 lb ..... \$880

### AD-WX999 Double Cassette Deck

Autoreverse deck featuring Dolby B, C NR, Dolby HX Pro; amorphous heads with PC-occ coils; tape-stabilizing mechanism. Fine bias control; IC-logic feather-touch controls; high-speed dubbing; continuous playback; recording/playback timer standby; electronic tape

counter; headphone jack. Includes wireless remote control. *FR* 20-14,000 Hz  $\pm 3$  dB (normal), 20-15,000 Hz  $\pm 3$  dB (chrome), 20-16,000 Hz  $\pm 3$  dB (metal); *s/N* 65 dB (Dolby B, metal), 78 dB (Dolby C, metal, above 5,000 Hz); *wow* and flutter 0.055% wrms. 17 x 5 $\frac{1}{2}$  x 12 $\frac{3}{4}$  in; 11.9 lb ..... \$600

### AD-WX888 Double Cassette Deck

Autoreverse deck featuring Dolby B, C NR, Dolby HX Pro; amorphous heads with PC-occ coils; tape-stabilizing mechanism. Fine bias control; IC-logic feather-touch controls; high-speed dubbing; continuous playback; recording/playback timer standby; electronic tape counter; headphone jack. *FR* 20-14,000 Hz  $\pm 3$  dB (normal), 20-15,000 Hz  $\pm 3$  dB (chrome), 20-16,000 Hz  $\pm 3$  dB (metal); *s/N* 65 dB (Dolby B, metal), 78 dB (Dolby C, metal, above 5,000 Hz); *w&F* 0.065% wrms. 17 x 5 $\frac{1}{2}$  x 12 $\frac{3}{4}$  in; 11.9 lb ..... \$470

### AD-F800 3-Head Cassette Deck

Dolby B, C NR. Features Dolby HX Pro; auto tape selector; auto rec-mute; bias shield head block; tape-stabilizing mechanism; dual-capstan configuration; double-gap sendust erase head and record/playback Super DX head with PC-occ coils; MPX filter. IC-logic feather-touch controls; memory rewind and repeat; independent L&R FL peak-level meters; recording/playback timer standby; manual bias and recording sensitivity; headphone jack with level control; direct-in CD/DAT inputs. *FR* 20-17,000 Hz  $\pm 3$  dB (normal), 20-18,000 Hz  $\pm 3$  dB (chrome), 20-19,000 Hz  $\pm 3$  dB (metal); *s/N* 68 dB (Dolby B, metal), 80 dB (Dolby C, metal, above 5,000 Hz); *w&F* 0.035% wrms. 17 x 5 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in; 11.2 lb ..... \$450

### AD-WX777 Double Cassette Deck

Autoreverse deck featuring Dolby B, C NR. Tape-stabilizing mechanism; auto-rec mute. Fine bias control; headphone jack; IC-logic feather-touch controls; high-speed dubbing; continuous playback; recording/playback timer standby; headphone jack. *FR* 20-14,000 Hz  $\pm 3$  dB (normal), 20-15,000 Hz  $\pm 3$  dB (chrome), 20-16,000 Hz  $\pm 3$  dB (metal); *s/N* 65 dB (Dolby B, metal), 78 dB (Dolby C, metal, above 5,000 Hz); *w&F* 0.065% wrms. 17 x 5 $\frac{1}{2}$  x 12 $\frac{3}{4}$  in; 11.4 lb ..... \$370

### AD-WX717 Double Cassette Deck

Autoreverse in deck 1 and Dolby B, C NR. Features tape-stabilizing mechanism; auto-rec mute; auto tape-type selector. IC-logic feather-touch controls; high-speed dubbing; continuous playback; music sensor; blank skip; rec/play timer standby; bidirectional auto rewind; headphone jack. Includes wireless remote control. *FR* 20-16,000 Hz (normal), 20-17,000 Hz (chrome), 20-18,000 Hz (metal); signal-to-noise ratio 78 dB (Dolby C, metal, above 5,000 Hz); *wow* and flutter 0.065% wrms. 17 x 5 $\frac{1}{2}$  x 10 $\frac{1}{2}$  in; 9.7 lb ..... \$300

### AD-R707 Cassette Deck

Autoreverse deck featuring Dolby B, C NR, Dolby HX Pro; tape-stabilizing mechanism; auto-rec mute; auto tape-type selector. IC-logic feather-touch controls; electronic tape counter; FL peak-hold level meter; fine bias control; music sensor; blank skip; rec/play timer standby; headphone jack. Includes wireless remote control. *FR* 20-16,000 Hz  $\pm 3$  dB (normal), 20-17,000 Hz  $\pm 3$  dB (chrome), 20-18,000 Hz  $\pm 3$  dB (metal); *s/N* 78 dB (Dolby C, metal, above 5,000 Hz); *w&F* 0.065% wrms. 17 x 5 $\frac{1}{4}$  x 10 $\frac{1}{4}$  in; 8.8 lb ..... \$275

### AD-WX616 Double Cassette Deck

Dolby B, C NR. Tape-stabilizing mechanism; auto rewind/playback; auto-rec mute; auto tape-type selector. IC-logic feather-touch controls; remote-control capability; high-speed dubbing; continuous playback; music sensor; rec/play timer standby; headphone jack. *FR* 20-16,000 Hz (normal), 20-17,000 Hz (chrome), 20-18,000 Hz (metal); *s/N* 78 dB (Dolby C, metal, above 5,000 Hz); *w&F* 0.065% wrms. 17 x 5 $\frac{1}{4}$  x 10 $\frac{1}{2}$  in; 9.7 lb ..... \$250

### AD-R505 Cassette Deck

Autoreverse deck featuring Dolby B, C NR, Dolby HX Pro; tape-stabilizing mechanism; auto-rec mute; auto tape-type selector. IC-logic feather touch controls; remote-control capability; fine bias control; music sensor; blank skip; peak-hold level meter; rec/play timer standby; headphone jack. *FR* 20-16,000 Hz  $\pm 3$  dB (normal), 20-17,000 Hz  $\pm 3$  dB (chrome), 20-18,000 Hz  $\pm 3$  dB (metal); *s/N* 78 dB (Dolby C, metal, above 5,000 Hz); *w&F* 0.065% wrms. 17 x 5 $\frac{1}{4}$  x 10 $\frac{1}{2}$  in; 8.6 lb ..... \$230

### AD-R40 Cassette Deck

Autoreverse deck featuring Dolby B, C NR, Dolby HX Pro. Bidirectional auto rewind. *FR* 20-18,000 Hz (metal); *w&F* 0.065%; *s/N* 78 dB (Dolby C) ..... \$230  
AD-S37. As above, no autoreverse or bidirectional auto rewind ..... \$230

### AD-F400 Cassette Deck

Dolby B, C NR. Features Dolby HX Pro; autorewind playback; auto-rec mute; auto tape-type selector. IC-logic feather-touch controls; fine bias control; rec/play timer standby; headphone jack. *FR* 20-16,000 Hz (normal), 20-17,000 Hz (chrome), 20-18,000 Hz (metal); *s/N* 78 dB (Dolby C, metal, above 5,000 Hz); *w&F* 0.065% wrms. 17 x 5 x 9 $\frac{1}{4}$  in; 7.1 lb ..... \$200

### AD-WX515 Double Cassette Deck

Dolby B, C NR. Features auto tape-type selector; tape-stabilizing mechanism. High-speed dubbing; continuous playback; rec/play timer standby; headphone jack. *FR* 20-15,000 Hz (normal), 20-16,000 Hz (chrome), 20-17,000 Hz (metal); *s/N* 78 dB (Dolby C, metal, above 5,000 Hz); *w&F* 0.09% wrms. 17 x 5 $\frac{1}{4}$  x 10 $\frac{1}{2}$  in; 7.3 lb ..... \$200

# CASSETTE • DECKS & DAT • DECKS

## AD-WX333 Double Cassette Deck

Dolby B NR. Tape-stabilizing mechanism; auto tape-type selector. Peak-level meter; soft-touch controls; high-speed dubbing; continuous playback; headphone jack. FR 20-12,000 Hz  $\pm 3$  dB (normal), 20-13,000 Hz  $\pm 3$  dB (chrome), 20-14,000 Hz  $\pm 3$  dB (metal); S/N 65 dB (Dolby B, metal); w&F 0.09% wrms... \$170

## AD-F300 Cassette Deck

Dolby B, C NR. Features auto tape-type selector. Fine bias control; FR 20-15,000 Hz (normal), 20-16,000 Hz (chrome), 20-17,000 Hz (metal); S/N 78 dB (Dolby C, metal, above 5,000 Hz); w&F 0.09% wrms. 17 x 5 x 9 1/4 in; 6.4 lb \$140

## BANG & OLUFSEN

### Beocord 6500 Cassette Deck

Autoreverse deck with auto Dolby B, C NR. Features sensidust head; Dolby HX Pro; auto search; auto record level. FR 30-18,000 Hz  $\pm 3$  dB (chrome); w&F < 0.09% wrms; speed deviation <  $\pm 1.5\%$ ; ff/rew 75 sec; S/N Dolby B > 64 dB, Dolby C > 73 dB (metal); Dolby B > 65 dB, Dolby C > 74 dB (chrome); Dolby B > 63 dB (normal); ch sep > 35 dB ..... \$1,140

### Beocord 4500 Cassette Deck

Integrates with Beosystem 4500 for full remote control. Features Dolby B and HX Pro; autoreverse; auto-bias control. Sensi-touch capacitive sensitive controls; auto search. FR 30-18,000 Hz,  $\pm 3$  dB (chrome); w&F < 0.09% wrms; S/N (metal) Dolby B 66 dB ..... \$800

## CARRERA

### CX-3250 Double Cassette Deck

Dolby B NR. Features 3 preset bias/EQ positions; peak-level indicators; 2 mic inputs. FR 40-14,000  $\pm 3$  dB; S/N 52 dB; w&F 0.08% .... \$150

## DENON

### DRW-850 Double Cassette Deck

Twin recording mode makes two simultaneous copies of external source program. Dual deck autoreverse. Dolby B, C NR; Dolby HX Pro; high-speed dubbing; dual power supply. Remote has separate buttons for each deck; auto tape selector; music-search system; rec balance control; bias fine adjust; peak-reading level meters; auto space; system remote-control capability; output-level control; headphone jack. FR 20-19,000 Hz  $\pm 3$  dB with metal tape; w&F 0.06%; S/N > 74 dB (Dolby C) ..... \$500

### DRM-800A Cassette Deck

Dolby B, C NR. Features Dolby HX Pro dual capstan; amorphous alloy SF combination; dual power supply. CD-direct switch; auto tape selector; music-search system; rec balance control; bias fine adjust; peak-hold; rec return mode; auto space; linear real-time counter; system remote control capability; output-level control; headphone jack. FR 20-20,000 Hz  $\pm 3$  dB with metal tape; w&F 0.038%; S/N > 76 dB (Dolby C) ..... \$475

### DRM-700A Cassette Deck

Dolby B, C NR. Features Dolby HX Pro; dual power supply. Music-search system; rec balance and output-level controls; bias fine adjust; rec return mode; auto-space; system remote-control capability; headphone jack. FR 20-20,000 Hz  $\pm 3$  dB with metal tape; w&F 0.045%; S/N > 73 dB (Dolby C) ..... \$400

### DRW-750A Double Cassette Deck

Dolby B, C NR. Features Dolby HX Pro; SF hyperbolic heads; 2x high-speed dubbing; double non-slip reel drive; dual power supply. Sin-

gle set of controls operates both decks through deck-selector switch; auto tape selector; music-search system; rec balance control; fine bias adjust; peak-reading level meters; auto space; output-level control; headphone jack. FR 20-19,000 Hz  $\pm 3$  dB with metal tape; w&F 0.055%; S/N > 74 dB (Dolby C) ..... \$400  
**DRW-650.** Similar to DRW-750A. FR 20-18,000 Hz  $\pm 3$  dB with metal tape; w&F 0.06%; S/N > 74 dB (Dolby C) ..... \$300

### DRR-680 Cassette Deck

Autoreverse, Dolby B, C NR. Features Dolby HX Pro; amorphous alloy combination head; dual power supply. Full auto stop; rec balance control; fine bias adjustment; peak-reading FL level meters; auto space; output-level control; headphone jack. Includes Denon Integral System remote control. FR 20-19,000 Hz  $\pm 3$  dB with metal tape; w&F 0.06%; S/N > 74 dB (Dolby C) ..... \$350

### DRM-600 Cassette Deck

Dolby B, C NR. Features Dolby HX Pro; computer-controlled 2-motor transport; non-slip reel drive; amorphous alloy SF head; dual power supply. Full auto stop; rec balance control; fine bias adjustment; peak-reading FL level meters; auto space; real-time counter; output level control; headphone jack. Includes Denon Integral System remote control. FR 20-20,000 Hz  $\pm 3$  dB with metal tape; w&F 0.055%; S/N > 74 dB (Dolby C) ..... \$350

### DRM-500 Cassette Deck

Dolby B, C NR. Features Dolby HX Pro; SF head; dual power supply. Full auto stop; rec balance control; fine bias adjustment; peak-reading FL level meters; rec return mode; auto space; 3-digit counter; headphone jack. Includes Denon Integral System remote control. FR 25-18,000 Hz  $\pm 3$  dB with metal tape; w&F 0.055%; S/N > 74 dB (Dolby C) ..... \$275

### DRM-400 Cassette Deck

Dolby B, C NR. Features SF head; full auto stop; rec balance control; fine bias adjustment; peak-reading FL level meters; rec return mode; auto space; 3-digit counter; headphone jack. Includes Denon Integral System remote control. FR 25-18,000 Hz  $\pm 3$  dB with metal tape; w&F 0.057%; S/N > 73 dB (Dolby C) ..... \$230

## DAT Deck

### DTR-2000 DAT Recorder

8x oversampling, 20-bit digital filter and 20-bit LAMBDA D/A converter system. Sigma-Delta type A/D converters. Helical-scan head assembly with amorphous alloy heads. Optical and digital inputs; fade-in and fade-out; ID-code editing with 1/2-speed fine-cueing; high-speed search; display of time and level information; peak-hold metering system. FR 2-22,000 Hz  $\pm 0.5$  dB; S/N 92 dB; dynamic range 90 dB \$1,000

## FISHER

### CR-W905B 3-Head Double Cassette Deck

Double autoreverse with Dolby B, C NR. Features switchable MPX filter. Full-logic controls; metal-tape capability; high-speed 1-touch dubbing; sequential playback; introscan; blank skip; digital tape counter. Includes remote control. w&F 0.06% wrms; S/N 62 dB Dolby B; FR 40-15,000 Hz  $\pm 3$  dB CrO<sub>2</sub> ..... \$350

### CR-W880B 3-Head Double Cassette Deck

Autoreverse and Dolby B NR. Features 2 full-logic autoreverse cassette mechanisms (1 record/play, 1 play only). Metal-tape capability; auto search function; sequential play; high-speed synchro dubbing; 5-LED rec meters; auto

tape selector; timer standby; headphone jack ..... \$300

### CR-W780B 3-Head Double Cassette Deck

Autoreverse and Dolby B NR. Features 2 autoreverse cassette mechanisms (1 record/play, 1 play only); MPX filter. Metal-tape capability; high-speed synchro dubbing; 5-LED rec meters; auto tape selector on deck 1; timer standby; mechanical tape counter; headphone jack. w&F 0.15% wrms; S/N 61 dB Dolby B; FR 40-15,000 Hz  $\pm 3$  dB CrO<sub>2</sub> ..... \$260

### CR-W680B 3-Head Double Cassette Deck

Autoreverse and Dolby B NR. Features 2 cassette mechanisms; metal-tape capability; high-speed synchro dubbing; 5-LED rec meters; auto tape selector on deck 1; timer standby; mechanical tape counter; headphone jack. w&F 0.15% wrms; S/N 61 dB Dolby B; FR 50-14,000 Hz  $\pm 3$  dB (chrome) ..... \$150

## GRUNDIG

### CCT-903 Double Cassette Deck

Autoreverse deck featuring Dolby B, C, 3 motors for each deck; switchable MPX filter; automatic switching between tape types; electronic switchover between recording and playback. High-speed dubbing; adjustable line output; headphone output. S/N, Cr: 73 dB with Dolby C, 67 dB with Dolby B, 58 dB without Dolby; w&F <  $\pm 0.09\%$ ; FR 30-18,000 Hz ..... \$899

## HARMAN KARDON

*All decks have an MPX filter and Dolby B and C NR; FR spec for all types of tape unless otherwise specified.*

### TD4800 3-Head Cassette Deck

Dolby S NR. Features closed-loop, dual-capstan transport; HX Pro; isotropic heads; bias tone-generator. Record-calibration and output-level controls; headphone jack; auto tape selector; 2-key music search; introscan; record mute; remote. FR 20-22,000 Hz  $\pm 3$  dB ..... \$1,299  
**TD4600.** 2-head version of above with solenoid transport. FR 20-21,000 Hz  $\pm 3$  dB ..... \$799  
**TD4500.** As TD4600, no Dolby S NR ..... \$549

### TD4400 2-Head Cassette Deck

Features 2-head solenoid transport; HX Pro; isotropic heads. Bias fine-trim control; record mute; auto tape selector; 2-key music search; introscan. FR 20-20,000 Hz  $\pm 3$  dB ..... \$419

### TD4200 2-Head Cassette Deck

Features 2-head solenoid transport; hard perm-alloy heads. Bias fine-trim control; record mute; auto tape selector; 12-LED meters. FR (metal tape) 20-20,000 Hz  $\pm 3$  dB ..... \$319

## HEATH

### ACW-2540 Cassette Deck

Dolby B, C NR. Features 7-segment LED peak meter; amorphous tape head; record mute; memory search; MPX filter; solenoid transport; Dolby HX Pro. FR 20-20,000 Hz,  $\pm 3$  dB; THD 1%; S/N no NR 57 dB, Dolby B 65 dB, Dolby C 73 dB; ch sep 45 dB; w&F 0.05% ..... \$175

## JVC

### TDV1010TN 3-Head Cassette Deck

Dolby B, C NR in both decks. Features Dolby HX Pro; closed-loop dual capstan with direct-drive motor; full-logic transport; 210,000 Hz high-bias circuit; MPX filter; half-shell stabilizer. Bias control and record-level calibration; auto tape selector; FL digital peak-metering; music scan; auto rec mute ..... \$700

# CASSETTE • DECKS & DAT • DECKS

## TDV711BK 3-Head Cassette Deck

Dolby B and C NR. Features Dolby HX Pro; computer-controlled design with 2-motor full-logic mechanism. Features monitor-capable discrete 3-head configuration; amorphous play head; closed-loop dual-capstan drive with direct-drive motor; 2 direct inputs; oxygen-free-copper plating on circuit boards; separate circuit construction; DC configured amps on separate PC boards; low-imp voltage-tracking regulated power supply; high-rigidity chassis; MPX filter; FL digital peak display; level meters and digital counter; auto rec mute; music scan; timer start; auto tape selector; headphone jack with level control; bias control; gold-plated terminals ..... \$620

## TDW901BK Double Cassette Deck

Dolby B, C NR. Dolby HX Pro; quick autoreverse double cassette deck with full-logic transports. Features high-speed editing with synchro-dubbing; auto tape selector; FL peak meter; music scan; multifunction remote; timer start ..... \$500

## TDR531BK 3-Head Cassette Deck

Dolby B, C NR. Features Dolby HX Pro; MPX filter; full-logic mechanism; direct CD input; closed-loop dual capstan drive; FL digital peak; auto rec mute; music scan; timer start; auto tape selector; headphone jack ..... \$380

## TDW803BK Double Cassette Deck

Full-logic transport and Dolby B and C NR. Features high-speed editing with synchro-dubbing; auto tape selector; music scan; timer start ..... \$370

## TDW503 Double Cassette Deck

Autoreverse, full-logic transport, Dolby B and C NR. Features Dolby HX Pro; high-speed editing with synchro-dubbing; auto tape selector; music scan, mic inputs, pitch controls ... \$295

## TDR431BK Cassette Deck

Autoreverse, Dolby B, C, NR. Features Dolby HX Pro; full-logic transport; FL peak metering; auto rec mute; bias control; headphone output; auto tape selector ..... \$255

## TDX303BK Double Cassette Deck

Autoreverse, Dolby B, C NR. Dolby HX Pro; high-speed dubbing; full-logic transport; auto rec mute; auto tape selector; headphone output ..... \$240

## TDW331BK Cassette Deck

Dolby B, C NR. Dolby HX Pro; full-logic transport; auto rec mute; LED indicators; bias and balance controls; auto tape selector ..... \$235

## TDW203BK Double Cassette Deck

Dolby B, C NR. Features full-logic transport; high-speed editing with synchro-dubbing; auto tape selector; LED indicator; headphone output ..... \$200

## TDW103BK Double Cassette Deck

Dolby B NR. Features high-speed editing with synchro-dubbing; LED indicator ..... \$135

## KENWOOD

### KX-W4520 3-Head Cassette Deck

Autoreverse, Dolby B, C NR. Features Dolby HX Pro; hard-permalloy rec/play head; double-gap ferrite erase head. Peak-level meter; auto bias-adjustment; 16-program search; MPX filter; index scan; blank search; remote control. FR 20-17,000 Hz  $\pm$  3 dB (normal tape), 20-18,000 Hz  $\pm$  3 dB (high-bias tape), 20-19,000 Hz  $\pm$  3 dB (metal tape); S/N (metal tape): no NR 58 dB, Dolby B 66 dB, Dolby C 73 dB; THD < 0.8% at

1,000 Hz (normal tape); w&F 0.08% wrms. 17/4 x 5 x 12/8 in; 11.7 lb ..... \$470

### KX-W8020 2-Head Double Cassette Deck

Autoreverse, Dolby B, C NR. Features HX Pro; hard-permalloy rec/play head; double-gap ferrite erase head; full-logic controls; 2-motors; 2-head tape drives. Bidirectional rec/playback in both wells; peak-level meter; auto bias-adjustment (deck B); high-speed dubbing; 16-program search; index scan (deck A); blank skip; auto rec-mute. FR 30-14,000 Hz  $\pm$  3 dB (normal tape), 30-15,000 Hz  $\pm$  3 dB (high-bias and metal tape); S/N (normal tape): no noise reduction 57 dB, Dolby B 65 dB, Dolby C 72 dB; THD < 0.6% at 1,000 Hz (normal tape); w&F 0.08% wrms. 17/4 x 5 x 10/8 in; 11 lb ..... \$399

### KX-W6020 2-Head Double Cassette Deck

Autoreverse, Dolby B, C NR. Features HX Pro; hard-permalloy rec/play head; double-gap ferrite erase head; full-logic controls; 2-motors; 2-head rec/playback tape drive. Auto bias-adjustment in deck B only; peak-level meter; auto bias-adjustment (deck B); high-speed dubbing; 16-program search; index scan (deck A); blank skip; auto rec-mute. FR 30-14,000 Hz  $\pm$  3 dB (normal), 30-15,000 Hz  $\pm$  3 dB (high-bias), 30-16,000 Hz  $\pm$  3 dB (metal); S/N (normal tape): no NR 57 dB, Dolby B 65 dB, Dolby C 72 dB; THD < 0.6% at 1,000 Hz (normal tape); w&F 0.08% wrms. 17/4 x 5 x 10/2 in; 10.4 lb ..... \$299

### KX-W3510 Cassette Deck

Autoreverse, Dolby B, C NR. Features hard-permalloy rec/play head; double-gap ferrite erase head. Peak-level meter; auto bias-adjustment; 16-program search; index scan; blank search. FR 30-16,000 Hz  $\pm$  3 dB (normal tape), 30-17,000 Hz  $\pm$  3 dB (high-bias tape), 30-18,000 Hz  $\pm$  3 dB (metal tape); S/N (metal tape): no NR 58 dB, Dolby B 66 dB, Dolby C 73 dB; THD < 0.8% at 1,000 Hz (normal tape); w&F 0.08% wrms. 17/4 x 5 x 12/8 in; 10.6 lb ..... \$299

### KX-W2520 Cassette Deck

Autoreverse, Dolby B, C NR. Features HX-Pro; hard-permalloy rec/play head; double-gap ferrite erase head. Peak-level meter; 16-program search; index scan; blank search. FR 30-14,000 Hz  $\pm$  3 dB (normal tape), 30-15,000 Hz  $\pm$  3 dB (high-bias tape), 30-15,000 Hz  $\pm$  3 dB (metal tape); S/N (metal tape): no NR 57 dB, Dolby B 65 dB, Dolby C 72 dB; THD < 0.6% at 1,000 Hz (normal tape); w&F 0.08% wrms. 17/4 x 5 x 10/2 in; 8.8 lb ..... \$249

### KX-W2020 Cassette Deck

Dolby B, C NR. Features hard-permalloy rec/play head; double-gap ferrite erase head. Peak-level meter; 16-program search; index scan; blank search. FR 30-14,000 Hz  $\pm$  3 dB (normal tape), 30-15,000 Hz  $\pm$  3 dB (high-bias tape), 30-15,000 Hz  $\pm$  3 dB (metal tape); S/N (metal tape): no NR 57 dB, Dolby B 65 dB, Dolby C 72 dB; THD < 0.6% at 1,000 Hz (normal tape); w&F 0.08% wrms. 17/4 x 5 x 10/2 in; 8.8 lb ..... \$219

### Spectrum Series

### KX-69W 3-Head Double Cassette Deck

Autoreverse, Dolby B NR. Features full-logic controls; 2 motors; hard-permalloy rec/play heads; double-gap ferrite erase head. Rec/playback in deck B only; peak-level meter; high-speed dubbing; program search; index scan; auto tape selector; remote compatible. FR 30-14,000 Hz  $\pm$  3 dB (normal tape), 30-15,000 Hz  $\pm$  3 dB (high-bias and metal tape); S/N (normal tape): no NR 57 dB, Dolby B 65 dB; THD < 0.6% at 1,000 Hz (normal tape); w&F 0.08% wrms. 17/4 x 4/4 x 10/2 in; 10.1 lb ..... \$229

### KX-59W 3-Head Double Cassette Deck

Autoreverse, Dolby B NR. Features full-logic controls. 2 motors; 3 heads; hard-permalloy rec/play heads; double-gap ferrite erase head. Rec/playback in deck B only; peak-level meter; high-speed dubbing; auto tape selector. FR 30-14,000 Hz  $\pm$  3 dB (normal tape), 30-15,000 Hz  $\pm$  3 dB (high-bias and metal tape); S/N (normal tape): no NR 56 dB, Dolby B 64 dB; THD < 0.9% at 1,000 Hz (normal tape); w&F 0.15% wrms. 17/4 x 4/4 x 10/2 in; 8.1 lb ..... \$199

### KX-49C 2-Head Cassette Deck

Autoreverse, Dolby B and C NR. Features full-logic controls; 1 motor; 2 heads; hard-permalloy rec/play head; double-gap ferrite erase head. Rec/playback in deck B only; peak-level meter; remote compatible. FR 30-14,000 Hz  $\pm$  3 dB (normal tape), 30-15,000 Hz  $\pm$  3 dB (high-bias and metal tape); S/N (normal tape): no NR 56 dB, Dolby B 64 dB, Dolby C 72 dB; total harmonic distortion < 0.9% at 1,000 Hz (normal tape); wow and flutter 0.15% wrms. 17/4 x 4/4 x 10/8 in; 8.2 lb ..... \$169

## LUXMAN

*The following cassette decks carry a 5-year parts-and-labor warranty.*

### K-112 3-Head Cassette Deck

Dolby B, C NR. Features Dolby HX Pro. Features Hexalam 3-head assembly; 2-motor, single-capstan transport; logic controls; Duo-Beta dual feedback-loop amp circuitry. Tape monitoring; auto space; 4-digit electronic tape counter with memory; output/rec-level, fine-bias, rec balance controls; system remote control jacks. FR 20-21,000 Hz  $\pm$  3 dB (metal tape), 20-20,000 Hz  $\pm$  3 dB (high-bias tape), 20-19,000 Hz  $\pm$  3 dB (normal-bias tape); S/N (high-bias tape): no NR 55 dB, Dolby B 64 dB, Dolby C 72 dB; w&F 0.05% wrms. 17/4 x 4/4 x 12/2 in; 9.5 lb ..... \$600

### K-110W Double Cassette Deck

Autoreverse, Dolby B, C NR. Features Dolby HX Pro, high-speed dubbing; simultaneous playback of 2 tapes; relay play ..... \$580

### K-110 Cassette Deck

Autoreverse, Dolby B, C NR. Features Dolby HX Pro; bidirectional recording; logic controls ..... \$480

### K-111 2-Head Cassette Deck

Dolby B, C NR. Features Dolby HX Pro; Hexalam 2-head assembly with motor-driven cam; 2-motor, single-capstan transport; logic-controls; Duo-Beta dual feedback-loop amp circuitry. Rec-level control; L/R mic and system remote control jacks. FR 30-18,000 Hz  $\pm$  3 dB (metal tape), 30-17,000 Hz  $\pm$  3 dB (high-bias tape), 30-16,000 Hz  $\pm$  3 dB (normal-bias tape); S/N (high-bias tape): no NR 55 dB, Dolby B 63 dB, Dolby C 70 dB; w&F 0.06% wrms. 17/4 x 4/4 x 10/2 in; 7.7 lb ..... \$380

## MARANTZ

### DL 3507 Cassette Deck

Dolby B, C, and HX Pro. Features two sets of permalloy recording heads; ferrite erase heads; dual constant-current drive amplifier; 20-track bidirectional automatic music search; auto biasing; synchro-record capable with CD player. Frequency response 20-20,000 Hz; w&F 0.06%; signal-to-noise ratio 74 dB ..... \$400

### DA 2452 Double Cassette Deck

Autoreverse on play deck only. Features Dolby B NR; high-speed dubbing; auto tape selector with LED ..... \$170

# CASSETTE • DECKS & DAT • DECKS

## MITSUBISHI

### M-T5010 Double Cassette Deck

Autoreverse, Dolby B, C NR. Features Dolby HX Pro; on-screen programming and displays; high-speed synchronous dubbing; full-logic controls; continuous playback of 2 cassettes. Music search; repeat; blank skip; auto mute; auto bias calibration; remote control; video output ..... \$700



Mitsubishi M-T5010

## NAD

### Model 6300 Monitor Series Cassette Deck

3-head, 3-motor cassette deck with Dolby B and C NR. Features full logic transport; Dolby HX Pro; Dyneq range expansion; car processor to boost level of soft passages 20 dB. NAD/Dolby-developed Play Trim which optimizes high-frequency playback characteristics; fine bias tuning. Speed accuracy  $\pm 1\%$ ; wow-and-flutter 0.03% wrms; frequency response 30-19,000  $\pm 3$  dB. Includes wireless remote control. Rack mountable ..... \$899

### Model 6100 Monitor Series Cassette Deck

Features Dolby B and Dolby C NR; Dolby HX Pro; Dyneq range expansion; full-logic transport; car circuitry as in Model 6300. NAD/Dolby-developed Play Trim which optimizes high-frequency playback characteristics; fine bias adjustment. Includes remote control. Rack mountable ..... \$499

### Model 6340 Cassette Deck

Features Dolby B and Dolby C NR; Dolby HX Pro; Dyneq range expansion; full logic transport; car circuitry as in Model 6300. Fine bias adjustment ..... \$399

### Model 6325 Cassette Deck

Features Dolby B and Dolby C NR; full logic transport; car circuitry as in Model 6300. Compatible with normal, chrome, and metal tape ..... \$249

## NAKAMICHI

### Dragon 3-Head Cassette Deck

Microprocessor-controlled, autoreverse deck with Dolby B, C NR. Features auto azimuth correction system; dual-gap ferrite/sendust erase head; asymmetrical diffused-resonance transport; Super Linear Torque direct-drive motors; auto-retracting slot guides; tape-pad lifter; auto tape-slack reducing mechanism. Rec-level and bias-calibration controls with 2-tone oscillator; separate tape and EQ switches; direct-coupled recording and playback amplifiers; 2-speed cueing; 2-speed master fader; auto rec pause; left, right, master input-levels control; output level-control; rec mute; high-output headphone jack; defeatable infrasonic filter; 4-digit LED electronic counter with memory stop and repeat; optional remote control via RM-20. w&F 0.019% wrms; FR 20-22,000 Hz,  $\pm 3$  dB with ZX tape; S/N Dolby B/C 66/72 dB (A-wtd, ZX tape at 400 Hz, 0dB); sep/crosstalk 37/60 dB at 1,000 Hz, 0 dB; input sens/imp 50 mV/50 kilohms line; output level/imp 1 V/2.2 kilohms line, 45 mW/8 ohm headphones; 17 $\frac{3}{4}$  x 5 $\frac{1}{2}$  x 11 $\frac{1}{4}$  in; 21 lb ..... \$2,295  
RM-20. Remote control unit for above ..... \$50

### CR 7A 3-Head Cassette Deck

Asymmetrical diffused-resonance dual-capstan transport, Dolby B, C NR. Features 3 motors; auto bias/EQ; manual azimuth adjust; elapsed-time counter; remaining-time counter. Output-level control; memory stop/play; LED meters; soft-touch controls; headphone jack; rec mute; wireless remote; auto and manual tape/equalizer selection; auto fade; auto repeat. w&F 0.027% wrms; FR, ferric 18-21,000 Hz,  $\pm 3$  dB; S/N (A-wtd), metal 66 dB, Dolby B 72 dB; line-input sens for 0-dB reading 50 mV; line-output level with 0-dB indication 1,000 mV. 17 $\frac{3}{4}$  x 5 $\frac{1}{2}$  x 12 in; 19 lb, 13 oz. .... \$1,695

### RX-505 3-Head Cassette Deck

Unidirectional autoreverse to eliminate bidirectional azimuth error, Dolby B, C NR. Mechanism turns cassette over at end of side during record or playback. Features asymmetrical dual-capstan closed-loop transport; auto fade (20 secs before end of tape); DC servo motors. Auto record pause; LED peak-level meters reading from -40 to +10 dB; dual-speed master fader; punch-in recording; memory stop/play; soft-touch controls; Optional remote control via RM-15. w&F <0.04% wrms; FR 20-20,000 Hz,  $\pm 3$  dB, all tape types; S/N Dolby C and metal tape >70 dB; THD <0.9% with ZX tape; line-input sens for 0-dB reading 50 mV; line-output level with 0-dB indication 1,000 mV; 17 $\frac{3}{4}$  x 5 $\frac{1}{2}$  x 11 $\frac{1}{4}$  in; 22 lb. .... \$1,395  
RX-202. Similar to RX-505 with 2 heads. w&F <0.06% wrms. 17 $\frac{3}{4}$  x 5 $\frac{1}{2}$  x 10 in; 19 lb, 13 oz ..... \$795  
RM-15. Remote control unit for above ..... \$50

### CassetteDeck1 Cassette Deck

Dolby B, C NR. Defeatable MPX filter. Azimuth fine-tuning control; asymmetrical dual-capstan diffused-resonance transport; DC servo capstan motor; silent mechanism; pressure-pad lifter; auto slack-tape takeup; integrated construction of head and playback amp; multiregulated power supply. Bidirectional auto-search; bias fine-tune control; auto repeat; timer rec/play; record mute; output-level control; tape selector with interlocked EQ selection; system remote compatibility; 4-digital tape counter; gold-plated input/output jacks. FR 20-20,000 Hz  $\pm 3$  dB; S/N (A-wtd, metal tape) Dolby C 72 dB, Dolby B 66 dB; w&F <0.035%; THD <0.9%. 17 x 4 x 12 $\frac{1}{2}$  in; 12.88 lb ..... \$799

### CassetteDeck2 Cassette Deck

Dolby B, C NR. Defeatable MPX filter. DC servo capstan motor; silent mechanism; pressure-pad lifter; auto slack-tape take-up; multiregulated power supply. Bidirectional auto-search; bias fine-tune control; auto repeat; timer rec/play; record mute; tape selector with interlocked EQ selection; system remote compatibility; 4-digital tape counter. FR 20-20,000 Hz  $\pm 3$  dB; S/N (A-wtd, metal tape) Dolby C 70 dB, Dolby B 64 dB; w&F <0.06%; THD <1.0%. 17 x 4 x 12 $\frac{1}{2}$  in; 11.88 lb ..... \$349



Nakamichi CassetteDeck2

## DAT Deck

### Model 1000 DAT Recorder

Features FAST (Fast Access Stationary Tape Guide Transport) mechanism; 4-head design for off-tape monitoring; microprocessor-controlled direct-drive reel motors. Full indexing and

high-speed program search; digital fader; Model 1000r wireless remote. Sampling frequencies: 48 kHz (rec/play), 44.1 kHz (play), 32 kHz (rec/play); drum rotation: 2,000 rpm (rec/play); tape speed: 0.32 ips; 75-ohm coaxial/optical digital input/output. Coaxial and optical cable included. 17 $\frac{3}{4}$  x 5 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in; 35.25 lb ..... \$5,900

**Model 1000p Digital Audio Processor.** Companion digital audio processor for above. 8x oversampling. 20-bit calibrated D/A converters; 16-bit auto-calibrated A/D converter with 2x-oversampling digital filter; digital glitch cancellation circuitry; 2-speed twin-PLL digital audio interface. 32-segment level meter; muting circuitry; headphone jack; phono loudness control; cables included. D/A converter: sampling frequencies 48, 44.1, 32 kHz; FR 5-20,000 Hz  $\pm 0.5$  dB; S/N >106 dB; dynamic range >100 dB; THD 0.0005% at 1,000 Hz; ch sep >106 dB. A/D converter: sampling frequency 48 kHz; FR 5-22,000 Hz  $\pm 0.5$  dB; S/N >95 dB; dynamic range >95 dB; THD 0.001% at 1,000 Hz; ch sep >85 dB. 17 $\frac{3}{4}$  x 5 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in; 38.5 lb ..... \$5,100

## ONKYO

### Integra TA-2090 3-Head Cassette Deck

Computer-controlled deck with Dolby B, C, and dbx. Features Dolby HX Pro; 3 heads; 3 motors; auto bias/EQ; dual capstans; bias fine tuning; direct drive; sendust heads; MPX filter. Elapsed-time counter; remaining-time counter; music search; output-level control; memory stop/play; mike input; headphone jack; rec mute; record-calibration controls; 2-color peak hold meter. Remote control an<sup>4</sup> side panels optional. FR 25-17,000 Hz  $\pm 3$  dB (normal-bias tape), 25-19,000 Hz  $\pm 3$  dB (high-bias tape), 25-21,000 Hz  $\pm 3$  dB (metal tape); S/N (metal tape); no NR 60 dB, Dolby B 70 dB, Dolby C 80 dB, dbx 87 dB; w&F 0.02% wrms. 17 $\frac{3}{4}$  x 4 x 15 $\frac{1}{2}$  in; 20 lb ..... \$950

### TA-2800 3-Head Cassette Deck

Computer-controlled deck with Dolby B, C NR. Features 3 heads; Dolby HX Pro; 3 motors; dual capstans; auto bias; record calibration. Real-time counter; switchable MPX filter; RI remote compatible. FR 20-21,000 Hz (metal tape); S/N 58 dB (metal tape, no Dolby); w&F 0.035% wrms. 17 $\frac{3}{4}$  x 5 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in; 14 lb ..... \$650

### TA-RW490 Double Cassette Deck

Dolby B, C NR. Features rec/playback, music search, and autoreverse in both wells; Dolby HX Pro. High-speed and real-time dubbing; continuous recording; 2 real-time tape counters; headphone jack; mike input; Remote control ..... \$630

### Integra TA-2700 3-Head Cassette Deck

Closed-loop dual-capstan design with Dolby B and C NR. Features HX Pro; 3 motors; 3-head configuration; isolated transformer; silent-tape transport with microcomputer control; low impedance linear-switching power supply; discrete low impedance; low-noise regulators for improved sound, transport, display, and signal-path-independent power supplies; high-resolution fluorescent peak-hold level indicators; forward AMCS; repeat function; RI remote compatible ..... \$530

### TA-RW470 Double Cassette Deck

Autoreverse deck with Dolby B, C NR. Features 2 motors. Real-time tape counter; standard and high-speed dubbing; continuous play; AMCS (Automatic Music Control System); RI remote compatible ..... \$500

### Integra TA-R500 Cassette Deck

Full-logic three-motor quick autoreverse transport; Dolby B/C. Features HX Pro; automatic

It stands to reason that the cassette decks built most like studio tape recorders will produce the highest quality home recordings.



Denon Studio A. All our components reflect lessons learned in the recording studio.

**The benefits of building home cassette decks with recording studio technology are even greater when the technology is your own.**



Since 1910, Denon has been involved in every step of sound reproduction: recording music, making records and CDs, building studio tape recorders and producing open reel and cassette tape. In fact, Denon built the world's first digital studio tape recorder.

Denon builds this expertise into every cassette deck. Denon's proprietary clutchless Non-Slip Reel Drive produces constant tape tension, reduces distortion, wow and flutter and maintains superior performance over time. SF combination heads, in concert with Dolby B, C and HX Pro,<sup>®</sup> extract the most from today's digital sources by extending headroom and eliminating noise.

Lest you fear that Denon reserves this technology for its esoteric models, *all* these features are found for under \$400 on the three-head DRM-700, the DRW-750 Dual Cassette and the DRR-680 Auto-Reversing Cassette Decks.\*

Why do Denon cassette decks sound better? Perhaps, it's because Denon has been making only one thing for over 80 years. Music.

**DENON**  
DESIGN INTEGRITY

Denon America, Inc., 222 New Road, Parsippany, NJ 07054

\*DRM-700 shown with the optional side panels available for most Denon models. Prices quoted are manufacturer's suggested retail prices and may vary.

# CASSETTE • DECKS & DAT • DECKS

tape selector; three independent power supplies; low-impedance linear-switching power supply for audio path; switchable MPX filter; real-time counter; high-resolution fluorescent peak-hold level indicators; auto space record mute; bidirectional AMCS (Automatic Music Control System); block repeat; RI remote compatible..... \$450

## TA-W200 Cassette Deck

Dual full-logic two-motor transport with Dolby B, C NR. Features Dolby HX Pro; automatic tape selector; standard and high-speed dubbing; continuous play; auto space record mute; RI remote compatible ..... \$250

## TA-2600 3-Head Cassette Deck

Computer-controlled cassette deck with Dolby B, C NR. Features auto bias; HX Pro. Real-time counter; switchable MPX filter; forward AMCS (Automatic Music Control System); RI remote compatible. FR 20-20,000 Hz (metal tape); S/N 58 dB (metal tape, no Dolby); w&F 0.045% wrms. 17½ x 5½ x 14½ in; 13 lb ..... \$480

## TA-R300 2-Head Cassette Deck

Computer-controlled autoreverse deck with Dolby B, C NR. Features auto bias/tape selector; HX Pro. Electronic tape counter; switchable MPX filter; FL display; auto space; rec mute; dual mode (block/full) repeat; forward AMCS (Automatic Music Control System); RI remote control included. FR 30-18,000 Hz ± 3 dB (metal tape), 30-17,000 Hz ± 3 dB (high-bias tape), 30-16,000 ± 3 dB (normal-bias tape); S/N 58 dB (metal tape, no Dolby); w&F 0.07% wrms. 17½ x 4¼ x 10¼ in; 10 lb ..... \$360



Onkyo Integra TA-2700

## TA-RW400 Double Cassette Deck

Computer-controlled deck with Dolby B, C NR. Features Dolby HX Pro; autoreverse in both wells; 2-motor tape transports; auto bias/tape selector. Recording in deck B only; normal and high-speed dubbing; continuous play; auto space; rec mute; 8-segment LED level meter; RI remote compatible. FR 30-16,000 Hz ± 3 dB (metal tape), 30-15,000 Hz ± 3 dB (high-bias tape), 30-14,000 ± 3 dB (normal-bias tape); signal-to-noise ratio 58 dB (metal tape, no Dolby); wow and flutter 0.07% wrms. 17½ x 4½ x 13¼ in; 10.6 lb ..... \$340

## TA-2200 2-Head Cassette Deck

Computer-controlled deck with Dolby B, C noise reduction and Hx Pro. Features 2 heads; 2 motors; full-logic transport; auto bias/tape selector. Electronic tape counter; fluorescent display; switchable multiplex filter; forward AMCS (Automatic Music Control System); auto space; rec mute; dual mode (block/full) repeat; RI remote compatible. FR 30-18,000 Hz ± 3 dB (metal tape), 30-17,000 Hz ± 3 dB (high-bias tape), 30-16,000 ± 3 dB (normal-bias tape); S/N 58 dB (metal tape, no Dolby); w&F 0.07% wrms. 17½ x 4¼ x 10¼ in; 10 lb ..... \$330

## TA-R200 Cassette Deck

Computer-controlled autoreverse cassette deck with Dolby B, C NR. Features auto bias/tape selector; Dolby HX Pro. Auto space; rec mute; dual mode (block/full) repeat; RI remote compatible..... \$260

## TA-2000 Cassette Deck

Computer-controlled deck with Dolby B, C NR. Features Dolby HX Pro; full-logic transport; auto bias/tape selector. Auto space; rec mute; dual mode (block/full) repeat; RI remote compatible ..... \$230

## OPTIMUS BY RADIO SHACK

### SCT-89 Double Cassette Deck

Autoreverse deck featuring Dolby B and C NR. Features Dolby HX Pro; autotape selector; high-speed dubbing. Repeat sequential play; record mute; microphone jacks; auto-stop; logic-controlled operation; recording-level control meters. FR 30-15,000 Hz ± 3 dB (normal bias), 30-17,000 Hz ± 3 dB (metal); S/N: Dolby B 62 dB, Dolby C 70 dB; w&F 0.06% wrms. 17½ x 5 x 11½ in; 11 lbs ..... \$300

### SCT-88 Cassette Deck

Dolby B and C NR. Features Dolby HX Pro; automatic tape selector; bias control. Auto-stop; logic-controlled operation; record-mute button; timer. FR 20-16,000 Hz ± 3 dB (normal), 20-18,000 Hz ± 3 dB (metal); S/N: Dolby B 63 dB, Dolby C 73 dB; w&F 0.05% wrms. 16½ x 4¼ x 11½ in; 8.9 lbs ..... \$200

### SCT-85 Double Cassette Deck

Dolby B and C NR. Features 4-track high-speed dubbing; can dub both sides of tape at once; variable dubbing speed; continuous play; synchro-start dubbing; tape selectors. FR 60-12,500 Hz ± 3 dB (normal), 60-14,000 Hz ± 3 dB (metal); S/N: Dolby B 62 dB, Dolby C 70 dB; w&F 0.15% wrms. 16½ x 4¼ x 8 in; 7.25 lbs ... \$200

### SCT-74 Double Cassette Deck

Dolby B and C NR; high-speed dubbing; compatible with normal, high-bias, metal tapes; LED's for power and recording; mic inputs; headphone jack. High bias FR 60-12,000 Hz ± 3 dB; w&F 0.12% wrms ..... \$180

### SCT-87 Double Cassette Deck

Dolby B NR. Features continuous play; synchro-start dubbing; tape selectors. FR 60-12,500 Hz ± 3 dB (normal), 60-14,000 Hz ± 3 dB (metal); S/N: Dolby B 62 dB; w&F 0.15% wrms. 16½ x 4¼ x 8 in; 7.25 lbs ..... \$150

### SCP-32 Cassette Deck

Autoreverse and Dolby B noise reduction. Metal/high-bias selector switch. 3¼ x 8¼ x 5¼ in ..... \$100

SCP-31 Cassette Deck As above, no Dolby B; autoreverse ..... \$50

### SCT-86 Cassette Deck

Dolby B NR. Features right/left record controls; tape-select buttons; full auto-stop. FR 60-12,500 Hz ± 6 dB; S/N, Dolby B 52 dB; w&F 0.15%. 9 x 4¼ x 5¼ in; 3.5 lb ..... \$90

## PARASOUND

### D/HX-550 Cassette Deck

Dolby B, C NR. Features Dolby HX Pro; play trim; hard alloy head; polystyrene capacitors. FR 20-19,000 Hz; S/N 67 dB for Dolby B, 78 dB for Dolby C; input imp 30 kilohms, output imp 600 ohms. 17¼ x 4¼ x 10 in, 12 lb ..... \$265

## PHILIPS

### FC-60 3-Head Cassette Deck

Dolby B, C NR. Features Dolby HX Pro; electronic real-time counter; alpha text mode display; digital peak-level display with peak memory function; fine bias adjustment; rec calibration controls. Compatible with Philips RC-5 remote control ..... \$549

### FCR-515 Double Cassette Deck

Dolby B, C NR. Features continuous playback and recording with both decks for up to three hours. Automatic two-way recording; simultaneous recording on both decks or sequential A/B recording for up to three hours of taping; high-speed dubbing. Music search; memo function; blank skip; remote compatible with most Philips receivers and other products; remote controls for decks A/B ..... \$499

### FCR-50 Cassette Deck

Dolby B, C NR. Features Dolby HX Pro; logic-controlled transport mechanism; alloy flywheel; hard-permalloy head; switchable MPX filter. Music search; auto music scan; blank skip; auto space record mute; Philips remote-control compatible ..... \$399

### FC-50 2-Head Cassette Deck

Dolby B, C NR. Features Dolby HX Pro; dynamically balanced cast-alloy flywheel/capstan mechanism; hard-permalloy head; electronic real-time counter; alpha text mode display; digital peak-level display with peak-level memory function; fine bias adjustment; music search; auto music scan; blank skip; timer rec/playback. Compatible with Philips RC-5 remote control ..... \$379

### FCR-40 Cassette Deck

Dolby B, C NR. Features Dolby HX Pro; logic-controlled mechanism; hard permalloy head; switchable MPX filter. Autospace record mute; auto tape selection; quick rewind jack ... \$299

### FC-40 2-Head Cassette Deck

Dolby B, C NR. Features Dolby HX Pro; computer-controlled logic transport; switchable MPX filter; auto tape selector; fine bias adjustment. Compatible with Philips RC-5 remote control ..... \$299

## PIONEER

### CT-91 3-Head Cassette Deck

Dolby B, C NR. Features full-logic controls; Dolby HX Pro; 3 heads; 2 motors; 3 power supplies; bias fine tuning; antivibration design; dual-capstan; amorphous head; FL display; system remote compatible; electronic real-time tape counter; power eject; FR 20-23,000 Hz; S/N 60 dB; w&F 0.022%. 18 x 5½ x 14½ in; 24.13lb ..... \$950

### CT-W830R Double Cassette Deck

Dolby B, C NR. Features two autoreverse record/play cassette transports; Dolby HX Pro. Cassette stabilizer, honeycomb chassis; MPX filter switch; OFC head wire. CD-deck synchro; tape dubbing from deck to deck at normal or double speed; relay recording/play; parallel recording; music/skip search; blank skip; peak-hold level meters; time counter; auto rec mute; auto tape selector; optional timer record/play; headphone output; system remote compatible. 16¾ x 5¾ x 12¾ in; 12.5 lb ..... \$500

### CT-S707 3-Head Cassette Deck

Dolby B, C NR. Features cassette stabilizer, honeycomb chassis; rigid die-cast head base; MPX filter switch; bias adjustment; Dolby HX Pro. CD-deck synchro; 4-digit electronic time counter; music/skip search; auto monitor; peak-hold level meters; auto rec mute; auto tape selector; repeat play; optional timer record/play; headphone output with volume control; system remote compatible. 16¾ x 5¼ x 12¾ in; 12.5 lb ..... \$480

### CT-S705 3-Head Cassette Deck

Dolby B, C NR. FR 20-20,000 Hz; S/N 58 dB; w&F 0.05%. 16¾ x 5¼ x 12¾ in; 13 lb ..... \$480

# CASSETTE • DECKS & DAT • DECKS

## CT-M6R Cassette Changer

6-cassette tape changer featuring Dolby B, C NR. Full-logic controls; Dolby HX Pro; record and playback capability; synchronized recording; programmed copy, and random copy; relay recording up to 9 hours; relay play; cassette scan; auto rewriter; 8-segment FL meter; 4-digit electronic counter; music skip search up to 15 selections forward and back; blank skip; auto rec mute; auto tape selector. FR 25-18,000 Hz (metal tape); S/N 58 dB (without noise reduction). 16 $\frac{1}{2}$  x 5 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in; 16.5 lb ..... \$450

## CT-M5R Cassette Changer

6-cassette autoreverse tape changer features Dolby B, C NR with MPX filter. Record and playback capability; CD-deck synchro (normal and relay); cassette scan; auto rewriter; random play; bar-graph remaining rec/play time display; FL level meter with peak hold; 4-digit electronic time counter; music skip/search; blank skip; auto rec mute; auto tape selector. 16 $\frac{1}{2}$  x 5 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in; 16.38 lb ..... \$400

## CT-S605 2-Head Cassette Deck

Single cassette deck with Dolby B, C NR and HX Pro. FR 25-17,000 Hz; S/N 58 dB; W&F 0.055%. 16 $\frac{1}{2}$  x 5 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in; 11 lb ..... \$375

## CT-W630R Double Cassette Deck

Dolby B, C NR. Features Dolby HX Pro; two autoreverse cassette transports, play (deck 1) and record/play (deck 2). Cassette stabilizer, honeycomb chassis; MPX filter switch. CD-deck synchro; tape dubbing from deck to deck at normal or double speed; music/skip search; blank skip; peak-hold level meters; auto rec mute; auto tape selector; optional timer record/play; headphone output; microphone inputs; System remote compatible. 16 $\frac{1}{2}$  x 5 $\frac{1}{2}$  x 10 $\frac{1}{2}$  in; 10.13 lb ..... \$360

## CT-W530R Double Cassette Deck

Dolby B, C NR. Features two autoreverse cassette transports, play (deck 1) and record/play (deck 2). Honeycomb chassis; MPX filter switch. CD-deck synchro; tape dubbing at normal or double speed; relay play; music/skip search; blank skip; peak-hold level meters; auto rec mute; auto tape selector; optional timer record/play; system remote compatible. 16 $\frac{1}{2}$  x 4 $\frac{1}{2}$  x 10 $\frac{1}{2}$  in; 10.13 lb ..... \$270

## CT-S405 2-Head Cassette Deck

Dolby B, C NR and HX Pro. Features dual capstan; amorphous, playback head; tape counter; music/skip search; auto monitor; 7-segment peak-hold level meters; auto monitor; auto tape selector; headphone output; system remote compatible. 16 $\frac{1}{2}$  x 4 $\frac{1}{2}$  x 10 $\frac{1}{2}$  in; 9.25 lb ..... \$230

## CT-W430 Double Cassette Deck

Dolby B, C NR and HX Pro. Features tape dubbing at normal or double speed; relay play; peak-hold level meters; auto tape selector (deck 1); optional timer record/play; Pioneer system remote ready. 16 $\frac{1}{2}$  x 4 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in; 8.63 lb ..... \$220

## CT-W330 Double Cassette Deck

Dolby B, C NR. Features tape dubbing at normal or double speed; relay play; peak-hold level meters; auto tape selector (deck 1); optional timer record/play; System remote compatible. 16 $\frac{1}{2}$  x 4 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in; 8.63 lb ..... \$200

## PROTON

### AD-630 Cassette Deck

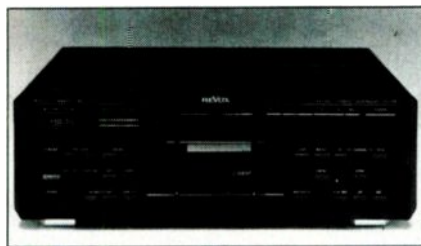
Autoreverse cassette deck with Dolby B, C, and dbx NR. Features 3-motor IC logic mechanism; real-time counter; 2-color LCD display;

MPX filter; 20 song programming; remote capability. FR 30-17,000 Hz  $\pm$  3 dB (normal), 30-18,000 Hz  $\pm$  3 dB (high bias), 30-19,000 Hz  $\pm$  3 dB (metal); S/N no NR 50 dB, Dolby B 60 dB, Dolby C 70 dB (normal tape); W&F 0.03%. 18 $\frac{1}{2}$  x 3 $\frac{1}{4}$  x 15 $\frac{1}{2}$  in; 18.7 lb ..... \$800

## REVOX

### B215-S 3-Head Cassette Deck

Cassette deck with 3 microprocessors for control of bias, level, EQ, transport, and real-time counter. Features Dolby HX Pro, Dolby B, and C; 4 motors; digital storage of bias, level, EQ settings for 6 tape formulations; manual or auto record-level setting; diecast transport chassis; azimuth-stable pivoting headblock; 2 programmable locate buttons; loop mode; auto start-of-record scan. Counter computes elapsed time on partially wound tapes. W&F 0.1% wrms; FR ferric 30-18,000 Hz  $\pm$  3 dB, high bias and metal 30-20,000 Hz  $\pm$  3 dB; S/N ratio (A-wtd) ferric: 55 dB no NR, 64 dB Dolby B, 70 dB Dolby C, high bias: 57 dB no noise reduction, 65 dB Dolby B, 72 dB Dolby C, metal: 58 dB no NR, 66 dB Dolby B, 72 dB Dolby C; line-input sens for 0-dB reading 50 mV; line-output level with 0-dB indication 775 mV; 17 $\frac{1}{2}$  x 6 x 13 in; 20 lb \$2,900 B215. As above, cosmetic differences . \$2,600



Revox B215-S

## ROTEL

### RD865 Cassette Deck

Dolby B, C, and HX Pro. Features 2 high-torque DC motors; full-logic controls; remote; manual continuously adjustable bias; 3 preset bias/EQ positions memory and repeat functions; FL bar graph meters; record mute; peak-level indicator. FR 30-20,000 Hz  $\pm$  3 dB (normal), 30-19,000 Hz  $\pm$  3 dB (high bias), 30-20,000 Hz  $\pm$  3 dB (metal); signal-to-noise ratio without noise reduction 55 dB, Dolby B 64 dB, Dolby C 73 dB. Wow-and-flutter 0.035%. 17 $\frac{1}{2}$  x 4 $\frac{1}{2}$  x 12 in; 11.5 lb ..... \$449

### RD855 Cassette Deck

Cassette deck with Dolby B and C NR. Features 2 high-torque DC motors; full-logic controls; remote; automatic tape bias and equalization; memory and repeat functions; peak-level indicator. Frequency response 30-18,000 Hz  $\pm$  3 dB (normal), 30-19,000 Hz  $\pm$  3 dB (high bias), 30-20,000 Hz  $\pm$  3 dB (metal); signal-to-noise ratio without noise reduction 55 dB, Dolby B 64 dB, Dolby C 73 dB; wow and flutter 0.035%. 17 $\frac{1}{2}$  x 4 $\frac{1}{2}$  x 12 in; 11.5 lb ..... \$349

## SANSUI

### D-X301i Cassette Deck

Dolby B, C, and HX Pro NR. Features computerized control; auto program search; bidirectional music scan; 2 repeat modes; fine bias adjustment; switchable MPX filter; auto rec mute; full logic controls; timer rec/playback; peak meters; electronic tape counter. Remote interface with other Sansui components. FR 30-20,000 Hz  $\pm$  3 dB; S/N Dolby C 75 dB; W&F 0.05% wrms. 17 x 5 x 11 $\frac{1}{2}$  in; 10 lb. Black finish ..... \$350

### D-950WR Double Cassette Deck

Autoreverse deck with Dolby B NR. Features autotape selector; high-speed dubbing; relay play; soft-key eject; LED peak-level meters; balance controls. FR 62-13,000 Hz (metal); S/N: no NR 50 dB, Dolby B NR 60 dB. Black. 16 $\frac{1}{2}$  x 3 $\frac{1}{4}$  x 9 $\frac{1}{4}$  in; 11 lbs ..... \$220 D-750WR. As above with autoreverse in play transport only ..... \$190 D-350WR. As D-950WR no autoreverse . \$170

### D-X311WR Double Cassette Deck

Autoreverse (in both transports) with Dolby B, C NR. Features Dolby HX Pro; MPX filter switch; bias control; hard permalloy heads for record and playback; double-gap ferrite head for erase. High-speed dubbing; edit dubbing; 16-song program search; auto rec mute; rec cancel; tape lead-in; memory stop; 8-cycle relay play; manual-recording level control; fluorescent peak-level indicator; 4-digit electronic counter; timer record/play; headphone output; auto tape selector. FR 20-21,000 Hz (metal); W&F 0.06% wrms; S/N (metal): NR off 58 dB, Dolby B 65 dB, Dolby C 75 dB. 16 $\frac{1}{2}$  x 4 $\frac{1}{4}$  x 10 $\frac{1}{2}$  in; 10.9 lb ..... \$350

### D-X211HXR Cassette Deck

Autoreverse deck with Dolby B and C NR. Features OFC coil amorphous record/playback head; double-gap ferrite erase head; MPX filter switch; bias control. Tape lead-in; auto rec mute; 1-piece program search; rec cancel; repeat; timer record/play; LED peak-level meters; headphone output; auto tape selector. W&F 0.06% wrms; FR 20-21,000 Hz; S/N (metal): Dolby NR off 58 dB, Dolby B NR 65 dB, Dolby C NR 75 dB. 16 $\frac{1}{2}$  x 4 $\frac{1}{4}$  x 10 $\frac{1}{2}$  in; 8.1 lb ..... \$300 D-X111HX. As above no autoreverse .... \$250

## SANYO

### RDW589 3-Head Double Cassette Deck

Dolby B and C NR. Features 4-track high-speed dubbing, twice as fast as normal high-speed dubbing; power loading; continuous playback; metal-tape capability; 5-segment LED peak-level meters; 3-digit tape counter; full auto-stop mechanism. W&F 0.08% wrms; FR 40-15,000 Hz (CrO<sub>2</sub>); S/N 65 dB (metal). 16 $\frac{1}{2}$  x 4 $\frac{1}{4}$  x 8 in \$170

### RDW489 3-Head Double Cassette Deck

Dolby B and C noise reduction. Features synchronized 1-touch high-speed dubbing; power loading; continuous playback; metal-tape capability; 5-segment LED peak-level meters; 3-digit tape counter; full auto stop mechanism. W&F 0.08% wrms; FR 40-15,000 Hz (CrO<sub>2</sub>); S/N 65 dB (metal). 16 $\frac{1}{2}$  x 5 x 7 $\frac{1}{4}$  in ..... \$150

### RDW389 3-Head Double Cassette Deck

Dolby B and C noise reduction. Features synchronized 1-touch high-speed dubbing; continuous playback; metal-tape capability; 5-segment LED peak-level meters; 3-digit tape counter; full auto stop mechanism. W&F 0.08% wrms; FR 40-15,000 Hz (CrO<sub>2</sub>); S/N 65 dB (metal). 16 $\frac{1}{2}$  x 5 x 7 $\frac{1}{4}$  in ..... \$100

### RDW41A 2-Head Double Cassette Deck

Features synchro dubbing; continuous playback; Dolby noise reduction; metal-tape capability; soft-eject doors; 5-segment LED level meters; 3-digit tape counter; auto stop. W&F 0.08% wrms; FR 60-13,000 Hz (CrO<sub>2</sub>); S/N 66 dB (metal). 16 $\frac{1}{2}$  x 5 x 8 in ..... \$80

## SHERWOOD

### DS-7000R 3-Head Cassette Deck

Dolby B and C NR. Features microprocessor supervised, full-logic control. Fine bias control; digital readout; auto tape selector; separate left/

# Do As The

If you share the beliefs of the most serious audiophiles, *Audio* magazine is something you live by. And if you saw the March 1990 issue, you must surely see the wisdom of TDK.

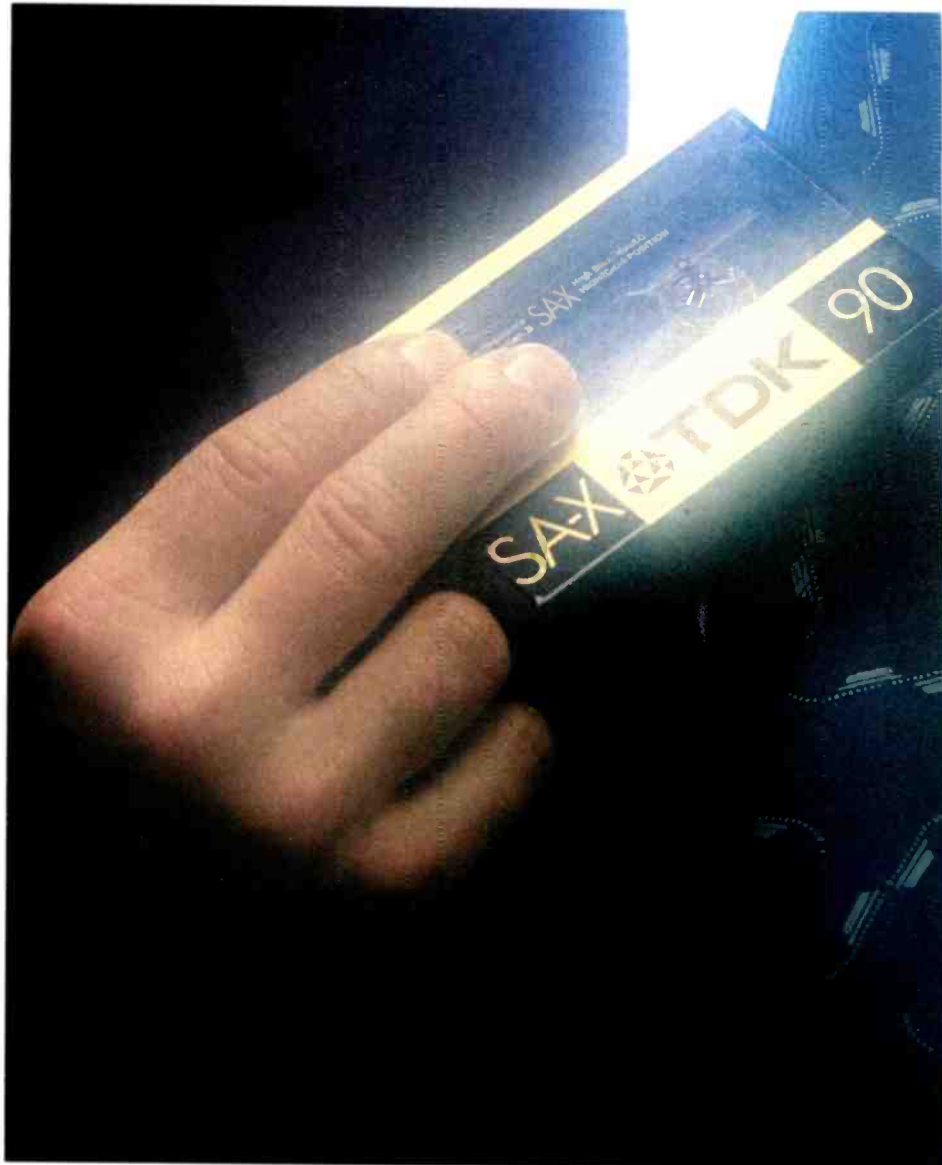
But in case you missed it, allow us to enlighten you.

In that issue, *Audio* revealed the results of a massive test it conducted among 88 blank audio cassettes. And all it could do was praise TDK.

**AUDIO MAGAZINE RATED  
TDK AR-X #1 OVERALL AMONG ALL  
NORMAL BIAS CASSETTES.**

The test began with *Audio* evaluating and comparing normal bias Type I cassettes from virtually every conceivable manufacturer.

After the data was polled, *Audio* concluded TDK AR-X was not only the best Type I tape, but "... close to the best for Type II as well." A finding that isn't all that surprising considering the technology that goes into AR-X, which results in the



highest high-frequency SOL.

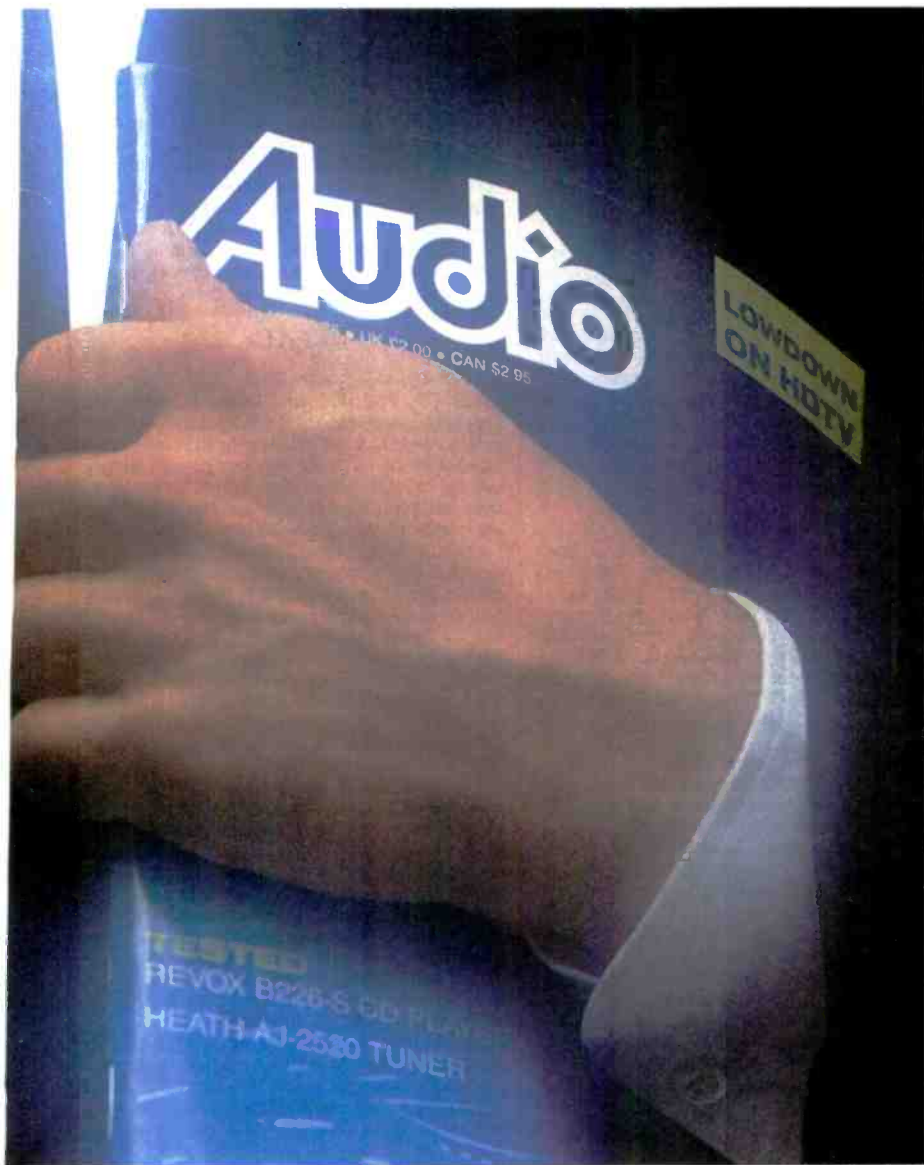
**AUDIO MAGAZINE RATED TDK SA-X  
THE #1 HIGH BIAS CASSETTE IN TERMS  
OF DYNAMIC RANGE (S/N RATIO).**

The next area for review was the high bias Type II segment. And in this highly

competitive arena, the engineer *Audio* used found the performance of TDK no less impressive: TDK SA-X, with its dual coating of Super Avilyn particles, has the



# Bible Says.



example of which is the MA-XG. And by the end of the test, it was the chosen tape of *Audio*.

After a close and exhaustive scrutiny of Type IV tapes, based on several parameters, TDK MA-XG was not only the choice as the best Type IV tape, but also the best tape on the market. Period.

So why not write to TDK Reprints, P.O. Box 166, 70A Greenwich Ave., New York, NY 10011, for a condensed reprint of the ultimate tape test from the ultimate authority.

If you're serious about your sound, you'll practice what *Audio* preaches, and use TDK.

widest dynamic range of any high bias tape. Which perhaps explains why serious audiophiles have always found CD recordings made on TDK SA-X to be so incred-

ibly faithful to the original.

**AUDIO MAGAZINE RATED TDK METAL MA-XG #1 OF ALL 88 TAPES TESTED.**

TDK has a long history of innovation in metal tape technology, the most recent



As Serious  
As You Can Get.

# CASSETTE • DECKS & DAT • DECKS

right record-level adjustment; output-level control; mic and headphone jacks; 13-segment rec-level indicators; rec-mute button; timer switch; 2-line input jacks with record cross fader. FR 30-18,000 Hz; S/N 75 dB; ch sep at 1 kHz 40 dB; W&F 0.05%. 17 $\frac{3}{8}$  x 5 x 11 in. .... \$469

## DD-1230R Double Cassette Deck

Autoreverse and Dolby B and C NR. Features microprocessor supervised, full-logic control. Digital tape counter; normal/high speed dubbing; bidirectional auto music search; auto tape selector; fully synchronized 1-touch dubbing; relay play with alternate playback deck; rec-mute button; separate rec-level and balance control; 13-segment rec-level indicators; timer-record and start; illuminated tape-direction indicators; air-dampened soft-eject cassette doors. FR 30-16,000 Hz; S/N 75 dB; ch sep at 1,000 Hz 40 dB; W&F 0.12%. 17 $\frac{3}{8}$  x 4 $\frac{3}{4}$  x 8 $\frac{7}{8}$  in. .... \$299

## DS-1630R Cassette Deck

Autoreverse, Dolby B and C NR. Features microprocessor-supervised, full-logic control. Digital readout; auto tape selector; 2-line input jacks with record cross fader; auto music search system; 3 playback modes; mic and headphone jacks; rec-level and balance controls; output-level control; 12-segment rec-level indicators; rec-mute button; air-dampened soft-eject cassette door; timer switch. FR 30-18,000 Hz; S/N 75 dB; ch sep at 1,000 Hz 40 dB; W&F 0.09%. 17 $\frac{3}{8}$  x 5 x 11 in. .... \$289

## DS-1135C Cassette Deck

Dolby B and C NR. Features Dolby HX Pro; average/peak-level indicators; elapsed time indicator; 1 mic input. FR 30-16,500 Hz  $\pm$  6 dB; W&F 0.08%; S/N 72 dB. Digi-Link remote compatible. 9 lb. .... \$199

## DD-1130 Double Cassette Deck

Dolby B and C NR. Features high-speed dubbing; synchronized dubbing; relay play; continuous play; normal, chrome, and metal-tape settings; adjustable recording level; three-digit tape counter; LED recording-level indicators; air-dampened soft-eject cassette doors. FR 30-16,000 Hz; S/N 73 dB; ch sep at 1,000 Hz 37 dB; W&F 0.2%. 17 $\frac{3}{8}$  x 4 $\frac{3}{4}$  x 8 $\frac{7}{8}$  in. .... \$159

## DD-1032C Double Cassette Deck

Dolby B NR. Features average/peak-level indicators; elapsed time counter. FR 30-15,500  $\pm$  6 dB; W&F 0.15%; S/N 65 dB; remote compatible. 7.7 lb. .... \$140

## DD-1030 Double Cassette Deck

Dolby B NR. Features relay/continuous play; normal/high-speed dubbing; average/peak-level indicators; elapsed-time counter. FR 30-15,000 Hz  $\pm$  6 dB; S/N 64 dB; ch sep at 1,000 Hz 37 dB; W&F 0.2%. .... \$139

## SONY

### TC-WR820 Double Cassette Deck

Autoreverse, Dolby B and C NR. HX Pro; dual/simultaneous record; high-speed dubbing; auto music sensor; relay play; remote compatible. FR 30-18,000 Hz; W&F 0.07%; S/N 58 dB. 17 x 5 $\frac{1}{2}$  x 11 $\frac{1}{4}$  in; 10.13 lb. .... \$470

### TC-WR720 Double Cassette Deck

Autoreverse, Dolby B and C NR. HX Pro; high-speed dubbing; automatic music sensor; relay play; remote compatible. FR 30-15,000 Hz; W&F 0.07%; S/N 58 dB. 17 x 5 $\frac{1}{2}$  x 11 $\frac{1}{4}$  in; 10.3 lb. .... \$350

### TC-WR620 Double Cassette Deck

Autoreverse, Dolby B and C NR. HX Pro; relay play; high-speed dubbing; automatic music sen-

sor; remote compatible. FR 30-15,000 Hz; W&F 0.07%; S/N 58 dB. 17 x 5 $\frac{1}{2}$  x 11 $\frac{1}{4}$  in; 10 lb. .... \$280

### TC-WR520 Double Cassette Deck

Autoreverse, Dolby B and C NR. High-speed dubbing; remote compatible; feather-touch controls. FR 30-15,000 Hz; W&F 0.08%; S/N 58 dB. 17 x 4 $\frac{3}{4}$  x 11 $\frac{1}{4}$  in; 10 lb. .... \$225

### TC-RX420 Cassette Deck

Autoreverse, Dolby B and C NR. HX Pro; high-density heads; remote compatible; auto music search. FR 30-15,000 Hz; W&F 0.07%; S/N 58 dB. 17 x 4 $\frac{3}{4}$  x 11 $\frac{1}{4}$  in; 8.14 lb. .... \$240

### TC-W310 Double Cassette Deck

Dolby B and C noise reduction. Features high-speed dubbing. FR 30-15,000 Hz; W&F 0.12%; S/N 58 dB. 17 x 4 $\frac{3}{4}$  x 11 $\frac{1}{4}$  in; 7 lb, 8 oz. .... \$190

### TC-FX120 Cassette Deck

Dolby B and C NR. High-density heads; soft-touch controls; drum counter tape; LED meters. FR 30-15,000 Hz; W&F 0.09%; S/N 58 dB. 17 x 4 $\frac{3}{4}$  x 11 $\frac{1}{4}$  in; 7.12 oz. .... \$130

## Elite Series

### TC-K950ES 3-Head Cassette Deck

Dolby B and C NR. Features HX Pro; LC-OFC laser amorphous heads; closed-loop dual-capstan transport; quartz-lock direct-drive 3-motor design; linear counter; record-level calibration; variable bias; automatic tape type selection; MPX filter switch; auto play; auto space/record mute; timer record/playback; remote compatible. FR 15-22,000 Hz  $\pm$  3 dB; W&F 0.024%; S/N 61 dB. 18 $\frac{1}{2}$  x 5 $\frac{1}{2}$  x 15 in; 25.13 lb. .... \$900

### TC-WR90ES Double Cassette Deck

Dolby B and C NR. Features HX Pro; laser amorphous heads; 6-motor (3 per transport) design; single-drive capstans; autoreverse; high-speed dubbing; relay play; auto pause; linear real-time counter; automatic music sensor; full-logic controls; blank skip; auto tape-type selection; remote compatible; 210 kHz super bias. FR 20-20,000 Hz  $\pm$  3 dB; W&F 0.06%; S/N 59 dB. 18 $\frac{1}{2}$  x 5 $\frac{1}{2}$  x 13 $\frac{1}{2}$  in; 15.14 lb. .... \$600

### TC-K850ES 3-Head Cassette Deck

Dolby B and C NR. Features HX Pro; laser amorphous heads; direct-drive dual capstans; linear tape counter; calibration bias adjustment; full-logic controls; auto music search; multiplex filter switch; remote compatible. FR 15-21,000 Hz  $\pm$  3 dB; W&F 0.024%; S/N 59 dB. 17 x 5 $\frac{1}{2}$  x 13 $\frac{1}{2}$  in; 15.4 lb. .... \$600

### TC-WR80ES Double Cassette Deck

Dolby B and C NR. Features HX Pro; high-speed dubbing; autoreverse; relay play; laser-amorphous heads; auto MPX switch; linear counter; auto music sensor; auto tape type; auto focus recording; remote compatible. FR 20-20,000 Hz  $\pm$  3 dB; W&F 0.07%; S/N 59 dB. 17 x 5 $\frac{1}{2}$  x 11 $\frac{1}{4}$  in; 10.13 lb. .... \$400

### TC-K650ES 3-Head Cassette Deck

Dolby B and C NR. Features HX Pro; laser amorphous heads; single-drive capstans; fine bias adjustment; full-logic controls; MPX switch; linear tape counter; auto music search; FR 20-21,000 Hz  $\pm$  3 dB; W&F 0.09%; S/N 58 dB. 17 x 4 $\frac{3}{4}$  x 11 $\frac{1}{4}$  in; 10.3 lb. .... \$400

### TC-RX70ES Cassette Deck

Dolby B and C NR. HX Pro; laser amorphous heads; single-drive capstans; autoreverse; full-logic controls; MPX switch; linear tape counter; auto music search; auto focus recording; remote compatible. FR 20-20,000 Hz  $\pm$  3 dB; W&F 0.06%; S/N 58 dB. 17 x 5 x 11 $\frac{1}{4}$  in; 10.3 lb. .... \$320

## DAT Decks

### DTC-75ES DAT Recorder

High density linear converter system compatible with 32, 44.1, and 48 kHz sampling rates. 45-bit noiseshaping digital filter; direct-digital sync; 4-stage feed-forward circuit; digital servo IC; 4-motor transport design; multiregulated power supply stages; low-noise copper chassis; vibration-resistant transport. Features high-speed music search; music scan; 3-way repeat; 10-key direct-access track selection; 60-track programming; start/skip/end; 4-hr record/playback mode; variable fader; optical and coaxial digital input; wireless remote control; 3-yr parts-and-labor warranty. .... \$950

### DTC-700 DAT Recorder

High density linear converter system compatible with 32, 44.1, 48 kHz sampling rates. 45-bit noiseshaping digital filter; direct digital sync; 4-stage feed-forward circuit; digital servo IC; 4-motor transport design; vibration-resistant transport. Features high-speed music search; music scan; 3-way repeat; 10-key direct-access track selection; 60-track programming; start/skip/end ID; 4-hr record/playback mode; variable fader; optical and coaxial digital input; wireless remote control; 3-yr parts-and-labor warranty. .... \$900

## TEAC

### R-919X 4-Head Cassette Deck

Dolby HX Pro, dbx, and Dolby B and C NR. Features 3-motor IC-logic transport; double ac-culign rotating head system; hysteresis tension servo-control system; bipolar power supply and DC configuration circuit; autoreverse/repeat; multifunction FL display; electronic tape index counter with tape-run time mode; 2-color L/R peak program-level meter; fine-bias adjustment; program search; direct selection; intro check; blank scan; memory play/stop; block repeat; auto monitor; master rec-level control; output-level control; MPX filter; timer rec/playback capability. Optional wood side panels. Includes multifunction wireless remote control. W/F 0.029% wrms; FR 25-20,000 Hz  $\pm$  3 dB (metal); S/N 80 dB at 1,000 Hz (Dolby C). 17 $\frac{1}{2}$  x 4 $\frac{3}{4}$  x 10 $\frac{1}{4}$  in, 13 $\frac{1}{4}$  lb. .... \$830

### W-990RX Double Cassette Deck

Dolby B and C and dbx NR. Features continuous rec/playback, and parallel recording; 3-motor IC-logic control mechanism; bipolar power supply and DC configuration circuit; sync reverse capability; 1-touch high-speed and normal-speed dubbing; intro check memory dubbing system; random memory program dubbing; reverse-edit function; editing dubbing; cobalt amorphous LC-OFC rec/play head; multifunction FL display; independent electronic counter for decks A and B; 2-color L/R peak program level meter; program search; direct selection; intro check; blank scan; timer rec/playback; auto tape select; rec mute with auto spacer; headphone jack. Includes multifunction wireless remote control. W/M 0.045% wrms; FR 30-19,000 Hz  $\pm$  3 dB; S/N 78 dB at 1,000 Hz (Dolby C). .... \$800

### V-970X 3-Head Cassette Deck

Dolby HX Pro, dbx, and Dolby B, C NR. Features 3-motor IC-logic transport; closed-loop dual-capstan drive; independently micro-aligned rec and play head with cobalt amorphous LC-OFC winding; hysteresis tension servo-control system; bipolar power supply and DC configuration circuit; multifunction FL display; electronic tape index counter with tape run time mode; 2-color L/R peak program-level meter; fine-bias adjustment; L/R level control; program search; direct selection; intro check;

# CASSETTE • DECKS & DAT • DECKS

blank scan; memory play/stop function; block repeat; auto monitor; master rec level; output-level control; MPX filter; timer rec/playback capability. Wood side panels optional. Includes multifunction wireless remote control. w/F 0.028% wrms; FR 25-20,000 Hz  $\pm$  3 dB (metal); S/N 80 dB at 1,000 Hz (Dolby C)..... \$800

## V-680 3-Head Cassette Deck

Dolby B and C NR, Dolby HX Pro. Features 2-motor IC-logic control mechanism; bipolar supply; direct-coupled circuitry; MPX filter; timer rec/play; headphone jack; auto tape selector. w&F 0.06% wrms; FR 20-21,000 Hz (metal); S/N 70 dB at 5,000 Hz (Dolby B). 17 $\frac{1}{8}$  x 4 $\frac{3}{8}$  x 10 $\frac{1}{2}$  in, 11 lb..... \$450

## W-550R Double Cassette Deck

Features Dolby B and C NR, Dolby HX Pro. 2-motor IC-logic control mechanism; bi-polar supply; autoreverse; blank scan; sync reverse; hard-permalloy heads; 2-color LED meter; rec mute; auto tape selector; headphone jack; 1-touch high-speed/normal dubbing; continuous play; timer rec/play. System remote compatible. w&F 0.07% wrms; FR 30-18,000 Hz (chrome); S/N 69 dB at 5,000 Hz (Dolby B) \$360  
**V-580.** Same as the above but with two heads and no MPX filter. FR 20-18,000 Hz (chrome); S/N 69 dB at 5,000 Hz (Dolby B). 17 $\frac{1}{8}$  x 4 $\frac{3}{8}$  x 10 $\frac{1}{2}$  in, 11 lb..... \$350

## R-540 Cassette Deck

Autoreverse, Dolby HX Pro, Dolby B and C NR. Features 2-motor IC-logic control mechanism; bipolar power supply; hard-permalloy heads; 2-color LED meter; rec mute; auto tape selector; headphone jack; timer rec/play. System remote compatible. w&F 0.07% wrms; FR 30-18,000 Hz (chrome); S/N 69 dB at 5,000 Hz (Dolby B)..... \$290

## W-450R Double Cassette Deck

Autoreverse, Dolby HX Pro, Dolby B and C NR. Features continuous playback and bidirectional recording in deck B; sync reverse/sync dubbing capability; 1-program skip function in deck B; auto tape selector. w&F 0.05% wrms; FR 30-17,000 Hz (metal); S/N 70 dB (Dolby C). 4 $\frac{7}{8}$  x 17 $\frac{1}{8}$  x 10 $\frac{1}{2}$  in, 10.1 lb..... \$290  
**R-455 CHX.** Similar to above, single deck \$220  
**V-285-CHX.** Similar to above, single deck, no autoreverse..... \$150

## W-470 Double Cassette Deck

Dolby B and C NR. Features IC-logic control mechanism; bipolar power supply; hard-permalloy heads; intro check; skip play; 2-color LED meter; rec mute; auto tape selector; headphone jack; timer rec/play; 1-touch high-speed/normal dubbing; continuous play. System remote compatible. w&F 0.07% wrms; FR 30-17,000 Hz (chrome); S/N 69 dB at 5,000 Hz (Dolby B). 17 $\frac{1}{8}$  x 5 x 11 $\frac{1}{2}$  in; 10.5 lb..... \$250

## R-445 Cassette Deck

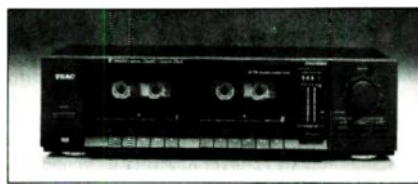
Autoreverse, Dolby B and C NR. Features bidirectional rec/play. 1-program skip function; repeat; 2-color LED meter; rec mute; headphone jack. w&F 0.06% wrms; FR 30-17,000 Hz (chrome); S/N 65 dB at 5,000 Hz (Dolby B). 17 $\frac{1}{8}$  x 4 $\frac{3}{8}$  x 8 $\frac{1}{2}$  in; 6.6 lb..... \$210

## W-370C Double Cassette Deck

Dolby B and C NR. Features continuous playback from deck A to deck B; normal/high-speed dubbing; fine bias adjustment; 2-color LED meter; full auto-stop mechanism; auto tape-type selector; 3-digit mechanical tape counter; metal-tape compatibility. Wow and flutter 0.095% wrms; FR 30-15,000 Hz (chrome); signal-to-noise ratio 65 dB at 5,000 Hz (Dolby B). 17 $\frac{1}{8}$  x 4 $\frac{3}{8}$  x 8 $\frac{1}{2}$  in; 7 lb..... \$200

## W-360HX Double Cassette Deck

Features Dolby B NR, Dolby HX Pro. Continuous playback system; high-speed dubbing. 2-color LED meter; auto-stop mechanism; metal tape capability. w/F 0.09% wrms; FR 30-15,000 Hz (chrome); S/N 65 dB at 5,000 Hz (Dolby B). 17 $\frac{1}{8}$  x 4 $\frac{3}{8}$  x 8 $\frac{1}{2}$  in, 7 $\frac{1}{2}$  lb..... \$200



Teac W-360HX

## V-480 Cassette Deck

Dolby B and C NR, Dolby HX Pro. Features IC-logic control mechanism and bipolar power supply. Features hard-permalloy heads; fine-bias adjustment; 2-color LED meter; rec mute; auto tape-type selector; headphone jack; timer rec/play. System remote compatible. w&F 0.07% wrms; FR 30-17,000 Hz (chrome); S/N 69 dB at 5,000 Hz (Dolby B). 17 $\frac{1}{8}$  x 5 x 11 $\frac{1}{2}$  in; 9.9 lb..... \$200

## W-350 Double Cassette Deck

Dolby B NR. Features continuous playback from deck B to deck A; normal/high-speed dubbing; 2-color LED meter; auto-stop mechanism; auto tape-type select; 3-digit mechanical tape counter; metal tape compatibility. w/F 0.095% wrms; FR 30-15,000 Hz (chrome); S/N 65 dB at 5,000 Hz (Dolby B). 17 $\frac{1}{8}$  x 4 $\frac{3}{8}$  x 8 $\frac{1}{2}$  in; 7 lb..... \$170

## V-270C Cassette Deck

Dolby B and C NR. Features fine bias adjustment; auto-stop mechanism; metal tape compatibility; 3-position tape selector; 2-color LED meter; 1-touch recording; 3-digit mechanical tape counter. w&F 0.095% wrms; FR 30-15,000 Hz (chrome); S/N 65 dB at 5,000 Hz (Dolby B). 17 $\frac{1}{8}$  x 4 $\frac{3}{8}$  x 8 $\frac{1}{2}$  in; 6.4 lb..... \$140

## V-260HX Cassette Deck

Dolby B NR, Dolby HX Pro. Features 2-color LED meter; metal tape capability; auto stop mechanism. w&F 0.09% wrms; FR 30-16,000 Hz (metal); S/N 65 dB (Dolby B). 17 $\frac{1}{8}$  x 4 $\frac{3}{8}$  x 8 $\frac{1}{2}$  in, 6 $\frac{1}{2}$  lb..... \$140

## V-250 Cassette Deck

Dolby B NR. Auto-stop; metal tape capability; 3-position tape selector; 1-touch recording. w&F 0.09% wrms; FR 30-18,000 Hz (metal); S/N 65 dB (Dolby B). 17 $\frac{1}{8}$  x 4 $\frac{3}{8}$  x 8 $\frac{1}{2}$  in; 6.4 lb \$120

## TECHNICS

### RS-B965 3-Head Cassette Deck

Dolby B, C NR. Features HX Pro; quartz-locked direct-drive capstan motor; closed loop, dual-capstan transport; cassette stabilizer; amorphous head system; isolated circuit chassis design; independent power supplies; dual-range FL peak-hold meters; semiautomatic bias/record level calibration; real-time electronic tape counter; auto record mute; auto tape selector; memory stop/repeat. FR 20-22,000 Hz (chrome); S/N 66 dB (Dolby B, chrome); w&F 0.03%. 17 x 5 $\frac{1}{2}$  x 11 $\frac{1}{2}$  in; 14.1 lb..... \$680

### RS-B755 3-Head Cassette Deck

2-motor quartz-locked deck with Dolby B, C NR. HX Pro high-torque direct-drive motor; high-precision digital servo; 2-motor full-logic control; cassette stabilizer with power loading; bias fine adjustment; record-level calibration; dual-range peak-hold FL meters; dual mode

electronic counter with memory stop/repeat; auto record mute; auto tape selector. FR 20-20,000 Hz (chrome); S/N 66 dB (Dolby B, chrome); w&F 0.05%. 17 x 5 $\frac{1}{2}$  x 11 $\frac{1}{2}$  in; 11.7 lbs..... \$440

### RS-BR465 2-Motor Cassette Deck

Autoreverse deck with Dolby B and C NR. Features HX Pro; solenoid operated full-logic feather-touch controls; peak-hold FL meters; electronic counter with memory stop; remote-control capability; auto record mute; auto tape selector; cue and review functions; master record-level and balance controls. FR 20-17,000 Hz (chrome); S/N 66 dB (Dolby B, chrome); w&F 0.07%. 17 x 5 x 11 $\frac{1}{2}$  in; 9.5 lb..... \$230

### RS-TR555 Dual Cassette Deck

Dolby B and C NR. HX Pro; 2-motor transport; full-logic touch controls; dual-range FL peak-level meters; metal compatibility; simultaneous parallel recording; 3-hr series recording; 24-hr series playback; high-speed editing; synchro start/stop and rec mute; dual electronic tape counters; remote-control capability; CD synchro editing with selected Technics CD players; music select; auto tape select; L/R independent rec-level controls; timer rec/playback capability; headphone jack. Brushed-aluminum front panel. FR 20-18,000 Hz (chrome); S/N 66 dB; w&F 0.07%. 17 x 5 $\frac{1}{2}$  x 11 $\frac{1}{2}$  in; 12.1 lb \$440

### RS-TR355 Dual Cassette Deck

Dolby B and C NR. HX Pro; full logic soft-touch controls; dual-range FL peak-level meters; 2-speed DC servo-motors; metal tape compatibility; 24-hr series playback; high-speed editing; synchro start/stop and auto rec mute; CD synchro editing; dual electronic tape counters; remote control; auto tape select; cue and review; L/R independent rec-level controls; timer rec/playback capability; headphone jack. Frequency response 20-18,000 Hz (chrome); S/N 66 dB (Dolby B, chrome); wow-and-flutter 0.1%. 17 x 5 $\frac{1}{2}$  x 11 $\frac{1}{2}$  in; 10.6 lb..... \$300

### RS-TR265 Dual Cassette Deck

Dolby B and C NR. HX Pro; full-logic solenoid feather-touch transports; 2-color LED peak-level meters; 2-speed DC servo motors; metal-tape compatibility; high-speed editing; synchro start/stop editing; auto record mute; CD synchro editing; 24-hr series playback; remote control. FR 20-16,000 Hz (chrome); S/N 66 dB (Dolby B, chrome); w&F 0.1%. 17 x 5 $\frac{1}{2}$  x 11 $\frac{1}{2}$  in; 10.6 lb..... \$250

### RS-TR165 Dual Cassette Deck

Dolby B and C NR. Features full-logic solenoid feather-touch transports; 2-color LED peak-level meters; 2-speed DC servo motors; electronic NR and reverse mode selectors; metal-tape compatibility; autoreverse; high-speed editing; synchro start/start editing; auto record mute; 18-hr series playback; remote control capability. FR 20-16,000 Hz (chrome); S/N 66 dB (Dolby B, chrome); w&F 0.1%. 17 x 5 $\frac{1}{2}$  x 11 $\frac{1}{2}$  in; 10.6 lb..... \$230

### RS-TR155 Dual Cassette Deck

Autoreverse deck with Dolby B NR. Features full-logic soft-touch controls; 2-color LED peak-level meters; 2-speed DC servo motors; metal compatibility; 18-hr series playback; high-speed editing; synchro start/stop and auto rec mute; CD synchro editing; remote control capability; auto tape select; cue and review; L/R independent rec-level controls; 3-digit tape counter; timer rec/playback capability; headphone jack. Frequency response 20-16,000 Hz (chrome); signal-to-noise ratio 66 dB (Dolby B, chrome); wow and flutter 0.1%. 17 x 5 $\frac{1}{2}$  x 11 $\frac{1}{2}$  in; 10.6 lb..... \$210

# CASSETTE • DECKS & DAT • DECKS

## UHER OF AMERICA

### CR 1601 3-Head Portable Cassette Deck

Compact front-loading portable cassette recorder with monitor facility featuring 8 hours record time and built-in voice-actuating system. Features 2 motors; direct drive; dual capstans; manual azimuth adjust; elapsed-time counter; output-level control; bias fine tuning; memory stop/play; LED meters; soft-touch controls; mike inputs; headphone jack; rec mute; 3 tape speeds: 1.88 ips, 0.94 ips and 0.16 ips with ALC. FR 20-19,000 Hz (ferric)  $\pm 3$  dB; w&F  $< 2\%$  wrms.  $9\frac{1}{4} \times 2\frac{1}{4} \times 7\frac{1}{4}$  in; 5 lb. .... \$1,890

### CR 1600 3-Head Portable Cassette Deck

Compact front-loading, fully electronic, autoreverse, record/playback stereo cassette recorder with Dolby B noise reduction. Features 8 hours record time with built-in voice-activation system; 2-motors; 4-tracks; A/V input capability; switchable ALC with 2-time constants; separate channel record-level meters;  $1\frac{1}{4}$  and  $\frac{1}{2}$  ips; remote; soft-touch solenoid controls with built-in speaker; operates on dry cell, 12-V car battery, or 110/220 V AC. FR 30-16,000 Hz; w&F  $\pm 1\%$ .  $9 \times 2\frac{1}{4} \times 7\frac{1}{4}$  in; 5.75 lb. .... \$1,890

### Accessories

F-423 Diapilot. Self-contained unit for synchronized tape control operation of automatic slide projector. DIN plug connector. .... \$270

Z-135. Power supply/charger unit for Uher cassette recorders. .... \$112

## VECTOR RESEARCH

### VCX-270 Cassette Deck

Features Dolby B and C NR and HX-Pro; high-frequency play trim; fine bias adjustment; 2 motor-logic tape transport; switchable MPX filter; headphone jack w/ volume. FR 30-17,000 Hz; signal-to-noise ratio Dolby C 75 dB, Dolby B 67 dB; wow-and-flutter 0.05% wrms.  $16\frac{1}{2} \times 4\frac{3}{4} \times 11\frac{1}{4}$  in, 12.5 lb. .... \$280

### VCX-255 Cassette Deck

Dolby B and C NR. Features soft-touch controls; fine-bias adjustment. L/R channel mic input; record-balance control; metal tape capability. FR 30-17,000 Hz  $\pm 3$  dB normal, 30-17,000 Hz  $\pm 3$  dB high bias, 30-18,000 Hz  $\pm 3$  dB metal; signal-to-noise ratio Dolby B 67 dB, Dolby C 75 dB; wow and flutter 0.05% wrms.  $17 \times 4\frac{1}{2} \times 11\frac{1}{4}$  in; 11.5 lb. .... \$180

## YAMAHA

### KX-1200Ti 3-Head Cassette Deck

Dolby B and C NR. Features 28-key wireless remote; double dbx dynamic expansion; closed-loop dual-capstan tape transport; ORBIT system with optical balance tuning indicator; Dolby HX Pro headroom extension; amorphous head; full-logic control; optimum recording-level indicator; RS-integrated system remote compatibility. Titanium finish; 22 lb. .... \$749

### KX-W900Ti Double Cassette Deck

Autoreverse. Featuring amorphous recording and playback heads; play, record, and autoreverse on both decks; relay play and record; Dolby B and C noise reduction and Dolby HX Pro; dubbing modes: high-speed, auto, skip, random program, manual, cross-Dolby; simultaneous independent recording; 44-key wireless remote-control; random program play (both decks); music search (both decks); intro scan; record return; auto record mute; blank skip; auto tape selection; 4-digit electronic linear tape counter; 13-segment peak-level meters on

both decks; remaining time indicator. Titanium finish; 18 lb. .... \$699  
KX-W900U. As above, black. .... \$699

### KX-930Ti 3-Head Cassette Deck

28-key wireless remote-control. Features double-dbx dynamic-bias servo; double Dolby B and C NR; closed-loop dual-capstan tape transport; ORBIT system with optical balance tuning system automatically sets bias and HF tape sets; Dolby HX Pro headroom extension; auto tape selector; auto monitor; direct music search; 9 selection program playback; timer rec and play; repeat; memory stop; intro scan; play trim; bias adjust; 12-layer amorphous heads; PCCD coil winding; full-logic control; 19 segment LCD meter with peak hold; master fader; 2-speed ff/rew; optimum rec-level indicator; headphone jack with level control; RS remote control with 028 keys; RS-integrated system remote compatibility; rounded front-panel design. Titanium finish. .... \$599  
KX-930. As above, black. .... \$599

### KX-W602Ti Double Cassette Deck

Autoreverse deck with rec and playback on both decks. Features full-logic 2-motor transports in each deck; amorphous rec/play heads; Dolby B and C NR; Dolby HX Pro headroom extension (deck A); 13-segment peak-level meter; 4-digit linear counter; dubbing modes: manual, normal, high-speed, auto, skip, random program; remaining time display; relay play for 24-hr cont play; relay rec; 9-selection random program play; RS-integrated remote-control compatibility. Includes 31-key wireless remote control. Titanium finish; 13 lb. .... \$519  
KX-W602. As above, black. .... \$519

### KX-R730Ti Cassette Deck

Dolby B and C NR. Features Dolby HX Pro dynamic bias servo; auto rev and playback with optical sensor; 4 motor transport; microcomputer-controlled auto rec level with digital level indicator; amorphous play head/rec head; 13-segment LCD peak-level meter; LCD linear time counter; auto fader; MPX filter; two-speed fast forward/rewind; bidirectional intro scan; auto tape selector; auto rec mute; rec return; memory stop; remote-control eject-close; headphone output with level control; music search; repeat; RS-integrated system remote-control compatibility. Includes 27-key wireless remote-control. Titanium finish. .... \$499  
KX-R730. As above, black. .... \$499

### KX-630Ti 3-Head Cassette Deck

Double Dolby B and C NR. Features Dolby HX Pro headroom extension; hard permalloy rec head; amorphous play head; double-gap ferrite erase head; 13-segment LCD peak-level meter; LCD linear time counter; master fader; MPX filter; high-speed ff/rew; remaining time indicator; random program; optimum rec level indicator; bidirectional intro scan; manual bias adjustment  $\pm 20\%$ ; play trim; auto tape selector; auto rec mute; rec return; memory stop; output-volume control; headphone output with level control; music search; repeat; RS integrated system remote-control compatibility. Includes remote. Titanium finish. .... \$469  
KX-630. As above, black. .... \$469

### KX-530Ti Cassette Deck

Dolby B and C NR. Features Dolby HX Pro dynamic bias servo; amorphous play head/rec head; double-gap ferrite-erase head; 16-segment LCD peak-level meter; LCD linear time counter; master fader; MPX filter; high-speed ff/rew; play trim; remaining-time indicator; random program; optimum rec-level indicator; bidirectional intro scan; auto tape selector; rec mute; rec return; memory stop; headphone out-

put with level control; music search; repeat; RS integrated system remote-control compatibility. Includes 27-key wireless remote-control. Titanium finish. .... \$399  
KX-530. As above, black. .... \$399

### KX-W332Ti Double Cassette Deck

Autoreverse rec and playback on deck A and playback only on deck B. Features full-logic 2-motor transport in each deck; 12-layer amorphous rec/play heads (deck A); hard permalloy playback head (deck B); Dolby B and C NR; Dolby HX Pro headroom bias servo; 6-segment peak-level meter; one-touch dubbing; auto rec mute; music search; full repeat; record return; relay play; auto tape selector; headphone jack; RS-integrated system remote-control compatibility. Optional wireless remote-control. Titanium finish. .... \$399  
KX-W332Ti. As above, black. .... \$399

### KX-R430 Cassette Deck

Autoreverse cassette deck with Dolby B and C NR. Features amorphous head; bidirectional intro scan; Dolby HX Pro headroom extension; 2 heads; 2 motors; music search; full, single, and phrase repeat; rec return; auto rec mute; auto tape selector; timer rec and play; headphone jack; 7-segment LED peak-level meter; MPX filter; blank skip; manual bias adjustment  $\pm 20\%$ ; integrated system remote compatibility. Includes 11-key wireless remote. Black. 11 lb. .... \$349

### KX-230 Cassette Deck

Dolby B and C NR. Features hard-permalloy head; 2-motor transport; full-logic control; bidirectional intro scan; full repeat and phrase repeat; Dolby HX Pro headroom extension; auto tape selector; rec return; auto rec mute; 7-segment peak-level meter; MPX filter; manual bias adjustment  $\pm 20\%$ ; timer rec/play; headphone jack; RS-integrated system remote-compatibility. Optional RS-K3 remote. .... \$269

### KX-330Ti Cassette Deck

Dolby B and C NR. Features Dolby HX Pro dynamic bias servo; 2-motor transport; amorphous play head/rec head; 13-segment LCD peak-level meter; 3 digital LCD linear time counter; MPX filter; play trim; bias adjust; record-level balance control; optimum-rec-level indicator; bidirectional intro scan; auto tape selector; memory stop; headphone output; music search; repeat; RS-integrated system remote-control compatibility. Includes 12-key wireless remote-control. Titanium finish. .... \$299  
KX-330. As above, black. .... \$299

### KX-W232 Double Cassette Deck

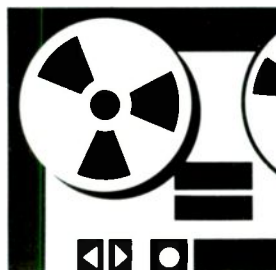
Rec and playback on deck A and playback only on deck B. Features full-logic 2-motor transport in each deck; hard permalloy rec/play heads; Dolby B and C NR; 6-segment peak-level meter; one-touch dubbing; high-speed and normal dubbing; auto rec mute; music search; record return; relay play; auto tape selector; record-balance control; headphone jack; RS integrated system remote-control compatibility. Optional wireless remote-control. Black finish. .... \$299

### KX-130 Cassette Deck

Dolby B and C NR. Features hard-permalloy head; 1 motor transport; full-logic control; 6-segment peak-level meter; auto tape-type selection; rec mute/return; separate left/right level controls; headphone jack. Black. 11 lb. .... \$219

Abbreviations used within this buyers' guide are explained on pages 239-245.

# OPEN-REEL • TAPE • DECKS



## OTARI

### MX-5050 Series

#### MK III-4 Open-Reel Tape Deck

Two speeds (15 and 7½ ips) with ½-in 4-channel format. Features 10½-in reel; built-in dual-frequency test oscillator; ±7% variable speed control; 3-head design; selective reproduce for overdubbing; 3 motors. Frequency response (record/reproduce) 15 ips (0 vu): 30-20,000 Hz ± 2 dB, 7½ ips (-10 vu): 20-16,000 Hz ± 2 dB; frequency response (selective reproduce) 15 ips (0 vu): 30-18,000 Hz ± 2 dB, 7½ ips (-10 vu): 30-13,000 Hz ± 2 dB; signal-to-noise 69 dB for 15 ips, 70 dB for 7½ ips; wow-and-flutter 0.04% for 15 ips, 0.06% for 7½ ips. 21¼ x 19¼ x 27½ in; 77 lb ..... \$5,935

**MK III-8.** As above with 8-channel format. Frequency response (record/reproduce) 15 ips (0 vu): 40-22,000 Hz ± 2 dB, 7½ ips (-10 vu): 30-18,000 Hz ± 2 dB; signal-to-noise 68 dB for 15 ips, 67 dB for 7½ ips. 21¼ x 17¼ x 26¾ in; 110 lb ..... \$5,495

**BQ II.** Same as MK III with ¼-in 4-channel format, no motors. Frequency response (record/reproduce) 7½ ips (-10 vu): 20-18,000 Hz ± 2 dB; frequency response (selective reproduce) 15 ips (0 vu): 30-20,000 Hz ± 2 dB, 7½ ips (-10 vu): 30-16,000 Hz ± 2 dB; signal-to-noise ratio 66 dB for 15 and 7½ ips; wow-and-flutter 0.06% for 15 ips, 0.08% for 7½ ips. 21¼ x 22¼ x 10¼ in; 66 lb ..... \$4,345

#### MK III-2 Open-Reel Tape Deck

Two switchable speeds (15/7½ and 7½/3¼ ips) with ¼-in 2-channel format. Features 5, 7, 10½-in reel; built-in dual-frequency test oscillator; ±7% variable speed control; 4-head design; 3 motors. Frequency response (record/reproduce) 15 ips (0 vu): 30-20,000 Hz ± 2 dB, 7½ ips (-10 vu): 30-20,000 Hz ± 2 dB; 3¼ ips (-20 vu): 20-12,000 Hz ± 2 dB; signal-to-noise ratio 68 dB for 15 ips, 71 dB for 7½ ips; 69 dB for 3¼ ips; wow-and-flutter 0.04% for 15 ips, 0.07% for 7½ ips, 0.08% for 3¼ ips. 21¼ x 18¼ x 28¼ in; 105 lb ..... \$3,925

**B II.** As above with 5¼, 10½-in reel. FR (record/reproduce) 15 ips (0 vu): 25-22,000 Hz ± 2 dB, 7½ ips (-10 vu): 20-20,000 Hz ± 2 dB; 21¼ x 22¼ x 10¼ in; 60 lb ..... \$2,995

### MX-55 Series

#### MX 55NM Open-Reel Tape Deck

Two switchable speeds (15/7½ and 7½/3¼ ips) with ¼-in 2-channel format. Features DC quartz PLL capstan motor; 3 cue-point locator with LED elapsed-time counter; Dolby HX-Pro; gapless punch-in/out; 3 motor. FR 15 ips: 30-20,000 Hz ± 2 dB, 7½ ips: 20-18,000 Hz ± 2 dB; 3¼ ips: 20-10,000 Hz ± 2 dB; SN 69 dB for 15 ips, 71 dB for 7½ ips; 64 dB for 3¼ ips. 17¼ x 19½ x 9 in; 67 lb ..... \$4,995

**MX 55N.** As above, without HX-Pro and gapless punch-in-out ..... \$3,895

#### MX-50 Open-Reel Tape Deck

Two switchable speeds (15/7½ and 7½/3¼ ips) with ¼-in 2-channel format. Features DC quartz-PLL capstan motor; 3 motor; ±7% variable speed control. FR (record/reproduce) 15 ips (0 vu): 30-20,000 Hz ± 2 dB, 7½ ips (-10 vu): 30-18,000 Hz ± 2 dB; 3¼ ips (-20 vu): 20-10,000 Hz ± 2 dB; signal-to-noise ratio 69 dB for 15 ips, 70 dB for 7½ ips; 66 dB for 3¼ ips; wow-and-flutter 0.6% for 15 ips, 0.8% for 7½ ips, 0.12% for 3¼ ips. Dimensions: 17¼ x 18 x 7½ in; 52 lb ..... \$2,495

## REVOX

#### B77 MK II Open-Reel Tape Deck

Features two speeds (3.75 ips and 7.5 ips); 10½-in reel capacity; front-panel variable speed control ±10%; integrated-drive-logic computer-type push-point function keys; built-in tape cutter; dual vt meters with peak-level indicators; separate left/right record and input controls; tape-monitor switch; provision for remote control of all functions and electric-timer operation; connectors for remote control of variable tape speed and slide projector or cross-fade unit. FR 30-16,000 Hz +2, -3 dB at 3.75 ips, 30-20,000 Hz at 7.5 ips; w&F no more than 0.1% at 3.75 ips, no more than 0.08% at 7.5 ips; SN >64 dB at 3.75 ips, >67 dB at 7.5 ips; mic input level/imp 0.15 mV/2,200 ohms (low position, 50-600 ohm mics), 2.8 mV/110 kilohms (high position, 20 kilohms mics). Available in high-speed, low-speed, super low-speed, two- and four-track versions. Dimensions: 16¼ x 17¼ x 8¼ in. Weight: 37.5 lb ..... \$2,450

## TEAC

#### X-2000RBI Open-Reel Tape Deck

Two-speed (7.5 and 3.75 ips) 4-track, 2-channel tape deck with dbx I NR and 10½-in reel capacity. Features 6 heads for bidirectional 3-head operation; cobalt amorphous heads; 3-motor transport; LSI full-logic control; tension servo control; motion sensing; dual-capstan closed-loop transport; pitch control; auto search; EE tape switch; fine bias adjustment; mic/line mixing; real-time counter. Optional remote control. Frequency response 40-33,000 Hz ± 3 dB (7.5 ips); wow-and-flutter 0.03% wrms (7.5 ips); signal-to-noise ratio 100 dB (dbx). 17 x 18 x 10¼ in; weight 46.3 lb ..... \$2,069

**X-2000R.** Same as above, but with silver finish ..... \$2,055

#### X-2000 Open-Reel Tape Deck

Two-speed (7.5 and 3.75 ips) 4-track, 2-channel tape deck with dbx I NR and 10½-in reel capacity. Features 3 cobalt amorphous heads; 3-motor transport; LSI full-logic control; tension servo control; motion sensing; dual-capstan closed-loop transport; pitch control; auto search; EE tape switch; fine bias adjustment; mic/line mixing; real-time counter; mute with adjustable auto space; cue control; spooling

mode. Optional remote control. FR 40-33,000 Hz ± 3 dB (7.5 ips); wow-and-flutter 0.03% wrms (7.5 ips); signal-to-noise ratio 100 dB (dbx). 17 x 18 x 10¼ in; 46.3 lb ..... \$2,069

#### X300R Open-Reel Tape Deck

3-head, 3-motor system with 7.5-ips speed. Features bidirectional playback; autoreverse; auto repeat; light-touch transport controls; mic/line mixing; rec mute; independent left and right output controls; tape/source monitor selector; 3-mode tape selector; timer start; front-panel mic and headphone jacks. FR 40-30,000 Hz ± 3 dB (7.5 ips); w&F 0.04% wrms (7.5 ips); SN 65 dB with THD 3%. 16¼ x 12¼ x 9¼ in; 33 lb ..... \$1,280

**X300.** As above, no bidirectional playback, autoreverse, or auto repeat ..... \$1,145

## UHER OF AMERICA

#### Model 1200 Open-Reel Tape Deck

Synchro full-track tape deck with neo pilot. Features 4 heads; built-in monitor speaker; switchable roll-off filter; optional beep generator; pilot frequency device for picture-sync recording. Tape speed 7.5 ips; frequency response 40-16,000 Hz ± 3 dB; signal-to-noise ratio 62 dB; wow-and-flutter 0.15% wrms. 28½ x 10 x 23½ in; 8.4 lb ..... \$5,310

#### Model 6000 Open-Reel Tape Deck

Four-speed (3.75, 1.88, 0.94, 0.47 ips) tape recorder. Records up to 24 hours on 1 tape. Designed for monitoring, court reporting, surveillance. Features four motors; 5-in reel capacity; built-in dynamic noise reduction; switchable auto level control; electronic tape-deck tension control; switchable loudspeaker; tape counter; AV input jack. 11 x 3½ x 9 in; 8 lbs ..... \$2,260

#### Report-Monitor Series Tape Recorders

Report-Monitor decks feature 3 heads, LED function indicators, integrated power supply, electronic amplifier switching, battery or AC operation, tape-tension regulators, die-cast aluminum casings. All models can be used in portable or stationary applications. Speeds 7.5, 3.75, 1.88, 0.94 ips.

**Model 4400 Report Monitor.** 4-track stereo ..... \$1,870

**Model 4200 Report Monitor.** 2-track stereo ..... \$1,870

**Model 4000 Report Monitor AV.** Half-track mono ..... \$1,750

#### Accessories

**F-423 Diapilot.** Self-contained unit for synchronizing automatic slide projector with Uher open-reel and cassette decks ..... \$270

**F413 Acoustic Stop/Start Switch.** Acoustic activated. For use with Uher decks ..... \$146

**Z-125A Power Supply.** Power supply and charger for Uher Monitor Series decks ..... \$137

# TURNTABLES



## ACOUSTIC RESEARCH

### ES-1 Manual Turntable

Manual belt-drive turntable with 24-pole synchronous motor. Features 33- and 45-rpm speeds. w&F 0.04% wrms; rumble -78 dB; effective tonearm mass without cartridge 14.5 g; effective tonearm length 229 mm; max tracking error 2.6x. 18½ x 7 x 15¼ in (dustcover down); 18 lb. With tonearm ..... \$725  
Without tonearm ..... \$550

### EB-101 Manual Turntable

Manual belt-drive pivoted-arm turntable with fully isolated 3-point suspension. Arm and platter on subchassis formed by pressed-steel T-bar spring-suspended and damped at 3 points. 33½ and 45 rpm. Features 12-pole synchronous motor (500 rpm at 50 Hz, 600 rpm at 60 Hz); 3.9-lb platter; detachable carbon-fiber headshell with clamping screw-on arm; base finished in oiled-walnut veneer. w&F 0.05% DIN; rumble -72 dB DIN; effective tonearm mass without cartridge 12 g; cartridge weight range 3-9 g; effective tonearm length 229 mm; overhang 16 mm; vertical and horizontal friction <100 mg; 18¼ x 7 x 15¼ in (dustcover down); 13.5 lb ..... \$500

a/d/s/

### Atelier P4 Automatic Turntable

Quartz-crystal-controlled direct-drive design; pivoted arm; low-mass tonearm; 33½ and 45 rpm; variable-speed control with strobe; holds platter and tonearm on subchassis that floats on 4 tuned mounts. Optional remote control if connected to a/d/s/ R4 receiver or CC4 tuner/preamp. w&F ±0.025% wrms, ±0.035% DIN; rumble -75 dB DIN B, 53 dB DIN A; effective tonearm length 8.69-in; max tracking error 2.2x ..... \$600

## ARISTON ACOUSTICS BY EURO SOUND

### Icon II Semiautomatic Turntable

Belt-drive turntable. Features remote power supply; fitted acoustic mat; 4 isolating feet; full spring suspension. 2 speeds (33½ and 45 rpm). w&F 0.08%; rumble 75 dB. Black finish .. \$499

### Q-Deck Mk II Semiautomatic Turntable

Belt-drive turntable. Features remote power supply; flat antistatic mat; 4 isolating feet. 2 speeds (33½ and 45 rpm). w&F 0.08%; rumble 75 dB. Black finish ..... \$369

## BANG & OLUFSEN

### Beogram 4500 Automatic Turntable

Integrates with Beosystem 4500 for full remote control; built-in phono preamp; 3-point leaf-spring suspension; tangential tracking; accepts B&O MMC1-5 cartridges. Black and silver finish. w&F 0.06%; DIN-weighted rumble >80 dB. 16½ x 3 x 12¾ in; 11.7 lb ..... \$499

### Beogram 6500 Turntable

Integrates with Beosystem 6500. Features built-in preamplifier for B&O MMC pickup cartridge; B&O tangential tonearm and suspended subchassis. w&F <0.03% wrms; speed deviation < ±0.02%; rumble >80 dB DIN weighted; FR 20-20,000 Hz ±1 dB; S/N >80 dBA; THD <0.02% at 1,000 Hz; max cable length 30 feet. 16½ x 3 x 12¾ in; 11.7 lb. Polished aluminum in glossy black or glossy white ..... \$499

### Beogram 9500 Turntable

Integrates with Beosystem 6500. w&F <0.03% wrms; speed deviation < ±0.2%; rumble >80 dB DIN weighted. 16½ x 3 x 12¾ in; 11.7 lb. White ..... \$450

### Beogram TX-2 Automatic Turntable

Tangential-tracking, belt-drive turntable; 33 and 45 rpm; fixed headshell. Recommended tracking force 1-1.5 g; w&F 0.03% DIN; rumble -80 dB. 16½ x 3 x 12¾ in; 11.6 lb ..... \$399

### Beogram RX-2 Automatic Turntable

Belt-drive turntable with pendulum-suspended chassis and straight pivoting tonearm; 33 and 45 rpm; fixed headshell. Recommended tracking force 1-1.5 g; w&F 0.035% DIN; rumble -75 dB; 16½ x 2½ x 18 in; 13 lb ..... \$299

## CARRERA

### LT-120 Automatic Turntable

Belt-drive turntable with linear tonearm. Features fixed-mount cartridge; two speeds (33½, 45). w&F 0.05%; rumble 69 dB; recommended tracking force 1¼-3 g ..... \$170

### CT-1155 Semiautomatic Turntable

Belt-drive turntable with pivoted tonearm. Features P-mount cartridge; two speeds (33½, 45). w&F 0.07%; rumble 65 dB ..... \$100

## DENON

*All Denon turntables employ servo-speed control and are noncontact, microprocessor controlled using magnetic speed detection.*

### DP-59L Semiautomatic Turntable.

Features massive wood base with isolation; 5.5-lb platter with high-torque direct-drive AC motor. .. \$695

### DP-47F Semiautomatic Turntable.

Features dynamic servo tracer; flat-twin direct-drive design; fully-auto; thick wood base ..... \$450

### DP-23F Automatic Turntable.

Full-size automatic with dynamic servo tracer ..... \$275

### DP-7F Automatic Turntable.

P-mount automatic with dynamic servo tracer. Black ..... \$200

## DUAL BY ORTOFON

### CS 7000 Semiautomatic Turntable

Belt-drive turntable with gold-plated finish. Features optimum-pivot gyroscopic Gimbal tonearm system; carbon-fiber headshell; metal

feet; full-floating subchassis; resonance-damped die-cast aluminum platter; auto stop; 33½, 45, or 78 rpm play speeds. w&F <0.025%; signal-to-noise ratio 80 dB. 17½ x 5¼ x 15¼ in; 25 lb ..... \$875

### CS5000 Semiautomatic Turntable

Belt-drive turntable with hall-effect motor and 4-point full-floating suspension system. Features quartz-monitored 3-speed electronic control; optimum-pivot tonearm design; acoustic mat; cueing lever; 33½, 45, and 78 rpm. w&F 0.015% wrms; rumble <56 dB DIN unwt'd. Black or walnut wood base ..... \$500

### CS455 Automatic Turntable

Belt-drive automatic turntable with four-point suspension. Features adjustable tracking force; detachable ½-inch headshell; floating subchassis; viscosity-damped cueing device. Wooden base with black-satin finish ..... \$300  
CS450. Same as above except semiautomatic operation ..... \$270

### CS431 Semiautomatic Turntable

Belt-drive turntable with 4-point suspension. Features low mass tonearm; headshell with ½-in mounting; floating subchassis; viscosity-damped cueing device; wooden base in black satin finish ..... \$219  
CS410. Same as above with cartridge .... \$279

## ESOTERIC SOUND

### Vintage Semiautomatic Turntable

Belt-drive turntable featuring P-mount cartridge; 6-speeds (33½, 45, 71.29, 76.69, 78, 80 rpm). w&F 0.045%; rumble 70 dB; pitch control ± 8% ..... \$299



*Esoteric Sound Vintage*

## GOLDMUND BY INTERNATIONAL AUDIO TECHNOLOGIES

### Goldmund Reference Manual Turntable

Belt-drive turntable mounted on steel-support table with thick aluminum top. Features damped spring suspension; 60-lb aluminum

# TURNTABLES

subchassis damped by lead inserts; hard bronze shaft receptacle; computer-controlled speed regulation; resettable time counter; speed adjustment of  $\pm 4\%$ ; Metacrylate and brass platter; illuminated gold-plated touch-control panel. Finished in gold-plated brass, black-anodized aluminum, black Metacrylate and satin-black paint. All mounting tools provided. Production limited to 300 units. 29 x 23 x 21 in; 250 lb with packaging. . . . . \$27,400

## Goldmund Studio Turntable

Features full Metacrylate construction; wall-mounted dc adaptor; heavy-duty motor with built-in electronic quartz-aligned speed control and regulation; adjustable suspension with built-in bubble leveler; power-on/off switch; power-on indicator; speed selection/indicator; spring-loaded acrylic dust cover. 20 x 8 $\frac{3}{4}$  x 20 in; 52 lb . . . . . \$3,750

## Studiotto MK2 Turntable

Features tonearm mounted on anodized-aluminum armboard; protection against overload and voltage surge . . . . . \$2,295

## HEYBROOK BY D'ASCANIO AUDIO

### TT-3 Series II Manual Turntable

Hand-assembled belt-drive 33 $\frac{1}{3}$ - and 45-rpm armless manual turntable with removable armboard. Features on-board power supply; low-speed synchronous motor to drive large 2-piece platter; adjustable 3-point cast aluminum spring-suspension system; laminated armboard; large wood base. Finished in walnut or gloss black. w&F  $<0.1\%$  DIN peak wtd; rumble -73 dB wtd DIN-B. 17 $\frac{1}{2}$  x 6 $\frac{1}{4}$  x 14 $\frac{1}{4}$  in; 26 lb . . . . . \$898

## JA MICHELL ENGINEERING BY ARTECH ELECTRONICS

### GyroDec MK II Turntable

Belt-drive turntable with platter composed of black acrylic compound containing graphite and vinyl; six gold-plated brass weights hang below at perimeter producing gyroscopic effect; ribbed lead-weighted chassis cast from aluminum; 3 speeds. w&F 0.05%; rumble (DIN B) 80 dB. 20 $\frac{3}{4}$  x 6 x 16 $\frac{1}{4}$  in, 42 lb . . . . . \$395

### Synco Turntable

Belt-drive turntable with bearing, platter, and tonearm supported by rigid cast-aluminum chassis; tonearm cable clap is built on baseboard; sixteen-pole AC synchronous motor; transparent glass; 33, 45 rpm speeds. w&F 0.05%; rumble 75 dB. 18 $\frac{1}{4}$  x 5 $\frac{1}{2}$  x 13 $\frac{1}{4}$  in; 21 lb . . . . . \$1,395

## JVC

### ALFQ555BK Automatic Turntable

Direct-drive turntable with double dc servo direct-drive motor. Features automatic record-size and speed selector; low-mass straight tonearm; high-stability cabinet support system; large insulators; arm cueing control; double-servo quartz control. . . . . \$240

### ALF353BK Automatic Turntable

Turntable with automatic record-size and speed selector. Features dc servo motor; arm cueing control; plug-in cartridge connector system; low-mass straight tonearm . . . . . \$175

### ALA151BK Semiautomatic Turntable

Semiautomatic turntable with automatic tonearm return. Features dc-servo motor; arm cueing control; low-mass straight tonearm; plug-in cartridge connector . . . . . \$100

## KENWOOD

### KD-4020 Automatic Turntable

Automatic quartz-PLL direct-drive turntable with plug-in phono cartridge. 33 $\frac{1}{3}$  and 45 rpm; linear-tracking; straight tonearm. w&F  $>0.05\%$ ; rumble 70 dB (DIN-weighted); effective tonearm length 5 $\frac{1}{4}$  in; tracking error  $\pm 5^\circ$ . Cartridge: FR 20-20,000 Hz; output voltage 2.5 mV. 17 $\frac{1}{4}$  x 4 $\frac{1}{2}$  x 13 $\frac{1}{2}$  in; 8.6 lb . . . . . \$249

### Spectrum Series

**KD-49FC Automatic Turntable.** Automatic belt-drive turntable. T4P cartridge included . . . . . \$119

**KD-39RC Semiautomatic Turntable.** Auto-return belt-drive turntable. T4P cartridge included . . . . . \$79

## LINN

### LP12 Manual Turntable

Belt-drive 33 $\frac{1}{3}$ -rpm turntable with manual tonearm; 24-pole synchronous motor; 12-in zinc-aluminum alloy die-cast platter with felt mat; hardened tool-steel spindle; adjustable 3-point spring-suspension subchassis; heavy-gauge stainless-steel base plate; solid hardwood base; optional 45-rpm adaptor. w&F 0.04% wrms; rumble -60 dB unwtid; speed accuracy  $\pm 0.04\%$ . 17 $\frac{1}{2}$  x 5 $\frac{1}{2}$  x 14 in . . . . . \$1,295

### Axis Manual Turntable

Belt-drive manual turntable with pivoted arm. Plays 33 $\frac{1}{3}$ -rpm LP's and 45-rpm singles. Speed accuracy 0.1%; w&F 0.05%; rumble -75 dB DIN; effective tonearm length 284 mm; 16 lbs . . . . . \$895



Linn Basik

**Basik Turntable.** Two-speed belt-drive turntable with Akitu tonearm . . . . . \$550

## MARANTZ

### TT-2462CB Semiautomatic Turntable

Belt-drive turntable featuring semiautomatic dc-servo motor; P-mount cartridge . . . . . \$90

## MUSEATEX

### AT-2 Turntable

Belt-drive turntable. Features pivoted arm; anti-skating adjustment; changeable wand cartridge. Tracking force 0.5-5.0 grams; speed adjustment range  $\pm 5\%$ ; three speeds (33 $\frac{1}{3}$ , 45 and 78 rpm). 13 $\frac{1}{4}$  x 8 $\frac{1}{2}$  x 13 $\frac{1}{4}$  in. . . . . \$2500

## ONKYO

### CP-1500F Automatic Turntable

Direct-drive, quartz-servo turntable with 2 speeds. Features straight tonearm; triple-stage isolation system; die-cast aluminum platter. R1 remote compatible. . . . . \$259

### CP-1200A Semiautomatic Turntable

Direct-drive, quartz-servo turntable with triple-stage isolation system, and die-cast aluminum platter. Smoked dust cover. . . . . \$130

## Integra Series

### Integra CP-1057FB Automatic Turntable

Computer-controlled, direct-drive turntable with quartz-locked PLL motor. Features single-band stroboscope for 33 $\frac{1}{3}$ - and 45-rpm speeds; triple-stage isolation system with shock-absorbent feet, floating chassis, and dense cabinet; separate tonearm motor; gimbal tonearm support; Polysorb record mat and cabinet feet; gold-hued, diecast aluminum platter. Front-panel controls; antiskating mechanism with dial control; 2-speed search; repeat play; remote-control connector. Black finish. w&F 0.023% wrms; S/N 80 dB (DIN B); max tracking error  $+3^\circ, -1^\circ$ ; effective tonearm length 8 $\frac{7}{8}$ -in \$360

## OPTIMUS BY RADIO SHACK

### LAB-2250 Automatic Turntable

Belt-drive turntable. Features linear-tracking tonearm; power-failure protection; elliptical diamond stylus; cue button; 2 speeds; aluminum diecast platter. w&F 0.1%; S/N 55 dB; effective tonearm length 132 mm; FR 20-20,000 Hz; tracking force 2-3 g. 14 $\frac{1}{4}$  x 3 $\frac{3}{4}$  x 13 $\frac{1}{4}$  in; 8.6 lb \$150

### LAB-460 Automatic Turntable

Belt-drive turntable. Features 2 speeds; aluminum die-cast platter; straight-pipe tonearm; dual-magnet cartridge; diamond stylus. w&F 0.1%; signal-to-noise ratio 55 dB; effective tonearm length 205 mm; tracking force 1.5  $\pm 0.5$  g; frequency response 20-20,000 Hz. 13 $\frac{1}{4}$  x 3 $\frac{3}{4}$  x 13 $\frac{1}{2}$  in; 6.3 lb . . . . . \$120

## ORACLE

### Premiere Mark IV Manual Turntable

Belt-drive turntable without tonearm. Remote control power drive module, 33 $\frac{1}{3}$  and 45 rpm; variable-speed control; strobe; high-torque AC motor; adjustable spring-suspension system; record-coupling system; tonearm cartridge protractor, strobe disc included. 20 x 6 $\frac{1}{2}$  x 15 in; 33 lb . . . . . \$3,150  
Premiere Mark III. As above, with aluminum and 24k gold plating. 43 lb . . . . . \$3,670

### Delphi MK IV Manual Turntable

Belt-drive turntable without tonearm. Available in dual speed (33 $\frac{1}{3}$  and 45 rpm) and single speed (33 $\frac{1}{3}$  rpm only); high-torque AC motor; adjustable spring-suspension; record-coupling system; tonearm/cartridge protractor and strobe disc included. 19 x 6 x 14 $\frac{1}{2}$  in; 28 lb. Dual speed . . . . . \$1,950  
Delphi Aluminum. Aluminum/24k gold plating. Dual speed . . . . . \$2,495  
Delphi Black. 24k gold plating. Dual speed . . . . . \$2,695

### Alexandria Mark IV Manual Turntable

Belt-drive turntable without tonearm. Features 33 $\frac{1}{3}$  and 45 rpm; high-torque AC motor; adjustable spring suspension; record-coupling system. Black piano finish. 19 $\frac{1}{4}$  x 6 x 14 $\frac{1}{2}$  in \$1,195

### Paris Turntable

Belt-drive turntable without tonearm. Features 33 $\frac{1}{3}$ - and 45-rpm play speeds; AC type motor; tri-point suspension. 15 lb. White finish. . \$695  
Black finish . . . . . \$720

## PIONEER

### Elite PL-90 Automatic Turntable

Direct-drive turntable featuring coreless, quartz-PLL dc servo motor with stable hanging rotor. Features straight tonearm made of aluminum and ceramics; 33 $\frac{1}{3}$ - and 45-rpm play speeds; 14-inch platter. w&F 0.018%. 23 $\frac{1}{2}$  x 8 $\frac{1}{2}$  x 17 in. . . . . \$950

# TURNTABLES

## PL-910 Automatic Turntable

Belt-drive turntable with DC servo-motor. Features statically balanced linear tracking tonearm; 33 $\frac{1}{3}$ - and 45-rpm play speeds; 0.6-mm diamond stylus. Wow-and-flutter 0.06%. 16 $\frac{1}{2}$  x 4 x 14 in; 6.2 lb ..... \$400

## PL-670(BK) Automatic Turntable

Direct-drive turntable with stable hanging rotor. Features dynamic resonance absorber; T4P P-mount cartridge adaptor; polymer/graphite straight tonearm design; automatic disc-size selector. Wow-and-flutter 0.025%. 4 $\frac{3}{8}$  x 16 $\frac{1}{2}$  x 14 $\frac{1}{8}$  in ..... \$175

## PL-600 Automatic Turntable

Belt-drive turntable with DC servo-motor. Features statically balanced straight tonearm; 33 $\frac{1}{3}$ - and 45-rpm play speeds; MM cartridge; 0.6-mm diamond stylus. w&F 0.06%. 16 $\frac{1}{2}$  x 3 $\frac{3}{4}$  x 14 in; 6.2 lb ..... \$140

## REALISTIC BY RADIO SHACK

### LAB-340 Semiautomatic Turntable

Belt-drive turntable. Features straight tonearm; dual-moving magnet cartridge; die-cast aluminum platter; 0.6-mil diamond stylus. w&F 0.15%; tracking error +3°, -1°; s/N 45 dB; effective tonearm length 203 mm; rec tracking force 2.5 g. 13 $\frac{1}{2}$  x 4 x 13 $\frac{1}{2}$  in; 5.75 lb ..... \$100

## REVOLVER BY MUSIC HALL

### Revolver 21 Turntable

Features Revolver Super arm, Bullet cartridge, Ringo platter stabilizer. Matching pillar stand. All finished in high-gloss, red-stained, birdeye maple ..... \$1,195

### Revolver Turntable

Split-plinth belt-drive turntable. Features medium-density fiberboard platter with self-damping material; AC synchronous motor with 2-speed stepped pulley; ethylene propylene drive belt; 3 molded non adjustable feet. Includes grip clamp; starmat; lubricating oil; Revolver tonearm. Rosewood or redwood high-gloss finish ..... \$670  
Black-ash veneer ..... \$595

### Revolver Rebel Turntable

Includes tonearm and cartridge. Blue marble finish ..... \$425  
Black-satin finish ..... \$399

## REVOX

### B291-S Automatic Turntable

Tangential tracking turntable features Linatrack tonearm. Variable-speed capability ( $\pm 10\%$  on increments of 0.1%). Included ELAC ESG 796H30 phono cartridge; serial port allows all IR remote functions including multiroom operation using Revox's B208 wireless remote control or B210 smart remote \$2,500



Revox B291-S

## SCOTT

### PS60C Semiautomatic Turntable

Semiautomatic belt-drive turntable with low-mass P-mount tonearm. Features frequency-governed DC motor; strobe light; pitch control; fully damped cueing; shock absorbing feet; auto return and shutoff; hinged, adjustable dustcover. 16 $\frac{1}{2}$  x 3 $\frac{3}{4}$  x 13 in; 7 $\frac{1}{2}$  lb ..... \$80  
PS60 Same as PS60C without cartridge ... \$70

## SHERWOOD

### PF-1170R Automatic Turntable

Direct-drive turntable featuring DC servo motor and pitch control with strobe. Features front-panel operating controls; fully automatic start, stop, and return; repeat; diecast alloy platter; 45 rpm center adaptor; 2 speeds. Max tracking error  $\pm 2.6^\circ$ ,  $-1^\circ$ ; w&F 0.06%. 17 $\frac{1}{2}$  x 4 $\frac{3}{8}$  x 15 in ..... \$159

### PM-1270 Automatic Turntable

Belt-drive turntable with straight-line tonearm system. Features 2 speeds; auto stop; die-cast alloy platter; pitch control with strobe; cueing control; straight-line tubular static balanced tonearm. Max tracking error  $\pm 2.6^\circ$ ,  $-1^\circ$ ; w&F 0.08%. 13 x 3 x 9 in ..... \$149

## SONOGRAPHIE BY CONRAD-JOHNSON

### SG-3A Manual Turntable

Belt-drive turntable with Sumiko tonearm. Tuned suspension, resonance-free polymer platter. w&F  $< 0.02\%$  wrms; rumble 65 dB; 18 $\frac{1}{4}$  x 6 $\frac{1}{4}$  x 14 $\frac{1}{2}$ -in (dustcover down); 23 lbs ... \$795  
SG-3. Same as above without tonearm ... \$595

## SONY

### PS-FL7II Automatic Turntable

Front-loading linear-tracking automatic turntable. Features direct drive, PLL quartz-lock operation; P-mount compatibility; 33 $\frac{1}{3}$  and 45 rpm; remote control capability, stackable top. w&F 0.03%; s/N 75 dB; effective tonearm length 3-in; max tracking error  $\pm 0.1^\circ$ ; 17 x 3 $\frac{3}{4}$  x 15 $\frac{1}{2}$  in; 20 lb ..... \$350

### PS-LX520 Automatic Turntable

Fully automatic linear-tracking turntable. Features direct drive, PLL quartz-lock operation; P-mount compatibility, 33 $\frac{1}{3}$  and 45 rpm; gel-filled feet; remote control capable. w&F 0.035%; s/N 75 dB; effective tonearm length 3 inches; max tracking error  $\pm 0.1^\circ$ . 17 x 3 $\frac{3}{4}$  x 14 $\frac{1}{2}$  in; 13 lb ..... \$270

### PS-LX430 Automatic Turntable

Belt-drive P-mount turntable with pivoted arm. Features 33 $\frac{1}{3}$  and 45 rpm, cueing lever, anti-resonance base, disc-size selector, remote-control capability. w&F 0.046%; rumble 70 dB. 17 x 4 $\frac{1}{2}$  x 14 in; 11 lb ..... \$180

## SOTA

### Cosmos Turntable

Belt-drive turntable with 12-lb platter on 22-lb subassembly. Features inverted sapphire bearing, 4-point corner weights and matching 4-spring design; regulated DC-drive, fully damped, fully isolated motor; vacuum hold-down; rigid arm support; one-piece-design platter block; motor hard-mounted to subassembly. Comes with vacuum, reflex clamp, electronic flywheel, and deluxe tonearm board. w&F 0.03% wrms; rumble -88.2 dB; speed accuracy  $\pm 0.02\%$ ; speed adjustment 5%. 20 $\frac{1}{4}$  x 7 $\frac{1}{2}$  x 16 $\frac{1}{2}$  in. Gloss matrix ..... \$4,000  
High-gloss black ..... \$4,500

## Deluxe Star Sapphire III Turntable

Manual 2-speed belt-drive turntable with variable speed control and strobe. Features 22-lb subassembly for maximum isolation; exclusive inverted bearing with sapphire disc; single-piece 11-lb platter, rim drive; vacuum hold-down system: low-level pressure, continuous through play, adjustable vacuum; acrylic vacuum supermat; all-wood top; speed control panel; heavy-duty dustcover with oak finish. rumble -88.2 dB; speed accuracy  $\pm .02\%$ ; speed adjustment 5%. Available in oak or black-wood finish. 20 $\frac{1}{4}$  x 7 $\frac{1}{2}$  x 16 $\frac{1}{2}$  in; 44 lb ..... \$1,795  
African rosewood ..... \$2,095  
Black satin finish, ebony, Brazilian rosewood ..... \$2,200

## Deluxe Sapphire III Turntable

Turntable with inverted sapphire bearing. Features 12-lb platter on 22-lb subassembly; 4-point corner weights and matching 4-spring design; regulated DC drive, fully damped, fully isolated motor. Wow-and-flutter 0.03% wrms; rumble -88.2 dB; speed accuracy  $\pm 0.02\%$ ; speed adjustment 5%. 20 $\frac{1}{4}$  x 7 $\frac{1}{2}$  x 16 $\frac{1}{2}$  in. Oak finish ..... \$1,350  
Blackwood ..... \$1,450  
African rosewood ..... \$1,650

## Jewel Turntable

Turntable with inverted bearing system. Features bearing thrust platter; one-piece cast-aluminum turntable platter; mechanically impedance matched and damped record mat; four-point suspension; variable, 2-speed electrical motor. Oak finish ..... \$800

## Options

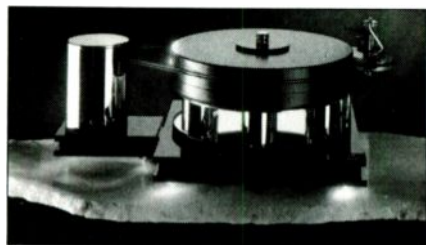
Vacuum Conversion Kit. For any Sapphire \$695  
Electronic Flywheel. Line conditioner for Sapphire and Star turntables only. Isolates and regulates motor/drive from all outside interference (voltage shifts, EMI, RFI, hash) ..... \$250  
Series III Upgrades. New platter or motor or subassembly ..... \$225 ea  
All three upgrades ..... \$675  
Vacuum Acrylic Supermat. For Star or vacuum Sapphire. Designed for optimal coupling, matched impedance, extreme damping .. \$150  
Reflex Clamp. Couples record to platter (in conjunction with Supermat) with reflex action. One part grabs spindle while the second motion presses record against mat. Simple level action; aluminum casting; decoupled from record with foam ..... \$135  
Composite Arm Board. For SME, ET-2, Linn, The Arm, Premier FT-3, MMT, and MMT-VTA turntables ..... \$135

Grove Damper Mat. Universal ..... \$40

## TARA LABS

### Aura

Belt-drive turntable constructed from aluminum alloy. Features self-centering carbide pivot-and-thrust pad; high rotational inertia; spring suspension with user adjustable selection; 33- and 45-rpm with pitch adjustment. .... \$4,650



Tara Labs Aura



# TURNTABLES

## TECHNICS

### SL-1200MKII Manual Turntable

Direct-drive quartz-controlled manual turntable with 33 $\frac{1}{3}$ - and 45-rpm speed control. Features gimbal-suspended tonearm with height adjustment; brushless DC motor;  $\pm 8\%$  quartz-locked pitch control; quick start and stop; pop-up stylus light; aluminum die-cast cabinet; anti-resonant viscoelastic base. w&F 0.025% . . . \$550

### SL-MA1 Automatic Turntable

Direct-drive turntable with P-mount cartridge and phase-locked-loop quartz lock. 33 $\frac{1}{3}$ - and 45-rpm speed control; w&F 0.012% wrms; rumble -80 dB; effective tonearm length 230 mm; max tracking error  $+0 \times 32^\circ$  (inner groove),  $+2 \times 32^\circ$  (outer groove). 17 $\frac{1}{4}$  x 6 $\frac{3}{4}$  x 16 in; 19.8 lb . . . \$490

### SL-QD33 Automatic Turntable

Direct-drive turntable with P-mount cartridge. Features 2 motors; quartz lock; ultra-low-speed brushless DC motor for platter drive; pivoting arm; end-of-disc detection; soft-touch front-panel controls. Remote-control compatible through some Technics receivers. 33 $\frac{1}{3}$ - and 45-rpm; strobe. w&F 0.012% wrms; rumble -78 dB; effective tonearm mass 7.5g, length 230 mm; max tracking error  $\pm 2^\circ$ . 17 x 4 $\frac{1}{2}$  x 14 $\frac{1}{4}$  in; 10 lb . . . \$200

### SL-L20 Automatic Turntable

Belt-drive linear-tracking turntable with P-mount cartridge. Features front-panel soft-touch controls; cueing; 2-speed search; auto disc-size/speed detection to prevent tonearm from lowering on empty mat. Remote-control compatible through some Technics receivers. 33 $\frac{1}{3}$ - and 45-rpm; w&F 0.045% wrms; rumble -70 dB; effective tonearm length 105 mm; max tracking error  $\pm 0.1^\circ$ . 17 x 3 $\frac{3}{4}$  x 13 $\frac{1}{4}$  in; 8 lb \$190

### SL-DD22 Semiautomatic Turntable

Direct-drive turntable with 2 motors and P-mount cartridge. Features P.L.L. quartz lock; low-speed DC brushless motor. End-of-disc detection; pivoting arm; strobe; front-panel electronic soft-touch controls. 33 $\frac{1}{3}$ - and 45-rpm; w&F 0.012% wrms; rumble -78 dB; effective tonearm mass 7.5g, length 230 mm; max tracking error  $\pm 2^\circ$ . 17 x 4 $\frac{1}{2}$  x 14 $\frac{1}{4}$  in; 10 lb \$160

### SL-BD22 Semiautomatic Turntable

Belt-drive turntable with aluminum die-cast gimbal pivot aluminum tonearm. Features P-mount cartridge; vibration-isolation base; front-panel cueing control. 33 $\frac{1}{3}$ - and 45-rpm. w&F 0.45% wrms; rumble -70 dB (DIN B); effective tonearm mass 7.5g, length 230 mm; max tracking error  $+2^\circ$ . 17 x 4 $\frac{1}{2}$  x 14 $\frac{1}{4}$  in; 8 lb . . . \$140

### SL-BD20 Semiautomatic Turntable

Belt-drive turntable with DC servo motor and P-mount cartridge-connector system. Features gimbal-suspension tonearm; vibration-absorbing base; front-panel operation; hinged detachable dustcover; 45-rpm adaptor. Turntable: 33 $\frac{1}{3}$  and 45 rpm; w&F 0.045% wrms  $\pm 0.06\%$ ; rumble -70 dB. Tonearm: tracking error angle  $+0 \times 32^\circ$  (inner groove),  $+2 \times 32^\circ$  (outer groove); effective mass 13.5 g; tracking force 1.25 g; cartridge weight 6 g. 17 x 3 $\frac{3}{4}$  x 14 $\frac{1}{4}$  in; 7.9 lb . . . \$120

### Turntables Without Tonearms

#### SP-10MK3 Turntable

Quartz-synthesis direct-drive turntable with high torque for full speed in 30° of rotation. Features electronic, mechanical braking for speed change in 0.3 sec; high-precision integral

rotor-platter quartz motor; quartz-locked pitch control (0.1% steps to  $\pm 9.9\%$  all speeds); separate power supply in remote-control unit with numeric LED speed, pitch displays; soft-touch switches (start/stop duplicated on turntable). 33/45/78-rpm; w&F 0.015% wrms  $\pm 0.001\%$ . 14 $\frac{1}{4}$  x 4 $\frac{1}{2}$  x 14 $\frac{1}{4}$  in. Turntable: 40 lb. Power supply/control unit: 13.2 lb . . . \$2,700  
SH-10B7. Optional base . . . \$950

#### SP-10MK2A Turntable

Quartz-synthesis direct-drive turntable with high torque for full speed in 25° of rotation. Features electronic, mechanical braking for speed change in 0.3 sec; separate power supply. Includes remote-control unit. 33/45/78-rpm; w&F 0.025% wrms  $\pm 0.035\%$ ; rumble -70 dB (DIN B); speed drift within  $\pm 0.002\%$ . 14 $\frac{1}{2}$  x 4 x 14 $\frac{1}{2}$  in; 20.9 lb . . . \$1,400  
SH-10B7. Optional base . . . \$950

#### SP-15 Turntable

Quartz-synthesis direct-drive turntable that reaches full speed in 0.4 sec (40° of rotation) and stops in 0.4 sec (40° of rotation) at 33 $\frac{1}{3}$  rpm. Features  $\pm 9.9\%$  quartz-locked pitch control. 33/45/78-rpm w&F 0.025% wrms; rumble 56 dB (DIN A), 78 dB (DIN B) . . . \$900  
SP-25. Similar to SP-15, no 78 rpm speed,  $\pm 6\%$  pitch control . . . \$570  
SH-15B2. Heavy rubber base with simulated wood for SP-25 and SP-15 . . . \$500  
SH-15B3. Similar to above, rubber base only . . . \$500

## THORENS BY BLR ELECTRONICS

All Thorens turntables are belt-driven, single-play units with straight tubular tonearms for maximum rigidity; gimbal suspension; anti-skate control; 9.12-in effective tonearm length; tracking error  $<0.18^\circ/\text{cm}$  ( $<0.46^\circ/\text{in.}$ ).

#### Prestige Turntable

Features quartz-reference speed control. 18 lb platter; iron-granule-filled chassis and tonearm platform walls; twin independently height-adjustable tonearms platforms with motor driven cueing. Finish in anthracite black enamel and mahogany with gold-plated metal parts. Sold without tonearm . . . \$12,000

#### Phantasie Turntable

Belt-driven 33 and 45 rpm turntable features chassis carved from 40-mm-thick solid block of clear plexiglass. 16-pole synchronous motor; twin solid-core chassis; 3-point leaf-spring suspension; frictionless velocity-sensing auto shutoff trigger. w&F 0.04%; rumble -50 dB unwt'd. -70 dB unweighted. 17 x 6 x 14 in \$450

#### TD 520 Semiautomatic Turntable

Belt-drive with automatic tonearm lift, motor shutoff. Features 33 $\frac{1}{3}$ , 45, 78 rpm; electronic speed selection;  $\pm 6\%$  pitch control; stroboscope; velocity-sensing auto shut-off trigger; frictionless magnetic antiskating; twin solid-core chassis and 3-point leaf-spring suspension. w&F 0.035%; rumble -72 dB unwt'd . . . \$1,300  
TD 521. Same as above, no tonearm . . . \$1,100

#### TD 2001 Turntable

Belt-driven 33- and 45-rpm turntable features auto lift and auto shut-off. Frictionless magnetic antiskating; removable cartridge mount on Thorens TP-90 tonearm . . . \$1,200

#### TD 320 Mark II Semiautomatic Turntable

Belt-drive 33 $\frac{1}{3}$ - and 45-rpm turntable. Features 16-pole synchronous motor; twin solid-core chassis and 3-point leaf-spring suspension; friction-free velocity sensing auto shut-off trigger-

ing. w&F 0.35%, rumble -52 dB unwt'd, -72 dB wtd; 17 $\frac{3}{8}$  x 6 $\frac{3}{4}$  x 13 $\frac{3}{8}$  in . . . \$740  
TD 321. Armless version of TD-320 . . . \$500

#### TD 318 Mark II Semiautomatic Turntable

Belt-drive 33 $\frac{1}{3}$ - and 45-rpm turntable with 16-pole synchronous motor. Features twin solid-core chassis; 3-point leaf-spring suspension; frictionless velocity-sensing auto shut-off trigger. w&F 0.04%; rumble -50 dB unwt'd, -70 dB unweighted; 17 x 6 x 14 in . . . \$550  
TD 316 Mk II. Manual turntable similar to TD 318 without auto lift and shut off . . . \$440

#### TD 280 Mark II Semiautomatic Turntable

Belt-drive 33 $\frac{1}{3}$ - and 45-rpm with 24-pole synchronous motor. Features 1-piece solid-core chassis and spring damping elements in feet; frictionless velocity-sensing auto shut-off trigger. w&F 0.045%; rumble -48 dB unwt'd, -70 dB wtd; 17 x 5 $\frac{1}{2}$  x 14 in . . . \$330



Thorens TD 520

## VECTOR RESEARCH

#### VT-320 Automatic Turntable

2-speed, belt-drive fully automatic turntable featuring platter-drive DC servo motor; Platter 11 $\frac{1}{2}$ -in diam, die-cast; speed 33 $\frac{1}{3}$  and 45 rpm; linear-tracking tonearm w/cartridge; automatic record-size switching, manual override. 15-track programming; random and access play; tonearm muting. w&F 0.05 wrms; s/N  $>65$  dB (DIN B). 16 $\frac{1}{8}$  x 3 $\frac{3}{8}$  x 14 $\frac{1}{8}$  in; 9 lb . . . \$200

#### VT-185 Semiautomatic Turntable

Features quick-start/high-torque DC-servo motor; traditional plug-in head-shell with standard  $\frac{1}{2}$ -in mounting centers; front-panel controls; aluminum-alloy platter; auto-return and shut-off; auto-start function; separate pitch controls for 33 and 45 rpm ( $\pm 3\%$ ); strobe. s/N 68 dB (DIN B). 17 $\frac{3}{8}$  x 4 $\frac{1}{2}$  x 14 $\frac{1}{8}$  in; 11.5 lb . . . \$190

#### VT-155 Semiautomatic Turntable

Features DC-servo motor; P-mount cartridge compatibility; front-panel controls; aluminum-alloy platter; auto-return and shut-off; pitch control stroboscope. w&F 0.07% wrms; s/N 65 dB (DIN B). 17 x 3 $\frac{3}{8}$  x 13 in; 8 lb, 12 oz . . . \$96

## YAMAHA

#### TT-500U Automatic Turntable

Direct-drive turntable with RS integrated remote system compatibility. Features straight tonearm design; resonance-absorbing turntable mat; disc clamper. Black; 15 lb . . . \$269

#### TT-400U Automatic Turntable

Belt-drive turntable with RS integrated remote system compatibility. Features straight tonearm design; resonance-absorbing turntable mat; disc clamper. Black; 15 lb . . . \$199

# CARTRIDGES & TONEARMS



## ADCOM

**SXC van den Hul Moving-Coil Phono Cartridge**  
High-output cartridge with tubular sapphire cantilever and van den Hul stylus. Features 3.5-micron contact radius; vertical groove extended to 85 microns; aluminum cantilever; cross-coil armature. Output 2.3 mV at 5 cm/sec; FR 20-20,000 Hz +3, -0 dB; tracking force 1.8 g; square-wave rise time 7 ms; channel separation 20 dB at 200-20,000 Hz; 4.7 g. \$500

**XC-MR11 Moving-Coil Phono Cartridge**  
High-output cartridge with nude-mounted square-shank stylus. Features thin-walled aluminum cantilever; cross-coil armature. Output 2.3 mV at 5 cm/sec; FR 20-20,000 Hz, ±1 dB; channel separation 28 dB at 1,000 Hz; tracking force 1.8 g; 4.7 g. \$360

**XC-LT11 Moving-Coil Phono Cartridge**  
High-output cartridge with line-trace stylus, thin-wall aluminum cantilever, cross-coil armature. Output 2.3 mV at 5 cm/sec; FR 20-20,000 Hz, ±1 dB; ch sep 28 dB at 1,000 Hz; tracking force 1.8 g; effective tip mass 0.35 mg; 4.7 g. \$290

**HC van den Hul II Moving-Coil Phono Cartridge**  
High-output cartridge with van den Hul stylus. Features thin-wall aluminum cantilever; cross-coil armature. Output 2.3 mV at 5 cm/sec; FR 20-15,000 Hz +1.5, -1 dB, 20-20,000 Hz +2.5, -1 dB; ch balance within 1.5 dB; tracking force 2 g; 4.7 g. \$250  
**HC-E II.** As above, except with elliptical stylus. \$160

## ARCAM

### Cartridges

The following applies to all Arcam cartridges: tracking weight 1.6-2 g; output 4 mV at 5 cm/sec; FR 20-20,000 Hz; standard weight 6 g, magnesium weight 6.3 g. Available in both magnesium- and plastic-bodied formats. Black finish.

**P77Mg Cartridge.** Profiled stylus. \$150  
**E77Mg Cartridge.** Elliptical stylus. \$120  
**C77Mg Cartridge.** Conical stylus. \$80

### Stylus Replacements

**PN7**..... \$90  
**EN7**..... \$60  
**CN7**..... \$25

### Loading Modules

**ULM/M.** Moving magnet. \$25  
**ULM/C.** Moving coil. \$25

## AUDIO BY VAN ALSTINE

**Longhorn Z Phono Cartridge**  
Internally damped and externally stabilized phono cartridge. FR 10-60,000 Hz; sep 30 dB;

output 4 mV; tracking force 1.5 g. \$99

## AUDIOQUEST

### Phono Cartridges

**AQ 7000 Moving-Coil Phono Cartridge**  
Uses single layer 6N copper coil. Unique body geometry makes body inherently nonresonant. Line-contact stylus; tracks at 1.9 grams; output 0.3 mV. 9.5 grams. \$1,295

**AQ B-200 Moving-Coil Phono Cartridge**  
Features machined-aluminum sandwich body; hollow-boron cantilever; line-contact stylus. Available with 1.2 mV or 0.5 mV output. \$850

**AQ 404i Moving-Coil Phono Cartridge**  
Features cast-aluminum body; hollow-boron cantilever; line-contact stylus. Available with 1.2 mV or 0.5 mV output. \$550

**AQ MC-5 Moving-Coil Phono Cartridge**  
High-output 1.4-mV MC cartridge with line-contact stylus; nonresonant polymer body; FR 20-30,000 Hz; aluminum cantilever. \$325

**AQ MC-4 Moving-Coil Phono Cartridge**  
High-output 2.5-mV moving-coil phono cartridge with elliptical stylus. Features direct-phono input; compliance 10; nonresonant polymer body; FR 20-20,000 Hz; aluminum cantilever. \$250

**AQ MC-3 Moving-Coil Phono Cartridge**  
Dynamic high-output 3-mV MC cartridge with elliptical stylus. Features nonresonant polymer body; compliance 8; tracks 2 g; FR 20-20,000 Hz; aluminum cantilever. \$150

**AQ M-1 Phono Cartridge**  
Induced magnetic cartridge with elliptical stylus. Features compliance 15; FR 20-20,000 Hz; tracks 1.5 g. \$95

### Tonearms

**AQ PT-5+ Tonearm**  
Straight tonearm features LC-OFC internal wiring. Adjustable viscous damping at pivot point; pivot to stylus length 229 mm; precision bearing; nonresonant aluminum/polyolefin structure; nondetachable headshell. Audioquest FPC copper/teflon plug in tonearm cable. \$425  
**AQ PT-5.** As above, except with normal-grade plug-in cable. \$350

## AUDIO-TECHNICA

All cartridges feature a dual moving-magnet design.

**ATML170 Phono Cartridge**  
Square-shank nude-mounted stylus. Features paratoroidal PCCOCC coils. Output 4.0 mV; tracking force 1.25 + 3 dB; FR 5-40,000 Hz; channel separation 31 dB at 1,000 Hz; 7.0 g. \$345

### AT140ML Phono Cartridge

Square-shank nude-mounted stylus. Features paratoroidal oxygen-free copper coils. Output 5.0 mV; tracking force 0.8-1.6 g; FR 5-32,000 Hz; ch sep 30 dB at 1,000 Hz; 6.4 g. \$195

### AT130E/T Phono Cartridge

Biradial nude-mounted. Features 0.2 x 0.7-mil stylus; paratoroidal oxygen free-copper coils. Tracking force 0.8-1.8 g; FR 10-30,000 Hz; ch sep 30 dB at 1,000 Hz; 6.4 g. \$135

### AT125LC/T Phono Cartridge

Linear-contact titanium-bonded stylus. Features paratoroidal oxygen-free copper coils. Tracking force 1.0-1.8 g; FR 10-28,000 Hz; ch sep 29 dB at 1,000 Hz; 6.4 g. \$150

### AT120E/T Phono Cartridge

Titanium-bonded stylus. Features 0.3 x 0.7-mil stylus; oxygen-free copper coils. Output 5.0 mV; tracking force 1.0-1.8 g; FR 15-25,000 Hz; ch sep 29 dB at 1,000 Hz; 6.4 g. \$95

### AT110E Phono Cartridge

Bonded biradial stylus. Features 0.4 x 0.6-mil stylus; oxygen-free copper coils. Output 4.5 mV; tracking force 1.0-2.0 g; frequency response 20-22,000 Hz; channel separation 29 dB at 1,000 Hz; 7.0 g. \$70

### AT105 Phono Cartridge

Bonded uniradial stylus. Features 0.6-mil stylus; oxygen-free copper coils. Output 4.5 mV; tracking force 1.5-2.5 g; FR 20-20,000 Hz; ch sep 26 dB at 1,000 Hz; 7.0 g. \$55

### P-Mounted Series

#### AT152MLP Phono Cartridge

Square-shank nude-mounted stylus. Features paratoroidal oxygen-free copper coils. Output 5.0 mV; tracking force 1.0-1.5 g; FR 5-35,000 Hz; ch sep 31 dB at 1,000 Hz. \$250

#### AT231LP Phono Cartridge

Linear-contact bonded stylus. Output 5.0 mV; tracking force 1.0-1.5 grams; FR 10-30,000 Hz; ch sep 31 dB at 1,000 Hz. \$145

#### AT132EP Phono Cartridge

Biradial, nude-mounted stylus. Features 0.2 x 0.7-mil stylus; paratoroidal oxygen-free copper coils. Output 5 mV; tracking force 1.0-1.5 g; FR 10-30,000 Hz; ch sep 30 dB at 1,000 Hz. \$150

#### AT221EP Phono Cartridge

Biradial nude-mounted square-shank stylus; Features 0.2 x 0.7-mil stylus. Output 5 mV; tracking force 1.0-1.5 grams; FR 10-28,000 Hz; ch sep 31 dB at 1,000 Hz. \$135

#### AT216EP Phono Cartridge

Biradial nude-mounted stylus. Features 0.3 x 0.7-mil stylus. Tracking force 1.0-1.5 g; FR 15-27,000 Hz; ch sep 29 dB at 1,000 Hz. \$100

# CARTRIDGES & TONEARMS

## AT211EP Phono Cartridge

Biradial bonded stylus. Features 0.4 x 0.7 mil stylus. Output 5 mV; tracking force 1.0-1.5 g; FR 15-25,000 Hz; ch sep 29 dB at 1,000 Hz. \$75

## AT201EP Phono Cartridge

Biradial bonded stylus. Features 0.4 x 0.7 mil stylus. Output 5 mV; tracking force 1.0-1.5 g; FR 20-25,000 Hz; ch sep 26 dB at 1,000 Hz. \$65

## AT201P Phono Cartridge

Uniradial bonded stylus. Features 0.6-mil stylus. Output 5 mV; tracking force 1.0-1.5 g; FR 20-22,000 Hz; ch sep 26 dB at 1,000 Hz ... \$55

## BANG & OLUFSEN

### MMC Series Phono Cartridges

All MMC cartridges feature an armature mounted perpendicularly to a crystal sapphire cantilever; multiradial diamond; four high-output, low-imp coils.

**MMC-1.** Diamond contact line 0.1 x 0.1 mm sq.; stylus bonding nude; sapphire-tube cantilever; rec tracking force 10 mN/1 gram; FR 20-20,000 Hz,  $\pm 1$  dB; 1.6 g ..... \$500

**MMC-2.** Diamond contact line 0.12 x 0.12 mm sq.; stylus bonding nude; sapphire-tube cantilever; rec tracking force 10 mN/1 g; FR 20-20,000 Hz,  $\pm 1.5$  dB; 1.6 g ..... \$270

**MMC-3.** Diamond elliptical 0.15 x 0.15 mm sq.; stylus bonding nude; tapered aluminum-tube cantilever; rec tracking force 10 mN/1 g; FR 20-20,000 Hz,  $\pm 2$  dB; 1.6 g ..... \$170

**MMC-4.** Diamond elliptical 0.20 mm round; stylus bonding titanium; tapered aluminum-tube cantilever; rec tracking force 12 mN/1.2 g; FR 20-20,000 Hz,  $\pm 2.5$  dB; 1.6 g ..... \$100

**MMC-5.** Diamond elliptical 0.25 mm round; stylus bonding titanium; tapered aluminum-tube cantilever; rec tracking force 15 mN/1.5 g; FR 20-20,000 Hz,  $\pm 3$  dB; 1.6 g ..... \$70

## DENNESEN ELECTROSTATICS

### ABLT-1 Tonearm

Air-bearing lateral-tracking tonearm includes air pump. Entire arm-tube removable. Stylus overhang 0 mm; overall length and effective length adjustable. 1.5 lb (with pump) .. \$2,000

## DENON

### DL-1000 Moving-Coil Phono Cartridge

Output 0.12 mV at 50 mm/sec; FR 20-110,000 Hz; sep 30 dB at 1,000 Hz; tracking-force range 0.8  $\pm$  0.1 g. Cartridge weight 6 g ..... \$859

### DL-305 Moving-Coil Phono Cartridge

Features twin-radius, boron cantilever. Output 0.2 mV at 50 mm/sec; FR 20-75,000 Hz; sep 28 dB at 1,000 Hz; 5.8 g ..... \$559

### DL-304 Moving-Coil Phono Cartridge

Moving-coil phono cartridge features boron cantilever; high compliance ..... \$395

### DL-302 Moving-Coil Phono Cartridge

Features boron cantilever. Output 0.25 mV at 50 mm/sec; FR 28-70,000 Hz; separation 28 dB at 1,000 Hz; tracking-force range 1.4  $\pm$  0.2 grams. Cartridge weight 6 g ..... \$260

### DL-301 Moving-Coil Phono Cartridge

Output 0.3 mV at 50 mm/sec; FR 20-60,000 Hz; sep 28 dB at 1,000 Hz; tracking force 1.4 g  $\pm$  0.2 g. Cartridge weight 4.7 g ..... \$160

### DL-160 Moving-Coil Phono Cartridge

Output 1.6 mV at 50 mm/sec; FR 20-50,000 Hz; sep 28 dB at 1,000 Hz; tracking-force range 1.6  $\pm$  0.3 g. Cartridge weight 4.8 g ..... \$115

## DL-110 Moving-Coil Phono Cartridge

Output 1.6 mV at 50 mm/sec; FR 20-45,000 Hz; sep 25 dB at 1,000 Hz; tracking-force range 1.80  $\pm$  0.30 grams. Weight: 4.8 g ..... \$85

## DIRECT SOUND

### Diamond Moving-Coil Phono Cartridge

Parabolic nude diamond stylus. Features diamond cantilever; solid-sapphire mounting base; one-point suspension system with two-shoulder damper. Output 0.2 mV at 5 cm/sec; FR 10-50,000 Hz; ch sep 30 dB at 1,000 Hz; channel separation 25 dB at 10,000 Hz; tracking force 1.8-2.2 g. Cartridge weight 8 g ..... \$1,200  
Replacement stylus ..... \$600  
**MC-110.** As above with line-contact nude diamond stylus and titanium cantilever ..... \$300  
Replacement stylus ..... \$120

### MC-500HR Moving-Coil Phono Cartridge

Hyper-elliptical ruby stylus. Features one-point suspension system with two-shoulder damper. Output 1.9 mV at 5 cm/sec; FR 10-50,000 Hz; ch sep 25 dB at 1,000 Hz; ch sep 20 dB at 10,000 Hz; tracking force 1.8-2.2 g. Cartridge weight 7 g ..... \$300  
Replacement stylus ..... \$150  
**MC-500HS.** As above, but with sapphire design stylus ..... \$260  
Replacement stylus ..... \$130

### MC-500H Moving-Coil Phono Cartridge

Parabolic nude diamond stylus. Features boron cantilever; one-point suspension system with two-shoulder damper. Output 1.9 mV at 5 cm/sec; FR 10-40,000 Hz; ch sep 25 dB at 1,000 Hz; ch sep 20 dB at 10,000 Hz; tracking force 1.8-2.2 g. Cartridge weight 7 g ..... \$200  
Replacement stylus ..... \$100  
**MC 300.** As above with output 0.1 mV at 5 cm/sec ..... \$150  
Replacement stylus ..... \$60  
**MC 310.** As above with elliptical nude diamond stylus and aluminum cantilever. Output 0.1 mV at 5 cm/sec ..... \$100  
Replacement stylus ..... \$40

## EMINENT TECHNOLOGY

### Model 2 Straight Tonearm

Straight-line-tracking, air-bearing tonearm with adjustable VTA/SRA over arc while playing record. Features air pump; adjustable height; interchangeable arm tube with preset geometry; decoupled counterweight in horizontal plane; interchangeable preset counterweights; headshell and tonearm manufactured as 1 piece. Tracking-force range 0-5 g; effective mass 5-20 g vertical, 20-30 g horizontal. Overall length 290 mm; effective length 180 mm; total mass 400 g ..... \$950

## EPOCH BY STANTON

### Epoch II Series Model HZ9S Cartridge

MM cartridge with Stereohedron II stylus. Output 0.8 mV; FR 10-25,000 Hz; sep 35 dB at 1,000 Hz, 22 dB at 10,000 Hz; tracking force 0.75-1.5 g. Cartridge weight 4 g ..... \$250

### LZ9S Phono Cartridge

Includes Stereohedron II stylus. Output 0.04 mV; FR 10-50,000 Hz, individually calibrated to 20,000 Hz; sep 35 dB at 1,000 Hz, 22 dB at 10,000 Hz; tracking force 0.75-1.5 g. Cartridge weight 3.8 g ..... \$250

### HZ8S Phono Cartridge

Includes Stereohedron II stylus. Output 0.8 mV; FR 10-20,000 Hz; separation 35 dB at 1,000 Hz, 22 dB at 10,000 Hz; tracking force 0.75-1.5 g. Cartridge weight 4 grams ..... \$190

## LZ8S Phono Cartridge

Includes Stereohedron II stylus. Output 0.04 mV; FR 10-20,000 Hz; sep 35 dB at 1,000 Hz, 22 dB at 10,000 Hz; tracking force 0.75-1.5 g. Cartridge weight 3.8 g ..... \$190

## HZ7S Phono Cartridge

Includes Stereohedron II stylus. Output 0.8 mV; FR 10-20,000 Hz; sep 35 dB at 1,000 Hz, 15 dB at 10,000 Hz; tracking force 0.75-1.25 g. Cartridge weight 4 g ..... \$120

## HZ6E Phono Cartridge

Includes elliptical stylus. Output 0.8 mV; FR 10-20,000 Hz; sep 30 dB at 1,000 Hz, 15 dB at 10,000 Hz; tracking force 0.75-1.25 g. Cartridge weight 4 g ..... \$95

## G & B TOOLS BY ARTECH

### Zeta Tonearm

C-shaped tonearm. Includes two 10-mm and 15-mm allen-head mounting bolts with nuts and washers; six 13-mm and 20-mm allen-head arm-mounting bolts and washers; 5 allen keys; aluminum alignment protractor. Low-frequency resonance: 8.5 Hz using and 8 g cartridge with 15 cu compliance; headshell offset angle 23.75°; stylus overhang 18 mm; bearing 3 ball cone and cup x 4; rear overhang behind pivot 55 mm; arm weight including counterweight 545 g ..... \$925

## GOLDMUND BY INTERNATIONAL AUDIO TECHNOLOGIES

### T3F Straight-Line Automatic Tonearm

Short-length tube with internal damping. Features ultra-low lateral inertia; adjustable fluid damping. 3 different lead counterweights; tracking-error detection by infrared sensor; VTA adjustment. Overall length 200 mm; tonearm weight 1,700 g ..... \$4,990

## GOLDRING BY MUSIC HALL

### Excel Moving-Coil Phono Cartridge

Van den Hul 1 stylus. Neodymium magnet, rosewood frontpiece, aluminum sideplates and rigid body. FR 20-30,000 Hz  $\pm 2$  dB; ch sep 25 dB at 1,000 Hz; tracking force 1.7 g ... \$1,195

### Elite Moving-Coil Phono Cartridge

Gyger 1 stylus. FR 20-30,000 Hz  $\pm 2$  dB; ch sep 25 dB at 1,000 Hz; tracking force 1.7 g ... \$495

### Eroica Moving-Coil Phono Cartridge

Available in high- and low-output versions. Low output: FR 20-30,000 Hz  $\pm 2$  dB; ch sep 25 dB at 1,000 Hz; tracking force 1.7 g ..... \$325  
High output: FR 20-22,000 Hz  $\pm 3$  dB; ch sep 25 dB at 1,000 Hz; tracking force 1.7 g ..... \$275

**Epic II Phono Cartridge.** FR 20-20,000 Hz  $\pm 3$  dB; ch sep 20 dB at 1,000 Hz; tracking force 1.75 g ..... \$99

**Elan Phono Cartridge.** FR 20-20,000 Hz  $\pm 3$  dB; ch sep 20 dB at 1,000 Hz; tracking force 2.0 g ..... \$60

### 1000 Series

Moving-magnet cartridges with interchangeable styli

**Model 1042 Gyger S Stylus.** FR 20-20,000 Hz  $\pm 2$  dB; ch sep 25 dB at 1,000 Hz; tracking force 1.75 g ..... \$250

**Model 1022 Gyger II Stylus.** FR 20-20,000 Hz  $\pm 2$  dB; ch sep 25 dB at 1,000 Hz; tracking force 1.75 g ..... \$175

# CARTRIDGES & TONEARMS

Model 1012 Gyger I Stylus. FR 20-20,000 Hz  $\pm$  2 dB; ch sep 25 dB at 1,000 Hz; tracking force 1.75 g ..... \$125

## GRADO

### Joseph Grado Signature Series

#### MCZ Phono Cartridge

MM cartridge with hybrid design and 4 separate magnetic gaps around cantilever. Features compatibility with light-to-medium-mass tonearms and standard 47 kilohm MM inputs; user-replaceable stylus. Output 1.5 mV; resonance 8-12 Hz; torsional resonance approximately 25,000 Hz; resistance 70 ohms ..... \$300

#### 8MZ Phono Cartridge

MM cartridge with user-replaceable stylus. Features compatibility with standard 47 kilohm MM inputs. Output 3.5 mV; electrical resistance 475 ohms; inductance 45 mH ..... \$200

#### Professional Series

Designed for high output and stability in changers or arms that will not track at 1 g. Recommended tracking force 2-3 g. Output 4 mV at 3.54 cm/sec (45°); sep 20 dB, FR 10-20,000 Hz.

ZCE+. Elliptical diamond stylus ..... \$45  
ZTE+. Elliptical diamond stylus ..... \$30

Specifications for following models: 0.5-in mounting centers (or optional P-mount for some); input load 47 kilohms; inductance 45 mH; DC resistance 475 ohms; pickup weight 5 g.

#### Super Flux-Bridger Series

With 0.5-in or P-mount. Recommended tracking force 0.75-2 g. Output 4 mV at 3.54 cm/sec (45°); sep 25 dB, 10-30,000 Hz.

Z2+. True ellipsoid stylus ..... \$265  
Z1+. True ellipsoid stylus ..... \$180  
Z+. Grado diamond stylus ..... \$130  
ZF1+. Grado diamond stylus ..... \$110  
ZF2+. Elliptical diamond stylus ..... \$86  
ZF3E+. Elliptical diamond stylus ..... \$69

#### Flux-Bridger Series

0.5-in or P-mount; elliptical diamond stylus; Recommended force 1-2 g. Output 4 mV at 3.54 cm/sec (45°); sep 20 dB, FR 10-30,000 Hz.

ZCE+1. .... \$55  
ZTE+1. .... \$25

#### Replacement Styli

For standard 0.5-in and P-mount cartridges; spherical styli for 78-rpm records additional \$4.

Z2+/S. .... \$110  
Z1+/S. .... \$75  
Z+/S. .... \$55  
ZF1+/S. .... \$45  
ZF2+/S. .... \$36  
ZF3E+/S. .... \$33  
ZCE+/S. .... \$30  
ZTE+/S. .... \$28  
ZTE+1/S. .... \$21  
ZTE+/S. .... \$17

## HEYBROOK BY D'ASCANIO AUDIO

### The Heybrook Tonearm

Pivoted-tracking magnesium-tube straight tonearm with adjustable vertical tracking angle and fixed headshell. Statically balanced with fixed headshell and locking counterweight. Tracking-force 0-3 g ..... \$549

## KOETSU

Koetsu cartridges are constructed of samarium cobalt, neodymium, and platino-ferric magnets

with an iron core and stress-free copper windings.

Rosewood Pro IV Cartridge ..... \$3,500  
Urushi. As above ..... \$2,500

#### Series 90 MIC Cartridge

Rosewood Signature ..... \$1,950  
Retipping service ..... \$1,200  
Rosewood ..... \$1,250  
Retipping service ..... \$700  
Black Goldline ..... \$795  
Retipping service ..... \$575

## JOHN MAROVSKIS

### JMAS MIT-1 Phono Cartridge

Van den Hul stylus. Features moving-coil mechanism; standard mounting. Output 0.25 mV at 1,000 Hz and 5 cm/sec; FR 10-10,000 Hz  $\pm$  1 dB, 10,000-20,000 Hz  $\pm$  3 dB; ch sep 25 dB at 1000 Hz; tracking force 2.25-2.5 g. Cartridge weight 5.5 g ..... \$550  
Replacement stylus ..... \$275

## MONSTER CABLE

### Sigma Genesis 2000 Moving-Coil Cartridge

Induced symmetrical-field-canceling circuitry; unique symmetrical coil construction; diamond carbon-coated boron cantilever with air-response damper and MK II stylus ..... \$1,250

### Alpha Genesis 1000 Mk II MC Cartridge

Low-output; diamond-sputtered cantilever; phase-corrected coils ..... \$800  
Alpha Genesis 500. Step-down version of Alpha Genesis 1000 Mk II ..... \$500

## MUSIC HALL

### Bullet Phono Cartridge

Highly modified Audio-Technica cartridge with elliptical stylus ..... \$125

## NAIM

### ARO Tonearm

Features outrider and balanced weight assembly; adjustable arm height. comprises fused headshell and arm tube, bearing housing, and low-slung counterweight; bias compensation adjusted by thread and falling weight. Effective length 230 mm; overhang 18 mm; cartridge weight 5.5-12 g; cartridge-mounting height 40-55 mm ..... \$1,495

ARO Arm Top ..... \$795  
ARO Arm Bottom ..... \$735

## ORACLE AUDIO

### Beta Tonearm

Pivoting design. Features static tracking-force adjustment; spring antiskating method. No detachable headshell; adjustable VTA. Effective length 229 mm; effective mass 9.5 g; cartridge weight range 4-9 g ..... \$350

### SME/345 Tonearm

Pivoting design. Features static tracking-force adjustment; spring antiskating method. Detachable headshell; adjustable VTA. Effective length 233 mm; effective mass 9.5 g; cartridge weight range 5-10 g; Silver ..... \$1,395  
Black ..... \$1,535

## ORTOFON

### Ortophase Moving-Coil Phono Cartridges

#### MC3000II

Low-mass (0.25 mg) moving-coil system. Features proprietary Ortofon Fg Replicant 100 sty-

lus mounted on rigid aluminum conical cantilever; carbon-fiber armature wound with pure silver coils and neodymium permanent magnet. Aluminum-oxide, ceramic cartridge housing with Moh scale hardness factor of 9. Output voltage at 1,000 Hz 5cm/sec 0.1 mV; ch sep at 1,000 Hz >25 dB; FR 5-90,000 Hz +4, -1 dB; tracking ability, 315 Hz at recommended tracking force >80  $\mu$ m; weight 9.5 g ..... \$1,500

#### MC30 MKII

Extruded aluminum body, carbon-fiber support system, and silver-coil windings. Stylus replicant 80. Output 0.25 mV at 1,000 cm/sec; FR 20-40,000 Hz; sep >25 dB at 1,000 Hz; tracking ability at recommended tracking force 90  $\mu$ m; weight 9 g ..... \$600

#### MC20 Super

Extruded aluminum body. Features van den Hul stylus; carbon-fiber support system. Output 0.25 mV at 1,000 cm/sec; FR 15-40,000 Hz; sep >25 dB at 1,000 Hz; tracking-force range 1.5-1.9 g; cartridge weight 9 g ..... \$350

#### MC10 Super

Elliptical nude stylus. Vertical tracking angle 20X, output 0.25 mV at 1 kHz, 5 cm/sec; FR 20-20,000 Hz  $\pm$  1 dB; tracking force 1.5 g; 7 g \$120

### High-Output Moving-Coil Cartridges

#### X5MC

High-output cartridge for direct connection to MM phono input. Features Fg type 2 nude diamond stylus. High-output/low-moving mass achieved through focused magnetic field and 230 coil windings per pole piece. Output 2 mV at 5 cm/sec. FR 15-40,000 Hz +4 -1.5 dB; sep >25 dB at 1,000 Hz. weight 4.1 g ..... \$300

#### X3-MC

High-output cartridge connects directly to MM-phono input. Features focused magnetic field for high output with low-moving mass (230 coil windings per pole piece) and nude fine-line diamond. Output 2 mV at 5 cm/sec; FR 20-40,000 Hz +4, -1.5 dB; sep >25 dB at 1,000 Hz; tracking-force range 1.8-2.2 g; cartridge weight 4.1 g; vertical tracking angle 23° ..... \$200  
X3-MCP. P-mount version of X3-MC ..... \$200

#### X1-MC

High-output cartridge with low-moving mass aluminum cantilever and elliptical diamond. Output 2 mV at 5 cm/sec; FR 20-30,000 Hz +4, -1.5 dB; sep >22 dB at 1,000 Hz; tracking-force range 1.75-2.2 g; cartridge weight 4.1 g; vertical tracking angle 23° ..... \$100  
X1-MCP. P-mount version of X1-MC ..... \$100

### Diamond Collection 500 Series MM Cartridges

#### Model 540

MM cartridge using proprietary slotted-pole pin construction for improved high-frequency response. Patented locking stylus guard to secure stylus to cartridge body, avoiding unwanted resonances. Square-shank nude diamond Fg type 1. Output at 3 mV at 1 kHz per 5 cm/sec. FR 20-28 kHz +4, -1 dB; sep >25 dB; tracking force range from 1-1.5 g; weight 5 g ..... 300  
530. Similar to 540, square-shank nude fine-line diamond. FR 20-25,000 Hz ..... \$225  
520. Similar to 530, square-shank nude elliptical diamond. Sep 23 dB; FR 20-23,000 Hz ..... \$150  
510. Similar to 520, elliptical stylus ..... \$75

### Optimum-Mass Phono Cartridges

#### OM-40 Gold

Variable-magnet-shunt cartridge with individually calibrated van den Hul stylus. Output 3.5

# CARTRIDGES & TONEARMS

mV at 1,000 cm/sec; FR 20-30,000 Hz; sep 25-1,000 dB at 1,000 Hz; tracking-force range 1-1.5 g; cartridge weight 5 or 2.5 g ..... \$300

## OM-30

Low-mass variable-magnet-shunt phono cartridge. Features plastic cartridge body for rigidity and low weight; copper coils; nude fine-line diamond stylus; tracking force 1.25 grams; FR 20-27,000 Hz; output voltage at 1,000 Hz (5 cm/sec) 3.5 mV; ch sep at 1,000 Hz >25 dB . \$225  
OMP-30. P-mount version of above; 6 g. . \$225

## OM-20

Similar to OM-30 except for a more rectangular nude elliptical-diamond stylus; designed for medium-weight tonearms; FR 20-22,000 Hz; output voltage at 1,000 Hz (5cm/sec) 4 mV \$175  
OMP-20. P-mount version of above; 6 g. . \$175

## OM-10

Similar to OM-20 except designed for use with heavier tonearms; tracking force 1.5 gram; FR 20-20,000 Hz; output voltage at 1,000 Hz (5 cm/sec) 4 mV; ch sep at 1,000 Hz 22 dB . . . \$95  
OMP-10. P-mount version of above; 6 g. . \$95

OM-5E. Similar to OM-10 except for use with heavier tonearms. Tracking force 1-5 g; FR 20-20,000 Hz. . . . . \$65  
OMP-5E. P-mount version of above . . . . . \$65  
OM-3E. Similar to OM-5E . . . . . \$35

## Pro Series Moving-Magnet Cartridge Kits

### Concorde

MM cartridge kit with one Concorde integrated pro body and two spherical pro styli. FR 20-20,000 Hz; output 5 mV at 1,000 Hz 5 cm/sec; sep/balance at 1kHz 20/2 dB; weight 16 g \$100

### OM Pro

MM-cartridge kit with one OM Pro body and 2 pro styli. Features spherical stylus and aluminum cantilever. Output 5 mV at 5 cm/sec; FR 20-18,000 Hz  $\pm$  3 dB; sep 20 dB at 1,000 Hz; tracking 3-5 g; cartridge weight 5 g . . . . . \$50  
Stylus Pro. Replacement stylus for above . \$22

## Universal Series

### TM20U Phono Cartridge

Variable-magnetic-shunt cartridge with square-shank nude elliptical diamond and universal mount. Output 4 mV at 1 kHz, 5 cm/sec; FR 20-25,000 Hz; bal/sep. 1.5/25 dB; weight 6 g. \$129

### TM14U Phono Cartridge

Elliptical diamond stylus and universal mount. FR 20-20,000 Hz; output 4.5 mV; sep/balance 25/1.5 dB at 1 kHz; equivalent stylus tip mass 0.5 mg; tracking force 1.25 g . . . . . \$89

### TM7U Phono Cartridge

Elliptical diamond stylus and universal mount. FR 20-20,000 Hz; output 5 mV at 1 kHz, 5 cm/sec; sep/balance 22/2 dB at 1 kHz; tracking force 1.25 g; equivalent tip mass 0.5 mg; recommended load 47 kilohms/200 pF . . . . . \$60

### FF15XE MkII Phono Cartridge

Variable-magnetic-shunt cartridge with 8- $\mu$ m elliptical-diamond stylus tip. Output 3.2 mV at 1 kHz, 1 cm/sec; FR 20-20,000 Hz; balance/sep 2 dB/20 dB at 1 kHz; compliance 20  $\mu$ m/mN (horizontal, vertical); tracking-force range 1.5-3 g; 5 g . . . . . \$50

## PICKERING

### XLZ/7500S Phono Cartridge

Cartridge with nude Stereoehedron diamond stylus tip. Sens 0.06 mV/cm/sec  $\pm$  2 dB; FR 10-

50,000 Hz; sep 35 dB; tracking force 0.5-1.5 g. Includes Dustamatic brush; replacement stylus D7500 . . . . . \$275

### XSV/5000 Phono Cartridge

Cartridge with nude Stereoehedron diamond stylus tip. Output 3.8 mV; FR 10-50,000 Hz; tracking force 0.5-1.5 g; sep 35 dB. Includes Dustamatic brush. Replacement stylus D5000 . . \$275  
XSV/4000. Similar to XSV/5000 except FR 10-36,000 Hz; tracking force 0.75-1.5 g; replacement stylus D5000 . . . . . \$200

### XV-15/1200 Phono Cartridge

Output 4.4mV at 5.5 cm/sec; FR 10-30,000 Hz; 0.2 x 0.7-mil elliptical stylus; tracking force 0.75-1.25 g; sep 35 dB. Includes Dustamatic brush; replacement stylus D1200 . . . . . \$170

### XV-15/757S Phono Cartridge

Stereoehedron stylus, output 4.4 mV; tracking force 0.75-1.5 g; FR 10-25,000 Hz. Includes replacement stylus D757S . . . . . \$140

### XSV/3000 Phono Cartridge

Output 5 mV at 5.5 cm/sec; FR 10-30,000Hz; Stereoehedron stylus tip; tracking force 0.75-1.5 g; sep 35 dB. Includes Dustamatic brush; replacement stylus D3000 . . . . . \$130

### XV-15/625E Phono Cartridge

Output 4.4 mV at 5.5 cm/sec; FR 10-25,000 Hz; 0.3 x 0.7-mil elliptical stylus; tracking force 0.75-1.5 g; sep 35 dB. Includes Dustamatic brush; replacement stylus . . . . . \$110

### XV-15/625DJ Phono Cartridge

Designed for disco use. Output 0.8 mV/cm/sec; sep 30 dB; tracking force 1-4 g; 0.3 x 0.7-mil elliptical stylus . . . . . \$82

### XV-15/400E Phono Cartridge

Output 5.5 mV at 5.5 cm/sec; FR 10-25,000 Hz; 0.4 x 0.7-mil elliptical stylus; tracking force .75-1.25 g; sep 35 dB. Includes features Dustamatic brush; replacement stylus D400 . . . . . \$95

### XV-15/150DJ Phono Cartridge

Extra-high-output (8 mV) cartridge; designed for amateur and home DJ's. FR 10-20,000 Hz; ch sep 28 dB; stylus tip 0.7 mil spherical; tracking force 2-4 g; replacement stylus D150DJ . . . \$79

## P-Mount Phono Cartridges

TLZ/7500S. High-performance low-imp cartridge with 4-coil, high-energy samarium-cobalt magnet. Nude stereoehedron stylus; output 0.06 mV/cm/sec; tracking force 0.75-1.5 g; FR 10-50,000 Hz . . . . . \$275  
XSP/4004. Stereoehedron stylus. Output 3.8mV; tracking 0.75-1.5 g; FR 10-36,000 Hz . . . . \$200  
TL-4S. 4-coil induced magnet. Stereoehedron stylus, output 4.4 mV, tracking force 0.75-1.5 g. FR 10-25,000 Hz . . . . . \$170  
TL-3S. Stereoehedron stylus. Output 4.4 mV; tracking 0.75-1.5 g; FR 10-25,000 Hz . . . . \$140  
XSP/3003. Stereoehedron series P-mount cartridge with output 3.3 mV. FR 10-30,000 Hz; tracking force 0.75-1.5 g.  $\pm$  .25 g . . . . \$130  
TL-2S. Stereoehedron stylus. Output 4.4 mV; tracking 0.75-1.5 g; FR 10-22,000 Hz . . . . \$110  
TL-2E. Elliptical stylus. Output 4.4 mV; tracking 0.75-1.5 g; FR 10-22,000 Hz . . . . \$95

V-15/Series II-S. Stereoehedron stylus; FR 10-25,000 Hz; output 3.5 mV. Replacement stylus DSR-S . . . . . \$88  
TL625DJ. P-mount cartridge. FR 20-20,000Hz, output 4.4 mV, tracking force 3.5-4 g. Replacement stylus DJL . . . . . \$82  
TLE Type 2. Elliptical stylus. Output 3.0 mV; tracking force 0.75-1.5 g; FR 10-22,000 Hz . \$60  
TLE. Elliptical stylus. Output 4.4 mV; tracking force 0.75-1.5 g; FR 10-20,000 Hz . . . . \$55

V-15/Series II-EE. Elliptical stylus; FR 10-20,000 Hz; output 3.5 mV. Replacement stylus DSR-EE . . . . . \$55

V-15/Series II-E. Elliptical stylus; FR 10-18,000 Hz; output 3.5 mV. Replacement stylus DSR-E . . . . . \$50

TL-1. Standard P-mount, 2-coil moving magnet. Tracking 0.75-1.5 g. Elliptical stylus, FR 10-20,000 Hz, output 4.4 mV . . . . . \$37

## V15-DJ Phono Cartridge

Spherical cartridge (standard .5-in mount); output 4.4mV; tracking 2-5 g; 5.5 g . . . . . \$43

## PIONEER

### PC-295T Phono Cartridge

T4P P-mount cartridge; induced-magnet design. FR 10-33,000 Hz; output voltage 2.5 mV; tracking force 1.25 g. . . . . \$80  
PN-295T. Replacement stylus for above . . \$35

### PC-300T Phono Cartridge

T4P P-mount cartridge; induced-magnet design. FR 10-33,000 Hz; output voltage 2.5 mV; tracking force 1.25 g. . . . . \$80  
PN-300T. Replacement stylus for above . . \$30

### PC-290T Phono Cartridge

T4P P-mount cartridge; induced-magnet design. FR 10-33,000 Hz; output voltage 2.5 mV; tracking force 1.25 g. . . . . \$70  
PN-290T. Replacement stylus for above . . \$30

### PC-5MC Moving-Coil Phono Cartridge

High-output MC cartridge. FR 10-32,000 Hz; output voltage 2 mV; tracking force 1.7-2.3 g. \$54  
PN-5MC. Replacement stylus for above . . \$32

### PC-250T Phono Cartridge

T4P P-mount cartridge. FR 10-30,000 Hz; output voltage 2.5 mV; tracking force 1-1.5 g . . . . \$50  
PN-250T. Replacement stylus for above . . \$20

## REALISTIC BY RADIO SHACK

### V15 Realistic/Shure Phono Cartridge

Cartridge features stabilizer; viscous damping for tracking warped records. Tracking force 1.25-1.75 g; FR 5-30,000 Hz . . . . . \$80

### RXT6 Realistic/Shure Phono Cartridge

Telescope stylus with dynamic stabilizer. P-mount adaptor and installation kit. Tracking force 1.25-1.75 g . . . . . \$50

### RXP3 Realistic/Shure Phono Cartridge

P-mount; elliptical diamond stylus; tracking force 1.25 g . . . . . \$20

### R47XT Realistic/Shure Phono Cartridge

Elliptical diamond stylus (10 x 18 microns); tracking force 1.75-2.25 g; sep 20 dB . . . . \$27

### RS500DJ Realistic/Stanton Phono Cartridge

Pro Series cartridge features back-cues and scratch mixes; tracking force 2.5 g . . . . \$30  
R500DJ. Replacement stylus . . . . . \$20

### RX1500 Phono Cartridge

Dual-magnet cartridge with diamond elliptical stylus; tracking force 1-1.5 g . . . . . \$30

### R25XT Realistic/Shure Phono Cartridge

Elliptical diamond stylus (10 x 18 microns); tracking force 2.5-3.5 g . . . . . \$20

## Replacement Styli

R8X. Diamond stylus for R1000, Shure M90, M75, T-2 series . . . . . \$25  
RT1500. Diamond elliptical stylus for RX1500. Audio-Technica AT-102P, 102, 112, 122EP cartridges; tracking force 1-1.5 g. . . . . \$30

# CARTRIDGES & TONEARMS

**RS3P.** Diamond stylus for RXP3 and Shure M92E, M99E, M104E ..... \$20  
**RS50E.** Diamond elliptical stylus for ADC, QLM34 MK III, P32, K5E cartridges ..... \$20  
**R5X.** Diamond stylus for R47, Shure M70, and M75 series ..... \$18  
**R3X.** Diamond stylus for R25, Shure M71 ..... \$15  
**42-2772.** Diamond conical stylus ..... \$15  
**DAT-2.** Diamond conical stylus for Pickering V15/AT-1/2, KLH, similar cartridges ..... \$12  
**RSK8C.** Diamond conical stylus for QLM30 and ADC K series cartridges ..... \$11  
**PS-203.** Diamond stylus for Clarinette 14/15/16 and 13-1117/1118 ..... \$6

## REVOLVER BY MUSIC HALL

### Revolver Super Tonearm

Similar to Revolver Straight Tonearm, but with larger zero-free-play bearings ..... \$550

### Revolver Straight Tonearm

Statically balanced pivoted direct-coupled tonearm with zero-free-play precision ball races. Features decoupled counterweight. Tracking force 2-10 grams; offset angle 23.5°, stylus overhang 18 mm. Overall length 285 mm; effective length 228 mm; 393 grams ..... \$220

## SHURE

### ULTRA 500 Phono Cartridge

Similar to V15 type V/MR (below), plus other features. Total effective mass 0.165 mg; dynamic vertical stylus compliance at 10 Hz 20  $\mu\text{cm}/\text{dyne}$ ; output at 1,000 Hz; 5 cm/sec peak velocity; 3.2 mV ..... \$415

### V15VMR Phono Cartridge

MM cartridge with improved low-distortion Micro-Ridge stylus tip and beryllium stylus shank for increased trackability. Features viscous-damped Dynamic Stabilizer and Side-Guard stylus protection system; includes Duo-Point Alignment Gauge and computer performance printout. Output 3.2 mV at 1,000 Hz (5 cm/sec peak velocity); FR 10-28,000 Hz; sep 25 dB at 1,000 Hz; tracking force 1.0 g; replacement stylus VN5MR ..... \$297

### V15 Type V-B Phono Cartridge

MM cartridge with hyperelliptical tip, beryllium stylus shank, dynamic stabilizer and Side-Guard stylus protection system. Includes individual computer performance printout. Output 3.2 mV at 1 kHz (5 cm/sec peak velocity); FR 10-28,000 Hz; sep 25 dB or greater at 1,000 Hz; tracking force 1.0 g; replacement stylus VN5HE; VN5MR upgrade ..... \$237

### V15 Type V-P Phono Cartridge

Designed for P-mount tonearms. Features hyperelliptical tip; beryllium stylus shank; computer performance printout. Same specs as V15 type V-B. Replacement stylus VN5P ..... \$221

### VST V Phono Cartridge

Features beryllium, telescoped stylus shank; hyperelliptical stylus tip; dynamic stabilizer; Side-Guard stylus-protection system. Frequency response 10-35,000 Hz; trackability at 10,000 Hz 72 cm/sec; ch sep at 1,000 Hz 25 dB ..... \$180

### M110HE Phono Cartridge

Features telescoped stylus shank, hyperelliptical tip, dynamic stabilizer, Side-Guard stylus protection system; rigid, low-mass converter allows mounting to either conventional 0.5-in-mount tonearms or most P-mount tonearms; output 5.0 mV at 1 kHz (5 cm/sec peak velocity); FR 20-20,000 Hz; sep 25 dB at 1 kHz; tracking force 1.25 g. Replacement stylus N110HE ..... \$150

### M110HE Phono Cartridge

Features telescoped stylus shank, hyperelliptical tip, and Side-Guard stylus protection system; rigid, low-mass converter allows mounting to either conventional 0.5-in-mount tonearms or all P-mount tone-arms; same specs as M110HE. Replacement stylus N110HE ..... \$123

### M105E Phono Cartridge

Features 0.2 x 0.7 mil elliptical tip and thin-walled, reinforced aluminum shank. Also features Destaticizer brush to clean dust from record grooves and remove static electricity; Side-Guard stylus-protection system. Fits most P-mount tonearms, includes rigid 0.5-in-mount converter. Output 5.0 mV at 1 kHz (5 cm/sec peak velocity); FR 20-20,000 Hz; sep 25 dB at 1 kHz; tracking force 1.25 g. Replacement stylus N105E ..... \$111

### VST III Phono Cartridge

MM cartridge. Features beryllium stylus shank; hyperelliptical stylus tip; telescoped stylus shank; dynamic stabilizer; Side-Guard stylus-protection system. FR 10-20,000 Hz; trackability at 10,000 Hz 56 cm/sec; ch sep at 1,000 Hz 25 dB ..... \$105  
**VST III-P.** As above, P-mount ..... \$95

### M104E Phono Cartridge

Cartridge with 0.2 x 0.7 mil elliptical stylus-tip and tubular heat-treated aluminum stylus shank. P-mount compatible and includes rigid 0.5-in-mount converter. Output 5.0 mV at 1 kHz (5 cm/sec peak velocity); FR 20-20,000 Hz; sep 25 dB; tracking force 1.25 g. Replacement stylus N104E ..... \$78

### SC39EJ Phono Cartridge

Features biradial stylus; Side-Guard stylus-protection system; output voltage 4 mV; FR 20-20,000 Hz; ch bal within 2 dB; ch sep 20 dB at 1,000 Hz; tracking force 1.5-3 g; beige stylus grip ..... \$78.30  
**SC39B.** As above, spherical stylus; green stylus grip ..... \$70

### M55E Phono Cartridge

MM cartridge. Output 6.2 mV at 5 cm/sec peak velocity (1 kHz); FR 20-20,000 Hz; tracking force 0.75-2 g; sep 20 dB (1 kHz); 0.2 x 0.7-mil biradial (elliptical) stylus; replacement stylus N55E ..... \$73

### M44E Phono Cartridge

MM cartridge. Output 9.5 mV at 5 cm/sec peak velocity (1 kHz); FR 20-20,000 Hz; tracking force 1.75-4 g; sep 20 dB (1 kHz); 0.4 x 0.7-mil biradial (elliptical) stylus; replacement stylus N44E ..... \$64

### M44G Phono Cartridge

Features flip-down stylus guard; 15-micron spherical stylus tip. Tracking force 0.75-1.25grams; FR 20-20,000 Hz; ch bal within 2 dB; ch sep at 1,000 Hz 20 dB; output 6.2 mV ..... \$59

### M44C Phono Cartridge

Features flip-down stylus guard; 15-micron spherical stylus tip. Tracking force 3-5 grams; FR 20-20,000 Hz; ch bal within 2 dB; ch sep at 1,000 Hz 20 dB; output 6.2 mV ..... \$57

### M447 Phono Cartridge

Features flip-down stylus guard; 15-micron spherical stylus tip. Tracking force 1.5-3 grams; FR 20-20,000 Hz; ch bal within 2 dB; ch sep at 1,000 Hz 20 dB; output 6.2 mV ..... \$57

### M99E Phono Cartridge

Heat-treated tubular-aluminum stylus shank and 0.2 x 0.7 mil elliptical stylus tip. P-mount compatible; fits conventional 0.5-in-mount

tonearms with rigid converter. Output 5.0 mV at 1 kHz (5 cm/sec peak velocity); Frequency response 20-20,000 Hz; channel separation 20 dB at 1 kHz; tracking force 1.25 g. Replacement stylus N99E ..... \$56

### SC35C Phono Cartridge

Features spherical stylus; output voltage 5 mV; FR 20-20,000 Hz; ch bal within 2 dB; channel separation 20 dB at 1,000 Hz; tracking force 4-5 grams ..... \$50

### M92E Phono Cartridge

Heat-treated tubular-aluminum stylus shank and 0.4 x 0.7 mil elliptical stylus tip. P-mount compatible and fits conventional 0.5-in-mount tonearms with rigid converter. Output 5.0 mV at 1 kHz (5 cm/sec peak velocity); frequency response 20-18,000 Hz; channel separation 20 dB at 1,000 Hz; tracking force 1.25 g. Replacement stylus N92E ..... \$34

## SIGNET

### Analog Master Series

#### AM50s Phono Cartridge

Bench-crafted, standard-mount, twin-flux design featuring PCOCC wire; gold-plated beryllium cantilever; square-shank MicroLine stylus. FR 5-37,000 Hz; output 5.0 mV at 1,000 Hz, 5 cm/sec; tracking-force range 0.8-1.8 g. Cartridge weight 6 g. .... \$350

#### AM40s Phono Cartridge

Bench-crafted, standard-mount, twin-flux design featuring PCOCC wire; tapered beryllium cantilever; nude straight-line-contact stylus. FR 5-35,000 Hz; output 5.0 mV at 1,000 Hz, 5 cm/sec; tracking-force range 0.8-1.6 g. Cartridge weight 6 g. .... \$275

#### AM30s Phono Cartridge

Bench-crafted, standard-mount, twin-flux design featuring PCOCC wire; thin-wall alloy tapered cantilever; 0.3 x 0.7 nude elliptical stylus. FR 5-30,000 Hz; output 5.0 mV at 1,000 Hz, 5 cm/sec; tracking-force range 0.8-1.6 g. Cartridge weight 6 g. .... \$225

#### AM20s Phono Cartridge

Bench-crafted, standard-mount, twin-flux design featuring PCOCC wire; thin-wall alloy tapered cantilever; 0.3 x 0.7 nude elliptical stylus. FR 10-30,000 Hz; output 5.0 mV at 1,000 Hz, 5 cm/sec; tracking-force range 0.9-1.9 g. Cartridge weight 6 g. .... \$195  
**AM20p.** P-mount version of above ..... \$195

#### AM10s Phono Cartridge

Bench-crafted, standard-mount, twin-flux design featuring PCOCC wire; thin-wall aluminum cantilever; 0.3 x 0.7 mil miniature nude elliptical diamond stylus. FR 15-25,000 Hz; output 5.0 mV at 1,000 Hz, 5 cm/sec; tracking-force range 1.3-2.3 g. Cartridge weight 6 g. .... \$125

### MK Micro-Coil Series

#### AT-OC9 Moving-Coil Phono Cartridge

Features dual MicroCoil design; 0.2 x 0.7 mil biradial nude diamond stylus; gold-plated beryllium cantilever; PCOCC coils. Output 0.4 mV at 1,000 Hz 5cm/sec; Frequency response 15-50,000 Hz; tracking-force 1.25-1.75 g; cartridge weight 7.8 g. .... \$400

#### MK55e Moving-Coil Phono Cartridge

Features dual MicroCoil design; 0.2 x 0.7 mil biradial nude diamond; beryllium cantilever; PCOCC coils. Output 0.3 mV at 5 cm/sec; FR 15-50,000 Hz; tracking-force range 1.25-1.75 g; cartridge weight 5 g. .... \$250

# CARTRIDGES & TONEARMS

## Standard Series

### Model 107 Phono Cartridge

Universal-mount, linear-contact stylus. Output 3.0 mV at 1,000 Hz; sep 31 dB at 1.00 Hz; FR 10-30,000 Hz; tracking force 1.6 g ..... \$150

### Model 105 Phono Cartridge

Universal-mount, 0.3 x 0.7-mil elliptical stylus; output 5.0 mV at 1,000 Hz at 5 cm/sec; sep 29 dB at 1,000 Hz; FR 15-27,000 Hz; tracking force 1.6 g ..... \$110

### Model 103 Phono Cartridge

Universal-mount, 0.4 x 0.7-mil elliptical stylus; output 5.0 mV at 1,000 Hz at 5 cm/sec; FR 15-25,000 Hz; sep 29 dB at 1,000 Hz; tracking force 1.6 g ..... \$90

### Model 101 Phono Cartridge

Universal-mount; 0.6-mil stylus; output 5.0 mV at 1,000 Hz at 5 cm/sec; FR 20-20,000 Hz; sep 24 dB at 1,000 Hz; tracking force 1.6 g ..... \$60

### Model 100 Phono Cartridge

0.5-in mount; 0.4 x 0.7-mil elliptical stylus; output 4.2 mV at 1,000 Hz at 5 cm/sec; FR 20-22,000 Hz; sep 22 dB at 1,000 Hz; tracking force range 1.5-2.5 g ..... \$60

## SUMIKO

### Kiseki Series

#### Lapis Lazuli Moving-Coil Phono Cartridge

MC cartridge with hyper-elliptical stylus, made of lapis lazuli. Diamond cantilever. Output 0.4 mV. Cartridge weight 11 g ..... \$5,600

#### Blackheart Moving Coil Phono Cartridge

Special hyper-elliptical stylus; boron cantilever. FR 20-50,000 Hz; output 0.4 mV; ch sep 30 dB; tracking force 1.8 g; total weight 7.5 g ... \$2,500

#### Agaat Ruby Moving-Coil Phono Cartridge

MC cartridge with hyper-elliptical stylus. Ruby cantilever. Output 0.4 mV; FR 20-50,000 Hz; ch sep 30 dB; tracking force 2 g. Cartridge weight 11 g ..... \$1,250

**Purple Heart Sapphire.** As above, sapphire cantilever; sendust armature. Cartridge weight 7.5 g ..... \$975

**Blue Gold.** As above, aluminum body; boron overlay cantilever. Cartridge weight 11 g. \$600

### Virtuoso Series

#### Virtuoso DTI Moving-Coil Phono Cartridge

MC cartridge with diamond-titanium cantilever. van den Hul stylus. Output 1.8 mV; FR 15-32,000 Hz; tracking force 1.8-2.2 g. Cartridge weight 7.5 g ..... \$1,200

**Virtuoso Boron.** As above, boron cantilever ..... \$850

### Alchemist Series

#### Alchemist IIS Moving-Coil Phono Cartridge

Samarium-cobalt magnet; zinc body; sapphire rod cantilever and van den Hul stylus. Output 1.8 mV; FR 10-60,000 Hz; ch sep 30 dB; tracking force 1.8-2.2 g. Cartridge wt 6.7 g ..... \$495

**Alchemist IIB.** As above, boron cantilever. FR 15-32,000 Hz; ch sep 35 dB ..... \$475

#### Alchemist IAT Moving-Coil Phono Cartridge

Aluminum/magnesium cantilever and elliptical stylus. FR 20-40,000 Hz; ch sep 25; tracking force 1.5-2.1 g. Cartridge weight 6.7 g ... \$300

### Talisman Series

#### Talisman SvdH Moving-Coil Phono Cartridge

Van den Hul stylus. Sapphire-tube cantilever.

Output 0.26 mV; FR 10-60,000 Hz; ch sep 30 dB; tracking force 1.8-2.2 g. Wt 6.3 g ..... \$235

**Talisman BvdH.** As above, boron cantilever. FR 10-50,000 Hz; tracking force 1.5-2.1 g ... \$195

**Talisman AT.** Similar to above, aluminum/magnesium cantilever and elliptical stylus. Output 0.20 mV; FR 20-40,000 Hz; ch sep 25 dB ... \$225

### Sumiko Blue Point MC Phono Cartridge

Elliptical stylus. Standard or P-mount. Output 3 mV; FR 15-35,000 Hz; ch sep 32 dB; tracking force 1.25-1.7 g. Cartridge wt 5.9 g ..... \$125

### Pearl Phono Cartridge

Elliptical stylus. Output 5 mV; FR 12-30,000 Hz; ch sep 30 dB; tracking force 1.5-2.0 g. Cartridge weight 6 g ..... \$75

### Black Pearl Phono Cartridge

Elliptical stylus. Output 5 mV; FR 18-27,000 Hz; ch sep 28 dB; tracking force 1.5-2.0 g. Cartridge weight 6 g ..... \$50

### Oyster Phono Cartridge

MM cartridge with spherical stylus. Output 4 mV; FR 30-20,000 Hz; ch sep 25 dB; tracking force 1.5-2.5 g. Cartridge weight 5.3 g .... \$30

### Tonearms

Each of the tonearms have cueing, antiskating and vertical-tracking-angle adjustment.

### SME Series V Straight Tonearm

Pivoted tonearm with 1-piece magnesium casting from headshell to rear of counterweight rails. Features captive ball-race bearings; all silver wiring. Tracking force 0-3 g; overall length 11 1/2 in ..... \$2,250

**Series IV.** Similar to Series V except ABEC-3 bearings; static balanced vertical tracking; manually adjusted arm height ..... \$1,500

### SME 309 Tonearm

Pivoted tonearm with fixed cartridge mount. Tracking force 0-3 g; effective length 9 1/2 in; overall length 11 1/2 in ..... \$950

**Premier FT-4.** Pivoted tonearm with fixed mount features azimuth-adjustable damped tube; VTA lift base; silver wiring. Tracking force 0-3 g; overall length 12 in ..... \$550

**Premier FT-3K.** As above, no VTA lift base, OFC wire ..... \$395

### Premier Studio Tonearm

Pivot design with azimuth adjustable removable headshell. Internally damped armtube; silver wire. overall length 12 in ..... \$400

### Premier MMT Tonearm

Pivoted tonearm with removable shell mount. Features adjustable azimuth. Tracking force 0-3 g; overall length 12 in ..... \$290

## TECHNICS

### EPA 250 S-Shaped Tonearm

Balanced tonearm with decoupled counterweight. Tracking force range 0-2 g; effective mass 14 g; stylus overhang 15 mm; overall length 343 mm; effective length 250 mm... \$800

### EPC-P550 Phono Cartridge

0.3 x 0.7-mil elliptical diamond and ultra-low-mass cantilever. Output 2.5 mV at 5 cm/sec; sep 25 dB at 1,000 Hz; tracking force range 2.5 g ± 0.25 g; cartridge weight 6 g ..... \$140

### EPC-P540 Phono Cartridge

Output 2.5 mV cm/sec; sep 25 dB at 1,000 Hz; tracking force 1.25 ± 0.25 grams; cartridge weight 6 grams ..... \$110

### EPC-P530 Phono Cartridge

Output 2.5 mV at 5 cm/sec; sep 25 dB at 1 kHz; tracking force 1.25 ± 0.25 grams; cartridge weight 6 grams ..... \$80

## THRESHOLD

### Renaissance Moving-Coil Phono Cartridge

Features neodymium-iron-boron magnet, proprietary coil winding; stylus configuration is miniature microridge diamond in ultra-thin boron rod. Body reinforced nonresonant resin compound. FR 8-75,000 Hz; ch sep >30 dB at 1,000 Hz. input loading 100-1,000 ohms; tracking force 1.9 grams; 5 grams ..... \$1,400

## VAN DEN HUL

MM-1 System Phono Cartridge ..... \$350

### Moving-Coil Phono Cartridges

The generator, suspension system, super-hardened boron cantilever, and stylus are designed by A.J. van den Hul and appear in the following cartridges. Aluminum housing has reference lines for adjustments and each cartridge comes with a 2-point alignment gauge and a spit-level balance to adjust azimuth; mounting holes are threaded for quick set up.

Grasshopper ..... \$2,700

### MC-One Moving-Coil Phono Cartridge

For use with high-performance preamps. Fast action/reaction between stylus/record groove. Output 0.6 mV; tracking force 1.3-1.5g \$1,075 Available in 47-kilohm version ..... \$1,175

## VECTOR RESEARCH

### VPM-105 Phono Cartridge

Diamond stylus; dual moving-magnet; low mass; premounted in VT185 head shell ... \$60

### VPM-103 Phono Cartridge

Diamond stylus; dual moving-magnet; low mass; plug-in P-mount T4P ..... \$50

## WHEATON MUSIC

### Tri-Planar II Tonearm

Features mono-crystal wiring from headshell to output-box chassis mounts; handmade, polished needle cones; lead-insert at headshell. Stylus-to-pivot distance 250 mm; offset angle 22°; overhang 16.5 mm ..... \$1,795

## YAMAHA

### MC-100 Moving-Coil Phono Cartridge

Features cross-matrix air-core moving-coil system; pure-beryllium tapered-tubular cantilever; metal housing for high magnetic-flux density; equalizing damper; high-energy samarium-cobalt magnet. 0.5 lb ..... \$300

### MC-10 Moving Coil Phono Cartridge

Features cross-matrix moving-coil system; aluminum-tapered tubular cantilever; equalizing damper; metal housing assembly; one-point suspension. 0.5 lb ..... \$120

### MC-21 MC/MM Phono Cartridge

Features MC/MM phono input compatibility; cross-matrix MC system; aluminum tapered-tubular cantilever; equalizing damper; one-piece housing. Cartridge weight 0.5 lb ..... \$70

Abbreviations used within this buyers' guide are explained on pages 239-245.

# SPEAKERS



## ACOUSTIC INTERFACE

All Acoustic Interface speakers have a 15-year limited warranty.

### Sound Prism 3-Way Powered Speaker

Vented-horn speaker with 24 x 52-in compression woofer, 13 x 22-in horn midrange, 7¼ x 3-in horn tweeter, built-in triamplification (1,500 W/woofer, 300 W/midrange, 100 W/tweeter). Features infrared or fiber-optic transmitter from preamplifier to speaker; tweeter transient-overload protection; over-voltage, over-current, thermal overload, clipped, and DC signal protection. Midrange, tweeter-level controls; oiled walnut or oak finish. FR 10-20,000 Hz ± 1 dB; sens 105 dB SPL/W/m; 0.09% THD at 100 dB from 10-20,000 Hz; crossover points 550 and 5,000 Hz; imp 8 ohms; 27 x 80 x 36 in; 500 lb ea. . . . . \$30,000/pr

### Sound Portal 3-Way Speaker

Vented-horn speaker with 24 x 32-in compression woofer, 19 x 7-in horn midrange, 5 x 5-in horn tweeter. Features tweeter transient-overload protection; midrange-tweeter level controls; oiled walnut or oak cabinet. FR 15-20,000 Hz ± 2.5 dB; 0.1% THD at 100 dB from 15-20,000 Hz; crossover points 800 and 5,000 Hz; sens 101 dB SPL/W/m; min power 15 W; imp 8 ohms; 25½ x 72 x 24 in; 175 lb ea. . . . \$10,000/pr

### Studio Reference 3-Way Speaker

Vented speaker with 12-in woofer, 15 x 4-in horn midrange; 5¼ x 2-in horn tweeter. Features tweeter transient-overload protection; midrange, tweeter-level controls; oiled walnut or oak cabinet; black cloth grille. FR 22-20,000 Hz ± 2.5 dB; 0.3% THD at 100 dB from 22-20,000 Hz; crossover points 880 and 5,000 Hz; sens 98 dB SPL/W/m; min power 15 W; imp 8 ohms; 18½ x 48 x 16 in; 102 lb ea. . . . \$3,180/pr

### Tremor Subwoofer

Vented subwoofer with 2 woofers in separate subenclosures. Features oiled walnut or oak cabinet; black cloth grille. FR 29-200 Hz ± 2.5 dB; 1% THD at 100 dB; sens 96 dB SPL/W/m; min power 15 W; imp 8 ohms; 27 x 63¼ x 16 in; 150 lb . . . . . \$1,090 ea  
With 800 W/ch internal amplifier . . . \$1,790 ea

### Professional Series II 3-Way Speaker

Vented speaker with 12-in woofer; 2-in dome midrange; 1-in dome tweeter. Features midrange-tweeter-level controls; oiled walnut or oak cabinet; black cloth grille. FR 29-20,000 Hz ± 2.5 dB; 0.9% THD at 100 dB from 29-20,000 Hz; crossover points 800 and 6,600 Hz; sens 95 dB SPL/W/m; min power 15 W; imp 8 ohms; 18½ x 36 x 16 in; 80 lb ea. . . . . \$1,780/pr

### Transcendent 2-Way Speaker

Vented speaker with 12-in woofer, 1¼-in dome midrange/tweeter. Features midrange-tweeter-level controls; oiled walnut or oak cabinet;

black cloth grille. FR 38-20,000 Hz ± 2.5 dB; 1% THD at 100 dB from 38-20,000 Hz; crossover point 1,900 Hz; sens 94 dB SPL/W/m; min power 15 W; imp 8 ohms; 16 x 24 x 14½ in; 51 lb ea. . . . . \$980/pr

### Intimate 2-Way Speaker

Acoustic-suspension speaker with 10-in woofer, 1-in dome tweeter. Tweeter-level control; oiled walnut or oak cabinet; black cloth grille. FR 49-20,000 Hz ± 2.5 dB; 2% total harmonic distortion at 100 dB from 49-20,000 Hz, crossover point 5,000 Hz; sens 93 dB SPL/W/m; minimum power 15 W; impedance 8 ohms; 12 x 19 x 12 in; 29 lb ea . . . . . \$580/pr

### Shadow 2-Way Speaker

Acoustic-suspension speaker with 8-in woofer, 1-in dome tweeter. Features cylindrical cabinet covered with black cloth grille. FR 69-20,000 Hz ± 2.5 dB; 2% THD at 100 dB from 69-20,000 Hz; crossover point 5,000 Hz; sens 91 dB SPL/W/m; min power 15 W; imp 8 ohms; 24½ high x 8¾ in diameter . . . . . \$380/pr

### Angstrom 2-Way Speaker

Acoustic-suspension speaker with 6½-in woofer, 1-in dome tweeter. Features charcoal enamel cabinet; black cloth grille. FR 78-20,000 Hz ± 2.5 dB; 2% THD at 100 dB from 78-20,000 Hz; crossover point 5,000 Hz; sens 90 dB SPL/W/m; min power 15 W; imp 8 ohms. 7½ x 12¾ x 6½ in; 9 lb ea; walnut or oak finish . . . . \$350/pr  
Charcoal-enamel finish . . . . . \$250/pr

## ACOUSTIC RESEARCH

### STC 660 Subwoofer/Satellite System

Series Tuned Cavity system featuring two 6-in woofers; enclosure uses two tuned cavities in series configuration. Satellites feature magnetically-shielded-drivers in black cabinet with choice of oak or walnut trim. . . . . \$588/sys

### IMS 660 Subwoofer/Satellite System

Acoustic-suspension satellite system; subwoofer uses 2 tuned cavities in series configuration. Crossover point 5,000 Hz. Power handling 75-180W; sens 92 dB; FR 55-40,000 Hz. Black finish . . . . . \$500/sys

### AR 102 2-Way Speaker

Acoustic-suspension system consists of 1-in polycarbonate tweeter with liquid cooling and 6-in polypropylene long-throw woofer; tetra-helix-like tweeter. Max power 65W; frequency response 72-25,000 Hz; sens 88 dB; imp 6 ohms. Metallic gray cabinets and black trim. 7½ x 12¼ x 6½ in; 6.3 lbs ea. . . . . \$200/pr

### TSW-A Series

Features polypropylene woofers and midrange drivers.

### TSW 910-A 4-Way Speaker

Floor-standing acoustic-suspension column

speaker with Tetra-Helix tweeter-mounting plate. Features two 12-in woofers (one front-firing, one rear-firing); 8-in lower-midrange driver; two 6½-in midranges; 1-in titanium-dome liquid-cooled tweeter with acoustic lens; split crossover network. Power handling 35-400 W; imp 4 ohms; FR 28-32,000 Hz - 3 dB; crossover points 200, 550, 5,500 Hz; sens 90 dB with 2.83 V rms input at 1 meter on axis. Solid walnut or oak top/bottom with cloth-covered black-vinyl-veneer cabinet and black grille cloth. 15¼ x 52¼ x 18½ in; 140 lb . . . \$2,200/pr

### TSW 710-A 3-Way Speaker

Floor-standing acoustic-suspension column speaker with Tetra-Helix tweeter-mounting plate. Features two 8-in filled polypropylene-cone long-throw woofers; 6½-in filled polypropylene-cone midrange in subenclosure; ¾-in titanium-dome liquid-cooled tweeter. Power range 15-175 W; imp 4 ohms; FR 40-40,000 Hz - 3 dB; crossover points 250, 5,000 Hz; sens 90 dB SPL with a 2.83 V rms drive level input at 1 meter on axis. Solid hardwood top and bottom (walnut or oak) with black-vinyl-veneer cabinet and black grille cloth; 14¾ x 38½ x 13½ in; 46 lb . . . . . \$1,200/pr

### TSW 610-A 3-Way Speaker

Floor-standing acoustic-suspension speaker with Tetra-Helix tweeter-mounting plate. Features 12-in woofer; 6½-in midrange; ¾-in titanium-dome liquid-cooled tweeter with acoustic lens. Power range 15-175 W; imp 4 ohms; FR 40-40,000 Hz - 3 dB; sens 90 dB with 2.83 V rms input at 1 meter on axis. Solid walnut or oak top and bottom with black-vinyl-veneer cabinet and black grille cloth. 14 x 32¾ x 13¼ in; 57 lb . . . . . \$1,000/pr

### TSW 510-A 3-Way Speaker

Floor-standing acoustic-suspension speaker with Tetra-Helix tweeter-mounting plate. Features 10-in woofer; 6½-in midrange; ¾-in titanium-dome liquid-cooled tweeter with acoustic lens. Power range 15-150 W; imp 4 ohms; FR 44-40,000 Hz - 3 dB; sens 90 dB with 2.83 V rms input at 1 meter on axis. Solid walnut or oak top and bottom with black-vinyl-veneer cabinet and black grille cloth. 14 x 30¾ x 13¼ in; 49 lb . . . . . \$800/pr

### TSW 410-A 3-Way Bookshelf Speaker

Bookshelf acoustic-suspension speaker with Tetra-Helix tweeter-mounting plate. Features 8-in woofer; 6½-in midrange; ¾-in titanium-dome liquid-cooled tweeter with acoustic lens. Power range 10-100 W; imp 4 ohms; FR 46-40,000 Hz, - 3 dB; sens 89 dB with 2.83 V rms input at 1 meter on axis. Solid walnut or oak top and bottom with black-vinyl-veneer cabinet and black grille cloth. 12¼ x 24½ x 11¼ in; 30.5 lb . . . . . \$600/pr

### TSW 315-A 3-Way Bookshelf Speaker

Bookshelf acoustic-suspension speaker with





I C O N

By making our speakers available to you directly from our factory, we can offer them at half the price the same speakers would cost in a store, saving you hundreds of dollars.

Icon speakers are built from the world's finest components. These include metal dome tweeters from Norway, polypropylene woofers from Denmark, audiophile-grade polypropylene capacitors from France, bypassed with our own proprietary polystyrene capacitors made in the U.S., internal wiring from AudioQuest™, and two pair of gold Tiffany binding posts set up for optional bi-wiring.

**The 43,200 Minute, No Pressure Audition.**

At Icon we give you the chance to audition our speakers in the one place that really matters: your own home. Just call our toll-free number and we'll ship a pair of Icon speakers directly to you via Federal Express®, at our expense. Once you receive your speakers, you'll have 30 days to try them, without a salesman looking over your shoulder, without any pressure, and without risk. If after 30 days you're not happy, just give us a call and we'll send Federal Express® out to retrieve the speakers at your home, again at our expense. It's that simple.

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*Shown: The Parsec, \$1495 per pair, also available, The Lumen, \$695 per pair.*



I C O N A C O U S T I C S I N C

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CIRCLE NO. 16 ON READER SERVICE CARD

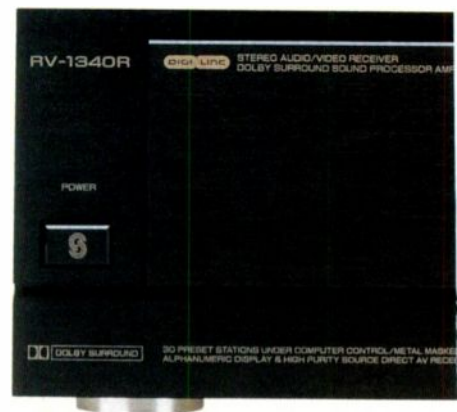
# Don't T Friend Expens

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Your friends will remember the great sounding receivers we built back in the Sixties that reproduced the music of Clapton, Jimi Hendrix and The Doors. You can just imagine what our FM sounds like now with improvements such as balanced mixers and a MOSFET front end. A heavy duty power

supply, bypassable tone controls and a low noise motorized volume control help ensure the cleanest, most distortion free amplification whatever the signal source.

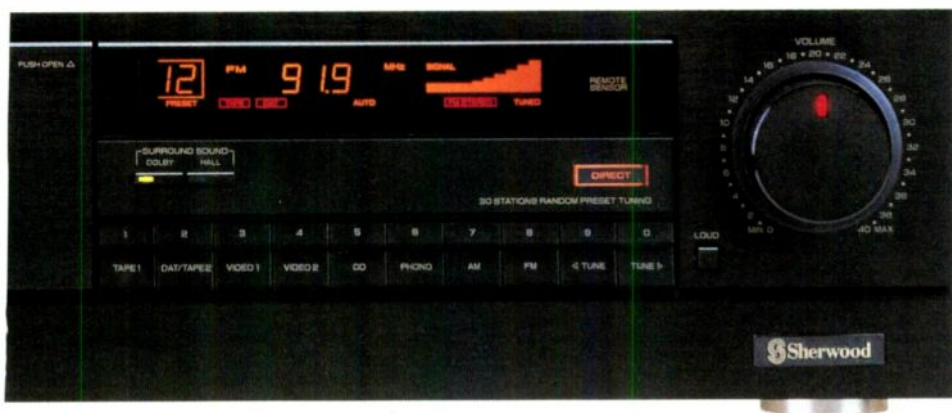
Because you demand that your receiver is your Audio/Video command center, we provide input jacks for CD, Phono, Video 1 and 2, Tape 1 and DAT/Tape 2. To enhance your home theater experience our engineers have added Dolby® Surround and a remote



control to harness all this power from the best seat in the house.

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So after you've installed your Sherwood RV-1340R, cranked up the volume, and impressed your most critical friends with your sound judgement, please don't tell them how expensive it is.

an all-aluminum cabinet or cheapened the faceplate with seldom used features, instead we neatly concealed them behind a smoothly articulated fold-down door.

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# SPEAKERS

Tetra-Helix tweeter-mounting plate. Features 6½-in woofer; 6½-in woofer/midrange; ¾-in titanium-dome liquid-cooled tweeter with Tetra-Helix mounting plate. Power range 10-100 W; imp 4 ohms; FR 48-40,000 Hz - 3 dB; crossover points 450, 3,800 Hz; sens 89 dB with 2.83 V rms input at 1 meter on axis. Solid walnut or oak top and bottom with black-vinyl-veneer cabinet and black grille cloth. 12¼ x 22½ x 11¼ in; 30.5 lb ..... \$550/pr

## TSW 210-A 2-Way Speaker

Bookshelf acoustic-suspension speaker with Tetra-Helix tweeter-mounting plate. Features 8-in woofer; ¾-in titanium-dome liquid-cooled tweeter with acoustic lens. Power range 10-100 W; imp 8 ohms; FR 54-40,000 Hz - 3 dB; sens 87 dB with 2.83 V rms input at 1 meter on axis. Solid walnut or oak top and bottom with black vinyl-veneer cabinet and black grille cloth. 9¼ x 17¾ x 8¾ in; 15.3 lb ..... \$380/pr

## TSW 110-A 2-Way Speaker

Bookshelf acoustic-suspension speaker with Tetra-Helix tweeter-mounting plate. Features 6½-in woofer; ¾-in titanium-dome liquid-cooled tweeter with acoustic lens. Power range 10-75 W; imp 8 ohms; FR 68-40,000 Hz - 3 dB; sens 88 dB with 2.83 V rms input at 1 meter on axis. Solid walnut or oak top and bottom with black-vinyl-veneer cabinet and black grille cloth. 9¼ x 15 x 8¾ in; 14 lb ..... \$280/pr

## Spirit Series

### Model 162 3-Way Speaker

Acoustic-suspension design with coupled carbon-loaded polypropylene woofer and 1-in treated-cloth dome liquid-cooled tweeter. OFC internal wiring; gold-plated 5-way binding posts; high-speed film caps in HF networks; biwire and biamp capabilities; frameless grille; walnut or black-ash woodgrain vinyl finish. Power handling 10-175 W; frequency response 45-22,000 Hz - 3 dB; sens 91 dB; imp 4 ohms. 9¾ x 36¾ x 13¾ in; 43.3 lb ..... \$1,200/pr

### Model 152 2-Way Speaker

Acoustic-suspension speaker for close-to-wall mounting. Features 8-in polypropylene-cone woofer and 1-in cloth-dome tweeter; dual-density baffle; OFC internal wiring; gold-plated 5-way binding posts; high-speed film caps in HF networks; biwire capability; walnut-veneer finish. Power handling up to 125 W; FR 55-22,000 Hz ± 3 dB. 9 x 17½ x 11 in; 19.5 lb .... \$950/pr

### Model 142 3-Way Speaker

Acoustic-suspension design with carbon-loaded polypropylene woofer and liquid-cooled tweeter; direct-coupled woofer and midbass; OFC internal wiring; gold-plated 5-way binding posts; high-speed film caps in HF networks; biwire and biamp capabilities; frameless grille. Walnut or black-ash woodgrain vinyl finish. Power handling 10-100 W; FR 52-25,000 Hz - 3 dB; sens 90 dB; imp 4 ohms. 9¾ x 25¾ x 11 in; 23.3 lb ..... \$800/pr

### Model 132 2-Way Speaker

Acoustic-suspension design with carbon-loaded polypropylene woofer and 1-in treated-cloth dome liquid-cooled tweeter; direct-coupled woofer; OFC internal wiring; gold-plated 5-way binding posts; high-speed film caps in HF networks; frameless grille. Walnut or black-ash woodgrain vinyl finish. Power handling 10-100 W; FR 55-22,000 Hz - 3 dB; sens 90 dB; imp 8 ohms. 9¾ x 17½ x 10 in; 16 ..... \$500/pr

### Model 122 2-Way Speaker

Acoustic-suspension design with carbon-loaded polypropylene woofer and liquid-cooled

tweeter; direct-coupled woofer; OFC internal wiring; gold-plated 5-way binding posts; high-speed film caps in HF networks; frameless grille. Walnut or black-ash woodgrain vinyl finish. Power handling 10-80 W; FR 62-25,000 Hz - 3 dB; sens 90 dB; imp 8 ohms. 7½ x 15¾ x 8¾ in; 11.25 lb ..... \$350/pr

### Model 112 2-Way Speaker

Acoustic-suspension design with treated paper woofer and liquid-cooled tweeter; direct-coupled woofer; OFC internal wiring; gold-plated 5-way binding posts; high-speed film caps in HF networks; frameless grille. Walnut or black-ash woodgrain vinyl finish. Power handling 10-60 W; FR 65-25,000 Hz - 3 dB; sens 90 dB; imp 8 ohms. 7½ x 14 x 7¾ in; 9.25 lb ..... \$300/pr

## Partners Series

### AR Powered Partners 850 2-Way Speaker

Powered bookshelf acoustic-suspension speaker. Features 8-in polypropylene woofer and 1¼-in liquid-cooled cone tweeter. AC/DC inputs; power on/off; LED power-on indicator; concentric rotary volume control; 3.5-mm stereo receptacle for audio input; two-pin DIN plug for audio output to passive speaker. Black-vinyl-veneer finish, black cloth grille. 17 lb .. \$475/pr

### AR Powered Partners 570 2-Way Speaker

Self-contained powered speaker system with shielded drive units and versatile mounting system. Features 5-in long-throw woofer and 1-in liquid-cooled tweeter. Power on/off; LED power-on indicator; rotary volume, bass and treble control; crossover at 5,000 Hz. Frequency response 40-25,000 Hz; amp power 35 W \$475/pr

### Rock Partner 2-Way Speaker

Acoustic-suspension floor-standing or bookshelf speaker with 8-in long-throw woofer and 1¼-in liquid-cooled cone tweeter. Triangular shape with versatile mounting options. FR 65-22,000 Hz ± 3 dB; max power 100 W rms; sens 88 dB SPL/W/m; crossover point 4,000 Hz; imp 8 ohms. Black-vinyl-veneer ..... \$300/pr

### Powered Partners 420 2-Way Speaker

Self-contained powered speaker system with magnetic shielding; versatile mounting system. Features 4-in long-throw woofer and liquid-cooled 2-in tweeter; AC/DC power supply. Amp power 24 W; FR 60-20,000 Hz; crossover point 5,000 Hz. 5 lb ..... \$275/pr

### Patio Partners 2-Way Speaker

Features a 4-in polypropylene woofer and 1-in liquid-cooled polymer tweeter. Plastic case; cloth grille available in assorted colors. Power handling 7-75 W; FR 90-25,000 Hz - 3 dB, sens 91 dB SPL 2.83 V/W/m; crossover point 4,000 Hz; imp 4 ohms. 4 lb ..... \$220/pr

## ADC

### SoundImage 5502/5504 3-Way Speaker

8-in woofer; 8-in passive radiator; 4-in midrange; two ½-in tweeters. Power handling 200 W; FR 44-20,000 Hz ± 3 dB; sens 90 dB; imp 6 ohms; crossover points 500 and 4,000 Hz. Black or walnut. 29¾ x 14 x 11¼ in ..... \$700

### SoundImage 5202/5204 3-Way Speaker

6½-in woofer; 6½-in passive radiator; 3¼-in ferrofluid cooled midrange; two ½-in tweeters. Power handling 150 W; FR 49-20,000 Hz ± 3 dB; sens 90 dB; imp 6 ohms; crossover points 1,800 and 4,500 Hz. Black or walnut finish. 28 x 11¼ x 7¾ in; 25 lb ..... \$500

### Soundshaper 3025 Subwoofer/Satellite System

2-way model 3010 bookshelf-size speaker and

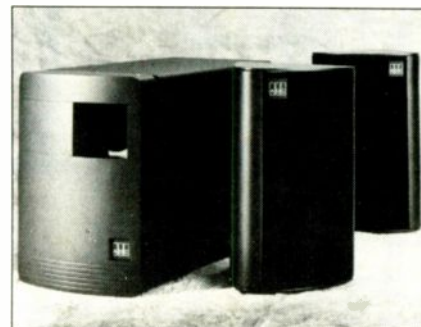
Model 3015 subwoofer. Model 3010 features 4-in woofer and ½-in dome tweeter, ferrofluid-cooled tweeter; wall-mounted bracket. FR 85-24,000 Hz ± 3 dB; sens 88 dB ± 1 dB SPL/W/m; imp 6 ohms; power handling 50 W rms, 150 W max; crossover point 5,000 Hz. Model 3015 subwoofer features 8-inch woofer. FR 41-165 Hz ± 3 dB; sens 88 dB ± 1 dB SPL/W/m; imp 4 ohms ± 10%; power handling 50 W rms, 150 W max; crossover point 110 Hz. Satellites 11 x 7 x 5¾ in, 5.5 lb; subwoofer 7½ x 11 x 17 in, 15.5 lb ..... \$500  
**Soundshaper 3010.** Satellite pair from above ..... \$5270  
**Soundshaper 3015.** Subwoofer from Model 3025 system ..... \$230

### SoundImage 5002/5004 3-Way Speaker

Vented bookshelf speaker with 6½-in woofer; 3-in ferro-fluid cooled midrange; two ½-in tweeters. Power handling 100 W; FR 65-20,000 Hz ± 3 dB; sens 89 dB; imp 6 ohms; crossover points 1,800 and 4,500 Hz. Black or walnut finish. 11¼ x 15 x 7¾ in; 13 lb ..... \$400

### SoundImage 3160/3166 Subwoofer/Satellite

Satellite pair with 3¼-in woofers, 4-in passive radiators, ferrofluid cooled ½-in tweeters, 8-in subwoofer with dual voice coil, vented design. Wedge-shaped satellites are shielded and designed for imaging within 90 degrees. Power handling 100 W; frequency response 45-18,000 ± 3 dB; imp 6 ohms; crossover points 200 and 500 Hz. Subwoofer in black finish; satellites in black or white finish. Subwoofer: 8½ x 11 x 17 in; satellites 7½ in high. 30 lb ..... \$400



ADC Soundshaper 3025

a/d/s/

## Monitor Series

### M15/90 3-Way Speaker

Vertically aligned drivers (two 10-in woofers and 5-in midrange in separate subenclosure, 1-in dome tweeter); woofers near floor, midrange at top, to control boundary effects. Features copolymer diaphragms; 4th-order (24 dB per octave) Linkwitz-Riley crossovers at 200 and 2,000 Hz; stainless-steel voice-coil former; magnetic cooling fluid in midrange and tweeter; biwire compatible. Frameless perforated-steel grilles; walnut-veneer or black finish. Power handling 300 watts continuous; frequency response 26-22,000 Hz ± 3 dB; sensitivity 87 dB sound-pressure-level/watts/meter; impedance 4 ohms. 11½ x 47¼ x 15¼ in; 110 lb ea ..... \$2,600/pr

**M12/90.** Similar to M15/90 except 8-in woofers. Power handling 250 watts continuous; frequency response 34-22,000 Hz ± 3 dB; sensitivity 87 dB SPL/W/m; 10½ x 43¼ x 14¼ in; 83 lb ea ..... \$1,800/pr

**M9/90.** Similar to M12/90 except 1½-in midrange and one 8-in woofer; crossover points 700 Hz and 6,000 Hz. Power handling 150 W cont; FR 38-22,000 Hz ± 3 dB. 11½ x 37¼ x 13 in; 40 lb ea ..... \$1,000/pr

# SPEAKERS

## SAT Series

### SAT7 3-Way Speaker

7-in woofer, 1/2-in copolymer dome midrange, and 1-in polypropylene dome tweeter; 4th-order Linkwitz-Riley crossover network; acoustically isolated floating-baffle design. Can be integrated with a/d/s/ SUB10 or SUB12 subwoofer. Power handling 150 watts continuous; frequency response 40-20,000 Hz; crossover points 700, 4,000 Hz, 24 dB/octave; imp 4 ohms. Walnut-veneer and black finish. 8 3/4 x 17 1/4 x 10 1/4 in. \$1,400/pr

### SAT6 2-Way Speaker

Features cabinet designed by Frogdesign; 6-in woofer and 1-in polypropylene-dome tweeter; 4th-order Linkwitz-Riley crossover network; acoustically isolated floating-baffle design. Can be integrated with a/d/s/ SUB10 or SUB12 subwoofer. Power handling 100 W cont; FR 50-20,000 Hz; crossover point 2,000 Hz, 24 dB/octave; imp 4 ohms. Walnut-veneer and black finish. 7 3/4 x 13 x 9 in. \$800/pr

### SAT5 2-Way Speaker

Features cabinet designed by Frogdesign; 5-in woofer and 1-in polypropylene-dome tweeter; 4th-order Linkwitz-Riley crossover network; acoustically isolated floating-baffle design. Can be integrated with a/d/s/ SUB10 or SUB12 subwoofer. Power handling 75 W cont; FR 60-20,000 Hz; crossover point 2,000 Hz, 24 dB/octave; imp 4 ohms. Walnut-veneer and black finish. 8 3/4 x 17 1/4 x 10 1/4 in. \$650/pr

## Compact Monitor Series

### L9e 3-Way Bookshelf Speaker

Vertically aligned drivers (8 1/2-in Stiffite woofer, 1 1/2-in midrange, and 1-in copolymer soft-dome tweeter); woofer driven by wet wound, two-layer, oxygen-free copper voice coil wound on stainless-steel former; tweeter driven by oxygen-free copper voice coil wound on Kapton former. Linkwitz-Riley crossover at 2,000 Hz. Glass fiber damping, acoustic-suspension enclosure with diffraction-corrected front baffle and flush driver mounting; black fabric grille; walnut-veneer or matte-black laminate finish. Power handling 125 W cont; FR 38-22,000 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; imp 4 ohms; 11 3/4 x 21 3/4 x 10 1/4 in; 40 lb ea. \$800/pr

**L8e.** Similar to above, lacks midrange driver. Walnut or matte-black laminate finish. Power handling 125 W cont; FR 44-22,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; imp 4 ohms; 11 3/4 x 19 3/4 x 10 1/4 in; 25 lb ea. \$550/pr

**L7e.** Similar to above except 7 3/4-in woofer. Matte-black finish. Power handling 100 W cont; FR 46-22,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; imp 4 ohms; 10 x 17 1/4 x 9 1/4 in; 19 lb ea. \$400/pr

## Miniature Speakers

### L400e 2-Way Speaker

Acoustic-suspension design with 7-in long-exursion Stiffite woofer, 1-in copolymer tweeter. Features aluminum enclosure (black textured urethane with convex-steel grille); wall mountable. Power handling 100 W cont; FR 60-20,000 Hz  $\pm$  3 dB; crossover 2,000 Hz with 12 dB/octave slope; sens 88 dB SPL/W/m; imp 4 ohms. Black or white finish. 7 3/4 x 11 3/4 x 7 3/4 in. \$650/pr

### L300e 2-Way Speaker

Acoustic-suspension design with 5 1/4-in long-exursion Stiffite woofer, 1-in copolymer tweeter. Features aluminum enclosure (black textured urethane with convex-steel grille); wall mountable. Power handling 75 W cont; FR 60-20,000 Hz  $\pm$  3 dB; crossover 2,000 Hz with

12 dB/octave slope; sens 88 dB SPL/W/m; imp 4 ohms. Black or white. 6 x 8 3/4 x 6 in. \$510/pr

### L200e 2-Way Speaker

Acoustic-suspension design with 4-in long-exursion woofer, 1-in copolymer tweeter; brushed-aluminum enclosure (textured urethane with convex-steel grille); wall mountable. Power handling 50 W cont; FR 85-20,000 Hz  $\pm$  3 dB; crossover 2,000 Hz with 12 dB/octave slope; sens 86 dB SPL/W/m; imp 4 ohms. 4 1/2 x 6 3/4 x 8 3/4 in. \$400/pr

## Subwoofer Systems

### SUB12 Powered Subwoofer

12-in woofer in bandpass enclosure. Features 350-W amplifier with auto/manual turn-on; balanced-bridge driver-control system; 4th-order Linkwitz-Riley active crossover network; selectable crossover points adjust low and high-pass simultaneously. Compatible with SAT speaker series. Subwoofer level adjustable from -12 to +6 dB; crossover points 63, 80, 95 Hz low pass and high pass. Walnut veneer and black finish. 19 x 17 1/4 x 19 in. \$1,500 ea

### SUB10 Power Subwoofer

10-in woofer in bandpass enclosure. Features 150-W amplifier with auto/manual turn-on; balanced-bridge driver-control system; 4th-order Linkwitz-Riley active crossover network; selectable crossover points adjust low and high-pass simultaneously. Compatible with SAT speaker series. Subwoofer level adjustable from -12 to +6 dB; crossover points 63, 80, 95 Hz low pass and high pass. Walnut-veneer and black finish. 19 x 21 3/4 x 19 in. \$900 ea

### SW5 Powered Subwoofer

12-in subwoofer with active crossover network and dedicated 350-W amplifier. Linkwitz-Riley crossover with adjustable crossover points; level control. \$1,000 ea

### SW4 Subwoofer

10-in subwoofer in bandpass enclosure \$600 ea

**SW2 Subwoofer.** Similar to above; designed to fit between floor or ceiling. \$400 ea

## In-Wall Speaker

### 750iL 3-Way In-Wall Speaker

In-wall speaker with infinite-baffle design. Features 7-in long-exursion copolymer woofer, 1 1/2-in dome midrange, and 1-in copolymer-dome tweeter. 4th-order Linkwitz-Riley 3-way crossover network; biwired capability with dual isolated grounds; dual remote mount; magnetically isolated high- and low-pass-network enclosures; zero-diffraction isolated flush baffle design; cast-aluminum mounting system. Power handling 60 W cont; FR 45-20,000 Hz; crossover points 1,000, 4,000 Hz, 24 dB/octave; imp 4 ohms. Walnut or black finish. 9 3/4 x 17 1/4 x 7 1/2 in. \$1,200/pr

### Model 400i/s 2-Way In-Wall Speaker

Features 6-in copolymer woofer and 1-in copolymer-dome tweeter in minimum-diffraction-baffle enclosure. Power handling 100 W cont; FR 42-20,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; crossover frequency 2,000 Hz; imp 4 ohms. 7 3/4 x 10 3/4 x 4 1/4 in; 5 lb ea. \$520/pr

### Model 300i/s 2-Way In-Wall Speaker

Features 5 1/4-in copolymer woofer and 1-in copolymer-dome tweeter in minimum diffraction-baffle enclosure. Power handling 100 W cont; frequency response 50-20,000 Hz  $\pm$  3 dB; sensitivity 92 dB SPL/W/m; crossover frequency 2,500 Hz; impedance 4 ohms. 8 3/4 x 10 3/4 x 5 in; 1 1/4 lb ea. \$380/pr

## ADVANCED ELECTRO-DYNAMIC SYSTEMS

### Cybele ELS-73 2-Way Speaker

Infinite-baffle speaker with 12-in woofer; two 6-in tweeters. Min power handling 40 W; FR 30-20,000 Hz; s/n 87 dB SPL/W/m; crossover point 1,500 Hz; imp 8/7 ohms nom/min. Cloth finish and knit grille. 15 x 44 x 10 in; 50 lb. \$2,195/pr

## ADVANCED SOUND

All cabinets are hand-built using 3/4-in industrial-grade particleboard veneered on both sides, and internal bracing. 3-year limited warranty. Certain models are available in kit or assembled form.

### Megolith 3-Way Speaker

Floor-standing, tuned-port speaker. Features 3-in ferrofluid-cooled polycarbonate dome tweeter; two 8-in ferrofluid-cooled polycarbonate-treated cone midranges in isolation chambers; two 10-in long-throw woofers in separate chambers. FR 32-22,000 Hz; sens 91 dB SPL/W/m; crossover at 900 and 3,000 Hz; imp 4/6 ohms. Oak, or walnut veneer 1 1/4-in top and 1 1/4-in black base, wrapped in black or brown cloth. 17 x 50 x 23 in, 250 lb. \$2,700/pr

### Bi-Polar 3-Way Speaker

Floor-standing dipole, omnidirectional speaker. Features biamp capability; 3-in ferrofluid-cooled polycarbonate dome tweeter; 4 1/2-in ferrofluid-cooled polycarbonate-treated cone midrange; two 8-in midbass driver; 12-dB crossover network. FR 100-22,000 Hz  $\pm$  3 dB; sens 94 dB SPL/W/m; crossover points at 1,000 and 6,000 Hz; imp 6/4 ohms. Oak, or walnut-veneer sides, pedestal and base. Black formica slate top. Recessed grill with black or brown grille cloth on front and rear of cabinet \$2,500/pr

### Bi-Polar Powered Subwoofer

Floor-standing, vented speakers with two 10-in long-throw woofers in separate tuned-port chambers; 100 W/ch built-in amplifier with level controls for each channel. FR 30-100 Hz  $\pm$  3 dB; sens 94 dB SPL/W/m; crossover point at 100 Hz; imp 3/4 ohms. Oak or walnut-veneer sides, pedestal and base. Black formica slate top. Recessed grille with black or brown grille cloth on front of cabinet only. \$2,200/pr

### Ziggurat 3-Way Speaker

Floor-standing pedestal, tuned-port, sloping front-baffle speaker. Features 3-in ferrofluid-cooled dome tweeter; 4 1/2-in ferrofluid-cooled polypropylene-treated cone midranges in isolation chambers; 10-in long-throw woofer. FR 32-20,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; crossover points at 900 and 6,000 Hz; imp 6/8 ohms. Oak or walnut-veneer sides, pedestal, and base. Black formica slate top. Removable grille with black or brown cloth. 18 x 41 x 16 in, 150 lb ea. \$1,900/pr

**Available in kit form \$1,300/pr**

**Campanile.** As above with mirror image and two 8-in long-throw woofers. FR 38-20,000 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; imp 6/4 ohms. Oak or walnut-veneer 1 1/4-in top and 1 1/4-in black base, wrapped in black or brown cloth. 13 x 36 x 13 in, 80 lb ea. \$1,500/pr

**Available in kit form \$1,050/pr**

### Monolith Powered Subwoofer

Floor-standing, tuned-port, mono subwoofer with 10-in long-throw woofer; built-in 100 W amplifier, with level controls. Frequency response 27-100 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; crossover point at 100 Hz. Oak, or walnut-veneer 1 1/4-in top and 1 1/4-in black base, wrapped in black or brown cloth. Designed to

# SPEAKERS

complement Campanile. 20 x 22 x 20 in, 70 lb ea. \$1,300/pr  
 Kit form ..... \$950/pr  
 Active crossover ..... \$250  
 Black formica slate top banded in oak or walnut veneer ..... \$1,400  
**Monolith Mono Subwoofer.** As above, no amplifier. FR 32-150 Hz; sens 91 dB SPL/W/m; crossover point 150 Hz; imp 6/8 ohms ..... \$900/pr  
 Kit form ..... \$550/pr

## Cornerstone 12P Powered Subwoofer

Floor-standing, tuned-port speaker features two 12-in long-throw woofers in tuned-port enclosure; built-in 50 W/ch amplifier, with level control for each channel; dual stereo inputs. FR 38-150 Hz  $\pm 3$  dB; sens 91 dB SPL/W/m; crossover at 150 Hz; imp 6/8 ohms. Oak, or walnut-veneered 1/4-in top and 1/4-in black base, wrapped in black or brown cloth. Designed to complement Cornerstone Satellites. 20 x 22 x 20 in; 80 lb ..... \$750 ea  
 Active crossover ..... \$250  
 Black formica slate top banded in oak or walnut veneer ..... \$100  
**Cornerstone 8P.** As above, with 8-in long-throw woofers. FR 45-150 Hz  $\pm 3$  dB. .... \$675 ea  
**Cornerstone 8 Stereo Subwoofer.** As above, with no amplifier. .... \$475 ea

## Cornerstone 2-Way Bookshelf Speaker

3 drivers in vented enclosure; 3-in ferrofluid-cooled polycarbonate-dome tweeter; two 4 1/2-in ferrofluid-cooled polypropylene treated-cone full-range drivers. FR 120-20,000 Hz  $\pm 3$  dB; sens 94 dB SPL/W/m; crossover point 6,000 Hz; imp 4/6 ohms. Oak or walnut-veneered 1-in top and 1-in base, wrapped in black or brown cloth. 8 x 18 x 12 in; 23 lb ea ..... \$425/pr

## ADVENT

### Advent Heritage 2-Way Speaker

Floor-standing speaker with 1-in parabolic-dome tweeter and two 8-in high excursion woofers. Features aluminum-coil form woofer and ferrofluid-filled tweeter; midrange frequencies directed to center-positioned woofer. Power handling 150 W rms; FR 42-23,000 Hz  $\pm 3$  dB; sens 89.5 dB/2.83 volts/m; imp 6 ohms; crossover point 3,500 Hz; THD < 0.5% above 75 Hz at 1 W; resonance 55 Hz  $\pm 5$  Hz. Oiled pecan finish. 10 1/2 x 37 1/4 x 13 in; 46 lbs ea. .... \$700/pr

### Advent Maestro 3-Way Speaker

Acoustic-suspension floor-standing speaker with 10-in black cone and surround woofer, 2-in mica-filled black polypropylene-dome midrange in subenclosure, and 1-in ferrofluid-filled soft-dome tweeter. Features solid-pecan top and base with beveled edges; antidiffraction baffle cover; grille with rounded edges. Power handling 150-750 W rms; FR 40-23,000 Hz  $\pm 2.5$  dB; sens 90 dB SPL/W/m; imp 6 ohms. 16 x 33 1/4 x 9 1/4 in; 50 lb ..... \$700/pr

### Advent Legacy II 2-Way Speaker

Floor-standing speaker with 1-in parabolic-dome tweeter and 10-in woofer. Features ferrofluid-filled tweeter and aluminum-coil woofer. Power handling 100 W rms; FR 38-23,000 Hz  $\pm 3$  dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover point 2,000 Hz; THD < 1% above 100 Hz at 10 W; resonance 51 Hz  $\pm 3$  Hz. Oiled pecan top and base; black-textured vinyl over fiberboard. 16 x 28 1/4 x 9 1/4 in; 46.5 lbs ea ..... \$460/pr

### Mini-Advent Subwoofer/Satellite System

Compact system featuring 2 Mini-Advents (below) and bass-module with two 5 1/4-in woofers. Power handling 55 W rms, 165 W peak; FR 60-21,000 Hz  $\pm 3$  dB; imp 6 ohms ..... \$389/sy  
 Subwoofer only ..... \$189

### Advent Prodigy Tower 2-Way Speaker

Floor-standing speaker with 8-in woofer and 1/4-in polyimide ferrofluid-filled tweeter. Min power 75 W rms. Oiled pecan top and base. 28 1/2 x 10 x 8 1/4 in; 25.25 lb ..... \$360/pr

### Advent Prodigy II 2-Way Bookshelf Speaker

Bookshelf or floor-standing speaker with 8-in woofer and 1/4-in polyimide ferrofluid-cooled soft-dome tweeter. Features solid pecan endcaps. Power handling 75 W rms; FR 45-23,000 Hz  $\pm 3$  dB ..... \$360/pr

### Advent Baby II 2-Way Bookshelf Speaker

Bookshelf speaker with 6 1/2-in woofer and 1/2-in polycarbonate ferrofluid-filled hard-dome tweeter. Min power 50 W rms; FR 60-21,000 Hz  $\pm 3$  dB; imp 6 ohms. Cabinet with oiled solid-wood top and black textured-vinyl over fiberboard. 11 x 16 1/2 x 6 1/4 in; 13 lb ..... \$250/pr

### Mini-Advent 2-Way Speaker

Compact speaker with 5 1/4-in woofer and 1/2-in polycarbonate ferrofluid-cooled tweeter. Min power 40 W rms; frequency response 110-21,000 Hz  $\pm 3$  dB; imp 6 ohms. Oiled pecan top with black polystyrene cabinet. 6 1/2 x 11 x 5 1/4 in; 10 lb ..... \$200/pr

### Indoor/Outdoor Mini-Advent 2-Way Speaker

Compact weather-resistant speaker with 5 1/4-in woofer and 1/2-in polycarbonate ferrofluid-cooled tweeter. Compatible with Mini-Advent brackets and subwoofer. Power handling 40 W rms; FR 110-21,000 Hz  $\pm 3$  dB. Black molded cabinet ..... \$200/pr

**Mini-Advent Bracket.** Water-resistant stand for above ..... \$60/pr

## AES

*All AES speakers are water-resistant products designed for in-wall installation; pre-installed mounting brackets are not required.*

### AES-4 Subwoofer

6 x 9-in polypropylene woofer with dual voice coil. FR 28-90 Hz; power handling 10-60 W; imp 8 ohms. 8 x 11 1/4 x 3 3/4 in ..... \$590/pr

### AES-3 Subwoofer

6 x 9-in polypropylene woofer. FR 28-90 Hz; power handling 10-100 W; imp 8 ohms. 8 x 11 1/4 x 3 3/4 in ..... \$460/pr

### AES-2 2-Way Speaker

6 1/2-in polypropylene woofer and 1-in ferrofluid-cooled tweeter. Includes auto-reset speaker protection. FR 40-20,000 Hz; power handling 10-80 W; imp 8 ohms. 8 x 11 1/4 x 3 3/4 in ..... \$360/pr

### AES-1 2-Way Speaker

6 1/2-in polypropylene woofer and 2 1/4-in tweeter. Includes auto-reset speaker protection. FR 55-20,000 Hz; power handling 10-60 W; imp 8 ohms. 8 x 11 1/4 x 3 3/4 in ..... \$250/pr

### AES-5 2-Way Speaker

6 1/2-in polypropylene woofer and 2 1/4-in tweeter. Includes auto-reset speaker protection. FR 65-20,000 Hz; power handling 10-30 W; imp 8 ohms. 8 x 11 1/4 x 3 3/4 in ..... \$200

## AIWA

### SC-B10 Powered Bookshelf Speaker

Bass-reflex-design speaker. BBE high-EQ control system; volume control; flexible angle mounting; magnetic shielding; RCA jacks; 20-m cord. 15-W output; 5 x 8 x 7 in; 5 lb ..... \$250 ea

### ET-700 Bookshelf Speaker

Features 3 1/2-in driver flanked by two 3 1/4-in

drivers. Volume control; magnetic shielding; 6-ft connection cord, RCA-to-mini-stereo plug; flexible angle mounting; auto power off. Output 10 W; 5 x 12 x 7 1/2 in; 10 lb ..... \$150 ea

### SC-A70 Powered Speaker

Bass-reflex speaker with 3-in full-range driver. Features auto power on/off switching. Separate bass and treble controls; variable loudness control; LED power indicator; volume control. Includes AC adaptor and 59-in Y-type for portable stereos accepting mini-plug. Power handling 3 W; FR 150-20,000 Hz; sens 86 dB SPL/W/m. 7 x 4 1/4 x 4 1/4 in; 19.2 oz ..... \$120/pr

### SC-A50 Powered Speaker

3-in full-range speaker. Features auto power on/off switch. Separate bass and treble controls; variable loudness control; volume control; LED power indicator; direct-in terminal. Power handling 2.5 W into 4 ohms at 1,000 Hz with 10% THD; frequency response 150-18,000 Hz; sens 86 dB SPL/W/m. Optional AC adaptor. 4 x 6 1/4 x 4 in ..... \$90/pr

### SC-A40 Powered Speaker

2-in full-range speaker. Features auto power on/off switch. Slim design; LED power indicator. Power handling 400 mW into 8 ohms at 1,000 Hz with 10% THD; FR 400-20,000 Hz; sens 83 dB SPL/W/m. 2 1/4 x 4 x 1 1/2 in; 4 oz ..... \$50/pr

### SC-A30 Powered Speaker

2-in full-range speaker. Features slide-in mount; LED power indicator; slim design. FR 400-20,000 Hz; power handling 400 mW; sens 83 dB SPL/W/m. Includes 39-in mini-cord plug. Runs on AA batteries. 3 x 4 x 1 1/2 in; 4 oz ..... \$45/pr

## ALLISON ACOUSTICS

### IC-20 Image-Control Speaker

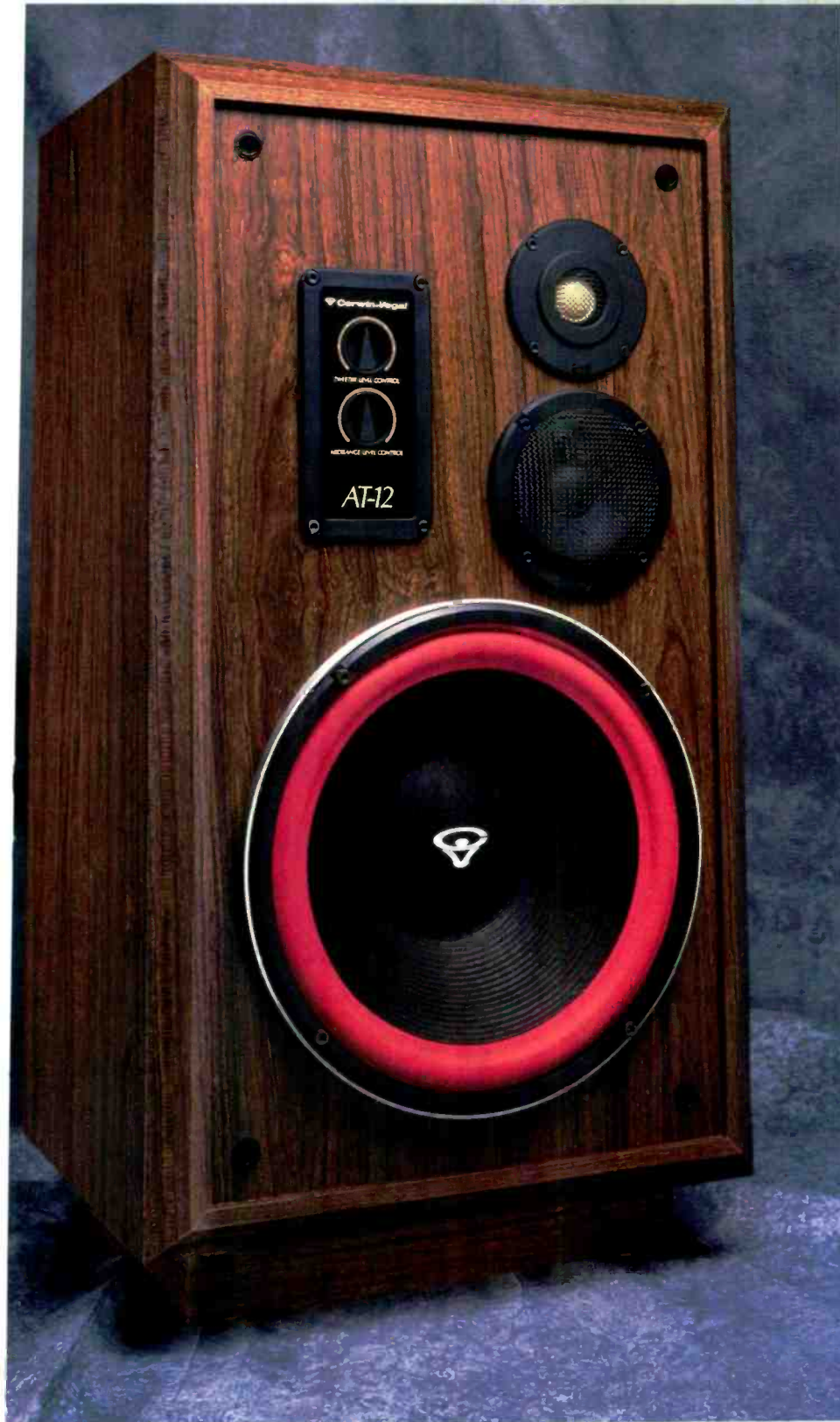
Triangular acoustic-suspension tower speaker with two 10-in woofers, four 3 1/2-in convex midranges, four 1-in convex tweeters. Features adjustable relative output of mids and tweeters; 3 channel settings; bidirectional woofer setting; separate biamping inputs for woofers, mids, tweeters; auto-resetting resistors in each crossover; cabinet panels 1/4-in to 1/2-in thick, braced front-to-back and between panels; interior damped with glass fiber. Crossover points 350 and 3,750 Hz; FR -3 dB at 28.5 Hz, -8 dB at 21 Hz; imp 6 ohms nominal, 8 average, 5 min; power handling 30-400 W/ch; sens 87 dB SPL/2.83 V/m. Oak, walnut, or black finishes. 21 x 48 x 12 in; 100 lb ..... \$5,200/pr

### IC-10 Image-Control Speaker

Triangular acoustic-suspension tower speaker with two 8-in woofers, two 3 1/2-in convex midranges, four 1-in convex tweeter. Features adjustable relative output of mids and tweeters; 3 channel settings; auto-resetting Power Shield device in crossover section; separate biamping inputs for woofers, mids, tweeters; auto-resetting resistors in each crossover; cabinet panels 1/4-in to 1/2-in thick, braced front-to-back and between panels; interior damped with glass fiber. 20-200 W/ch; crossover points 350 and 3,750 Hz; sens 87 dB SPL/W/ch; imp 6 ohms nominal. Lacquered walnut or black veneer. 19 x 40 x 11 in; 73 lb ..... \$2,200/pr

### IC-9 3-Way Speaker

Two 8-in woofers in push-pull arrangement, 3 1/2-in convex midrange, 1-in convex tweeter on angled baffle for image enhancement. Dual input for biamping or biwiring; crossover points 350, 3,750 Hz; auto-resetting Power Shield; switch for corner or wall placement. 6 ohms nominal. Power handling 20-200 W/ch; sens 90 dB SPL/2.83 V/m; FR -3dB at 32 Hz,



Can you think of any rock and roll song that actually sounds better at a low volume?

(Well, okay, maybe *Sugar, Sugar* by the Archies).

Simply, for most of us, great rock and roll is best when it's played loud. And clear.

Which is precisely where we come in. At Cerwin-Vega, we build loudspeakers so you, and your neighbors, can hear everything from booming bass to guitars gently weeping.



There are 6 models in our high-tech SE Series (above). Cerwin-Vega AT-Series loudspeakers (left) are available in 4 models.

In fact, our three series of loudspeakers (the AT, SE, and D-Series) can reproduce bass all the way down to a throbbing 30 Hertz. And all the way up to 28,000 Hertz.

What's more, every Cerwin-Vega speaker can run on as little as 5 watts. On the other hand, our 15" models can handle up to 400 watts of continuous power.

And reach a volume level of 127 very loud decibels.

Of course, in this magazine, every speaker sounds exactly the same. Silent.

So we suggest you take your favorite discs to your favorite store and ask to listen to Cerwin-Vega speakers.

Tell them you'd just like to hear the sound of a little live ammunition.



Cerwin-Vega D-Series loudspeakers are available in 5 models. From the 8" 1/2-way D-1 to the 15" 3-way D-9.

**Cerwin-Vega!**

For more information please write or call Cerwin-Vega:  
555 East Easy St., Simi Valley, CA 93065 805-584-9332  
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# SPEAKERS

— 8 dB at 23.5 Hz. Walnut or black veneer. 16 x 40 x 11 in. .... \$1,500/pr  
**IC-8.** As above, with 10-in woofers; frequency response — 3 dB at 34 — 8 dB at 25 Hz; 16 x 36 x 11 in. .... \$1,000/pr

## IC-7 2-Way Speaker

Floor-standing system with 8-in woofer, 1-in convex midrange; crossover at 2,000 Hz; Power-Shield speaker protection; angled baffle for image enhancement; switch for corner or wall placement; 6 ohms nominal, 4 min. Power han-

dling 15-150 W/ch; sens 90 dB SPL/2.83 V/m; frequency response — 3dB at 39 Hz, — 8 dB at 29 Hz. Lacquered walnut or black veneer. 11 x 27 x 11 in. .... \$700/pr  
**IC-6.** As above, only bookshelf system, angled sides for image enhancement and placement versatility. Frequency response — 3 dB at 46 Hz, — 8 dB at 34 Hz; sens 90 dB SPL/2.83 V/m. 12 x 12 x 11 in. .... \$500/pr  
**IC-5.** Miniature version of IC-6 with 4-in woofer. Power handling 15-75 W/ch. FR — 3 dB at 90 Hz, — 8 dB at 62 Hz. 7 x 7 x 8 in. .... \$300/pr

## AL Series

All AL Series speakers feature Allison's Power Shield speaker-protection circuitry, and carry a 5-yr warranty.

## AL-130 3-Way Speaker

Acoustic-suspension speaker with two 8-in push-pull woofers, 3/2-in midrange, 1-in convex tweeter. Power handling up to 200 W with clipping 10% of the time; sens 90 dB SPL/2.83 V/m; 6 ohms nominal, min 4 ohms; crossover points 450, 3,750 Hz; suggested amplifier power 15-200 W. Oak, walnut, black woodgrain vinyl. 12 1/2 x 37 1/8 x 14 1/8 in; 57 lb. ... \$1,100/pr  
**AL-125.** As above, with two 6-in push-pull woofers. 11 1/8 x 30 7/8 x 11 1/2 in, 40 lb ... \$900/pr

## AL-120 2-Way Speaker

Acoustic-suspension speaker with two 6-in woofers, 1-in convex tweeter. Power handling 200 watts clipping 10% of the time; sensitivity 90 dB SPL/2.83 V/m; 6 ohms nominal, minimum 4 ohms; crossover points 100, 2000 Hz; suggested amplifier power 15-200 watts per ch. Oak, walnut, black woodgrain vinyl. 11 1/8 x 23 7/8 x 11 1/2 in, 33.2 lb. .... \$600/pr  
**AL-115.** As above, with 8-in woofer, power handling 150 W; crossover point 2,000 Hz; suggested amplifier power 15-150 W/ch. 11 1/8 x 20 x 10 in; 22 lb. .... \$440/pr  
**AL-110.** Same as AL-115 with 6-in woofer. 9 1/2 x 15 7/8 x 9 in, 16 lb. .... \$340  
**AL-105.** As above, with 1-in copolymer-dome tweeter. Crossover point 2,500 Hz. 9 1/2 x 14 3/4 x 8 1/4 in, 13 lb. .... \$240  
**AL-100.** Same as AL-105 with simpler crossover and slightly smaller cabinet. Power handling 15-75 W/ch. 9 3/8 x 13 1/4 x 7 3/4. .... \$200/pr

## Compact Speakers

**MS-205 Woofer/Satellite System.** Three-piece system comprising Mini 1SW and two MS-200 speakers. Power handling 15-100 W/ch. ... \$500

## Mini 1SW Stereo Woofer

Compact 2-channel bass system for satellite speakers. Dual-voice coil 8-in woofers; 2 150-Hz crossover networks; 12 dB per octave; Power Shield woofer-protection circuit. FR — 3 dB at 55 and 150 Hz; power handling 10-100 W/ch; sens 90 dB SPL/2.83 V/m; 6 ohms nominal, 4 min. Black lacquer .... \$300

## MS-200 Miniature Speaker

2-way system with 4-in long-throw woofer, 1-in convex tweeter; crossover 2,500 Hz with Power-Shield speaker-protection circuit. 6 ohms nominal, 4 min; power handling 15-75 W/ch; FR — 3 dB at 95 Hz, — 8 dB at 70 Hz; sens 90 dB SPL/2.83 V/m. Black lacquer .... \$250/pr

## ALTEC LANSING

### Bias 550 5-Way Powered Speaker System

Six-speaker, floor-standing system with two 10-in carbon-fiber subwoofers, 8-in carbon-fiber woofer, 6-in carbon-fiber midrange, diamond-coated/polyimide 2-in upper midrange, and 1-in tweeter. Power: subwoofer 250 W into 4 ohms, woofer 125 W into 8 ohms, midrange 125 W into 8 ohms, upper midrange 125 W into 8 ohms, tweeter 75 W, into 8 ohms. 5-way Butterworth crossover; each driver is enclosed in separate acoustic-suspension chamber; active EQ with remote; swiveling mid and high frequency drivers. FR 20-22,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 80, 450, 150, 1,500, and 4,500 Hz. 19 x 71 x 24 in \$12,000/pr

### Model 512 4-Way Powered Speaker

Acoustic-suspension floor-standing speaker with two 10-in woven carbon-fiber woofers, 6 1/2

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PSB Stratus Gold



# SPEAKERS

midbass of the same material, polyimide/diamond coated 2-in midrange and 1-in tweeter. Features control panel on top of speaker for built-in triamplifier; automatic on/off switch. FR 20-22,000 Hz  $\pm$  3 dB. Power: 250 W into 4 ohms, 75 W into 8 ohms, 75 W into 8 ohms; sens 90 dB SPL/W/m; imp 8 ohms. 13 x 57 x 13½ in; 120 lb/ea ..... \$4,500/pr

## Model 511 4-Way Speaker

Acoustic-suspension design with two 10-in long-throw woven carbon-fiber woofers, 6½-in woven carbon-fiber midbass, 2-in polyimide/diamond-coated-dome midrange, and 1-in diamond-coated-dome tweeter with ferrofluid cooling. Features single/bi/tri/quad amplifier capability. FR 24-20,000 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; power handling 150 W cont, max 300 W. 13 x 57 x 13½ in; 110 lb ..... \$3,000/pr

## Model 510 3-Way Speaker

Acoustic-suspension design with two 10-in carbon-fiber woofers, 2-in midrange, 1-in dome tweeter, each with polyimide vacuum-deposited titanium. Features bi-amp capability and adjustable crossover. Power handling 150 W nom, 300 W max; sens 93 dB SPL/W/m; imp 4 ohms; 12 x 46 x 13½ in ..... \$1,600/pr

## Model 508 3-Way Speaker

Acoustic-suspension tower speaker with two 8-in woven carbon-fiber cones, 2-in midrange, 1-in tweeter, each with polyimide vacuum-deposited titanium. FR 40-20,000 Hz  $\pm$  3 dB; sens 90.5 dB SPL/W/m; power handling 125 W nom, 250 W max; imp 4 ohm; walnut-veneer cabinet 10½ x 40 x 11 in ..... \$1,100/pr

## Model 505 3-Way Speaker

Acoustic-suspension design with 10-in long-throw woofer with woven carbon-fiber cone, 3½-in midrange of same material, 1-in polyimide/titanium tweeter with ferrofluid cooling, frequency response 35-20,000 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; power handling 100 W nom, 200 W max. Walnut veneer or black finish. 12 x 34 x 13½ in ..... \$850/pr

## PSW-10 Subwoofer

10-in carbon-fiber woofer; powered by a 100 W amplifier. FR 26-150 Hz  $\pm$  3dB. Input imp line 8 ohms; 17½ x 17½ x 17½ in ..... \$850/pr

## Model 305 3-Way Speaker

Acoustic-suspension design with 10-in carbon-fiber woofer; 2-in midrange; 1-in tweeter. Power handling 125 W nom, 250 W max; sens 93 dB SPL/W/m; imp 8 ohms; 14½ x 27 x 12 in \$800/pr

## Model 205 3-Way Speaker

Acoustic-suspension design with 8-in carbon-fiber woofer, 2-in midrange and 1-in polyimide/titanium tweeter. Power handling 75 W nom, 150 W max; sens 91 dB SPL/W/m; imp 6 ohms 12 x 22 x 9 in ..... \$600/pr

## System 3 Subwoofer/Satellite System

Features two satellites, each with two 3-in carbon-filled polypropylene drivers and one ½-in dome tweeter with ferrofluid cooling. Subwoofer module has two 8-in long-throw carbon-filled polypropylene woofers. Power handling 80 W nom, 160 W max; FR 32-20,000 Hz  $\pm$  3 dB; sens 90 dB; imp 4 ohms; crossover points 180 Hz, 4,500 Hz. Satellites 4 x 8½ x 3¾ in; subwoofer 4 x 9¾ x 3¾ in ..... \$600/sys

## ITW 260 Subwoofer

6½-in long-throw woofers. Power handling 80 W nom, 160 W max; frequency response 32-250 Hz  $\pm$  3 dB; sensitivity 90 dB; impedance 4 ohms; crossover frequency 180 Hz, 18 dB/octave. 12¾ x 19¾ x 3½ in ..... \$400/ea

## Model 105 2-Way Bookshelf Speaker

2-way acoustic-suspension speaker with 6-in carbon-fiber woofer and 1-in polyimide/titanium tweeter. FR 50-20,000 Hz  $\pm$  3 dB; power handling 50 W nom, 100 W max; sens 91 dB SPL/W/m; imp 6 ohm; 9½ x 17 x 8½ in ..... \$375/pr

## ITW 265 2-Way In-Wall Speaker

6½-in and ¾-in polyester-dome tweeters. Power handling 40 W nom, 100 W max; FR 40 Hz-20,000 Hz  $\pm$  3 dB; sens 90 dB; imp 6 ohms; crossover frequency 3,500 Hz, 12 dB/octave; 8¾ x 11¾ x 3¾ in ..... \$300/pr

## Model 95 3-Way Bookshelf Speaker

Acoustic-suspension speaker with 8-in carbon-filled polypropylene woofer; 4-in midrange; ¾-in polyimide-dome tweeter. FR 35-22,000 Hz; power handling 75 W nom, 150 W max; sens 92 dB SPL/W/m; 12 x 22 x 9 in ..... \$300/pr

## Model 85 2-Way Bookshelf Speaker

Acoustic-suspension speaker with 6½-in carbon-filled polypropylene woofer; ¾-in polyimide-dome tweeter. FR 35-22,000 Hz; power handling 50 W nom, 100 W max; sens 92 dB SPL; 9½ x 17 x 8½ in ..... \$200/pr

## Model 55 2-Way Indoor/Outdoor Speaker

Compact indoor/outdoor speaker. 2-way acoustic suspension design with 4-in carbon-fiber woofer reinforced with epoxy, ¾-in polyimide-dome tweeter. FR 85-20,000 Hz  $\pm$  3 dB power handling 40 W nom, 80 W max; imp 4 ohm; 7 x 9¾ x 5½ in ..... \$250/pr

## ALTERNATIVE AUDIO SOLUTIONS

### Klearnote Tweeter

3¼-in domed add-on tweeter. Power handling max 75 W; FR 1,000-40,000 Hz; sens 91 dB SPL/W/m; imp >1,000 ohms at 1,000 Hz and >20 ohms at 40,000 Hz. Speaker wire included. Clear acrylic construction. Available through mail order only. 5 x 9 x 5 in ..... \$80

## AMBLE

### Liberty 3-Way Speaker

Floor-standing tower speaker with 12-in polypropylene woofer, 5¼-in midrange, 1-in soft-dome tweeter. Internally braced tuned-port cabinet with heavy-duty gold-plated input terminals. Hand-oiled oak-veneer finish. FR 37-20,000 Hz  $\pm$  3 dB; power range 20-200 W; sens 91 dB SPL/W/m; imp 8 ohms. 15 x 39 x 12 in; 60 lb ..... \$1,295/pr

### Viola 2-Way Speaker

Aperiodic-design bookshelf speaker with 6½-in woofer, 1-in soft-dome tweeter. Internally braced cabinet with heavy-duty gold-plated input terminals. Computer designed crossover system. Gloss-black lacquer or hand-oiled oak-veneer finish. FR 45-20,000 Hz  $\pm$  3 dB; power range 20-100 W; sens 88 dB SPL/W/m; imp 8 ohms. 10 x 14 x 12 in; 22 lb ..... \$650/pr

### Encore II 2-Way Speaker

Floor-standing speaker with 8-in polypropylene woofer, 1-in soft-dome tweeter. Tuned-port cabinet with 5-way binding-post terminals. Oak-veneer finish. FR 42-20,000 Hz  $\pm$  3 dB; power range 10-100 W; sens 89 dB SPL/W/m; imp 8 ohms. 10 x 25 x 12 in; 32 lb ..... \$495/pr

### Bravo 2-Way Speaker

Bookshelf speaker with 6½-in woofer, 1-in soft-dome tweeter. Tuned-port cabinet with 5-way binding post terminals. Oak-veneer finish. FR 53-18,000 Hz  $\pm$  3 dB; power range 10-75 W; sens 92 dB SPL/W/m; imp 8 ohms ..... \$375/pr

## SW-1200 Subwoofer

Acoustic-suspension subwoofer featuring 12-in paper-cone woofer. 5-way binding-post terminals. Oak-veneer finish. FR 39-100 Hz  $\pm$  3 dB; power range 20-150 W; sens 91 dB SPL/W/m; imp 6 ohms. 18 x 19 x 18 in; 54 lb ..... \$395 ea

## AMERICAN ACOUSTICS

### DS Series

#### DS 1212 3-Way Speaker

Bass-reflex speaker with two 12-in woofers, 6½-in ferrofluid-cooled midranges, 1-in soft-dome tweeter. Power handling 275 W rms; FR 23-22,000 Hz; sens 95 dB SPL/W/m; imp 4 ohms. 15½ x 44 x 17¾ in ..... \$1,000/pr

#### DS 1010 3-Way Speaker

Bass-reflex speaker with two 10-in woofers, 5-in ferrofluid-cooled midrange, and 1-in soft-dome tweeter. Power handling 200 W rms; FR 34-22,000 Hz; sens 94 dB SPL/W/m; imp 4 ohms. 14 x 37¼ x 14¾ in ..... \$750/pr

#### DS 88 2-Way Speaker

Bass-reflex speaker with two 8-in woofers and 1-in soft-dome tweeter. Power handling 125 W rms; FR 38-22,000 Hz; sens 93 dB SPL/W/m; imp 4 ohms. 12 x 26¼ x 12¾ in ..... \$500/pr

#### DS 66 2-Way Speaker

Bass-reflex speaker with two 6½-in woofers and 1-in soft dome tweeter. Power handling 85 W rms; FR 42-22,000 Hz; sens 93 dB SPL/W/m; imp 4 ohms. 10½ x 21½ x 10¾ in ..... \$300/pr

### D Series

#### D9550E 5-Way Speaker

Speaker with 12-in polymer woofer, two 5-in sealed-back ferrofluid-cooled midranges; 1-in soft-dome tweeter; 3-in cone tweeter. Power handling 205 W rms; frequency response 32-22,000 Hz; sens 99.5 dB W/m; imp 8 ohm; crossover point 600 Hz. Oak or black-ash finish. 15 x 40¾ x 14½ in ..... \$880/pr

#### D5550E 4-Way Speaker

Vented speaker with 15-in polymer-coated woofer, 5-in sealed-back ferrofluid-cooled midrange, 1-in soft-dome ferrofluid-cooled tweeter, 3-in dome ferrofluid cooled tweeter. Power handling 120 W rms; FR 43-22,000 Hz; sens 96.5 dB W/m; imp 4/8 ohm; crossover points 1,700, 6,000 Hz. 15½ x 27 x 10¼ in ..... \$520/pr

#### D4550E 3-Way Speaker

Vented speaker with 10-in polymer woofer, 5-in sealed-back ferrofluid-cooled midrange, 1-in soft-dome ferrofluid-cooled tweeter. Power handling 80 W rms; FR 45-22,000 Hz; sens 95.5 dB W/m; imp 4/8 ohm. 15 x 24 x 10 in. . \$420/pr

#### D3550E 2-Way Bookshelf Speaker

Vented speaker with 8-in polymer woofer, 1-in ferrofluid-cooled and damped soft-dome tweeter. Power handling 45 W rms; FR 60-22,000 Hz; sens 94.5 dB W/m; imp 4/8 ohm. 11¼ x 18½ x 8 in ..... \$280/pr

#### D2550E 2-Way Bookshelf Speaker

Vented bookshelf speaker with 6½-in polymer woofer, 1-in ferrofluid-cooled soft-dome tweeter. Power handling 40 W rms; FR 65-22,000 Hz; sens 91.5 dB W/m; imp 4/8 ohm. 9¾ x 12¼ x 7 in ..... \$230/pr

### AAL Series

AAL series speakers carry a 10-year warranty.

#### AAL 154 4-Way Speaker

Vented speaker with 15-in fiber-cone woofer, 4-

# SPEAKERS

in and 3-in ferrofluid-cooled midranges, and 3¼-in round horn-loaded quartz tweeter. Power handling 125 W rms; frequency response 40-20,000 Hz; sens 92 dB SPL/W/m; imp 4 ohms. 18½ x 29 x 15 in ..... \$500/pr

## AAL 124 4-Way Speaker

Vented speaker with 12-in fiber-cone woofer, 4-in and 3-in ferrofluid-cooled midranges, and 3¼-in round horn-loaded quartz tweeter. Power handling 100 W rms; FR 50-20,000 Hz; sensitivity 90 dB SPL/W/m; imp 4 ohms. 15½ x 27 x 10½ in ..... \$400/pr

## AAL 103 3-Way Speaker

Vented speaker with 10-in fiber-cone woofer, 4-in ferrofluid-cooled cone midrange, and 3¼-in round horn-loaded quartz tweeter. Power handling 75 W rms; FR 55-20,000 Hz; sens 91.5 dB SPL/W/m; imp 4 ohms. 15 x 24 x 10½ in \$360/pr

## AAL 83 3-Way Bookshelf Speaker

Vented bookshelf speaker with 8-in fiber-cone woofer, 3-in ferrofluid-cooled cone midrange, 3¼-in round horn-loaded tweeter. Power handling 50 W rms; FR 75-20,000 Hz; sensitivity 92 dB SPL/W/m; imp 4 ohms. 11¼ x 18½ x 8½ in ..... \$230/pr

## AAL 62 2-Way Bookshelf Speaker

Vented bookshelf speaker with 6½-in fiber-cone woofer and 3¼-in round horn-loaded tweeter. Power handling 38 W rms; FR 90-20,000 Hz; sensitivity 90 dB SPL/W/m; imp 4 ohms. 9½ x 12¾ x 7½ in ..... \$200/pr

## ANALOG ONE

### Modular Powered Subwoofer System

Features sixteen 12-in subwoofers with Class A amplifiers. Hybrid filters and Dynaudio drivers. Min power 200 W; FR 20-200 Hz; sens 102 dB SPL/W/m; imp 8 ohms. Custom finish ..... \$12,500/sys

### Reference Set 3-Way Powered Speaker System

Six 12-in woofers, three 3-in dome midranges, three 1-in dome tweeters. Features hybrid crossovers and discrete processing. Processor provides three discrete outputs and subwoofer output; 4 Class A amplifiers and processor included. Min power 50 W; FR 18-18,000 Hz; sens 92 dB SPL/W/m; crossover points 350 and 4,000 Hz; imp 8 ohms. Oak finish. 10-year warranty. 16 x 35 x 16 in; 220 lb .. \$11,500/sys

### Audio Mirrors Subwoofer/Satellite System

12-in woofer, three 4½-in cone midranges, three 1-in dome tweeters. Features hybrid crossovers and discrete processing. Processor provides three discrete outputs and subwoofer output; 4 Class A amplifiers and processor included. Min power 50 W; FR 30-16,000 Hz; sens 92 dB SPL/W/m; crossover points 80 and 2,000 Hz; imp 8 ohms. Oak finish and blue cotton silkscreen grille. Five-year warranty. 28 x 40 x 7 in; 70 lb ..... \$2,400/sys

### Super Sub Subwoofer

Features four 12-in aperiodically damped dipolar subwoofers. Hybrid filters and Dynaudio drivers. Min power 100 W; FR 20-200 Hz; sens 92 dB SPL/W/m; imp 8 ohms. Oak finish. 36 x 48 x 12 in; 160 lb ..... \$3,400/pr

## APOGEE

### Diva 3-Way Ribbon Speaker

Full-range ribbon speaker with adjustable crossover. Features trapezoidal ribbon woofer; separate midrange and tweeter ribbons. Anthracite, taupe or custom finishes. Power handling 200 watts continuous; frequency response

20-25,000 Hz; SPL 115 dB; impedance 4 ohms. 31 x 73 x 3 in; 150 lb ea ..... \$8,995/pr

### Duetta Signature 2-Way Ribbon Speaker

Midsize 2-way ribbon speaker. Utilizes trapezoidal woofer ribbon; combination midrange/tweeter ribbon; internal crossovers. Anthracite, taupe or custom finishes. Power handling 200 W cont; FR 30-20,000 Hz; SPL 100 dB; imp 4 ohms. 26 x 58 x 3 in; 115 lbs ea ..... \$3,995/pr

### Caliper Signature 2-Way Ribbon Speaker

Midsize 2-way ribbon speaker. Features trapezoidal woofer ribbon; narrow-canted combination midrange/tweeter ribbon; crossover circuitry. Anthracite, taupe or custom finishes. Power handling 150 W cont; FR 30-20,000 Hz; SPL 105 dB; imp 3 ohms. 24 x 48 x 2 in; 70 lb ea ..... \$2,995/pr

### Stage 2-Way Ribbon Speaker

2-way ribbon speaker. Features trapezoidal woofer ribbon; combination midrange/tweeter ribbon; internal crossover. Anthracite with basswood or mahogany trim, taupe with mahogany trim. Power handling 150 W cont; FR 35-20,000 Hz; SPL 107 dB; imp 3 ohms. 26 x 36 x 2 in; 60 lb ea ..... \$1,995/pr  
Stand. For the above ..... \$295/pr

### Centaur 2-Way Hybrid Speaker

Hybrid speaker features a dipole midrange-tweeter ribbon and an 8-in long throw polypropylene woofer in acoustic suspension enclosure. Power handling 150 W cont; FR 38-20,000 Hz; SPL 107 dB; imp 5 ohms. Black grille with agate or walnut fascia. 15 x 46 x 11 in; 65 lb ea ..... \$1,495/pr

DAX. Dedicated active crossover for Diva, Duetta Signature and Caliper Signature. Compatible with balanced amps or single-ended amps. LED display indicates levels of woofers and midrange/tweeter; separate regulated power supply ..... \$3,995  
DAX II. Similar to the above with internal power supply and no LED display ..... \$1,995

## ARANT

### A-200 3-Way Speaker

Features 10-in woofer, 4½-in dome midrange, and 1-in dome tweeter in vented enclosure. Min power 15 W; frequency response 34-22,000 Hz ± 3 dB; sensitivity 92 dB SPL/W/m; crossover points 800 and 3,500 Hz; impedance 6 ohms. Oiled walnut finish and black knit grille. 16 x 26 x 12 in; 40 lb ea ..... \$770/pr

### A-140 2-Way Speaker

Features 6½-in woofer, and 1-in dome tweeter in passive-radiator enclosure. Min handling 12 W; FR 32-22,000 Hz ± 3 dB; sens 93 dB SPL/W/m; crossover frequency 2,700 Hz; imp 8 ohms. Oiled walnut finish and black knit grille. 11 x 19 x 11 in; 49 lb/pr ..... \$550/pr

### A-80 2-Way Speaker

Features 8-in woofer, and 1-in dome tweeter in vented enclosure. Min power 12 W; FR 38-22,000 Hz ± 3 dB; sens 91 dB SPL/W/m; crossover frequency 2,000 Hz; imp 6 ohms. Oiled walnut finish and black knit grille. 11 x 19 x 10 in; 38 lb/pr ..... \$490/pr

### A-60 2-Way Speaker

Features 6½-inch woofer, and 1-inch dome tweeter in vented enclosure. Minimum power 12 watts; frequency response 49-22,000 Hz ± 3 dB; sensitivity 89 dB SPL/W/m; crossover frequency 2,500 Hz; impedance eight ohms. Oiled walnut finish and black knit grille. Dimensions: 9½ x 17 x 7½ in; weight: 30 lb/pr ..... \$300/pr

## ARCAM

### One + 2-Way Speaker

Reflex-loaded cabinets with Medite front baffles. Features polymer-cone midbass driver; dome tweeter. Crossovers may be biwired. frequency response 35-20,000 Hz; power handling 100 W; impedance 8 ohms. Genuine wood veneers, optional walnut or black finish. 10¼ x 20¼ x 12½ in ..... \$800

### Two + 2-Way Speaker

Reflex-loaded cabinets with Medite front baffles. Features polymer-cone midbass driver; dome tweeter. Crossover may be biwired. FR 42-20,000 Hz; power handling 70 W; imp 8 ohms. Genuine wood veneers, optional walnut or black finish. 8¼ x 14¾ x 11 in ..... \$600

### Three + 2-Way Speaker

Reflex-loaded cabinets with Medite front baffles. Features polymer-cone midrange; dome tweeter; 8-element crossover. FR 47-20,000 Hz; power handling 50 W; imp 8 ohms. Vinyl veneers, optional walnut or black finish. 7¼ x 13½ x 10½ in ..... \$350

## ARISTON ACOUSTICS BY EUROSOUND

### "Q" 2-Way Speaker

Acoustically dead cabinet features truncated pyramid design. 6-in glass-fiber midbass driver; 1½-in soft-dome tweeter. Imp 8 ohms; sens 85 dB; biwired. Black finish. .... \$970/pr

### Image II 2-Way Speaker

Bass-reflex design ported in back. 6½-in polypropylene midbass driver; ¾-in metal-alloy dome tweeter; 3rd-order acoustic crossover. Power handling 100W; FR 60-20,000 Hz; sens 88 dB; imp 6 ohms. Black finish. 8½ x 16½ x 10½ in. .... \$499/pr

## ASB

### SR-II 3-Way Speaker

Transmission-line speaker with two 8-in woofers; two 2-in dome midranges; 1-in dome tweeter. FR 28-20,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover frequencies 400, 5,000 Hz. Oiled walnut finish; black knit grille. 12 x 60 x 16 in; 45 lb ea ..... \$4,500/pr

### SR-I 3-Way Speaker

Transmission-line speaker with two 6-in woofers; 2-in dome midranges; 1-in cone tweeter. FR 32-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover frequencies 400, 5,000 Hz. Oiled walnut finish; black knit grille. 12 x 44 x 14 in; 40 lb ea ..... \$2,800/pr

### AB-750 3-Way Speaker

Acoustic-suspension speaker with 8-in woofer; 4½-in cone midrange; 1-in cone tweeter. FR 38-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover frequencies 100, 2,000 Hz. Oiled walnut finish; black knit grille. 15 x 25 x 12 in; 40 lb ea ..... \$1,000/pr

### AB-650 2-Way Speaker

Acoustic-suspension speaker with 6-in woofer. 1-in cone tweeter. FR 45-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover frequency 2,000 Hz. Oiled walnut finish; black knit grille. 10 x 16 x 8 in; 30 lb ea. .... \$800/pr

### AB-250 2-Way Speaker

Acoustic-suspension speaker with 6-in woofer, 1-inch dome tweeter. FR 60-20,000 Hz ± 3 dB; sensitivity 90 dB SPL/W/m; impedance 8 ohms; crossover frequency 2,000 Hz. Oiled walnut finish; black knit grille ..... \$400/pr



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Well allow us to introduce the new KLIPSCH kg<sup>1</sup>. Here is absolute proof that big performance can come from a very small speaker system. The kg<sup>1</sup> fills your listening room with the presence and dynamics of a live performance. Yet it's so small that it sits comfortably (and inconspicuously) on a bookshelf. Technology is the reason why.

The woofer cone, for example, is carbon graphite filled

to set a new standard for bass quality and authority in a system of this size. The voice coil of this woofer is vented for increased power handling and effortless reproduction of dynamic musical passages.

The tweeter uses a special ferrofluid cooling system to give you increased output, power handling, dynamic range, and reliability.

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cabinet of virtually every competitive system is wrapped with vinyl which merely imitates wood. The kg<sup>1</sup> gives you the real thing.

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# SPEAKERS

## AB-150 2-Way Speaker

Acoustic-suspension speaker with 6-in woofer, 1-in dome tweeter. FR 70-20,000 Hz  $\pm$  3 dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover frequency 2,000 Hz. Oiled walnut finish; black knit grille. 15 lb ea ..... \$250/pr

## AUDIO CONCEPTS

*Speakers are available in kit or assembled form. Full kits include everything needed to build a speaker. Refer to the 1990 Audio Concepts catalogue for more details.*

### Premier I Subwoofer/Satellite System

System includes woofer modules, satellites, and stands. Power handling 200 watts rms; FR 35-20,000 Hz  $\pm$  3dB; sens 88.5 dB SPL/W/m. Natural, black, or white-lacquered-oak finish. Satellites 13 x 7 x 13 in, woofer modules 13 x 24 x 14 in ..... \$1,999 sys

### Sapphire II 2-Way Speaker

Hybrid aperiodic 7-in kevlar-cone woofer and aperiodic inverted-dome tweeter. Power handling 125 W rms; FR 65-20,000 Hz  $\pm$  3 dB; sens 89 dB W/m. 10 x 16 x 10 in ..... \$699/pr

### Saturn Subwoofer

Dual hybrid 12-in subwoofer. Power handling 200 W rms; FR 22-200 Hz,  $\pm$  3 dB; sens 88 dB W/m. 13 x 44 x 12½ in ..... \$699/pr

### G2R 3-Way Speaker

Features aperiodic 10-in woofer. Power handling 200 W rms; FR 36-20,000 Hz,  $\pm$  3 dB; sens 89 dB W/m. 28 x 14 x 13 in ..... \$499/pr

### Compact Monitor R 2-Way Speaker

Features aperiodic 7-in woofer. Power handling 125 W rms; FR 43-20,000 Hz,  $\pm$  3 dB; sens 87 dB W/m. 10 x 16 x 8 in ..... \$499/pr

### Little V Satellite 2-Way Speaker

Mini-speaker with 5-in woofer and 1-in aluminum-dome tweeter. Power handling 100 watts rms; FR 10-20,000 Hz  $\pm$  3 dB; sens 89 dB. Natural, black, or white-lacquered-oak finish. 7 x 11 x 10 in ..... \$399/pr

### S2R 2-Way Speaker

7-in woofer and 1-in aluminum-dome tweeter. Power handling 100 W rms; FR 65-20,000 Hz,  $\pm$  3 dB; sens 89 dB W/m. 10 x 16 x 10 in \$299/pr

### Little V Subwoofer

Sealed 12-in dual-voice-coil subwoofer. 100Hz crossover; max power 150 W/ch rms; FR 35-100 Hz  $\pm$  3 dB; sens 89 dB. Natural, black, or white-lacquered-oak finish. 13 x 25 x 14 in ..... \$269 ea

### Premier In-Wall Speaker

7-in woofer and 1-in dome tweeter. Power handling 100 W rms; frequency response 60-20,000 Hz,  $\pm$  3 dB; sens 89 dB W/m. Tweeter-level control. Includes mounting brackets 12 x 8 in (flush mount) ..... \$249/pr

## AUDIRE

### Image 1 Ribbon Speaker

Full-range ribbon speaker with line-source-array driver arrangement. Center-driver section covered in black grille cloth lined with finished walnut. Minimum power 50 W; FR 30-20,000 Hz; imp 1.9 ohms. 3-yr warranty. 36 x 72 x 2½ in; 150 lb ea ..... \$6,500/pr

**Image 2 Ribbon Speaker.** Same as above. Min power 75 W; FR 35-20,000 Hz; imp 2.8 ohms. 32 x 72 x 2½ in; 125 lb ea ..... \$4,500/pr

**Image 3 Ribbon Speaker.** Same as above. Min power 75 W; FR 40-20,000 Hz; imp 7.6 ohms. 24 x 60 x 1¼ in; 60 lb ea ..... \$2,700/pr

**Image 4 Ribbon Speaker.** Same as above. Min power 75 W; FR 50-20,000 Hz; imp 3.8 ohms. 24 x 60 x 1¼ in; 50 lb ea ..... \$1,500/pr

## AUDIOSOURCE

### LS-One 2-Way Shielded Speaker

Acoustic-suspension speaker with 4-in polypropylene woofer, 1-in ferrofluid cooled soft dome tweeter. Magnetic shielding for hi-fi video application. FR 100-20,000 Hz; power handling 40 watts; imp 4 ohms; sens 87 dB SPL/W/m; crossover point 2,500 Hz. Black cast-aluminum enclosure with metal grille; available in walnut, oak, black metal or weather-tight finishes; 4½ x 7¾ x 4½ in; 5.5 lb ..... \$200/pr

### LS-Two/A 2-Way Speaker

2-way acoustic-suspension speaker with 5-in polypropylene woofer, 1-in ferrofluid cooled soft-dome tweeter. Magnetic shielding for hi-fi video application. FR 60-20,000 Hz; power handling 50 watts; imp 4 ohms; sens 89 dB SPL/W/m. Black cast-aluminum enclosure. 5½ x 8½ x 4½ in; 5½ lbs ..... \$240/pr  
Weather-tight version; white finish ..... \$260/pr  
Optional mounting brackets; available in black or white ..... \$30/pr

## AVALON ACOUSTICS

### Ascent MKII Speaker

Power handling 50-300 W; FR 36-24,000 Hz  $\pm$  1.5 dB; imp 6 ohms; sens 88 dB. 13 x 45 x 18 in; crossover 12 x 32 x 12 in ..... \$15,000/pr

### Eclipse Speaker

Power handling 30-200 W; FR 45-24,000 Hz  $\pm$  1.5 dB; imp 6 ohms; sens 86 dB. 39 x 11 x 15 in; 105 lb ..... \$7,200/pr

## AVID

### Model 232CP 3-Way Speaker

Features 10-in polypropylene woofer, 4½-in integral edge cone midrange, and 1-in soft dome tweeter in a bass-reflex enclosure. Ferrofluid-cooled voice coils in tweeter and midrange. Power handling 150 W cont; FR 40-20,000 Hz - 3 dB; sens 90 dB SPL/W/m; crossover frequencies 650 and 5,000 Hz; imp 8 ohms. 15 x 28 x 10¼ in ..... \$600/pr

### Model 102CP 2-Way Speaker

Features 10-in polypropylene woofer, and 1-in soft-dome tweeter in acoustic-suspension enclosure. Ferrofluid-cooled voice coils in tweeter. Power handling 100 W cont; frequency response 43-20,000 Hz - 3 dB; sens 89 dB SPL/W/m; crossover frequency 2,500 Hz; imp 8 ohms. 15 x 25 x 10½ in ..... \$360/pr

### Model 80CP 2-Way Speaker

Features 8-in polypropylene woofer, and 1-in soft-dome tweeter in acoustic-suspension enclosure. Ferrofluid-cooled voice coils in tweeter. Power handling 70 W cont; FR 53-20,000 Hz - 3 dB; sens 88 dB SPL/W/m; crossover frequency 3,000 Hz; imp 8 ohms. 12 x 19½ x 8¾ in ..... \$300/pr

### Model 60CP 2-Way Speaker

Features 6½-in polypropylene woofer, and 1-in soft-dome tweeter in acoustic-suspension enclosure. Ferrofluid-cooled voice coils in tweeter. Power handling 60 W cont; FR 70-20,000 Hz - 3 dB; sens 87 dB SPL/W/m; crossover frequency 3,500 Hz; imp 8 ohms. 8¼ x 14 x 8 in ..... \$240/pr

## AXIOM

### AX 5 2-Way Speaker

10- and 5-in woofers and 1-in dome tweeter. FR 29-22,000 Hz  $\pm$  2 dB; sens 87 dB; imp 4 ohms; crossover points at 180 and 3,000 Hz. Dark, natural, or black oak finish with black knit grille. 12 x 36 x 12 in; 80 lb/pr ..... \$1,699/pr

### AX Subwoofer/Center-Channel Speaker System

Two 10-in woofers, one 5-in woofer and 1-in dome tweeter. FR 29-22,000 Hz  $\pm$  3 dB; sens 87 dB; imp 4 ohms; crossover points 120, 250, and 3,000 Hz. Dark, natural, or black oak finish with black knit grille. 15 x 33 x 16 in; 90 lb ea \$1,449 ea

### AX Subwoofer

Two 10-in woofers and active crossover. FR 29-120 (or 250) Hz  $\pm$  3 dB; sens 87 dB; imp 4 ohms; crossover points 120 and 250 Hz. Dark, natural, or black-oak finish with black knit grille. 15 x 33 x 16 in; 80 lb ea ..... \$1,699 ea

### AX 3 2-Way Speaker

8- and 5-in woofers, and 1-in dome tweeter. FR 36-22,000 Hz  $\pm$  2 dB; sens 88 dB; imp 4 ohms; crossover points 180 and 3,000 Hz. Dark, natural, or black-oak finish with black knit grille. 10 x 36 x 10 in; 66 lb/pr ..... \$899/pr

### AX 1 2-Way Speaker

Tuned port speaker with 5-in woofer and 1-in dome tweeter. FR 70-22,000 Hz  $\pm$  2 dB; sens 87 dB; imp 4 ohms; crossover point 3,000 Hz. Dark, natural, or black-oak finish with black knit grille. 6 x 11 x 6 in; 30 lb/pr ..... \$599/pr

### AX 2 2-Way Speaker

Tuned port speaker with 8-in woofer and 1-in dome tweeter. FR 40-22,000 Hz  $\pm$  2 dB; sens 89 dB; imp 6 ohms; crossover point 3,200 Hz. Dark, natural, or black-oak finish with black knit grille. 10 x 24 x 10 in; 50 lb/pr ..... \$569/pr

### AX 2 2-Way Bookshelf Speaker

Tuned port speaker with 8-in woofer and 1-in dome tweeter. FR 43-22,000 Hz  $\pm$  2 dB; sens 89 dB; imp 8 ohms; crossover point 3,200 Hz. Dark, natural, or black-oak finish with black knit grille. 10 x 19 x 10 in; 44 lb/pr ..... \$459/pr

### AX 1.5 2-Way Speaker

Tuned port speaker with 6½-in woofer and ¼-in dome tweeter. FR 45-22,000 Hz  $\pm$  2 dB; sens 89 dB; imp 6 ohms; crossover point 3,500 Hz. Dark, natural, or black oak finish with black knit grille. 8 x 19 x 8 in; 36 lb/pr ..... \$349/pr

### AX 1.5 In-Wall 2-Way Speaker

Features 6½-in woofer and ¼-in dome tweeter; choice of 18 grille colors. FR 45-22,000 Hz  $\pm$  2 dB; sens 89 dB; imp 6 ohms; crossover point 3,500 Hz. Black knit grille. 14 x 19 x 1 in; 16 lb/pr ..... \$328/pr

### AX 1.5 Bookshelf Speaker

Tuned port speaker with 6½-in woofer and ¼-in dome tweeter. FR 50-22,000 Hz  $\pm$  2 dB; sens 89 dB; imp 6 ohms; crossover point 3,500 Hz. Dark, natural, or black-oak finish with black knit grille. 8 x 15 x 8 in; 30 lb/pr ..... \$299/pr

## BANG & OLUFSEN

### Beovox Penta 3-Way Speaker

Five-sided bass-reflex speaker. Features four 5-in woofers, four 3-in midranges, one 1-in dome tweeter (vertically aligned). Finished in brushed stainless steel with black grille. FR 40-20,000 Hz +4, -8 dB. 5 x 59 x 5½ in; 37.5 lb ea ..... \$2,200/pr

### Beovox 5000 2-Way Speaker

Bass-reflex speaker with two 5-in woofers and one 1-in dome tweeter. Power handling 60 W cont; imp 8 ohms; FR 60-20,000 Hz; sens 89 dB

# SPEAKERS

spl/W/m; crossover frequency 3,500 Hz; THD <0.2% from 250-6,000 Hz. 17¼ x 33½ x 3 in; 24.5 lb. Available in blue and gray ... \$1,096/pr

## RL 140 3-Way Speaker

Floor-standing bass-reflex speaker with two 6½-in woofers, 5-in midrange, 1-in dome tweeter in grey plastic enclosure with black grille. FR 40-20,000 Hz; sens 93 dB SPL/W/m; power handling 140 W cont; imp 8 ohms; crossover frequencies 800,3,000 Hz. 20 x 28 x 9½ in; 33 lb ea. .... \$990/pr

## Beovox 3000 2-Way Speaker

Bass-reflex speaker with one 5-in woofer and one 1-in dome tweeter. Power handling 45 W cont; imp 8 ohms; FR 75-20,000 Hz; sens 87 dB SPL/W/m; crossover frequency 3,500 Hz; THD <1% from 250-6,000 Hz. 15 x 17¼ x 3 in; 11.2 lb. Available in blue and gray. .... \$696/pr

## RL 60.2 2-Way Speaker

Floor-standing speaker with 1-in dome tweeter, two 5-in cone woofers, tuned port; charcoal-black finish. Frequency response 45-20,000 Hz; power handling 60 W cont; sens 93 dB SPL/W/m; imp 8 ohms; crossover frequency 2,500 Hz. 16 x 21¼ x 7 in; 19.75 lb ea. .... \$550/pr

## Beovox Cona Subwoofer

Drum-shaped bass-reflex subwoofer with 8-in driver, dual voice coil, concave top. Power handling: 60 W cont rms into 6 ohms from 40-195 Hz; sens 89 dB SPL/W. 10½ x 17 in diam; 16.5 lb. White, black, gray finishes ... \$395 ea

## RL 35 2-Way Bookshelf Speaker

Bass-reflex speaker. Features 5-in woofer; ¾-in tweeter. Power handling 35 W cont; FR 48-20,000 Hz; imp 8 ohms; sens 92 dB SPL/W/m; crossover frequency 3,500 Hz; bitumen blocks on inside of curved backplate; thermoplastic cabinet. 12½ x 15¼ x 5 in; 7.8 lb ea. .... \$380/pr

## Beovox CX100 Bookshelf Speaker

Black, white, gray, or brushed-aluminum bookshelf box speaker with two 4-in woofers, 1-in dome tweeter. Power range 10-110 W; sens 89 dB SPL/W/m; imp 6 ohms; 4 x 12 x 8 in; 13.5 lb. .... \$380/pr  
Beovox CX50. Black finish; 8 lb ea. .... \$280/pr

## Powered Speakers

### Beolab Penta II 3-Way Speaker

Powered, 5-sided, bass-reflex, floor-standing speaker with 150-W amplifier in each cabinet. Features four 5-in woofers, four 3-in midranges, one 1-in dome tweeter (vertically aligned); dynamic clipping attenuator, 3-position bass-level switch; auto turn on/off when used with Beosystem 5500; digital display shows source, volume, recording, status, overload. Finished in brushed stainless steel with black grille. Speaker section: power handling 150 W cont; FR 40-20,000 Hz; sens 92 dB SPL/W/m; crossover frequency 700,5000 Hz; imp 8 ohms. Amp section: FR 20-20,000 Hz; THD <0.015%; damping factor 150; s/n >100 dB. 5 x 65 x 5¾ in; 53 lb ea. .... \$3,295/pr

### Beolab 5000 2-Way Wall/Hanging Speaker

Bass-reflex 2-way speaker with 55-W amplifier in each cabinet. Features two 5-in woofers and one 1-in dome tweeter. Automatic bass-level switching; auto turn on and off when used with B&O Beolink system; digital display shows source, volume, recording status. Finished in brushed stainless steel and blue or grey grille cloth. Speaker section: power handling 60 W cont; FR 60-20,000 Hz +4, -8 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover frequency 3,500 Hz. Amp section: FR 20-20,000 Hz; total harmonic distortion <0.1%; signal-to-noise ra-

tio >97 dBA. 17¼ x 39¼ x 3 in; 33.5 lb ea. .... \$2,095/pr

### Beolab 3000 2-Way Wall/Hanging Speaker

Bass-reflex speaker with 55-W amplifier in each cabinet. Features one 5-in woofer and one 1-in dome tweeter. Automatic bass-level switching; auto turn on/off when used with B&O Beolink system; digital display shows source, volume, recording status. Finished in brushed stainless steel and blue or grey grille cloth. Speaker section: power handling 45 W cont; FR 75-

20,000 Hz; sens 87 dB SPL/W/m; crossover frequency 3,500 Hz; imp 8 ohms. Amp section: FR 20-20,000 Hz; THD <0.1%; s/n >97 dBA. 17¼ x 21¼ x 3 in; 20 lb ea. .... \$1,695/pr

## B&W LOUDSPEAKERS

### LM-1 2-Way Speaker

Mini speaker with 4-in Kevlar woofer and ¾-in tweeter. Features cast-magnesium enclosure; protection against overload; switchable to 8 or 4 ohms. For home and car use. Sens 85 dB SPL/



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# SPEAKERS

W/m; power handling 20-75 W; imp 4/8 ohms; crossover 3000 Hz. Colored Nextel and beige finish. 6¼ x 9½ x 8½ in ..... \$600/pr  
**L.M-1/PM.** Panel-mount version ..... \$550/pr

## Matrix 800 Series

### Matrix 800 3-Way Speaker

Dynamic, passive radiator design with dual 1¼-in woofers, dual 5-in cone midranges, and 1¼-in gold-dome tweeter. Features modular cabinets with matrix construction. Sens 93 dB SPL/W/m; power handling 100-800 W; imp 4 ohms; FR 20-20,000 Hz ± 2 dB. 242 lb \$18,000/pr

### Matrix 801 Series 2 Speaker

Floor-standing 6th-order Butterworth vented system. Features 12-in polymer woofer, 5½-in Kevlar midrange and 1-in metal-dome tweeter. Electronic bass-alignment filter. Walnut, black-ash, white, natural-oak finishes. Power handling 600 W. FR 20-20,000 Hz, ± 2 dB; sens 87 dB (2.83V, 1 m); crossover points 380 and 3,000 Hz; imp 8 ohms. 17 x 39¼ x 22 in ... \$5,500/pr  
**STAV 801.** Stand for above, ..... \$200/pr  
**801 Hood.** Hood for Matrix 801 (black or brown) ..... \$300/pr

### Matrix 802 Series 2 3-Way Speaker

Floor-standing 6th-order Butterworth vented system with vertically aligned drivers. Features two 8-in polymer woofer, one 5-in Kevlar midrange, one 1-in metal-dome tweeter; electronic-bass alignment filter. Walnut, white, natural-oak, or black-ash finishes; power handling 50-500 W; FR 27-20,000 Hz, ± 2 dB; sens 90 dB (2.83V, 1 m); crossover points 400 and 3,000 Hz; imp 8 ohms. 11¼ x 41 x 14½ in... 4,000/pr

### Matrix 803 2-Way Speaker

Bass-reflex, dynamic speaker with 7½-in woofer and 1-in dome tweeter. Bass alignment filter; matrix cabinet. Sens 90 dB SPL/W/m; power handling 90-200 watts; imp 8 ohms; FR 30-20,000 Hz ± 2 dB ..... \$3,000/pr

### CM2 Matrix Mini 2-Way Speaker

Floor-standing 4th-order Butterworth vented system consisting of CMI head module crossing over at 150 Hz into subwoofer section. Matrix enclosure design. Overload protection circuit. Column finish in black, white, nextel gray, walnut. Power handling 200 W; imp > 4 ohms. 6¼ x 39¼ x 8½ in; base 10 x 9½ in ... \$1,750/pr  
**CM2-SW Subwoofer Col.** Similar to CM2 without high-frequency driver ..... \$1,100/pr  
**CM-WB.** Wall-mounting bracket for the CM2 and the CM2-SW ..... \$40/pr

### CM-1 2-Way Bookshelf Speaker

Acoustic-suspension speaker with 5-in Kevlar woofer and 1-in metal-dome tweeter. Features matrix construction. Sens 85 dB SPL/W/m; power handling 120 W max; FR 90-20,000 Hz ± 1½ dB; imp 8 ohms. White, black or nextel grey finishes. 6½ x 9½ x 8¼ in; 11 lb ..... \$800/pr

## Digital Monitor 600 Series

### DM 640 3-Way Speaker

Bass-reflex speaker with dual 7¼-in woofers, 6¼-in cone midrange, and 1-in metal-dome tweeter. Features biwiring; separate internal enclosure for midrange. Sens 91 dB SPL/W/m; power handling 25-150 W; imp 4 ohms; FR 46-20,000 ± 2 dB. 9¼ x 37¾ x 15¾ in... \$1,300/pr

### DM 630 2-Way Speaker

Bass-reflex speaker with dual 7¼-in woofers and 1-in metal-dome tweeter. Features biwiring. Sens 91 dB SPL/W/m; power handling 25-150 W; imp 4 ohms; FR 53-20,000 Hz ± 2 dB. 9¼ x 33¾ x 15¾ in ..... \$1,000/pr

### DM 620 2-Way Speaker

Bass-reflex speaker with 7¼-in woofer and 1-in metal-dome tweeter. Features biwiring. Sens 91 dB SPL/W/m; power handling 25-150 W; imp 4 ohms; FR 58-20,000 Hz ± 2 dB ..... \$800/pr

### DM 310 2-Way Speaker

Bass-reflex speaker with 7¼-in woofer and 1-in metal-dome tweeter. Features biwiring. Sens 91 dB SPL/W/m; power handling 20-100 W; imp 4 ohms; 70-20,000 Hz ± 2 dB ..... \$800/pr

## Wall-Mount Series

### CWM 6 2-Way In-Wall Speaker

Acoustic-suspension, speaker with 7¼-in woofer and 1-in tweeter. Sens 90 dB SPL/W/m; power handling 20-100 W; imp 4 ohms; FR 35-20,000 Hz ± 3 dB. 14 x 10¾ x 3½ in ..... \$600/pr

### CWM 8 2-Way In-Wall Speaker

Acoustic-suspension, speaker with 7¼-in woofer and 1-in tweeter. Sens 91 dB SPL/W/m; power handling 20-70 W; imp 6 ohms; FR 45-20,000 Hz ± 3 dB. 9 x 12½ x 3 in ..... \$400/pr

## 200 Series

### V202 2-Way Speaker

Bass-reflex, speaker with 7¼-in woofer and 1-in tweeter. 4th-order vented. Sens 90 dB SPL/W/m; power handling 20-120 W; imp 6 ohms; FR 48-20,000 Hz ± 3 dB ..... \$350/pr

### V201 2-Way Speaker

Bass-reflex, speaker with 7¼-in woofer and 1-in tweeter. 4th-order vented. Sens 90 dB SPL/W/m; power handling 20-100 W; imp 6 ohms; FR 66-20,000 Hz ± 3 dB ..... \$250/pr

## BEST

### CT72 Series Ceiling-Tile Transducers

CT72 drivers are omnidirectional and designed to be ceiling mounted. Dimensions: 23½ x 23½ x 3 in.

CT72DT32. Dual driver, with 32W/70V transformer ..... \$300

CT72DT8. Dual driver, with 8W/70V transformer ..... \$279

CT72D. Dual driver; 40-19,000 Hz; 75W; 8 ohms ..... \$263

CT72ST32. Same as CT72S, with 32W/70V transformer ..... \$261

CT72ST8. Same as CT72S, with 8W/70V transformer ..... \$240

CT72S. Single driver; 50-10,000 Hz; 60 W; 8 ohms ..... \$224

### CT62 Series Omnidirectional Transducers

CT62 drivers are designed for a variety of indoor/outdoor mounting schemes. Dimensions: 23½ x 17½ x 3 in.

CT62DT8. Dual driver, with 8W/70V transformer ..... \$254

CT62D. Dual driver; 40-19,000 Hz; 75W; 8 ohms ..... \$238

CT62DT32. Same as CT62D, with 32W/70V transformer ..... \$233

CT62ST32. Same as CT62S, with 32W/70V transformer ..... \$233

CT62ST8. Same as CT62S, with 8W/70V transformer ..... \$212

CT62S. Single driver; 50-10,000 Hz; 60 W; 8 ohms ..... \$196

### CT62 Modified Series Transducers

Designed for mounting on sheetrock walls. Dimensions: 17½ x 23½ x 3 in.

CT62DMT32. Same as CT62DM, with 32W/70V transformer ..... \$295

CT62DMT8. Same as CT62DM, with 8W/70V transformer ..... \$274

CT62DM. Dual driver; 40-19,000 Hz; 75W; 8 ohms ..... \$258

CT62SMT32. Same as CT62SM, with 32W/70V transformer ..... \$253

CT62SMT8. Same as CT62SM, with 8W/70V transformer ..... \$232

CT62SM. Same as CT62SM; single driver; 50-10,000 Hz; 60W; 8 ohm ..... \$216

PRPBB2.1. Plaster ring and 1.26 cu. ft. back-box ..... \$150

PR60.1. Plaster ring for ½-in or ¾-in sheetrock ..... \$80

## BT82 Series Omnidirectional Transducer Systems

BT82s systems are designed for indoor/outdoor use. They can be free-standing or hung by a pendant. Dimensions: 19 x 25 x 4¼ in.

BT82T32. Same as BT82, with 32W/70V transformer ..... \$408

BT82T8. Same as BT82, with 8W/70V transformer ..... \$387

BT82. Dual driver, 40-19,000 Hz; 75W; 8 ohms. For outdoor use ..... \$371

BT82IT32. Same as BT82I, with 32W/70V transformer ..... \$378

BT82IT8. Same as BT82I, with 8W/70V transformer ..... \$357

BT82I. Dual driver, 40-19,000 Hz, 75W, 8 ohms. For indoor use ..... \$341

QUAD-M. L brackets and hardware necessary for central cluster mounting ..... \$165

STND-HDL. U bracket, knobs, and additional hardware necessary for stand mount .... \$135

STND-U. U brackets, knobs, and additional hardware necessary for tilt/swivel mounting ..... \$65

STK-M. L brackets with hardware required for truss/beam mounting ..... \$61

BKT-T. T bracket with hardware necessary for tripod mounting ..... \$59

BKT-L. L brackets and hardware required for pole mounting ..... \$22

EBLT-M. Hardware required for pendant mounting ..... \$3.40

## BIB

### Point-4 2-Way Speaker

Four-inch woofer and 2½-in tweeter in eight-inch sealed enclosure. Swivel mounting brackets included. Power handling 50 watts; frequency response 45-20,000 hertz; sensitivity 85.5 decibels; impedance four ohms; crossover point 4,000 hertz. Dimensions: 4½ x 8 x 5 in; weight: 5.7 lb ..... \$130/pr

## BOSE

### 01 Series

#### Model 901 Series VI Speaker

Features Direct/Reflecting Acoustic-Matrix design with active equalizer and eight rear-facing, one front-facing 4½-inch full-range drivers. Pentagon-shaped cabinet with injection-molded core; walnut-veneer cabinet panels; active equalizer with midbass/midtreble slide control and tape-monitor switch; five-year warranty. Power handling unlimited in noncommercial application; impedance eight ohms; dynamic range 106 dB. Equalizer: 13 x 2¼ x 4¾ in. Speaker: 12¾ x 21 x 13 in. Price includes equalizer ..... \$1,499/pr

#### Model 601 Series III Direct/Reflecting Speaker

Floor-standing speaker system with tweeters and one woofer mounted above main enclosure in free-space-array configuration. Two 8-in cone woofers; four 3-in cone tweeters; support enclosure system with slotted port. Power handling 200 watts continuous; impedance 8 ohms ..... \$999/pr

# SPEAKERS

## Model 501 Series IV Direct/Reflecting Speaker

Floor-standing speaker system with two 3-in tweeters and 10-in woofer. Teak-grain vinyl finish; five-year warranty. Power handling 115 W cont; imp 8 ohms. 16 x 25 x 14 in; 40 lb ea. . . . . \$699/pr

## Model 401 Direct/Reflecting Speaker

Floor-standing, column-type enclosure with two 6½-in woofers and 2-in magnetic liquid-cooled tweeter. Features Stereo Space array design; thermal-system protection circuit. Walnut- or black-vinyl finish; five-year warranty. Power handling 100 W max rms; nominal imp 4 ohms. 12 x 30 x 12 in; 31 lb ea . . . . . \$599/pr

## Model 301 Series II Direct/Reflecting Speaker

Ported bookshelf speaker system with 8-in woofer, two 3-in tweeters. Features dual-frequency crossover; tweeter-protection circuit. Particleboard cabinet with walnut-grain or black-vinyl finish; five-year warranty. Power handling 75 W max rms; impedance 8 ohms; 10½ x 17 x 9½ in; 18.5 lb ea . . . . . \$399/pr

## Model 201 Series II Direct/Reflecting Speaker

Bookshelf speaker with 6-in woofer, 2-in tweeter. Features dual-frequency crossover network; auto tweeter protection. Available in rosewood-vinyl finish; five-year warranty. Power handling 60 W max; imp 8 ohms; 7¾ x 14½ x 9 in; 19 lb ea . . . . . \$269/pr

## Model 101 Indoor/Outdoor Full-Range Speaker

Indoor/outdoor ported speaker. Features high-impact water-resistant polystyrene cabinet for environmental applications; 4½-in full-range driver. Optional multipurpose mounting arms and brackets available at extra cost; finished in black or white with white, blue, red, or green grilles. Power handling 60 W max rms; imp 4 ohms. 6 x 9 x 6 in; 10 lb/pr . . . . . \$219/pr

## Point Two Series

### Model 10.2 Direct/Reflecting Speaker

Floor-standing ported speaker with 8-in mid-range driver, two 2-in tweeters, and 8-in woofer. Features Acoustimass technology; automatic protection. Hardwood-veneer finish; five-year warranty. Power handling 180 W cont; sensitivity 88 dB; impedance 8 ohms. 12 x 38 x 12 in; 46 lb ea . . . . . \$1,299/pr

### Model 6.2 Direct/Reflecting Speaker

Bookshelf speaker with controlled-dispersion-pattern design. Features 8-in woofer; two 3-in tweeters; dual-chamber sub-ported bass system; interactive crossover network. Hardwood-veneer with teak finish; five-year warranty. Power handling 100 W cont; imp 4 ohms. 10 x 20 x 9½ in; 19 lb, 8 oz ea . . . . . \$599/pr

### Model 4.2 Direct/Reflecting Speaker System

Compact bookshelf speaker with 8-in woofer, 2½-in axial-mounted tweeter. Features dual-chamber bass system with slot-port design; auto tweeter protection circuit. Teak-vinyl finish; five-year warranty. Power handling 75 W max rms; imp 8 ohms. 9½ x 18 x 10 in; 15 lb ea. . . . . \$399/pr

### Model 2.2 Direct/Reflecting Speaker System

Compact bookshelf speaker with 6-in long-excursion woofer, 2-in magnetic-fluid-cooled tweeter. Slot-port bass tuning system. Teak-vinyl finish; five-year warranty. Power handling 60 W cont; imp 8 ohms . . . . . \$269/pr

## Acoustimass Series

### Acoustimass 5 Subwoofer/Satellite System

Compact modular system with Acoustimass

bass module and Direct/Reflecting cube speaker arrays. Each array features 2 separate cube enclosures that can be adjusted for direct or reflecting configuration. Bass module has two 6½-in drivers. Features automatic protection circuitry. Scratch-resistant black-satin finish for bass module, black or white finish for cube speaker; five-year warranty. Optional accessories include wall/ceiling mount brackets. Power handling 100 W cont. Cube speaker: 3¾ x 7¾ x 4¾ in. Bass module: 12 x 20 x 8 in; 33 lb . \$799

### Acoustimass SE-5 Subwoofer/Satellite System

Compact modular system with Acoustimass bass module and Stereo Targeting satellite speaker arrays. Each array includes two 2½-in magnetically shielded drivers in black enclosure. Bass module has two 6-in drivers. Features automatic protection circuitry. Scratch-resistant black-satin finish for bass module, black-polymer finish for satellites; five-year warranty. Power handling 100 W cont; imp 6 ohms. Array: 4¾ x 8¼ x 3¾ in. Bass module: 7¾ x 12¾ x 20¼ in; 33 lb . . . . . \$799

### Acoustimass 3 Subwoofer/Satellite System

Acoustimass bass module and two magnetically shielded cube enclosures. Features 5½-in woofer and two 2½-in wide-range speakers that operate above 200 Hz. Black or white finish; optional accessories include wall/ceiling mount brackets. Power handling 50 W cont. Cube enclosure: 4½ x 3½ x 4½ in. Bass module: 14 x 8 x 8 in . . . . . \$599

### Free-Style Full Range Speaker System

European-styled compact system with Bose patented curved and flared port design. Features 4½-in full-range driver. Black, red or white finish. Power handling 60 W max. 9½ x 5½ x 6 in. . . . . \$339

### RoomMate II Portable Powered Speaker System

Features built-in stereo amp that accepts output of personal stereo and portable CD players. ACDC compatible. 4½-in full-range driver with helical voice coils. Features 2-stage active equalization network; distortion-limiting circuitry. Aerodynamically tuned ports, high-impact polypropylene cabinet. Sens 102 dB. 6½ x 9½ x 6½ in; 10 lb. Black finish . . . . . \$339/pr

### Power Case. Includes rechargeable battery, charger, travel bag, car adapter . . . . . \$219

### TB-11. Travel bag . . . . . \$100

### Car adapter . . . . . \$24.95

### WB-10. Wall brackets . . . . . \$24.95/pr

### MMA-4. Mounting arms . . . . . \$60/pr

### WC-5. Wall/ceiling brackets . . . . . \$60/pr

### Video RoomMate Powered Speaker

Bass-reflex bookshelf speaker for use with VCR, TV, or videodisc player. Features 4½-in shielded full-range helical-voice-coil driver; amplification/active-equalization system; dual-tuned ports; 6-ft RCA cable; volume control. Gray enclosures with black baffle and silver/gray grille. 6 x 9 x 6 in; 11.5 lb . . . . . \$339/pr

## BOSTON ACOUSTICS

### T Series

#### T1030 3-Way Speaker

Floor-standing acoustic-suspension speaker with two 8-in copolymer woofers, 6½-in copolymer midrange in subenclosure, and 1-in CFT 5 ferrofluid-cooled tweeter. Features tapered-grille design to reduce sonic diffraction. Power handling 15-150 W rms; frequency response 40-20,000 Hz ± 3 dB; sensitivity 90 dB SPL/W/m; impedance 8 ohms; crossover frequencies 250 Hz, 2,500 Hz. Tall slender enclosure. 10¼ x 42½ x 12¼ in.

Walnut veneer . . . . . \$1,200/pr  
Black vinyl . . . . . \$1,000/pr

#### T930 3-Way Speaker

Floor-standing acoustic-suspension speaker with 10-in copolymer cone woofer, 6½-in copolymer cone midrange, and 1-in CFT 5 dome tweeter. Power handling 15-125 W/ch rms; frequency response 42-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 350 and 2,500 Hz. Comes in hand-finished walnut veneer, woodgrain vinyl, and black-ash vinyl. 36¼ x 10½ x 12 in.

Walnut veneer . . . . . \$800/pr  
Vinyl . . . . . \$700/pr

#### T830 3-Way Speaker

Floor-standing acoustic-suspension speaker with 8-in copolymer-cone woofer, 3½-in copolymer-cone midrange, and 1-in dome tweeter. Power handling 15-100 W rms; FR 45-20,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover points 800 and 4,000 Hz. Comes in woodgrain vinyl and black-ash finishes. 10 x 32½ x 9¾ in . . . . . \$500/pr

### Designer In-Wall Speaker Series

*Intended for flush mounting in walls or ceilings. Each speaker is water resistant and has a matte-white finish that can be painted to match room decor. Includes mounting hardware; optional brackets available for installation in new construction.*

#### SW-10 Powered Subwoofer

10-in subwoofer in compact vented enclosure. System features internal 100-watt amplifier with electronic crossover. Auto-on, auto-off; Low frequency: 34 Hz -3 dB; 24 dB/octave high filter at 95 Hz. Black-ash vinyl finish. 11¼ x 19½ x 16¼ in . . . . . \$600

#### Model 380 2-Way Speaker

Flush-mount speaker with 8-in copolymer woofer and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 5-75 W rms; Frequency response 48-20,000 Hz ± 2 dB; imp 8 ohms; sens 90 dB SPL/W/m. 9½ x 12½ in; mounting depth 3¼ in . . . . . \$500/pr

#### SubSat Six Subwoofer/Satellite System

Three-piece system with 2 small satellite speakers and 1 compact subwoofer. Each satellite features ¾-in ferrofluid-cooled tweeter and 4-in midrange; subwoofer uses two drivers in sealed and vented chambers. Power handling 15-150 W rms; imp 8 ohms; sens 87 dB SPL/W/m. Satellites available in black or white finishes, subwoofer in black. Satellite: 5 x 8 x 4 in; subwoofer: 16½ x 13½ x 7¼ in. . . . . \$500/system

#### Model 360 2-Way Speaker

Flush-mount speaker with 6½-inch copolymer-cone woofer and 1-inch ferrofluid-cooled soft-dome tweeter. Woofer designed to provide full bass without enclosure. Power handling 5-60 watts rms; FR 58-20,000 Hz ± 2 dB; imp 8 ohms; sens 90 dB SPL/W/m. 12 x 8¾ in; mounting depth 3¼ inches . . . . . \$400/pr

#### Model 350 2-Way Speaker

Flush-mount speaker with 5¼-in copolymer woofer and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 5-50 W rms; FR 68-20,000 Hz ± 2 dB; imp 4 ohms. 9½ x 6¾ in; mounting depth 2¾ in . . . . . \$300/pr

#### PowerVent 12 Subwoofer

Two drivers in sealed and vented chambers. Features auto-on, auto-off. Frequency response 46-150 Hz; impedance 8 ohms; sens 87 dB SPL/W/m; power range 15-100 W rms. Black-ash finish. 16½ x 13½ x 7¼ in . . . . . \$250 ea



# SPEAKERS

## Model 325 2-Way Speaker

Compact flush-mount speaker with 5/4-in woofer and in-line mounted 3/4-in cone tweeter. Power handling 5-25 W rms; FR 68-20,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 90 dB SPL/W/m. Matte-white finish; steel perforated grille. 6 1/4 in square; mounting depth 2 1/8 in ..... \$200/pr

## Model 305 2-Way Speaker

Compact 5/4-in dual-cone full-range loudspeaker. Power handling 5-50 W rms; frequency response 70-16,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 90 dB SPL/W/m. Matte-white finish; matte-white steel perforated grille. 6 1/4 in square; mounting depth 2 1/8 in ..... \$130/pr

## A Series

### A120 2-Way Bookshelf Speaker

Vented enclosure with 10-in passive radiator, 6 1/2-in midrange, 1-in CFT 3 ferrofluid-cooled dome tweeter. Tapered grille to reduce sonic diffraction. Power handling 15-150 W rms; FR 40-20,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 90 dB SPL/W/m. 12 1/2 x 24 1/2 x 9 1/4 in ..... \$420/pr

### A70 Series II 2-Way Bookshelf Speaker

Acoustic-suspension speaker with 8-in copolymer woofer and 1-in CFT 5 ferrofluid-cooled soft-dome tweeter. Power handling 15-75 W rms; FR 45-20,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; imp 8 ohms. Woodgrain-vinyl finish with charcoal grille. 12 1/2 x 23 x 8 1/4 in ..... \$320/pr

### A60 Series II 2-Way Bookshelf Speaker

Acoustic-suspension speaker with 8-in copolymer-cone woofer and 1-in ferrofluid-cooled dome tweeter. Power handling 15-75 W rms; FR 52-20,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; imp 8 ohms. Woodgrain-vinyl finish with charcoal grille or matte-black vinyl finish with back grille. 11 1/4 x 18 1/4 x 7 1/4 in ..... \$240/pr

### A40V Series II 2-Way Shielded Speaker

Acoustic-suspension bookshelf speaker with 6 1/2-in copolymer-cone woofer and 3/4-in ferrofluid-cooled tweeter. Features magnetic shielding to allow placement near a TV or video monitor. Power handling 5-50 W rms; FR 65-20,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; imp 8 ohms. Matte-black finish with black grille. 8 1/4 x 13 1/2 x 7 1/4 in ..... \$190/pr

## HD Series

### HD7 2-Way Speaker

7-in copolymer woofer and 3/4-in ferrofluid-cooled dome tweeter. Features structural ribbing to reduce metallic vibrations. Available in woodgrain vinyl with gray grille and black-ash vinyl with black grille. 9 x 14 x 7 in ..... \$200/pr

### HD5 2-Way Speaker

5 1/4-in copolymer woofer and 3/4-in ferrofluid-cooled dome tweeter. Structural ribbing reduces metallic vibrations. Available in woodgrain vinyl with gray grille and black-ash vinyl with black grille. 6 1/4 x 9 1/4 x 7 in ..... \$150/pr

## CAMBER

### "ti" Series

#### Camber 6.0ti 3-Way Speaker

Bass-reflex speaker with two 8 3/8-in woofers, 8 3/8-in cone midrange, and 1-in titanium-dome tweeter. Biwirable. Power handling 250 W cont; FR 30-23,000 Hz  $\pm$  2 dB; sens 91 dB SPL/W/m; imp 8 ohms. 10 3/8 x 48 x 15 1/4 in; 77.2 lb ea ..... \$1,499/pr

#### Camber 5.0ti 2-Way Speaker

Bass-reflex speaker with 8 3/8-in woofer, 8 3/8-in

passive radiator, and 1-in titanium-dome tweeter. Biwirable. Power handling 200 W cont; FR 40-23,000 Hz  $\pm$  2 dB; sens 90 dB SPL/W/m; imp 8 ohms. 10 3/8 x 36 x 11 1/8 in; 55 lb ea ..... \$899/pr

#### Camber 3.5ti 2-Way Speaker

Bass-reflex speaker with 8 3/8-in woofer and 1-in titanium-dome tweeter. Biwirable. Power handling 175 watts continuous; frequency response 45-23,000 Hz  $\pm$  2 dB; sensitivity 90 decibels SPL/W/m; impedance eight ohms. 10 3/8 x 24 1/4 x 11 1/8 in; 35.3 lb ea ..... \$699/pr

#### Camber 3.0ti 2-Way Speaker

Bass-reflex speaker with 8 3/8-in woofer and 3/4-in titanium-dome tweeter. Biwirable. Power handling 150 W cont; FR 50-20,000 Hz  $\pm$  2 dB; sens 90 dB SPL/W/m; imp 8 ohms ..... \$549/pr

#### Camber 2.0ti 2-Way Speaker

Bass-reflex speaker with 7 1/8-in woofer and 3/4-in titanium-dome tweeter. Biwirable. Power handling 125 W cont; FR 55-20,000 Hz  $\pm$  2 dB; sens 90 dB SPL/W/m; imp 8 ohms. 9 3/8 x 16 1/4 x 11 1/8 in; 22 lb ea ..... \$429/pr



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# SPEAKERS

## Camber 1.0ti 2-Way Speaker

Bass-reflex speaker with 6½-in woofer and ¼-in titanium-dome tweeter. Power handling 100 W cont; FR 60-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 8 ohms. 8¾ x 14¾ x 11¼ in; 17.6 lb ea ..... \$349/pr

## Camber 0.7ti 2-Way Speaker

Bass-reflex speaker with 6½-in woofer and ½-in ferrofluid-damped tweeter. Power handling 75 W cont; FR 65-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 8 ohms. 8¾ x 13¾ x 9¼ in; 15.4 lb ea ..... \$269/pr

## "Laser" Series

### Camber LS9 2-Way Speaker

Acoustic-suspension speaker with two 8¾-in woofer and ¼-in ferrofluid-damped, titanium-dome tweeter. Power handling 250 W cont; FR 38-22,000 Hz ± 2 dB; sens 91 dB SPL/W/m; imp 8 ohms. 9¼ x 36¾ x 11¼ in; 55 lb ea ..... \$599/pr

### Camber LS7 2-Way Speaker

Bass-reflex speaker with 8¾-in woofer and ¼-in ferrofluid-damped, titanium-dome tweeter. Power handling 200 W cont; FR 40-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 8 ohms. 9¼ x 24¾ x 11¼ in; 35.3 lb ea ..... \$399/pr

### Camber LS3 2-Way Speaker

Bass-reflex speaker with 6½-in woofer and ½-in ferrofluid-damped, titanium-dome tweeter. Power handling 100 W cont; FR 50-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 8 ohms. 8 x 16 x 9¼ in; 17.6 lb ea ..... \$249/pr

## "BSM" Series

### Camber Series 12 3-Way Speaker

Bass-reflex speaker with 12-in woofer, 4-in cone midrange, and 2-in cone tweeter. Power handling 200 W cont; FR 30-20,000 Hz; sens 95 dB SPL/W/m; imp 8 ohms. 15½ x 41¾ x 12¾ in; 38.8 lb ea ..... \$398/pr

### Camber Series 7 3-Way Speaker

Acoustic-suspension speaker with 12-in woofer, 4-in cone midrange, and 2-in cone tweeter. Power handling 200 W cont; FR 30-20,000 Hz; sens 94 dB SPL/W/m; imp 8 ohms. 11½ x 15½ x 12¾ in; 26.9 lb ea ..... \$278/pr

### Camber Series 4 3-Way Speaker

Acoustic-suspension speaker with 10-in woofer, 3-in cone midrange, and 2-in cone tweeter. Power handling 130 W cont; FR 40-20,000 Hz; sens 93 dB SPL/W/m; imp 8 ohms. 14¼ x 24¾ x 11 in; 17.9 lb ea ..... \$238/pr

### Camber Series 3 3-Way Speaker

Acoustic-suspension speaker with 8-in woofer, 3-in cone midrange, and 2-in cone tweeter. Power handling 100 W cont; FR 48-20,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms. 11½ x 24¾ x 9 in; 15 lb ea ..... \$198/pr

## CAMBRIDGE PHYSICS

### G-66 II 3-Way Speaker

Features two 8-in woofers, 3-in dome midrange, 1-in dome tweeter. FR 26-22,500 Hz; sens 92.5 dB; crossover points 450, 4,000 Hz. 18 x 44 x 12 in; 90 lb ea ..... \$1,000 ea

### G-33 II 2-Way Speaker

Features 10-in and 8-in woofers and 1-in dome tweeter. FR 36-22,500 Hz; sens 91 dB; imp 6 ohms; crossover point 1,500 Hz. 16 x 29½ x 9 in; 34 lb ea ..... \$525/pr

### G-II II 2-Way Speaker

Features 8-in woofer, 1-in dome tweeter. Pow-

er handling 100 W cont; FR 44-22,500 Hz; sens 90 dB; imp 6 ohms; crossover point 1,500 Hz. 12 x 19½ x 8½ in; 20 lb ea ..... \$400/pr

### G-7 II 2-Way Speaker

Features 6½-in woofer, ¼-in dome tweeter. Power handling 60 W cont; FR 60-20,000 Hz; sens 90 dB; imp 6 ohms; crossover point 2,500 Hz. 12 x 16 x 6 in; 15 lb ea ..... \$300/pr

## CAMBRIDGE SOUNDWORKS

The following products are available through mail order only.

### Model Eleven by Henry Kloss

Portable, 3-way powered component system featuring 3-channel 36-W integrated amplifier and pair of mid/high-frequency speakers. Carrying case acts as subwoofer cabinet when empty and closed. 12-volt car/lighter adaptor included. Optional rechargeable 3- and 6-hr batteries ..... \$749  
3-hr rechargeable batteries ..... \$69  
6-hr rechargeable batteries ..... \$99

### Ensemble by Henry Kloss

3-way subwoofer/satellite system consisting of 2 subwoofers and 2 satellites. Each satellite features 3½-in ferrofluid-cooled cone midrange (170 Hz to 2,300 Hz), and 1¼-in direct radiator with an integral ¾-in ferrofluid-cooled dome tweeter (2,300 Hz to 20,000 Hz); cabinet is high-density particle board finished in dark gray Nextel; metal grilles. Each low-frequency module features 8-in long-throw woofer; cabinet is made of high-density particleboard with internal bracing, and is finished in black high-pressure laminate with metal grilles. Nom imp 6 ohms; power range 25-100 W. Subwoofer: 12 x 21 x 4½ in. Satellite: 5½ x 8 x 4 in ..... \$599  
With utility cabinets ..... \$499

### Ambiance by Henry Kloss

Two-way acoustic-suspension speaker with 6½-in long-throw woofer and 1-in ferrofluid-cooled tweeter. Crossover point 1,800 Hz; sens 83 dB SPL/W/m; nom imp 8 ohms; min power 15 W/ch. Available in Nextel; solid oak; or primed for painting. 7 x 11 x 5½ in ..... \$109 ea  
Solid oak ..... \$129 ea

## CANTON

### Floor-Standing Speakers

#### Ergo 120 4-Way Speaker

Bass-reflex speaker features two 10-in woofers; 6¼-in midbass; cone midrange; 1-in aluminum/manganese-dome tweeter. Imp 4 ohms; FR 18-30,000 Hz; sens 94 dB SPL/W/m; crossover points 300, 3,500, 7,000 Hz. Black and white-ash, matte-mahogany, oak, or walnut finish. 13 x 51 x 17 in; 110 lb each ..... \$5,000/pr

**Ergo 100.** Same as Ergo 120, with two 9-in woofers; 6¼-in midbass. FR 24-30,000 Hz; sens 93 dB SPL/W/m; crossover points 300, 3,500 Hz. 11 x 45 x 14 in; 79 lb ..... \$3,500/pr

**Ergo 90.** Same as Ergo 120, with two 8-inch woofers; 6¼-in midbass. Frequency response 20-30,000 Hz; sensitivity 93 decibels SPL/W/m; crossover points 300, 3,500 Hz. 10 x 40 x 12 in; 50 lb ..... \$2,500/pr

**Ergo 80.** Same as Ergo 120, with 8-in woofer; 8-in midbass. FR 22-30,000 Hz; sens 92 dB SPL/W/m; crossover points 300, 3,500 Hz. 9 x 37 x 11 in; 42 lb ..... \$2,000/pr

#### Fonum 600 3-Way Speaker

Bass-reflex speaker features 9-in woofer, 1½-in fabric-dome midrange, and ¼-in fabric-dome tweeter. Black grille. Power handling 90/130 W; imp 4 ohms; FR 30-26,000 Hz; crossover points

900, 5,000 Hz. black finish. 10¼ x 31½ x 11 in ..... \$900/pr

### Bookshelf Speakers

#### Karat 980 3-Way Speaker

Bass-reflex speaker featuring 12-in woofer; 4¼-in cone midrange; 1-in aluminum/manganese-dome tweeter. Imp 4 ohms; FR 20-30,000 Hz; sens 94 dB SPL/W/m; crossover points 400, 4,000 Hz. Oak, walnut, mahogany, white, or black finish. 14 x 26 x 13 in; 46 lb ..... \$2,000/pr  
**Karat 960.** Same as Karat 980, with 10-in woofer. FR 24-30,000 Hz; sens 93 dB SPL/W/m; crossover points 450, 3,500 Hz. 12 x 23 x 12 in; 36 lb ..... \$1,500/pr  
**Karat 940.** Same as Karat 980, with 9-in woofer. FR 26-30,000 Hz; sens 92 dB SPL/W/m; crossover points 450, 3,500 Hz. 11 x 20 x 11 in; 29 lb ..... \$1,250/pr

#### Karat 930 2-Way Speaker

Bass-reflex speaker featuring 9-in woofer; 1-in aluminum/manganese-dome tweeter. Imp 4 ohms; FR 30-30,000 Hz; sens 92 dB SPL/W/m; crossover point at 2,800 Hz. Oak, walnut, mahogany, white or black finish. 10 x 17 x 10 in; 22 lb each ..... \$1,000/pr

#### Fonum 400 3-Way Speaker

Bass-reflex speaker featuring 9-in woofer, 1½-in fabric-dome midrange and ¼-in fabric-dome tweeter. Black grille. Power handling 70 W; Imp 8 ohms; FR 35-26,000 Hz; crossover points 900, 5,000 Hz. Black finish. 10¼ x 18¾ x 9¼ in ..... \$600/pr

#### Karat 920 2-Way Speaker

Bass-reflex speaker featuring 8-in woofer, 1-in aluminum/manganese-dome tweeter. Power handling 50 W cont; imp 4 ohms. FR 36-30,000 Hz; sens 91 dB SPL/W/m; crossover point 2,800 Hz. Oak, walnut, mahogany, white, or black finish. 9 x 13 x 10 in; 12 lb ..... \$750/pr

#### Fonum 300 2-Way Speaker

Bass-reflex speaker features 8-in woofer, 1-in fabric-dome tweeter. Black grille. Power handling 50/80 W; imp 8 ohms; FR 38-26,000 Hz; crossover point 2,500 Hz. Black finish. 8¾ x 13¾ x 7¾ in ..... \$450/pr  
**Fonum 250.** Same as Fonum 300, with 6-in woofer. FR 42-24,000 Hz. Black-vinyl finish. 7 x 12 x 8 in; 10 lb ea ..... \$300/pr

### In-Wall Speakers

#### InWall 9 2-Way Speaker

Features 9-in woofer and 1-in aluminum/manganese-dome tweeter. White grille. Power handling 80/110 W; imp 4 ohms. 10¼ x 3¼ x 10¼ in ..... \$600/pr  
Framing kit (for new construction) ..... \$30/pr

#### InWall 6 2-Way Speaker

Features 6-in woofer and ½-in aluminum/manganese-dome tweeter. White, brass, or chrome grille. Imp 8 ohms; FR 45-22,000 Hz; sens 89 dB SPL/W/m; crossover point 2,500 Hz. 7 x 3 x 7 in; 5 lb each ..... \$450/pr

#### InWall Sub Subwoofer

Features 9-in woofer with white, brass, or chrome grille. Imp 8 ohms; FR 25-150 Hz; sens 89 dB SPL/W/m; crossover point 150 Hz. 10 x 3 x 10 in; 7 lb each ..... \$350/pr

### Mini Speaker

#### GL 300 F 2-Way Speaker

Acoustically tuned for wall mounting. Features 1-in dome tweeter (fabric); long-throw 6¾-in cone woofer cone. Enclosure surfaces black or

# SPEAKERS

white; steel plate perforated grille; color to match enclosure; Permafix spring clamps; 5-m connecting cable; removable grille. imp 4 ohms; power handling 40/60 W; FR 48-30,000 Hz; crossover point 1,700 Hz; sens 87.3 dB SPL/W/m. 8 $\frac{3}{4}$  x 13 $\frac{3}{4}$  x 3 $\frac{1}{2}$  in; 7 lb, 11 oz ... \$500/pr  
With walnut finish ... \$550/pr

## GL 260 2-Way Speaker

6 $\frac{1}{2}$ -in woofer, 1-in dome tweeter. Features wall-mounting suitability; perforated metal grille. FR 42-30,000 Hz; crossover point 1,700 Hz; power handling 45/70 W; sens 87.3 dB SPL/W/m; imp 4 ohms. White or black finish. 7 $\frac{1}{2}$  x 10 $\frac{1}{2}$  x 4 $\frac{1}{4}$  in; 7 lb, 8 oz ... \$500/pr  
CF 70. Speaker stand for GL 260. ... \$250/pr  
Cantomount 1. L-shaped mounting bracket for GL 260 ... \$30/pr  
Cantomount 2. Ball-joint mounting bracket for GL 260 ... \$50/pr

## Plus S 2-Way Speaker

Suitable as satellite in connection with Canton Plus Beta and Plus C subwoofers. Features 4 $\frac{1}{2}$ -in cone woofer; 1-in dome tweeter; flush wall mount; removable grille. FR 45-30,000 Hz; power handling 40/70 W; sens 87.2 dB SPL/W/m; imp 4 ohms. Black, white, or brown finish. 4 $\frac{1}{4}$  x 8 x 4 in; 5 lb ... \$350/pr  
Walnut finish ... \$495/pr  
CF 70. Speaker stand for Plus S. ... \$250/pr  
Cantomount 2. Ball-joint mounting bracket for Plus S ... \$50/pr  
Cantomount 1. L-shaped mounting bracket for Plus S ... \$30/pr

## HC 100 2-Way Speaker

4 $\frac{1}{2}$ -in cone woofer, 1-in dome tweeter. Features Permafix spring clamps; 5-m connecting cable; one-point mounting fixture; removable grille. FR 48-30,000 Hz; power 35/60 W; imp 4 ohms; sens 87.2 dB SPL/W/m. Black, white, or bronze finish. 7 $\frac{1}{2}$  x 4 $\frac{1}{4}$  x 5 $\frac{1}{4}$  in; 4 lb ... \$290/pr

## Subwoofers

### Plus Beta Powered Subwoofer

Floor-standing biamplified woofer system containing amplification for satellites and subwoofer. Features 12 $\frac{1}{2}$ -in cone woofer; signal-correction circuit; thermal overload; short-circuit protection; bass-level control; adjustable crossover; adjustable input sens; auto on/off; terminals and switching for up to 4 satellite speakers. FR 20-70/90/120 Hz,  $\pm$  3 dB; output power 140 W; THD and <0.1%. Black, white, or walnut finish. 13 $\frac{1}{2}$  x 15 $\frac{1}{2}$  x 15 in; 42 lb ... \$2,000 ea

### Plus E Subwoofer

Acoustic-suspension speaker features 12-in woofer. Imp 4 ohms; FR 18-120 Hz; crossover point 120 Hz; sens 91 dB SPL/W/m. Black, white, or walnut finish. 14 x 22 x 14 in; 60 lb ea ... \$900 ea

### Plus C Subwoofer

Compact passive 12-in-cone subwoofer. FR 22-120 Hz; power handling 75(2x) W; sens 89.9 dB SPL/W/m; imp 4 ohms. Black, white, or walnut finish. 14 $\frac{1}{4}$  x 13 $\frac{3}{4}$  x 13 $\frac{3}{4}$  in; 26.25 lb ... \$600 ea

## CARRERA

### CSP-230 Subwoofer/Satellite System

3 $\frac{1}{2}$ -in woofer, 2-in tweeter in magnetically shielded satellite enclosures. Power handling 15-75 W; frequency response 140-20,000 Hz; sensitivity 89 dB W/m; imp 8 ohms. 4 $\frac{1}{2}$  x 8 $\frac{1}{4}$  x 4 $\frac{1}{2}$  in, 2 $\frac{1}{2}$  lb. Bass module contains 8-in woofer. Power handling 25-125 W; frequency response 28-150 Hz. 5 $\frac{1}{4}$  x 12 $\frac{1}{4}$  x 10 $\frac{1}{2}$  in, 15.2 lb. ... \$500

## CARVER

### The Amazing Loudspeaker, Platinum Edition

1 $\frac{1}{2}$ -in-thick planar speaker with 60-in full-range ribbon driver and integral subwoofer section consisting of 4 long-throw 12-in cone woofers. FR 23-40,000 Hz -3 dB; sens 89 dB; max SPL 121 dBA; power handling 800 W. Available in piano-lacquer black and oak finishes. 30 x 66 x 10 in (at base); 110 lb ea ... \$2,200/pr

### The Amazing Loudspeaker, Silver Edition

1 $\frac{1}{2}$ -in-thick planar speaker with 40-in full-range ribbon driver and integral subwoofer section consisting of 3 long-throw 12-in-cone woofers. FR 23-40,000 Hz -3 dB; sens 89 dB; max SPL 119 dBA; power handling 600 W. Available in piano-lacquer black and oak finishes. 22 x 54 x 10 in (at base); 75 lb ea ... \$1,800/pr

## CDE

### Colossus Satellite/Subwoofer System

Infinite-baffle system with ported subwoofer; two 8-in and six 10-in woofers, 6 $\frac{1}{2}$ -in cone midrange, 1-in dome tweeter. FR 15-32,000 Hz; sens 91 dB; power 50 W. Four pieces; black-lacquer finish; black knit grille. ... \$55,000/sys

### Reference Satellite/Subwoofer System

Infinite-baffle system with ported subwoofer; two 10-in woofers, two 6 $\frac{1}{2}$ -in cone midranges, 1-in dome tweeter. FR 20-32,000 Hz; sens 90 dB; power 50 W. Four pieces; black-lacquer finish; black knit grille. ... \$35,000/sys

### Mini Tower/Subwoofer System

Infinite-baffle system with ported 8-in woofers, 6 $\frac{1}{2}$ -in cone midrange, 1-in dome tweeter. FR 22-32,000 Hz; sens 91 dB; power 40 W. Four pieces; black-lacquer finish; black knit grille. ... \$4,800/sys

### Tower I 3-Way Speaker

Passive radiator with 8-in woofer, 6 $\frac{1}{2}$ -in cone midrange, 1-in dome tweeter. FR 40-20,000 Hz; sens 91 dB; power 20 W. 8 x 37 x 12 in; black-lacquer finish; black knit grille. ... \$2,700/pr

### Mini Monitor V 2-Way Speaker

Infinite-baffle speaker with 6 $\frac{1}{2}$ -in woofer, 1-in dome tweeter. FR 60-32,000 Hz; sens 88 dB; power 20 W. 15 x 6 x 9 in; teak-lacquer finish; black knit grille. ... \$950/pr

### Mini Monitor IV 2-Way Speaker

Infinite-baffle speaker with 6 $\frac{1}{2}$ -in woofer, 1-in dome tweeter. FR 60-20,000 Hz; sens 90 dB; power 20 W. 7 x 11 x 9 in; teak-lacquer finish; black knit grille. ... \$650/pr

## CELESTION

### SL700 2-Way Speaker

Sealed-box speaker with metal-dome tweeter and 2-part roll woofer surround. Features braced Aerolam cabinet of 12-liter volume. Power handling 120 W. With integral stand ... \$3,299/pr

### Celestion 7000 3-Way Speaker

Floor standing system with 8-in polyolefin woofer, 8-in polyolefin midbass, and patented ribbon midrange/tweeter. Cabinet has three separate, figure 8 braced, chambers for bass, bass/low midrange and ribbon. Bass system uses TBI alignment technique. ... \$3,199/pr

### System 6000 Subwoofer

Double dipole low-frequency array with two 12-in long-throw woofers in each of 2 systems. Features electronic section with crossover and eq; variable gain controls. ... \$2,999/sys

### Celestion 5000 2-Way Speaker

Stand mounted speaker features 8-in polyolefin woofer and patented ribbon/midrange tweeter. Uses separate chambers for bass and ribbon unit with twin figure-8 cabinet braces. Walnut-veneer finish ... \$2,099/pr  
Celestion 3000. As above with black-wood-effect finish ... \$1,799/pr

### SL600 Si 2-Way Speaker

Speaker with metal-dome tweeter and 6-in plastic woofer. Features cabinet with Aerolam, an aluminum honeycomb construction. ... \$1,999/pr

### SL12 Si 3-Way Speaker

Speaker with metal-dome tweeter, 6-in bass/midrange, 6-in woofer. Features cabinet with figure-8 bracing; woofers with separate enclosures. ... \$1,599/pr

### SL6 Si 2-Way Speaker

Speaker with one piece metal-dome tweeter and 6-in plastic woofer. Features figure-8 bracing in bass cabinet and fully locked rear panel; gold-plated connectors. ... \$999/pr

### DL12 Series 2 2-Way Speaker

Floor-standing speaker with two 8-in woofers and 1-in pure-titanium tweeter. Features transfer bass-loading enclosure. ... \$899/pr

### DL8 Series 2 2-Way Speaker

Sealed-cabinet design with 8-in celoprene-cone woofer and 1-in metal tweeter. Uses a figure-8 cabinet bracing. Available in simulated American walnut or black finish. ... \$569/pr

### DL6 Series 2 2-Way Speaker

Sealed-box design with 8-in woofer and 1-in metal-dome tweeter. Available in simulated American walnut and black finish. ... \$449/pr

### Celestion 5 2-Way Bookshelf Speaker

Features 6-in woofer and 1-in pure-titanium tweeter. Designed for use near wall. ... \$400/pr

### DL4 Series 2 2-Way Bookshelf Speaker

Sealed-box design with 6-in woofer and 1-in metal-dome tweeter. ... \$359/pr

### Celestion 3 2-Way Bookshelf Speaker

Features 5-in woofer and 1-in pure-titanium tweeter. Designed for use near wall. ... \$280/pr

## CELLO

### Amati 3-Way Speaker

Compact speaker for wall, shelf, or stand mounting. Features four tweeters, four midranges, and one woofer housed in a braced cabinet; tweeter, midrange, and woofer crossovers are separate for tri-wiring, but can be bussed together for 2-wire connection. Sens 90 dB at 2.83 V; imp 4 ohms, 2 ohms above 5,000 Hz. Oak finish. 20 x 27 x 10 in. ... \$8,000/pr

## CERCA

All Cerca speakers are omnidirectional, are housed in ceramic vase enclosures, and feature a 5-year warranty on all electronic components.

### Victoria 200 3-Way Speaker

Floor-standing speaker with 8-inch Cobex woofer, 5-inch polypropylene midrange, and 1-inch metal-dome tweeter. Features biampable gold-plated binding posts; twelve-element hard-wired crossover. Power range 20-220 W; frequency response 36-20,000 Hz  $\pm$  3 dB; sensitivity 86 decibels SPL/W/m; crossover points 400 and 2,500 Hz. Antique finish with gray or brown glaze. 35 $\frac{1}{4}$  x 13 $\frac{1}{4}$  in; 33 lb. ... \$3,500/pr

# SPEAKERS

## Victoria 120 3-Way Speaker

Floor-standing speaker with 6½-in cobex woofer, 5-in polypropylene midrange, and 1-in metal-dome tweeter. Features biampable, gold-plated binding posts; 12 element hard-wired crossover. Power range 20-180 W; frequency response 41-20,000 Hz ± 3 dB; sensitivity 86 dB SPL/W/m; crossover points 500 and 2,500 Hz. Antique finish with gray or brown glaze. 12½ x 33½ in; 22 lb ..... \$2,500/pr

## Classic 120 3-Way Speaker

Floor-standing speaker with 6½-in cobex woofer, 5-in polypropylene midrange, 1-in metal-dome tweeter. Features biampable, gold-plated binding posts; 12 element hard-wired crossover. Power range 20-180 W; FR 42-20,000 Hz ± 3 dB; sens 86 dB SPL/W/m; crossover points 500 and 2,500 Hz. Lead-free glazes in black, gray, and silky white. 34½ x 13½ in; 28 lb ..... \$2,500/pr

## Hi-150 Subwoofer/Satellite System

System includes Hi-150 subwoofer and Hi-150 satellite. Power range 20-220 W; FR 34-20,000 Hz; sens 86 dB SPL/W/m; crossover points 500 and 2,500 Hz ..... \$1,000/sys

## Hi-150 Subwoofer

Subwoofer with two 10-in polypropylene woofers in one enclosure. Crossover frequency 500 Hz. 18 x 14¼ in ..... \$600 ea

## Hi-150 2-Way Speaker

Features 5-in polypropylene midrange and 1-in metal-dome tweeter. FR 500-20,000 Hz. 12½ x 11 in ..... \$400/pr

## CERWIN-VEGA

### Digital Series

#### D-9 3-Way Speaker

3-way, 4-driver, floor-standing speaker with 15-in woofer, dual 6-in midranges and 1-in tweeter. Features Helmholtz/Thiele enclosure fabricated from high-density pressed board with woodgrain vinyl finish and brown stretch grille. Power range 5-350 W; FR 29-20,000 Hz; sens 101 dB; imp 4 ohms; crossover frequencies 500 and 3,500 Hz; 18 x 35½ x 17¼ in; 85 lb .. \$1,050/pr

#### Q-1 2-Way Speaker

2-way Horn-flex cabinet. 1-in polyfoam diaphragm tweeter and 10 in woofer. FR: 30-20,000 Hz ± 2 dB; max power handling 400 W; sens 100 dB/W/m; imp 4 ohms; walnut veneer with black grille ..... \$799

#### D-5 3-Way Speaker

Floor/shelf 3-way speaker with 12-in woofer, 6-in cone midrange, 1-in horn tweeter. Features circuit protection; tweeter-level controls. Max power 150 W; FR 32-20,000 Hz ± 3 dB; crossovers 700 and 3,500 Hz; sens 96 dB SPL/W/m; imp 8 ohms ..... \$660/pr

#### D-3 3-Way Speaker

3-way shelf speaker with 10-in woofer, 6-in cone midrange, 1-in horn tweeter. Features circuit protection; midrange, tweeter-level controls; FR 30-20,000 Hz ± 3 dB; crossovers 700 and 3.5 kHz; sens 94 dB SPL/W/m; imp 8 ohms; finished in hickory woodgrain vinyl w/brown stretch cloth grille ..... \$580/pr

#### D-2 2-Way Speaker

2-way speaker system with 10-in woofer in a cast-aluminum frame and 1-in voice-coil horn. Features high-frequency protection circuit breaker; direct-radiating vented enclosure. Power handling 5-125 W; FR 30-20,000 Hz; sens 94 dB; imp 8 ohms; crossover frequency 3,000

Hz. Woodgrain vinyl finish with brown stretch cloth grille. 14 x 23½ x 10 in; 38 lb .... \$440/pr

#### D-1 2-Way Speaker

2-way system with an 8-in woofer and 1-in voice-coil high-frequency horn. Features resettable high-frequency-protection circuit breaker; vented cabinet; FR 30-20,000 Hz; power min/max 5/100 W; sens 92 dB W/m; 8 ohms imp; crossover frequency 3,000 Hz; hickory woodgrain vinyl with cloth grille. 11 x 20 x 10 in; 49 lb/pr ..... \$340/pr

#### SW-12B Subwoofer

Vented direct-radiating subwoofer compatible with most 4/8 ohm speakers. Features 12-in floor-facing woofer built on a diecast aluminum frame with 7 lb magnet. Power range 5-125 W; sens 92 dB W/m. Woodgrain vinyl finish. 13¼ x 25½ x 16¼ in; 48 lb ..... \$320 ea

### AT Series

#### AT-15 3-Way Speaker

3-way bass-reflex speaker includes two-five protection. Features 15-in woofer; 2 5-in midranges; dome tweeter. Power 5-400 W; sens 102 dB SPL/W/m; imp 4 ohms; 19 x 36½ x 18½ in; 85 lb ..... \$1,080/pr

#### AT-12 3-Way Speaker

Similar to AT-15 with 12-in woofer; one 5-in midrange. Power handling 5-200 W; sens 97 dB W/m; imp 6 ohms; 16 x 30 x 14 in; 55 lb \$690/pr

#### AT-10 3-Way Speaker

Similar to AT-12 with 10-in woofer; internal self-resetting circuit breaker. Power handling 5-150 W; sens 95 dB; imp 6 ohms. 14 x 28½ x 13½ in; 40 lb ..... \$620/pr

#### Sat-6 Subwoofer/Satellite System

6½-in 2-way satellites, with 10-in dual voice-coil bass driver. CT3 dome tweeter; 6½-in cone midrange. Power handling 200 W; FR 40-20,000 Hz; sens 96 dB; imp 8 ohms. Woodgrain vinyl, fabric grilles. Satellites 9½ x 12¼ x 8½ in; woofer 17 x 17 x 17 in ..... \$599 ea

#### AT-8 2-Way Speaker

2-way version of above with 8-in woofer, dome tweeter. Power handling 5-100 W; sens 94 dB; imp 6 ohms. 12 x 21 x 10 in; 26 lb .... \$410/pr

### SE Series

#### 380SE 3-Way Speaker

Floor-standing bass-reflex speaker with 15-in cone woofer. Features two 7-in cone midranges; 1-in VC elliptical tweeter. Power handling 5-405 W; FR 29-20,000 Hz ± 3 dB; sens 102 dB SPL/W/m; imp 4 ohms. Finished in black vinyl. 17½ x 36 x 19½ in; 90 lb ..... \$1,080/pr

#### 300SE 3-Way Speaker

Floor-standing bass-reflex speaker with 12-in cone woofer. Features 7-in cone midrange; 1-in VC horn-loaded elliptical-dome tweeter. Power handling 5-255 W; FR 25-20,000 Hz ± 3 dB; sens 98 dB SPL/W/m; imp 6 ohms. Finished in black vinyl. 14½ x 32 x 16¼ in; 65 lb ..... \$900/pr

#### 280SE 3-Way Speaker

Floor-standing bass-reflex speaker with 12-in cone woofer. Features 6-in cone midrange; 1-in VC horn-loaded elliptical-dome tweeter. Power handling 5-155 W; FR 32-20,000 Hz ± 3 dB; sens 96 dB SPL/W/m; imp 6 ohms. Finished in black vinyl. 14½ x 25½ x 11½ in; 45 lb ..... \$690/pr

#### 250SE 3-Way Speaker

Floor-standing bass-reflex passive speaker with 10-in cone woofer. Features Helmholtz

Thiele enclosure with sound-absorbent baffle; circuit-breaker protection; 6-in cone midrange; 1-in VC horn-loaded elliptical-dome tweeter. Power handling 5-125 W; FR 32-20,000 Hz ± 3 dB; sens 95 dB SPL/W/m; imp 6 ohms; Black vinyl. 12½ x 28 x 11½ in; 41 lb ..... \$600/pr

#### 200SE 2-Way Bookshelf Speaker

8-in woofer; 1-in tweeter; vented design. Power handling 5-100 W; FR 32-20,000 Hz ± 3 dB; imp 6 ohms. 10½ x 22 x 12¼ in ..... \$410/pr

## CHAPMAN SOUND

#### T9 4-Way Speaker

Air-suspension speaker in standard biwired, biampable configuration. Features two 10-in poly laminate cone woofers, 7-in cone midrange, 5-in poly laminate midrange, and 1-in dome tweeter. FR 25-20,000 Hz ± 3 dB; min power 50 W rms; max power 500 W rms; sens 88 dB SPL/W/m; imp 2 ohms. Oak finish. 22 x 45 x 14 in; 150 lbs ea ..... \$2,695/pr

#### T7 3-Way Speaker

Modified dual-port transmission line design. Features 10-in poly laminate fiber cone woofer; 7-in fiber-composite midrange; 1-in ferrofluid damped dome tweeter. FR 28-20,000 Hz ± 3 dB; power handling 50-250 W/ch; sens 89 dB SPL/W/m; imp 4 ohms; crossover 150 Hz at 6 dB/oct, 3,250 Hz at 18 dB/oct. Oak finish, black grill. 13 x 44 x 10 in. 80 lbs. .... \$1,495/pr

## CICENA

#### Billie Jean 2-Way Bookshelf Speaker

Features internal neon tubes which can be lit constantly, flash with the music, or turned off. Power handling 60 W cont; FR 80-15,000 Hz; imp 8 ohms. 8½ x 17 x 5 in ..... \$349/pr

#### Cleo 2-Way Bookshelf Speaker

Pyramid speaker features two neon tubes which can be lit constantly, flash with the music, or turned off. Power handling 60 W cont; FR 80-15,000 Hz; imp 8 ohms. 12 x 15 x 9½ in ..... \$349/pr

## CITIZEN

#### 3D System Powered Speaker

Two remote speakers and a subwoofer. 20 W/ch ..... \$155

#### SSP 303A Powered Speaker

3-in speakers. 5 W/ch ..... \$75

#### ASP 777

3-in speakers available in white or black. 2½ W/ch ..... \$60

## CLEMENTS

#### Reference RT-7 2-Way Speaker

Compression-line bass-loaded speaker featuring 8-in polypropylene cone woofer with Kapton voice coil and diaphragm, 7-in direct-inductance planar-ribbon midrange/tweeter. Frequency-tilt control. Power handling 20-200 W/ch; FR 26-40,000 Hz ± 3 dB; sens 88 dB/W/m; imp 6.5 ohms; crossover point 1,575 Hz. Rosewood finish. Adjustable spiked feet included. 10½ x 45½ x 19 in ..... \$3,000  
Zebrawood ..... \$2,900  
Mahogany ..... \$2,800  
Oak, black lacquer, walnut finish. .... \$2,595.00  
RB-8.0 Mark II. As above, power handling 30-200 W/ch; FR 26-40,000 Hz. Optional biamp version. Walnut finish, adjustable spiked feet included. 13½ x 35½ x 13 in ..... \$1,650/pr  
Oak veneer, black oak ..... \$1,600/pr  
RB-6.5 Mark II. As above, with 6½-in polypro-

# SPEAKERS

pylene-cone woofer. FR 36-40,000 Hz  $\pm$  3 dB; sens 90 dB/W/m; power handling 20-150 W; imp 6.5 ohm. 13½ x 24½ x 13¼ in ..... \$1,250/pr  
Oak or black oak ..... \$1,200  
RB Stand. RB models; heavy-gauge metal, sand fillable. .... \$140/pr

## Little "d" Wood 2-Way Speaker

Compression-line bass-loaded speaker system with 5½-in polypropylene-cone woofer, 5-in direct-inductance planar-ribbon midrange/tweeter. 3rd-order woofer slope. FR 42-40,000 Hz  $\pm$  3 dB; sens 87 dB SPL/W/m; imp 6 ohms; power handling 20-100 W; crossover point 2,400 Hz. Oak or black finish. 8 x 17 x 11½ in ..... \$995/pr  
Little "d". As above, with black, white, gray, or red finish. 7 x 16 x 10 in ..... \$795/pr  
Little "d" stand. For all "d" models; heavy-gauge metal, sand fillable ..... \$160/pr



Clements Reference RT-7

## CREEK AUDIO BY MUSIC HALL

### LS50 2-Way Speaker

Reflex front-ported speaker featuring 8-in visco-elastic damped pulp-cone with 1¼-in high-temperature voice coil, vented magnet, and ½-in textile soft-dome tweeter. 2nd-order crossover. Power handling 75 W cont; sens 89 dB SPL/W/m. 9½ x 18½ x 8¾ in ..... \$500/pr  
Matching stands ..... \$165/pr

### CSI

### MDM-TA3 3-Way Speaker

Time-align 3-way, dual-woofer monitor, ported. Features switches for different settings used to monitor original recordings and final product; switch and fuse plate for bass, midrange, and treble drivers. Power handling 100 W/ch min; sens 82 dB; FR 45-20,000 Hz  $\pm$  3 dB. 16 x 19 x 11¼ in ..... \$1,590/pr

### MDM-TA2 2-Way Speaker

Time-aligned and ported. Features program/position switch which allows upper range response to be adjusted; polarity switch. Power handling 100 W/ch min; sens 78 dB; FR 60-20,000 Hz  $\pm$  3 dB. 11¼ x 16 x 9¼ in ..... \$1,290/pr

### MDM-4 Speaker

Dual woofer, ported design with high-pass filter. Power handling 100 W/ch min; FR 60-17,000

Hz  $\pm$  3 dB; sens 80 dB; imp 8 ohm. Rosewood laminate; aluminum trim; brown grille; 13 x 19 x 9¼ in ..... \$1,190/pr

## DAHLQUIST

### DQ-20 3-Way Speaker

Vertical-phase-array design intended for floor placement with 10-in cone woofer, 8-in cone midrange, ¾-in dome tweeter. Min power 70 W rms; imp 4 ohms. Oak with black or white grille ..... \$2,000/pr

### DQ-12 3-Way Speaker

Vertical-phase-array design with long-throw 8-in woofer, 5-in cone midrange, and 1-in aligned-fiber dome tweeter. Woofer operates in sealed enclosure and midrange operating in aperiodic cylinder. Min power 40 W rms; imp 8 ohms. Black grille ..... \$1,200/pr

### DQ-8 2-Way Speaker

Vertical-phase-array design with long-throw 8-in woofer, and 1-in aligned-fiber dome tweeter. Woofer operates in vented enclosure and tweeter is mounted on separate time-aligned baffle. Min power 30 W rms; imp 8 ohms. Black with black knit grille ..... \$850/pr

### M Series

### M-909 3-Way Speaker

Floor-standing speaker with dual cast-frame woofer, 5-in midrange, and 1-in dome tweeter. Features quasi-phase-array design; genuine wood enclosure, spaced grill with solid-wood trim, flocked antidiffraction baffle. Sens 92 dB; power handling 20-250 W; FR 30-24,000 Hz. 13½ x 39½ x 10¼ in ..... \$1,500/pr

### M-907 3-Way Speaker

Acoustic-suspension speaker with 10-in woofer, 5-in midrange, 1-in dome tweeter in a damped enclosure. Sens 88 dB; power handling 40-150 W; FR 30-24,000 Hz. Genuine walnut enclosure, spaced grille with solid-walnut trim. 14½ x 28 x 12½ in ..... \$1,000/pr

### M-905 2-Way Speaker

Front-firing tuned-port speaker with cast frame 8-in woofer and 1-in dome tweeter. Power handling 20 W min to 125 W max; sens 91 dB; imp 8 ohm. Genuine walnut or oak enclosure, spaced grille with solid-walnut trim. 13½ x 24 x 12 in ..... \$680/pr

### M-905L 2-Way Speaker

Front-firing tuned-port speaker with cast-frame 8-in woofer and 1-in dome-tweeter. Power range 20 W min to 125 W max; sens 91 dB; imp 8 ohms. Black woodgrain-laminate enclosure with grille. 13½ x 24 x 12 in ..... \$580/pr

### M-903 2-Way Speaker

Front-firing tuned-port with 6½-in cast-frame woofer; 1-in dome tweeter. Features 5-way binding posts; accepts banana plugs. Power handling 20-70 W; FR 48-24,000 Hz; sens 90 dB; imp 8 ohms. Available in black- or oak-wood-grain laminate. 8½ x 17 x 10 in; 16 lb ea .. \$450

### Accessories

### ST-9 Speaker Stand

Nonresonant floor stand for Dahlquist M series speakers; provides rigid mounting, 3.5° upward tilt; matte black finish; capacity 100 lb. 11¼ x 14 x 12 in; 7.5 lb ..... \$100/pr

## DANA AUDIO

### Model 1 2-Way Bookshelf Speaker

Acoustic-suspension speaker with 6½-in woofer,

er, ¾-in titanium tweeter. Features gold binding posts. Power handling 100 W; FR 63-20,000 Hz  $\pm$  3 dB; imp 8 ohms; crossover 3,150 Hz. High-density fiber wood finished in black, scratch-resistant vinyl. 3-year warranty. 8¾ x 14¼ x 7½ in ..... \$179/pr

## DCM

### Time Window 3

Folded transmission-line speaker with 8-in cone woofer, 6½-in cone midrange, and two ¾-in soft-plastic-dome tweeters. Features time-coherent point-source configuration for more accurate off-axis sound reproduction. Adjustable high-and middle-frequency output, narrow/wide image control; utilizes acoustic anti-diffraction lenses. FR 24-20,000 Hz; Power handling 10-500 W; sens 90 dB; imp 8 ohms. Dark oak with brown grille. 16¼ x 39¼ x 12¾-in; 45 lb ..... \$1,499/pr

### Time Frame TF1000 3-Way Speaker

Tapered transmission-line speaker with 8-in woofer, 4-in midrange, ¾-in soft-plastic-dome tweeter. Features acoustic antidiffraction lens. Power handling 10-300 W; 8 ohm imp; sens 91 dB. 19½ x 49 x 8 in; 49 lb ..... \$1,099/pr

### Time Window 1A Speaker

Hybrid transmission-line speaker intended for floor placement; two 6½-in cone woofers with acoustic lens; two ¾-in soft-plastic-dome tweeters with acoustic lens. Features wide-angle sound distribution; pinpoint imaging properties; cylindrical back and triangular-prism front; optimized for min time-dispersion error. Power handling 10-200 W; sens 91 dB; imp 8 ohms; dark oak with brown grille. 15 x 36 x 11¼ in; 32 lb ..... \$949/pr

### TimeFrame TF600 3-Way Speaker

Floor-standing speaker with 6½-in polypropylene midbass coaxially mounted ¾-in dome tweeter with acoustic lens for point-source imaging. 6½-in woofer, 2 rear-firing ¾-in dome tweeters. Staggered transmission-line enclosure terminates in one rear vent. FR 30-20,000 Hz; power handling 10-250 W; sens 92dB; imp 6 ohms. Dark oak with brown grille. 17 x 41 x 8¼ in, 47 lb ..... \$699/pr.

### Time Frame TF350 2-Way Speaker

Floor-standing transmission-line speaker with 6½-in magnetically-shielded cone woofer and ¾-in dome tweeter. Features antidiffraction lens. Frequency response 42-20,000 Hz; power handling 10-100 watts rms; sensitivity 89 dB; impedance 8 ohms. Dark oak with brown fabric grille. 15 x 37 x 7 in; 31 lb ..... \$499/pr

### CX-27 3-Way Speaker

Floor-standing speaker with transmission-line enclosure. 6½-in midbass with coaxially mounted ¾-in dome tweeter, acoustic lens for point source imaging. 6½-in woofer, two rear firing ports. FR 35-20,000; power handling 10-150 W; sens 93 dB; imp 6 ohms. 10 x 27 x 11 in, 25 lb ..... \$499/pr

### TripleTime 3-Piece System

Two HalfTime satellites with bass module. Dual voice coil, 6½-in woofer dual in transmission-line cabinet. Frequency response 48-20,000 Hz; power range 20-100 watts; sensitivity 91 dB; impedance 8 ohms. 8 x 17¼ x 8 in, 47 lb/system ..... \$429/sys

### FullTime Bass System

Two transmission-line cabinets each with one 6½-in woofer. Power handling 50-150 W; FR 50-150 Hz; imp 8 ohms; sens 91 dB. 10¼ x 30¼ x 10¼ in; 19 lb ea ..... \$429/pr

# SPEAKERS

## Time Frame TF275 2-Way Speaker

Floor-standing speaker with 6½-in cone woofer and coaxially mounted ¾-in dome tweeter. FR 50-20,000 Hz  $\pm$  3 dB; power handling 10-50 W; sens 91 dB SPL/W/m; imp 8 ohms. Dark oak with dark brown grille. 13 x 34 x 6 in. \$399/pr

## CX-17 2-Way Speaker

Bookshelf speaker with transmission-line enclosure. 6½-in woofer with coaxially mounted ¾-in dome tweeter; acoustic lens for point-source imaging, rear firing port. FR 45-20,000 Hz; power handling 10-100 W; sens 92 dB; imp 8 ohms. 9 x 17 x 10 in, 15 lb. \$349/pr

## TimePiece 2-Way Speaker

Bookshelf speaker with 6½-in cone woofer and ¾-in dome tweeter. Power handling 15-100 W; FR 60-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Dark oak with brown grille. 7¼ x 16 x 7¼ in; 12.5 lb ea. \$299/pr

## HalfTime 2-Way Speaker

Bookshelf acoustic-suspension speaker with 6½-in woofer and ¾-in dome tweeter. Features anti-diffraction lens. FR 90-20,000 Hz; sens 90 dB SPL/W/m; power handling 10-80 W; imp 8 ohms. 8 x 9¼ x 8 in, 9 lb. \$249/pr

## DEFINITIVE TECHNOLOGY

### BP-10 2-Way Speaker

Bipolar radiating speaker with two 6½-in mineral-filled cast-basket midranges, two 1-in dual-chamber dome tweeters. Features aluminum voice coil; ferrofluid-cooled tweeters; Linkwitz-Riley crossover design. Black grille cloth with real-wood or black-lacquer finish. Five-year parts-and-labor warranty. FR 20-28,000 Hz; imp 6 ohms. 9 x 42 x 11½ in. \$550

## DENNESEN ELECTROSTATICS

### Dennesen Class A 3-Way Speaker

Floor-standing slot-loaded bass module/electrostatics hybrid speaker with 10-in downward firing woofer; 6½-in midrange; four 3-in electrostatic tweeters. Phase corrected and time aligned. Power handling 200 W cont; FR 25-35,000 Hz  $\pm$  2.5 dB; sens 90 dB SPL/W/m; imp 8 ohms. Oiled walnut finish. 14 x 54 x 12 in; 80 lb. \$3,500/pr  
Electronic crossover for biamping. \$375

### Dennesen Class B 2-Way Speaker

Floor-standing, electrostatic hybrid speaker with 6½-in woofer/mid; four 3-in electrostatic tweeters. Power handling 200 W cont; FR 35-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. Oil walnut finish. 14 x 48 x 8 in; 60 lb. \$1,600/pr

### Dennesen 2-Way Bookshelf Speaker

Acoustic-suspension, electrostatic hybrid speaker with 5-in woofer/midrange and three 3-in electrostatic tweeters. Phase corrected and time aligned. Power handling 100 W cont; FR 55-20,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms. Oiled walnut finish. 10 x 16 x 9 in; 20 lb. \$950/pr

## DESIGN ACOUSTICS

### Point Source Series

#### PS-3 Subwoofer/Satellite System

2 oak-veneer satellites and slot-loaded bass module. Satellite has ¾-in polycarbonate-dome tweeter and 3½-in midrange. Bass module has two downfiring 6½-in high-compliance, long-throw woofers. Crossovers in each cabinet with frequencies at 200 and 3,000 Hz. Sens 88 dB SPL/W/m; FR 50-20,000 Hz; power handling 20-100 W. \$600/sys

#### PS-10A 3-Way Speaker

Acoustic-suspension speaker with downfiring 10-in long-throw woofer, 5¼-in midwoofer, 1-in ferrofluid-cooled soft-dome tweeter. Acoustically treated baffle; crossover points 200 Hz and 2,800 Hz; sens 91 dB; FR 45-22,000 Hz; power handling 15-300W. \$600/pr

#### PS-9 3-Way Speaker

Acoustic-suspension speaker with downfiring 8-in long-throw woofer, 5¼-in midwoofer, ¾-in ferrofluid-cooled soft-dome tweeter. Acoustically-treated baffle; crossover points 200 and 3,000 Hz; sens 90 dB; FR 47-20,000 Hz; power handling 15-250 W. \$500/pr

#### PS-8C 2-Way Speaker

Acoustic-suspension speaker with 8-in woofer, 1-in ferrofluid-cooled soft-dome tweeter. Acoustically treated baffle; crossover point 2,800 Hz; sens 90 dB; FR 50-20,000 Hz; power handling 15-200 W. \$380/pr

#### PS-6A 2-Way Speaker

Acoustic-suspension speaker with 6½-in woofer and ¾-in ferrofluid-cooled soft-dome tweeter. Shielded for video use. Acoustically treated baffle; crossover point 3,000 Hz; sensitivity 88 dB; frequency response 55-20,000 Hz; power handling 10-100 W. \$280/pr

#### PS-55 2-Way Speaker

Bass-reflex speaker with 5¼-in woofer and ¾-in ferrofluid-cooled soft-dome tweeter. Tuned rear port; crossover point 4,000 Hz; sensitivity 88 dB; FR 65-20,000 Hz; power handling 10-75 W. \$220/pr

## DESKTOP

#### DLS-3x Intimate Satellite/Subwoofer System

4-piece system consisting of 2 DM-3x satellites with 3¼-in cone woofer, ¾-in titanium tweeter, ¼-in supertweeter; 2 subwoofer modules with four 7-in drivers and four 8-in passive radiators. Power handling 20-200 W; FR 18-35,000 Hz  $\pm$  3 dB; sens 87.5 dB SPL/W/m; imp 4 ohms. Black or walnut finish. \$2,399/sys

#### DLS-2B Intimate Satellite/Subwoofer System

4-piece system consisting of 2 DM-1 satellites with 3¼-in cone woofer, ¾-in dome tweeter; 2 BMW-2 subwoofer modules with 6½-in cone driver and two 8-in passive radiators. Power handling 20-250 W; FR 39-19,000 Hz  $\pm$  3 dB; sens 87 dB SPL/W/m; imp 4.6 ohms. Black or walnut finish. Satellites 7½ x 4½ x 3½ in; subs 10 x 12½ x 8½ in; 38 lb. \$899/sys

#### DLS-1 Euro Royale Satellite/Subwoofer System

3-piece system, 2 DM-1 satellites with 3¼-in cone woofers, ¾-in dome tweeter; 1 small BMW-1 subwoofer with two 6½-in cone drivers. Utilizes gold Tiffany connectors (4 prs). Power handling 20-175 W; FR 47-18,000 Hz  $\pm$  3 dB; sens 86 dB SPL/W/m; imp 4.6 ohms. Rose gold finish. Satellites 7½ x 4 x 3 in; subwoofer 5½ x 16 x 8 in; 29 lb ea. \$799/sys

#### DLS-1B Intimate Satellite/Subwoofer System

3-piece system, 2 DM-1 satellites with 3¼-in cone woofer, ¾-in dome tweeter; 1 small BMW-1 subwoofer with two 6½-in cone drivers. Power handling 20-175 W; FR 47-18,000 Hz  $\pm$  3 dB; sens 86 dB SPL/W/m; imp 4.6 ohms. Walnut, golden oak, or black finish; satellites 7½ x 4½ x 3½ in; subwoofer 5½ x 16 x 8 in; 28 lb. \$649/sys

#### BMW-2 Intimate Subwoofer

Floor-standing subwoofer with 6½-in cone driver, two 8-in passive radiators. Power handling 20-150 W; FR 39-175 Hz  $\pm$  3 dB; sens 86

dB SPL/W/m; imp 5 ohms. Black finish. 9 x 9 x 9 in; 10 lb. \$525/pr

#### DM-1 Intimate 2-Way Bookshelf Speaker

Bookshelf speaker with 3¼-in cone woofer, ¾-in dome tweeter. Power handling 20-125 W; FR 175-18,000 Hz  $\pm$  3 dB; sens 85 dB SPL/W/m; imp 8 ohms. Walnut, golden oak, or black finish. 4½ x 7½ x 3½ in; 4.5 lb. \$300/pr

#### S-1 Speaker Stand

For use with stereo TV or audio system. Phase aligned; flat black finish; invisible wiring track. 8 x 17 x 8 in; 2.2 lb. \$70/pr

## ELITE

#### Elite 2-Way Speaker

6-in midbass driver, two 1-in metal dome tweeter, one planar tweeter. Power handling 100-500 W/ch; frequency response 38-45,000  $\pm$  2 dB; sensitivity 95 dB. \$4,600/pr  
Model 1. As above but with four 6-in driver and no dome or planar tweeter. \$3,500/pr  
Model .5 As above but half the height of Model 1. Power handling 75-150 W/ch; sens 89 dB. \$2,160/pr

#### Model 2 2-Way Speaker

Two 5-in polycone midbass drivers with cast-magnesium frames and one metal-dome tweeter. Power handling 50-150 W/ch; FR 41-26,000 Hz; sens 89 dB. \$2,160/pr

## EMINENT TECHNOLOGY

#### LFT-VI Planar Doublet Speaker

Single-diaphragm Linear Field Transducer; diaphragm remains within constant magnetic-flux field over entire displacement range; push-pull operation; soft-foil/mylar diaphragm with very thin traces and narrow gaps between each trace driven directly by amplifier; recommended placement at least 2 ft from rear wall; diaphragm area 410-in; peak-to-peak displacement 0.3-in. FR 38-20,000 Hz  $\pm$  4 dB; power range 100-250 W; sens 83 dB SPL/W/m; imp 6 ohms. 18 x 78 x 2 in; 75 lb ea. \$2,900/pr

#### LFT-IV. As above, with diaphragm area 270-in.

FR 45-20,000 Hz  $\pm$  4 dB; sens 78 dB SPL/W/m; imp 8 ohms. 18 x 60 x 12 in; 55 lb ea. \$1,850/pr

#### LFT-VIII Planar Doublet Speaker

Single-diaphragm Linear Field Transducer combined with 8-in woofer; magnetic field remains constant as diaphragm moves between magnets. Features rigid steel frame; low-mass foil/mylar diaphragm. Max power handling 200 W; FR 180-10,000 Hz; sens 84 dB SPL/W/m; imp 8 ohms. \$1,500/pr

## ENERGY

### 22 Series

#### Veritas 3-Way Speaker

Multichamber vented enclosure featuring time-aligned configuration; incorporates two 8-in quadcentric subwoofers in separate chambers, two 6½-in midbass drivers and ¾-in dual-hyperdome tweeter. Biampable. Power handling 300 W; FR 30-23,000 Hz; sens 85 dB; imp 6 ohms. Contemporary dark-gray gloss finish with black grille cloth. 15 x 60 x 15 in; 156 lb ea. \$6,000/pr

#### Model 22.3 3-Way Speaker

Floor-standing 3-way front-vented enclosure. Features spherex-front baffle supporting two 6½-in woofers with ¾-in dual-hyperdome tweeter. Biampable; adjustable spiked feet included. Power handling 150 W cont; FR

30-23,000 Hz; sens 87 dB; imp 6 ohms. Walnut or black-ash veneer finish with black grille cloth. 10 x 40 x 16 in; 67 lb ea. . . . . \$2,000/pr

**Model 22.2 2-Way Speaker**

2-way bass-reflex enclosure. Features a spherex front baffle; 7-in quadcentric woofer; ¼-in dual-hyperdome tweeter. Biampable; spike metal stand included. Power handling 125 W cont; frequency response 32-23,000 Hz; sensitivity 86 dB; imp 6 ohms. Walnut or black-ash veneer finish with black grille cloth. 10 x 27 x 12 in; 45 lb ea. . . . . \$1,400/pr

**Model 22.1 2-Way Bookshelf Speaker**

2-way front vented enclosure. Features spherex front baffle; 6½-in quadcentric woofer; ¼-in dual-hyperdome tweeter. Biampable. Power handling 110 W cont; FR 40-23,000 Hz; sens 85 dB; imp 6 ohms. Walnut or black-ash veneer finish with black grille cloth. 10 x 16 x 12 in; 27 lb ea. . . . . \$1,000/pr  
SST-21. 21-in stand for above. . . . . \$120/pr

**E-Series**

All speakers except Model 1.1e feature a baffle made of spherex, a nonresonant material.

**Model 5.1e 3-Way Speaker**

Floor-standing 3-way front-vented speaker featuring two 7-in quadcentric woofers and 1-in tweeter. Adjustable spiked feet included. Power handling 150 W cont; FR 35-20,000 Hz ± 3 dB; sens 89 dB; imp 6 ohms. Walnut or black-ash finish. 10 x 33 x 16 in. . . . . \$1,000/pr

**Model 4.1e 2-Way Speaker**

Front-vented speaker featuring 7-in quadcentric woofer and 1-in tweeter. Power handling 100 W cont; FR 35-20,000 Hz ± 3 dB; sens 87 dB; imp 6 ohms. Walnut or black-ash finish. 10 x 24 x 12 in. . . . . \$750/pr  
SST-13. 13-in stand for above. . . . . \$110/pr

**Model 3.1e 2-Way Bookshelf Speaker**

Front-vented speaker featuring 8-in quadcentric woofer and ¼-in tweeter. Power handling 100 W cont; FR 40-20,000 Hz ± 3 dB; sens 87 dB; imp 6 ohms. Walnut or black-ash finish. 10 x 19 x 10 in. . . . . \$550/pr  
SST-21. 21-in stand for above. . . . . \$120/pr

**Model 2.1e 2-Way Bookshelf Speaker**

Front-vented speaker featuring 6½-in quadcentric woofer and ¼-in tweeter. Power handling 80 W cont; FR 45-20,000 Hz ± 3 dB; sens 86 dB; imp 6 ohms. Walnut or black-ash finish. 10 x 16 x 10 in. . . . . \$300/pr  
SST-25. 25-in stand for above. . . . . \$130/pr

**Model 1.1e 2-Way Bookshelf Speaker**

Features 5½-in woofer and ¼-in tweeter. Power handling 75 W cont; FR 55-20,000 Hz ± 3 dB; sens 86 dB; imp 6 ohms. Walnut or black finish. 8 x 13 x 8 in. . . . . \$200/pr  
SST-25. 25-in stand for above. . . . . \$130/pr

**EPI**

All EPI speakers carry a five-year warranty.

**Model 150 Series 2 3-Way speaker**

Features 10-in woofer. Power handling 120 W/ch continuous; imp 8 ohms; sens 91.5 dB. Wood-trimmed base and a pewter grille. 38-in high, 16.5-in wide . . . . . \$499/pr

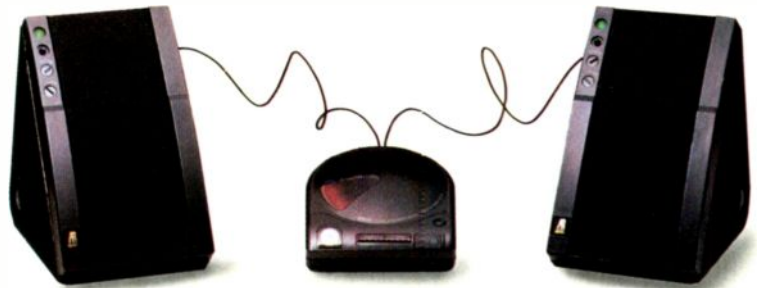
**Model 120 Series 2 3-Way Speaker**

Features 8-in woofer; low-mass design; wide-dispersion dome tweeter. Power handling 120 W/ch continuous; imp 8 ohms; sens 90.5 dB. Charcoal grille with dark slate-textured veneer enclosure. 31-in high, 11-in wide . . . . . \$379/pr

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# SPEAKERS

## Model 110 Series 2 2-Way In-Wall Speaker

Features 6½-in midbass transducer; low-mass design. Power handling 60 W continuous; impedance 8 ohms; sensitivity 90 dB. Neutral gray grille with optional off-white or rose-colored wrap. . . . . \$299/pr

## Model 100 Series 2 3-Way Bookshelf Speaker

Features 8-in midbass transducer; low-mass design; wide-dispersion dome tweeter. Power handling 80 W continuous; imp 8 ohms; sens 90 dB. Neutral gray grille with slate-textured enclosure. 20-in high, 12-in wide . . . . . \$249/pr

## Model 70 Series 2 2-Way Speaker

Features 6.5-in midbass transducer; low-mass design. Power handling 60 W continuous; imp 8 ohms; sens 90 dB. Charcoal grille with dark slate-textured veneer enclosure. 15-in high, 10-in wide . . . . . \$168/pr

## EPIK MONITOR SYSTEMS

### Epik Coherent Monitor Powered System

Satellites features cast frame midbass drivers; band-pass of 100-25,000 Hz; Edison amplifier connectors at base of stand; Kevlar sandwich diaphragms; high-frequency driver with ceramic diaphragm. 52 x 13 x 16 in; 225 lb. Subwoofer utilizes transmission-line loading; two 10-in Kevlar cast-frame woofers; 30-W amplifiers. One stereo subwoofer . . . . . \$8,500  
Two mono woofers . . . . . \$11,500/pr

### Epik Line Source-Monitor Speaker

Floor-standing speaker with transmission-line bass loading. Constrained layer damping; cast frame Poly-Kelvar drivers. Power handling 75-100 W. FR 30-18,000 Hz. 12 x 72 x 30 in; 160 lb . . . . . \$4,450

### Epik Monitor Speaker

Features small, high-resolution speakers. FR 35-30,000 Hz. . . . . \$1,295/pr

### Epik Micro Monitor Speaker

Aperiodic loading polypropylene diaphragm for phase-coherent response. Ash or oak finish . . . . . \$750/pr  
Walnut finish . . . . . \$795/pr

## EPOS BY MUSIC HALL

### ES 14 2-Way Speaker

8-in woofer and aluminum tweeters. No crossover, natural rolloff from woofer at 2,000 Hz. Black-ash or walnut veneer. 8 x 19½ x 11½ in . . . . . \$1,195/pr  
Matching stands . . . . . \$220/pr  
Optional grilles . . . . . \$45/pr

## ESS

### AMT Series

#### AMT-Monitor 2-Way Speaker

Floor-standing speaker with 2½ x 2½-in Heil air-motion transformer with mylar diaphragm. Features 12-in-cone passive radiator; 12-in cone woofer. Power handling 35-400 W; FR 35-23,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 6 ohms. Oiled walnut finish. 18½ x 41 x 12 in; 82 lb . . . . . \$1,250/pr

#### AMT 1D 2-Way Speaker

Floor-standing 2-way speaker with 12-in polypropylene woofer, 12-in passive radiator. Features 2½ x 2½-in Heil air-motion transformer with mylar diaphragm; brilliance controls; Max power handling 400 watts; FR 35-23,000 Hz ± 3 dB; crossover 800 Hz; imp 6 ohms; sensitivity 91 dB SPL/W/m. Oiled-walnut finish; black-brown grille. 16½ x 35¼ x 16¼ in . . . \$1,150/pr

## Performance Series

### Mini Monitor 620 2-Way Bookshelf Speaker

Two-way mini bookshelf speaker. Features 5¼-in long excursion woofer; 1¼-in dome tweeter; 5-in passive radiator. Power handling 10-60 W; FR 60-20,000 Hz ± 4 dB; sens 87 dB SPL/W/m; imp 8 ohms. Oiled walnut-veneer finish. 7 x 12 x 7½ in; 16½ lb/pr. . . . . \$160/pr

### PS-1220 3-Way Speaker

Floor-standing passive-radiator speaker with 12-in woofer. Heil air-motion transformer tweeter with 10% x 10% in radiating area, 4-in midrange with hi-temp voice coil. Power handling 10-200 watts; FR 28-23,000 Hz ± 1 dB; sens 93 dB SPL/W/m; imp 4 ohms. Solid walnut finish. 12 x 14¼ x 34 in; 65 lb . . . . . \$598/pr

### PS-1020 2-Way Speaker

Floor-standing passive-radiator speaker with 12-in woofer. Heil air-motion transformer tweeter-midrange. 10% x 10% in radiating area. Power handling 10-150 watts; FR 28-23,000 Hz ± 1 dB; sens 93 dB SPL/W/m; imp 4 ohms. Solid walnut finish. 14 x 25 x 13 in. 44 lb . . . \$498/pr

### PS-920 2-Way Bookshelf Speaker

Passive-radiator speaker with 8-in woofer. Heil air-motion transformer tweeter-midrange with 10% x 10% in radiating area. Power handling 5-100 W; FR 38-23,000 Hz ± 1 dB; sens 91 dB SPL/W/m; imp 4 ohm. Solid-walnut finish. 11½ x 22 x 11 in; 37 lb . . . . . \$438/pr

### PS-820 2-Way Bookshelf Speaker

Passive-radiator speaker with 6-in woofer. Heil air-motion transformer tweeter-midrange with 10% x 10% in radiating area. Power handling 5-125 W; FR 42-23,000 Hz ± 1 dB; sens 89 dB SPL/W/m; imp 4 ohm. Solid-walnut finish. 9½ x 17½ x 9½ in; 54 lb . . . . . \$356/pr

## EUROSTAT

### Mondrian 3-Way Speaker

Features matched crossover components in 1st-order, phase-correct, line-source array; QB3 bass alignment with separate laminar venting. Power handling: 500 W (non-clipping), 180 W DIN (sine wave), 1200 W at 10 ms at 127 dB; FR 38-22,000 Hz; sens 88 dB W/m. 2.83 V; imp linear 6.8, conjugate load matched; distortion <0.5%. 13 x 26 x 14 in; 52 lb . . . . . \$3,600/pr

## FISHER

### STV-420M 3-Way Shielded Speaker

Floor-standing bass-reflex speaker with 12-in woofer, 4-in midrange, 2-in tweeter. Magnetically shielded. Power handling 100 W/ch rms into 8 ohms; sens 91 dB SPL/W/m; FR 45-20,000 Hz. Baldwin-oak vinyl finish. 14¾ x 29¾ x 12¾ in . . . . . \$320/pr

## FMS

### FMS Studio-2 2-Way Speaker

Aperiodic speaker with 8-in polymer-cone woofer and 1¼-in dome tweeter. FR 42-22,000 Hz ± 2 dB; sens 89 dB SPL/W/m; power handling 30-150 W; crossover point 1,800 Hz; imp 5 ohms nominal. Optional finish. 12 x 25 x 13½ in; 70 lbs. . . . . \$4,900/pr

## FOCUS

### High-Definition Tower 2-Way Speaker

2-way staggered-transmission-line speaker with 1¼-in inverted-Kelvar-dome tweeter with 3-lb magnet; two 8-in woofers. Features phase-aligned drivers; lead-lined cabinet made of 14-layer epoxy-pulp; internal bracing; rounded

baffle; subenclosure for tweeter; solid-oak base, tops, side rails. 1st-order crossover at 1,000 Hz; matched to better than 1% tolerance. FR 35-20,000 ± 2 dB; group delay better than ± 0.2 µsec; nominal imp 4 ohms, min imp 3.2 ohms; sens 92 dB SPL/W/m; power handling 30-200 W/ch. 14 x 64 x 16½ in; 115 lb . . . \$2,950/pr

### High-Definition 2-Way Speaker

Floor-standing speaker with 8-in woofer, 1¼-in tweeter. Features cabinets made of 14-layer Pox-Pulp; internal bracing; solid-oak end pieces; phase-aligned drivers in separate subenclosures to improve imaging. FR 32-20,000 Hz ± 2 dB; sens 89 dB SPL/W/m; imp 8 ohms; power handling 30-200 W/ch. 12 x 47 x 12 in . . . . . \$1,450/pr

### Model .7 High-Definition 2-Way Speaker

Contoured-port speaker with 8-in woofer and 1-in dome tweeter. Features computer-matched time-alignment; Pox-Pulp; internally braced cabinet. FR 37-19,000 Hz ± 2 dB; nominal imp 8 ohms; power handling 30-150 W/ch; sens 90 dB SPL/W/m. 12 x 28 x 12 in; 37 lb . . . . . \$880/pr  
Matching stands . . . . . \$195/pr

### Model .5 High-Definition 2-Way Speaker

Bookshelf speaker with Pox-Pulp cabinet; 8-in woofer; 1-in dome tweeter. FR 45-20,000 Hz ± 3 dB; nominal imp 8 ohms, min imp 4.8 ohms; power handling 30-150 W/ch; sens 90 dB SPL/W/m; 12 x 19 x 12 in; 27 lb . . . . . \$650/pr

## FOSGATE-AUDIONICS

### Architectural Speakers

#### AS-802 2-Way In-Wall Speaker

Sealed, flush-mount speaker with 8-in polypropylene woofer and 1-in ferrofluid-coupled soft-dome tweeter. Designed for center channel and full-system application. Features 18 dB/octave crossover with air-core inductor; 250 V-loss film capacitors. Variable tweeter control. FR 40-22,000 Hz; imp 8 ohms; sens 89 dB SPL/W/m . . . . . \$995/pr  
DS-802. In-room version of AS-802. Available in black lacquered oak, natural oak, or walnut. 10½ x 19 x 12 in; 25 lb . . . . . \$695/pr

#### LF-212 Subwoofer

Subwoofer with dual-voice-coil 12-in polypropylene woofer. Features direct input or crossover; internal crossover for use with AS-602, AS-802, or DS-802. FR 22 Hz; imp 4 ohms. 18 x 20 x 18 in; 48 lb . . . . . \$595

#### AS-602 2-Way Speaker

Flush-mount speaker with 6¼-in polypropylene woofer/midrange and 1-in soft-dome tweeter. Designed for main, surround, and extension applications; compatible with LF-212 sub system. Features 12 dB/octave crossover with air-core inductors; automatic reset tweeter protection circuitry. FR 75-22,000 Hz; power range 10-100 W. 8½ x 12 x 2¾ in . . . . . \$425/pr

#### AS-502 2-Way Speaker

Flush-mount speaker with 5¼-in polypropylene woofer/midrange with ¾-in mylar-dome tweeter. Designed for surround and extension applications. Features weather-resistant design; first-order crossover. FR 85-18,000 Hz; power range 10-75 W. 7½ x 11 x 2½ in . . . . . \$295/pr

## FRIED

### G/3 3-Way Speaker

Floor-standing transmission-line speaker with 10-in polypropylene woofer; 6½-in midrange; ¾-in dome tweeter. With series crossover networks and duocone drivers; transmission-line



# SPEAKERS

loading of midrange aperiodic-design principles for linearity and dynamic range. FR 23-22,000 Hz  $\pm 3$  dB; power range 10-200 W rms; sens 91 dB SPL/W/m; imp 8 ohms. Walnut and oak finishes. 16 x 44 x 18 in; 100 lb ..... \$2,660/pr

## D/2 Subwoofer

Dual-channel transmission-line subwoofers in column configuration with 8-in woofer. Features normal input for use with Fried satellite speakers; biamp input for use with other satellites; fuse protection. FR 28 Hz at  $\pm 3$  dB; power range 20-200 W. 10½ x 36 x 15½ in ..... \$2,500  
As above in kit form ..... \$650

**O/4 Subwoofer Kit.** Similar to D/2; 10-in woofer with FR 23 Hz  $\pm 3$  dB. 13½ x 36 x 23 in... \$750

## C/3-L 2-Way Speaker

Full-transmission-line-loaded speaker with 6½-in duocone woofer; ¼-in dome tweeter. For use alone or as satellite. Features series networks; pyramid shape. Frequency response 60-22,000 Hz  $\pm 3$  dB; power range 10-250 W rms; sens 91 dB SPL/W/m; imp 8 ohms. 10½ x 13½ x 15½ in; 20 lb ..... \$1,450/pr assembled  
**C/3-L Kit.** As above except, in kit form \$450/pr

## Studio IV 2-Way Speaker

"Flow-resistance" floor-standing speaker with 8-in duocone woofer; 2-in duocone midrange; 1¼-in dome tweeter. Features and series networks. FR 26-22,000 Hz  $\pm 3$  dB; power range 10-1,000 W; sens 91 dB SPL/W/m; imp 8 ohms. Walnut finish. 12 x 39 x 18 in; 75 lb . . \$1,560/pr

## R/4 3-Way Speaker

Column loudspeaker with 10-in polypropylene woofer with vented pole piece; 5¼-in polypropylene midrange with vented pole piece; 1-in dome tweeter with ferrofluid damping. Features built-in tilt-back pedestal with line loading for midrange and line-tunnel loading for bass. FR 32-20,000 Hz  $\pm 3$  dB power range 25-100 W/ch; sens 90 dB; imp 8 ohms. 12 x 32 x 10½ in; 35 lb ea ..... \$1,195/pr



Fried R/4

## A/3a 2-Way Speaker

Speaker with 8-in polypropylene woofer with file damping for smooth response; 1-in damped dome; multilayer damping and computer-aligned line tunnel for improved bass. FR 32-20,000 Hz  $\pm 3$  dB; power handling 25-100 W;

imp 8 ohms; sens 89 dB. Walnut veneer finish. 13 x 23 x 10½ in ..... \$680/pr

## Q/4 2-Way Speaker

Speaker with 8-in polypropylene woofer with file damping for smooth response; 1-in damped dome; multilayer damping and computer-aligned line tunnel for improved bass. FR 37-20,000 Hz  $\pm 3$  dB; power handling 25-100 W; imp 8 ohms; sens 89 dB. Walnut or black-ash vinyl. 10¼ x 20 x 9 in ..... \$490/pr

## Beta 2-Way Bookshelf Speaker

Bookshelf speaker with 6½-in polypropylene woofer; composite tweeter with 2-in cone and ¾-in dome. Features polypropylene cones; series filter crossover; distributed bass-loading free-flow filter system. Walnut or black-ash. 8 x 13½ x 8 in ..... \$345/pr

## Duo Subwoofer

Floor-standing subwoofer with 10-in cone woofer. Features dual-voice-coil polypropylene driver. FR 30-100 Hz  $\pm 3$  dB; power range 20-200 W; sens 90 dB SPL/W/m; imp 8 ohms. Walnut or black-ash finish ..... \$350 ea

## GNP

### Valkyrie 4-Way Speaker

Sealed system with two 6½-in woofers, 2-in dome midrange, and 1-in dome tweeter. Features level controls for midrange and tweeter. FR 34-24,000 Hz  $\pm 3$  dB; sens 90 SPL/W/m; min power 50 W/ch; crossover points 125, 800, 3,000 Hz; imp 12 ohms nominal. Oak, walnut, or black finish; black-knit grille. 12 x 48½ x 14½ in; 48 lb ..... \$2,295/pr

### Model 25 3-Way Speaker

Sealed speaker with 6½-in woofer, 2-in dome midrange, and 1-in dome tweeter. Features level controls for midrange and tweeter. FR 58-20,000 Hz  $\pm 3$  dB; sens 90 dB SPL/W/m; min power 20 W/ch; crossover points 800 and 3,000 Hz; imp 8 ohms nominal. Oak, walnut, or black finish; black-knit grille. 9 x 18 x 8½ in; 48 lb/pr ..... \$799/pr

### Model 10 2-Way Speaker

Sealed speaker with 6½-in woofer and 1-in dome tweeter. Features level control for tweeter. FR 68-20,000 Hz  $\pm 3$  dB; sens 90 dB SPL/W/m; min power 10 W/ch; crossover point 3,000 Hz; imp 8 ohms nominal. Oak, walnut, or black finish; black-knit grille. 8 x 12 x 7 in; 30 lb/pr ..... \$399/pr

### Model 5 2-Way Speaker

Sealed speaker with 5¼-in cone midrange/woofer and 1-in dome tweeter. Features level controls for tweeter. FR 100-20,000 Hz  $\pm 3$  dB; sens 89 dB SPL/W/m; min power 10 W; crossover point 3,000 Hz; imp 4 ohms nominal. Oak, walnut, or black finish; black-knit grille. 7 x 11 x 5½ in; 19 lb/pr ..... \$329/pr

## Subwoofers

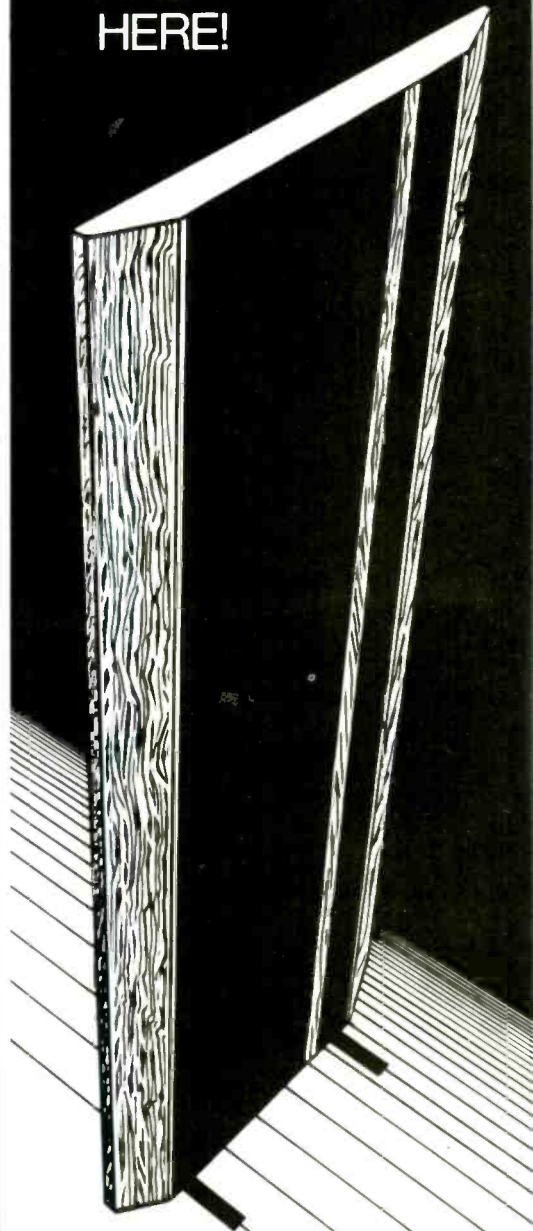
### Model 2 Subwoofer

Sealed subwoofer with two 6½-in woofers. FR 34-125 Hz  $\pm 3$  dB; sens 90 dB SPL/W/m; min power 30 W/ch; crossover point 125 Hz; imp 12 ohms nominal. Oak, walnut, or black finish; black-knit grille. 12 x 25 x 14¼ in; 48 lb \$600/pr

### Model 1 Subwoofer

Sealed subwoofer with 8-in woofer. Frequency response 40-125 Hz  $\pm 3$  dB; sensitivity 89 dB SPL/W/m; minpower 20 W/ch; crossover point 125 Hz; impedance 4 ohms nominal. Oak, walnut, or black finish; black-knit grille. 12 x 25 x 11½ in; 36 lb ea ..... \$450/pr

The NEW  
Generation  
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See  
Dealer List  
on Page 247

**MAGNEPAN**

1645 9th Street  
White Bear Lake, MN 55110

# SPEAKERS

## GOLDMUND BY INTERNATIONAL AUDIO

### Apologue Speaker System

2-speaker system designed as a "work of art" by an Italian painter and designer, only 300 produced. Features 4-level, passive crossovers; electronically time-aligned sections; pseudo-infinite baffles which cancel more than 98% of back-radiated energy. 33 x 72 $\frac{1}{4}$  x 42 $\frac{1}{4}$  in ..... \$55,000/pr

## GOLD SOUND

*All Gold Sound speakers are kits comprised of speaker components, crossovers, grille and damping materials, and 18 pages of plans and instructions.*

### Model 14 4-Way Speaker Kit

Brown vented-enclosure speaker system with 18-in woofer, 10-in cone midbass, titanium midhorn, and biradial-horn tweeter. Separate midrange and tweeter controls. FR 28-21,000 Hz  $\pm$  3 dB; sens 95 dB; min power 5 W; crossover points 200, 1,200, 5,000 Hz; optional oiled walnut. 29 x 46 x 19 in ..... \$2,249/pr

### Pro Double 18 2018 4-Way Speaker Kit

Brown vented-enclosure speaker system with two 18-in JBL woofers, 10-in JBL cone midbass, titanium JBL midrange, and JBL biradial horn tweeter. Features level controls for top 3 drivers. FR 28-21,000 Hz  $\pm$  3 dB; sens 101 dB; min power 5 W; crossover frequencies 200, 2,000, 8,000 Hz; imp 8 ohms; max power 1,200 W. Optional oiled walnut finish. 29 x 46 x 19 in ..... \$2,998/pr

### Model 11 3-Way Speaker Kit

15-in JBL woofer, 7 $\frac{1}{2}$ -in JBL midrange, JBL biradial horn tweeter. Features level controls for upper drivers. FR 28-21,000 Hz  $\pm$  3 dB; sens 93 dB SPL/W/m; power range 5-300 W rms; crossover points 300, 5,000 Hz; imp 8 ohms; dispersion 100° horizontal and vertical at 20,000 Hz. With 44 x 18 x 14-in cabinets ..... \$1,449/pr With 44 x 18 x 14-in cabinets ..... \$1,939

### Pro 15 4-Way Speaker Kit

Brown vented-enclosure speaker system with 15-in JBL woofer, 7 $\frac{1}{2}$ -in JBL midrange, JBL horn tweeter. FR 39-21,000 Hz  $\pm$  3 dB; sens 93 dB SPL/W/m; power range 5-600 W rms; crossover points 300, 5,000 Hz; imp 8 ohms. \$1,048/pr

### Pro Double 15 4-Way Speaker Kit

Speaker with two 15-in JBL cast-frame woofers, two 7 $\frac{1}{2}$ -in European cast-frame midranges, and titanium exponential-horn tweeter. FR 32-21,000 Hz  $\pm$  3 dB; sens 100 dB SPL/W/m; power range 5-1200 W rms; crossover points 300, 2000, and 8,000 Hz; imp 4 or 8 ohms. 46 x 29 x 19 in ..... \$899/pr

### Model 7 4-Way Speaker Kit

Speaker with two 12-in polypropylene woofers, two 6 $\frac{1}{2}$ -in European cast-frame midranges, European 1-in dome tweeter. FR 35-25,000 Hz; sens 95 dB SPL/W/m; power range 5-400 W rms; crossover points 50, 200, 4,000 Hz; imp 4 or 8 ohms ..... \$799/pr With 18 x 44 x 14-in cabinet ..... \$1,289/pr

### M-15 4-Way Speaker Kit

Speaker with 15-in cast-frame dual-voice coil woofer, 7 $\frac{1}{2}$ -in European cast midrange, and one-inch horn tweeter. Frequency response 32-25,000 Hz  $\pm$  3 dB; sensitivity 95 decibels SPL/W/m; power range 5-300 watts rms; crossover points 60, 200, 4,000 Hz; impedance 4 or 8 ohms ..... \$499/pr With 18 x 44 x 14-in cabinets ..... \$989/pr

### Model 4 4-Way Speaker Kit

Speaker with 12-in polypropylene dual-voice coil woofer, two 6 $\frac{1}{2}$ -in polypropylene midranges and European 1-in ferrofluid-cooled dome tweeter. FR 35-25,000 Hz  $\pm$  3 dB; sens 93 SPL/W/m; power range 5-200 W rms; crossover points 70, 200, and 4,000 Hz; imp 4 or 8 ohms ..... \$399/pr With 14 x 37 x 11-in cabinets ..... \$749/pr

### Model 3 3-Way Speaker Kit

12-in polypropylene woofer, 5 $\frac{1}{4}$ -in polypropylene midrange, and 1-in dome tweeter. FR 39-25,000 Hz  $\pm$  3 dB; sens 93 SPL/W/m; power range 5-200 W rms; crossover points 80, 200, 4,000 Hz; imp 4 or 8 ohms ..... \$299/pr With 14 x 25 x 11-in cabinets ..... \$499/pr

### Model 2 4-Way Speaker Kit

8-in polypropylene woofer, 4 $\frac{1}{2}$ -in midrange, and ferrofluid-cooled titanium-dome tweeter. FR 45-25,000 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; power range 5-100 W rms; crossover points 90, 300, 6,000 Hz; imp 4 or 8 ohms ..... \$218/pr With 12 x 19 x 10-in cabinets ..... \$348

### Model 1 2-Way Speaker Kit

10-in European bextrene woofer and 1-in ferrofluid-cooled linen-dome tweeter. FR 48-20,000 Hz  $\pm$  3 dB; sens 93 dB SPL/W/m; power range 5-60 W rms; crossover point 3,000; imp 8 ohms ..... \$169/pr With 14 x 25 x 11-in cabinets ..... \$369/pr

### Model .6 2-Way Speaker Kit

Sealed 2-way speaker with 6 $\frac{1}{2}$ -in polypropylene woofer and 1-in European ferrofluid-cooled linen-dome tweeter. Frequency response 58-20,000 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; power range 5-60 W rms; crossover point 3,000 Hz; imp 4 or 8 ohms ..... \$98/pr With 10 x 16 x 8 in cabinets ..... \$198/pr

### Model .2 2-Way Speaker Kit

Sealed speaker with 5 $\frac{1}{4}$ -in polypropylene woofer and  $\frac{1}{4}$ -in European ferrofluid-cooled dome tweeter. FR 68-20,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; power 5-60 W rms; crossover 3,000 Hz; imp 4 or 8 ohms ..... \$79/pr With 8 x 12 x 7-in cabinets ..... \$149

### Subwoofer Kits

#### 18-in Compound Load Subwoofer Kit

Two 18-in JBL subwoofer. FR 23-200  $\pm$  3 dB; sens 92 dB SPL/W/m; power range 40-1,200 W rms; imp 8 ohms ..... \$799 ea With 24-dB adjustable crossover ..... \$1,199 ea With 150 Hz passive crossover ..... \$72 extra

#### 15-in Compound-Load Subwoofer Kit

Two 15-in JBL subwoofers. Frequency response 23-200 Hz  $\pm$  3 dB; sensitivity 90 dB SPL/watts per meter; power range 40-600 watts rms; impedance 8 ohms ..... \$499 ea With 24-dB active crossover ..... \$898 ea With 18 x 44 x 14-in cabinet ..... \$289 extra With 150-Hz passive crossovers ..... \$72 extra

#### 18-in Subwoofer Kit

18-in JBL subwoofer. FR 28-200 Hz  $\pm$  3 dB; sens 95 dB SPL/W/m; power range 20-600 W rms; imp 8 ohms ..... \$409 ea With 24-dB adjustable crossover ..... \$809 ea

#### 15-in Compound Load Subwoofer Kit

Two 15-in subwoofers with cast frames, 80 ounce magnet. Frequency response 24-200 Hz  $\pm$  3 decibels; sensitivity 92 dB SPL/W/m; power range 40-600 W rms; impedance 4 or 8 ohms ..... \$399 ea With 18 x 44 x 14-in cabinet ..... \$678 ea With 150-Hz passive crossover ..... \$72/pr

### 12-in Compound Load Subwoofer Kit

Two 12-in subwoofers with polypropylene cones. FR 25-200 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; power range 40-400 W rms; imp 4 or 8 ohms ..... \$129 ea With 18 x 18 x 16-in cabinet ..... \$299 ea With 150-Hz passive crossover ..... \$72

### 15-in Subwoofer Kit

15-in JBL subwoofer. FR 29-200 Hz  $\pm$  3 dB; sens 93 dB SPL/W/m; power range 20-300 W rms; imp 8 ohms ..... \$259 ea With 24-dB active crossover ..... \$639 With 18 x 44 x 14-in cabinet ..... \$249

### 15-in Subwoofer Kit

Cast dual-voice coil 15-in subwoofer with 80-ounce magnet. FR 32-200 Hz  $\pm$  3 dB; sens 95 dB SPL/W/m; power range 20-300 W rms; imp 4 or 8 ohms ..... \$159 ea With 18 x 44 x 14-in cabinet ..... \$398 With 150-Hz passive crossover ..... \$72

### 12-in Subwoofer Kit

12-in subwoofer with polypropylene cone. FR 32-200 Hz  $\pm$  3 dB; sens 93 dB SPL/W/m; power range 20-200 W rms; imp 4 or 8 ohms ..... \$69 ea With 18 x 18 x 16-in cabinet ..... \$199 ea With 150-Hz passive crossovers ..... \$72

### In-Wall Installation Series

*All Gold Sound in-wall speakers are designed for flush-mounting, and have water-resistant polypropylene cones and white grilles, which have removable fabric and are paintable.*

#### Model 844 In-Wall Subwoofer

8-in subwoofer with 40-oz magnet. FR 32-2,000 Hz; sens 92 dB SPL/W/m; power range 20-150 W rms; imp 4 ohms. Includes grilles ..... \$134 ea  
**848 In-Wall Subwoofer.** As above with imp 8 ohms ..... \$139 ea

#### Model 8AC In-Wall 2-Way Speaker

Speaker with 8-in woofer and 2-in polypropylene ferrofluid-cooled dome tweeter. FR 32-20,000 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; power range 5-100 W rms; crossover point 3,000 Hz; imp 4 or 8 ohms; 60° dispersion  $\pm$  3 dB to 15,000 Hz ..... \$134 ea

#### Model 824 In-Wall Subwoofer

8-in subwoofer with 20-oz magnet. Features dual voice coils that allow one 824 to act as subwoofer for two smaller speakers. FR 32-2,000 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; power range 20-100 W rms; imp 4 ohm/voice coil. Includes grilles ..... \$99 ea  
**828 In-Wall Subwoofer.** As above with imp 8 ohm/voice coil ..... \$99 ea

#### Model 8C 2-Way In-Wall Speaker

Speaker with 8-in woofer and 1 $\frac{1}{4}$ -in ferrofluid-cooled polyimid dome tweeter. Frequency response 40-25,000 Hz  $\pm$  3 dB; sensitivity 92 decibels SPL/W/m; power range 5-70 W rms; crossover point 4,000 Hz; impedance 4 or 8 ohms; 60 degree dispersion  $\pm$  3 dB to 16,000 Hz. Including grilles ..... \$99 ea

## GOODMANS OF ENGLAND

### High-Impact Monitor Series

#### H.I.M. 880 3-Way Speaker

Bass-reflex speaker with 15-in woofer, 8-in midrange and 1-in soft-dome tweeter. Features infinite baffle design; level controls for woofer and midrange. Min power 10 W; frequency response 30-20,000  $\pm$  5 dB; sensitivity 95 dB SPL/W/m; impedance eight ohms; crossover points 500, 4,000 Hz. Black finish. Dimensions: 18 x 40 x 17 in; 88 lb ea ..... \$1,299/pr

# SPEAKERS

## H.I.M. 440 3-Way Speaker

Bass-reflex speaker with 12-in woofer, 4-in midrange, and 1-in tweeter. Features infinite baffle design; level controls for midrange and tweeter. Min power 10 W; FR 30-20,000 Hz; sens 98 dB SPL/W/m; imp 8 ohms; crossover points 1,000, 4,000 Hz. Black finish. 15 x 35 x 17 in; 66 lb ea ..... \$899/pr

## H.I.M. 220 2-Way Speaker

Bass-reflex speaker with 10-in woofer and 1-in soft-dome tweeter. Features level control for tweeter. Min power 10 W; FR 40-20,000 Hz; sens 98 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. Black finish. 13 x 30 x 16 in; 44 lb ea ..... \$699/pr

## H.I.M. 110 2-Way Speaker

Bass-reflex speaker with 8-in woofer and 1-in soft-dome tweeter. Features level control for tweeter. Min power 10 W; FR 45-20,000 Hz; sens 98 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. Black finish. 10 x 20 x 12 in; 24 lb ea ..... \$499/pr

## The Maxim Collection

### The Maxamp 2-Way Powered Speaker

Bass-reflex, 25-W powered speaker with 5-in woofer and 1/4-in dome tweeter. FR 65-20,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms. Black finish. 7 x 10 x 7 in; 18 lb/pr ..... \$329

### The Maxim 2-Way Speaker

Bass-reflex speaker with 5-in woofer and 1/4-in dome tweeter. Min power 15 W; FR 65-20,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms. Black finish. 7 x 10 x 7 in; 18 lb/pr ..... \$249

### B-Max Subwoofer

Subwoofer with two 6-in drivers. FR 30-150 Hz; impedance 8 ohms; crossover 150 Hz. 8 x 24 x 9 in; 22 lb/ea ..... \$249 ea

## Bookshelf Monitor Series

### M5 2-Way Bookshelf Speaker

Bass-reflex speaker with 8-in woofer and 1/4-in polyimide-dome tweeter. Min power 15 W; sens 88 dB SPL/W/m; impedance 8 ohms. 10 x 16 x 8 in; 28 lb/pr ..... \$349/pr

### M3 2-Way Bookshelf Speaker

Bass-reflex speaker with 6 1/2-in woofer and 3/4-in polyimide-dome tweeter. Min power 15 W; sens 88 dB; imp 8 ohms. 9 x 15 x 7 in; 22 lb/pr ..... \$249/pr

### M1 2-Way Bookshelf Speaker

Bass-reflex speaker with 5-in and 3/4-in polyimide-dome tweeter. Min power 15 W; sens 86 dB SPL/W/m; imp 8 ohms. 8 x 10 x 7 in; 18 lb/pr ..... \$189/pr

## GUSS ENTERPRISES

### Custom Monitor

Speaker system with 204 drivers in 8 enclosures: twenty-four 15-in woofers; forty-eight 5-in midranges; thirty-two 1-in tweeters; 100 custom piezos. Power handling 100-900 W rms. 4 cabinets 30 x 72 x 20 in; 4 cabinets 22 x 72 x 16 in ..... \$100,000/sys

### System I-Guss Monitor Speaker

Speaker system with 102 drivers in 4 enclosures. Features twelve 15-in cone woofers; twenty-four 5-in dual-diaphragm dome midranges; sixteen 1-in dome tweeters; 50 custom piezoelectric supertweeters. Controls for midrange, tweeter, rear-ambience, satellite. FR response 15-30,000 Hz  $\pm$  3 dB; power handling 30-600 W; sens 92 dB SPL/W/m; imp 6 ohms.

Walnut oak. 2 cabinets 30 x 72 x 20 in and 2 cabinets 22 x 72 x 16 in ..... \$50,000/sys

### System 2-Symphony Speaker System

Floor-standing speaker system with 26 drivers in 4 enclosures and 3-D Focus control. Features four 15-in cone woofers; six 5-in dual-diaphragm dome midranges; four 1-in dome tweeters; 12 custom piezoelectric supertweeters. Controls for midrange, tweeter, rear-ambience, and satellite. FR 20-30,000 Hz  $\pm$  3 dB; power handling 30-300 W; sens 92 dB SPL/W/m; imp 4 ohms. Walnut and oak finishes. 2 cabinets 22 x 54 x 20 in and 8 x 25 x 8 in; 165 lb, 12 lb ..... \$15,000/sys

### System 3-Concerto Speaker System

Floor-standing speaker system with 22 drivers in 4 enclosures. Features four 12-in cone woofers; six 5-in dual-diaphragm dome midranges; four 1-in dome tweeters; 8 custom piezoelectric supertweeters. Controls for midrange, tweeter, rear-ambience, and satellite. FR 30-30,000 Hz  $\pm$  3 dB; power handling 30-300 W; sens 92 dB SPL/W/m; imp 4 ohms. Walnut and oak finishes. 2 cabinets 22 x 54 x 20 and 8 x 25 x 8 in; 150 lb, 12 lb ..... \$9,000/sys

### System 4-Sonata Speaker

Floor-standing speaker system with 12 drivers in 4 enclosures. Features two 12-in woofers; two 5-in dual-diaphragm dome midranges; 6 custom piezoelectric supertweeters. Controls for midrange, tweeter, satellite. FR 30-30,000 Hz  $\pm$  4 dB; power handling 30-200 watts; sens 90 dB SPL/W/m; imp 8 ohms. Walnut and oak; 2 cabinets 17 x 28 x 15 in and 2 cabinets 6 x 6 x 12 ..... \$4,000/sys

## HAFLER

### Model 400 3-Way Speaker

Floor-standing speaker with tuned transmission-line design; mirror-image array consisting of 1-in soft dome tweeter, two 6 1/2-in midrange woofers, and 8-in rear mounted woofer; sloping baffle; rear-mounted ports; pedestal base. Gold-plated 5-way input jacks; spike feet. FR 30-20,000 Hz; sens 92 dB SPL/W/m; nom imp 8 ohm; min power 20 W/ch. Dark-oak veneer finish with black grille. 10 1/2 x 40 1/4 x 12 in; 58 lb ea ..... \$1,095/pr

### Model 300 2-Way Speaker

Floor-standing speaker with tuned transmission-line design; mirror-image array consisting of 1-in soft-dome tweeter, and two 6 1/2-in midrange woofers; sloping baffle; rear-mounted port; pedestal base. Gold-plated 5-way input jacks; spike feet included. FR 35-20,000 Hz; sens 91 dB SPL/W/m; nom imp 8 ohm; min power 20 W/ch. Dark-oak veneer w/black grille. 9 1/2 x 36 x 11 1/2 in; 45 lb ea ..... \$795/pr

### Model 200 2-Way Bookshelf Speaker

Features mirror-image array with 1-in soft dome tweeter, and 6 1/2-in midrange woofer; sloping front baffle; rear-mounted port. Gold-plated 5-way input jacks. FR 50-20,000 Hz; sens 88 dB SPL/W/m; nom imp 4 ohm; min power 20 W/ch. Dark-oak veneer w/black grille. 8 1/2 x 10 1/4 x 14 1/4 in ..... \$450/pr

## HALES AUDIO

### System II Signature 2-Way Speaker

Sealed-box speaker with two 7-in midranges, 1-in titanium-tweeter. Features computer-optimized, biwireable crossover network; polypropylene capacitors; 14-gauge air-core inductors; crossover housed in an external, sand-filled and spiked enclosure. FR 40-26,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; imp 4 ohms;

crossover frequency 2,000 Hz. 11 x 48 x 21 in; 181 lb ..... \$4,850/pr

### System II 2-Way Speaker

Sealed box speaker with two 7-in midbass, 1-in titanium-dome tweeter. Features computer-optimized, biwireable crossover network; polypropylene capacitors; 14-gauge air-core inductors. FR 45-26,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; imp 4 ohms; crossover frequency 2,000 Hz. 11 x 36 x 12 1/2 in; 67 lb ..... \$2,700/pr

## HARTLEY PRODUCTS

### The Reference 4-Way Speaker

Floor-standing speaker with 24-in woofer, 10-in midrange, two 7-in tweeters. Crossovers points 125, 3,000, 8,000 Hz; FR 16-25,000 Hz; power handling 25-300 W; imp 5-8 ohms. Wood cabinet with removable knit grille. 36 x 50 1/2 x 24 in ..... \$5,195/pr

**The Concertmaster.** As above, 18-in woofer. Wood cabinet with removable black grille. 29 x 41 1/2 x 18 in ..... \$3,995/pr

### The Reference Tower 2-Way Speaker

Floor-standing speaker with four 6 1/2-in thermoplastic woofers and four 1-in dome tweeters. Crossover point 3,600 Hz; power handling 5-300 W; imp 4 ohms at 100 Hz, 5 ohms at 1,000 Hz; FR 24-25,000 Hz. Wood cabinet w/removable knit grille. 44 1/2 x 17 1/2 x 18 in .. \$1,500/pr

**Mini-Tower.** As above, two 6 1/2-in thermoplastic woofers and 1-in hybrid dome tweeter. Crossover point 3,100 Hz; power range 5-150 W; imp 4 ohms; FR 32-25,000 Hz ..... \$660/pr

**The Compact Reference.** Same as the Mini-Tower but with 5,000 Hz crossover; power handling 10-100 W; imp 8 ohms; FR 25-45,000 Hz. 13 1/2 x 17 1/2 x 13 1/2 in ..... \$400/pr

### Subwoofers

All Hartley subwoofer cabinets are constructed with oak and walnut veneers and internally lined with a 3/4-in thick cellulose-wadding material.

### SW-24 Subwoofer

Infinite-baffle enclosure. Power range 25-300 W; imp 5 ohms; FR 16 Hz  $\pm$  3 dB. 36 x 50 1/2 x 22 in; 250 lb ..... \$1,295

### SW-18 Subwoofer

Infinite-baffle enclosure. Power range 25-300 W; imp 5 ohms; FR 16 Hz  $\pm$  4 dB. 29 x 41 1/2 x 18 in; 150 lb ..... \$990

### SW-10 Subwoofer

Air-column enclosure. Power range 15-100 W; imp 6 ohms; FR 25 Hz  $\pm$  3 dB. 18 x 24 x 18 in; 70 lb ..... \$525

## HEATH

### Heath/JBL ASW-1230 3-Way Speaker

Ported speaker with 12-in Aquaplas woofer, 5-in high-polymer midrange, and 1-in pure titanium-diaphragm tweeter. FR 60-20,000 Hz, -3 dB; sens 91 dB; impedance 8 ohms; crossover points 800 and 4,000 Hz. Walnut-veneer finish. 14 x 40 x 10 1/2 in; 58 lb ..... \$400/pr

**AS-1230.** Unassembled kit ..... \$350/pr

### Heath/JBL ASW-1082 2-Way Bookshelf Speaker

Ported bookshelf speaker with 1-in polymer woofer and 1-in titanium-diaphragm tweeter. FR 80-20,000 Hz, -3 dB; sens 90 dB; imp 8 ohms; crossover at 3,000 Hz. Walnut vinyl veneer finish. 13 1/4 x 23 x 9 in; 28 lb ..... \$160/pr

**AS-1082.** Unassembled kit; 29 lb ..... \$130/pr

### ASW-24 Surround-Sound Speaker

Ported surround-sound speakers with 4-in driv-

# SPEAKERS

er. FR 18-40,000 Hz,  $\pm 0.5$  dB, front; THD 0.05% front, 0.38% surround.  $6\frac{3}{4} \times 9 \times 4\frac{1}{4}$  in. . . \$50/pr

## HEYBROOK BY D'ASCANIO AUDIO

All Heybrook speakers come with a limited 5-year warranty.

### HB-3 3-Way Speaker

Hand-assembled acoustic-suspension speaker with 10-in doped-cone woofer;  $4\frac{1}{2}$ -in doped-cone midrange and  $\frac{1}{4}$ -in soft-dome tweeter; removable rear panel for bi- and triamping; walnut or black-ash finish. FR 35-20,000 Hz  $\pm 3$  dB; power range 15-200 W.  $13\frac{3}{8} \times 25 \times 11\frac{1}{8}$  in; 46 lb . . . . . \$1,598/pr

### HB-200 2-Way Speaker

Dual-reflex-tuned speaker with  $6\frac{1}{2}$ -in woofer and metal-dome tweeter. Black-ash or walnut finish. FR 34-22,000 Hz; sens 88 dB; nom imp 8 ohms; power range 15-100 W.  $11 \times 18 \times 9$  in . . . . . \$999/pr

### HB-150 2-Way Speaker

Dual-reflex-tuned speaker with  $6\frac{1}{2}$ -in woofer and metal-dome tweeter. Black-ash or walnut finish. Frequency response 40-22,000 Hz; sens 88 dB; nominal impedance imp 6 ohms; power range 15-100 W.  $9 \times 16 \times 9$  in . . . . . \$799/pr

### HB-100 2-Way Speaker

Infinite-baffle speaker with 8-in woofer and metal-dome tweeter. Features black or wood-grain finish. FR 50-20,000 Hz; sens 89 dB; nom imp 8 ohms; power range 15-100 W.  $11 \times 19 \times 10$  in . . . . . \$649/pr

### Solo 2-Way Speaker

Infinite-baffle speaker with  $6\frac{1}{2}$ -in woofer and metal-dome tweeter. Features black finish. FR 45-24,000 Hz; sens 87 dB; nom imp 6 ohms; power range 15-75 W;  $9 \times 16 \times 9$  in . . . . . \$449/pr

### Point Five 2-Way Bookshelf Speaker

Hand-assembled infinite-baffle speaker with  $6\frac{1}{2}$ -in doped-cone woofer;  $\frac{1}{4}$ -in dome tweeter; structurally rigid cabinet; black finish. Frequency response 50-20,000 Hz  $\pm 3$  dB; power range 15-75 W; sensitivity 87 dB; nominal impedance 6 ohms.  $9 \times 14 \times 9$  in . . . . . \$329/pr

## HITACHI

### HSA 4020 4-Way Speaker

8-in dual woofer, 6-in woofer, 5-in midrange,  $\frac{1}{2}$ -in tweeter. Tall-boy style for use with 46-in projection TV's, magnetically shielded; detachable cloth grill. Power handling 150 W. \$700/pr

### HSW50 3-Way Speaker

3-way slimline acoustic-suspension speaker with 8-in woofer, 5-in midrange, and  $\frac{1}{4}$ -in dome tweeter. Power handling 70 W. Matte-black finish.  $9\frac{3}{8} \times 30 \times 9\frac{1}{8}$  in . . . . . \$500/pr

### HSA 3055 3-Way Speaker

Bass-reflex speaker with 10-in woofer, 3-in midrange, and 2-in tweeter. Features circuit breaker. Custom-designed wood cabinet; detachable. Power handling 60 W . . . . . \$300/pr

### HS40 2-Way Bookshelf Speaker

2-way acoustic-suspension speaker with  $6\frac{1}{2}$ -in woofer and  $\frac{1}{2}$ -in polycarbonate-dome tweeter. Power handling 50 W. Matte-black finish.  $8\frac{1}{4} \times 14\frac{1}{2} \times 9\frac{1}{2}$  in . . . . . \$290/pr

### HSA2029 2-Way Speaker

Bass-reflex speaker with 8-in woofer and 2-in tweeter. Features wood cabinet. Power handling 45 W . . . . . \$200/pr

## ICON ACOUSTICS

### Icon Parsec 3-Way Speaker

Floor-standing speaker with 1-in metal-dome tweeter,  $6\frac{1}{2}$ -in polypropylene midrange, and 10-in graphite-impregnated woofer. Features crossovers utilizing only polypropylene and polystyrene capacitors; internal wiring from AudioQuest; 2 pairs of gold-plated 5-way binding posts for optional biwiring. Recommended power 50-350 W; FR 25-22,000 Hz  $\pm 3$  dB; sens 87 dB SPL/W/m; imp 8 ohms; crossover points 350 Hz, 1500 Hz. Comes in braced cabinets finished in walnut, oak, or black oak veneer finish. Optional carpet spikes.  $12 \times 47 \times 16$  in; 95 lb ea . . . . . \$1,495/pr

### Icon Lumen 2-Way Speaker

Bookshelf speaker with 1-in metal-dome tweeter and  $6\frac{1}{2}$ -in polypropylene woofer. Features crossovers utilizing only polypropylene and polystyrene capacitors; internal wiring from AudioQuest; 2 pairs of gold-plated 5-way binding posts for optional biwiring. Recommended power 20-150 W; FR 55-22,000 Hz  $\pm 3$  dB; sens 87 dB SPL/W/m; imp 8 ohms; crossover frequency point 1,500 Hz. Walnut, oak, or black oak veneer finish.  $9\frac{1}{2} \times 18 \times 10\frac{1}{2}$  in; 26 lb ea \$695/pr

## INFINITY

### IRS Series

#### IRS Series V Reference 3-Way Speaker

Modular 4-piece 3-way floor-standing speaker. Features 2 woofer modules with six 12-in woofers in feedback loop with servo amp (two 2,000-W woofer amps); 2 midrange/tweeter modules with 12 midrange drivers in dipole arrangement; 36 tweeters in dipole line-source array (24 front/12 rear-facing); variable low-pass filters; low-pass variable damping; woofer-level controls; selectable input imp midrange/tweeter amp control; woofer phase switch; servo-bass on/off switch; Monster Cable for all internal wiring. FR 15-45,000 Hz,  $\pm 2$  dB. Crossover frequencies: 70, 4,500 Hz. Midrange/tweeter amp input range 100-500 W/ch; imp 4 ohms; oiled and Brazilian rosewood finish; 100-ft cable for hookup of high-frequency drivers to midrange/tweeter amp. Woofer modules:  $20\frac{3}{4} \times 90 \times 28\frac{1}{2}$  in; midrange/tweeter modules:  $47 \times 90 \times 17$  in; base footprint:  $38 \times 12$  in; 1,500 lb . . . . . \$50,000/sys

#### IRS Beta 5-Way Speaker

Includes (per side) four servo-controlled 12-in woofers, each with polypropylene/graphite injection-molded cones; 2 upper bass/midrange planar push-pull drivers which act as dipole; low-mass EMIT transducer with neodymium magnets for upper midrange; low mass/neodymium EMIT's from IRS V (in dipole configuration) for lower treble; SEMIT (smaller aperture EMIT) which extends response beyond 44 kHz. The system operates in bi-amp mode and includes the IRS V servo control unit; active and passive crossover control. Monster Cable for all internal wiring. Power handling 75-300 W cont (mid/tweeter), 150-500 W cont (bass); imp 4 ohms; FR 15-45,000 Hz,  $\pm 2$  dB. Crossover frequencies: 100, 750, 4,500, 10,000 Hz. Woofer module:  $16\frac{1}{2} \times 64\frac{3}{4} \times 14\frac{1}{2}$  in; mid/tweeter module:  $17 \times 64\frac{3}{4} \times 1$  in; base footprint  $18 \times 17$  in; 215 lb . . . . . \$11,950/sys

### Kappa Series

#### 9 Kappa Reference Standard 5-Way Speaker

Features two 12-in cast frame woofers; 5-in polypropylene/graphite midbass; 3-in edgewound midrange; rear-firing EMIT k tweeter; SEMIT k supertweeter. Internal

crossovers; biampable. Monster Cable for all internal wiring. Oak solids and veneer high-density particle board with furniture-grade lacquer finish. FR 29-45,000 Hz,  $\pm 3$  dB; crossover frequencies 80, 800, 4,500 Hz; power handling 60-340 W/rms; sens 89 dB SPL/W/m; imp 4-6 ohms.  $21\frac{1}{2} \times 59\frac{1}{2} \times 8$  in . . . . . \$2,998/pr

#### 8 Kappa Reference Standard 4-Way Speaker

Similar to 9 Kappa without supertweeter. Monster Cable for all internal wiring. FR 33-45,000 Hz,  $\pm 3$  dB; power handling 50-250 W/rms; sens 89 dB SPL/W/m; imp 4-6 ohms.  $20\frac{1}{2} \times 47\frac{1}{2} \times 8$  in . . . . . \$1,998/pr

#### 7 Kappa Reference Standard 3-Way Speaker

Similar to 8 Kappa with 12-in woofer, 3-in midrange, and EMIT k tweeter. Monster Cable for all internal wiring. Power handling 40-200 W rms; imp 4-6 ohms; FR 37-45,000 Hz,  $\pm 3$  dB; crossover frequencies 800, 4,500 Hz; sens 88 dB SPL/W/m.  $17 \times 37 \times 12$  in . . . . . \$1,498/pr

#### 6 Kappa Reference Standard 3-Way Speaker

Similar to 7 Kappa except with 10-in woofer. Monster Cable for all internal wiring. Power handling 30-150 W/rms; imp 4-6 ohms; FR 39-45,000 Hz,  $\pm 3$  dB; sens 88 dB SPL/W/m; crossover frequencies 800, 4,500 Hz.  $15 \times 25 \times 10\frac{1}{2}$  in . . . . . \$1,098/pr

**Kappa Oak Pedestal Base.** Pedestal base for 6 Kappa Reference Standard speaker . . . \$129/pr

#### 5 Kappa Reference Standard 2-Way Speaker

Bookshelf design featuring  $6\frac{1}{2}$ -in graphite woofer and EMIT k tweeter. Monster Cable for all internal wiring. Power handling 20-100 W rms; FR 49-45,000 Hz,  $\pm 3$  dB; sens 87 dB SPL/W/m; imp 4 ohms; crossover frequency 4,500 Hz. Oak hardwood solids and veneers.  $10\frac{1}{2} \times 17 \times 9$  in . . . . . \$798/pr

### SM Series

#### SM 153 3-Way Speaker

Floor-standing bass-reflex design with 15-in woofer, two  $4\frac{1}{2}$ -in midranges, and 2-in Polycell tweeter. Power handling 300 W cont; FR 44-25,000 Hz  $\pm 3$  dB; sens 102 dB SPL/W/m; crossover frequencies 500 and 5,500 Hz; imp 8 ohms. Walnut vinyl finish.  $17\frac{3}{4} \times 40 \times 12\frac{1}{2}$  in . . . . . \$1,198/pr

#### SM 122 3-Way Speaker

Floor-standing bass-reflex design with front-mounted high- and mid-level controls. Features 12-in cone woofer,  $4\frac{1}{2}$ -in polypropylene-coated midrange, and 1-in Polycell tweeter. Power handling 200 W cont; FR 49-25,000 Hz  $\pm 3$  dB; sens 100 dB SPL/W/m; imp 8 ohms. Walnut vinyl finish.  $14\frac{1}{4} \times 35\frac{1}{4} \times 12\frac{1}{2}$  in . . . . . \$918/pr

#### SM 112 2-Way Speaker

Floor-standing bass-reflex design with front-mounted high- and mid-level controls. Features 10-in cone woofer, and 1-in Polycell tweeter. Power handling 150 W cont; FR 65-25,000 Hz  $\pm 3$  dB; sens 100 dB SPL/W/m; imp 8 ohms. Walnut vinyl finish.  $12 \times 21 \times 12$  in . . . . . \$538/pr

#### SM 82 2-Way Bookshelf Speaker

Features 8-in cone woofer, and 1-in Polycell tweeter. Power handling 125 W cont; FR 72-25,000 Hz  $\pm 3$  dB; sens 98 dB SPL/W/m; imp 8 ohms. Walnut vinyl finish.  $11\frac{1}{4} \times 18 \times 10\frac{1}{2}$  in . . . . . \$438/pr

### RS Series

#### RS 6001 3-Way Speaker

Floor-standing design features two 8-in graphite woofers, 2-in polyspherite midrange, and EMIT k tweeter. Power handling 200 W cont; FR 42-45,000 Hz,  $\pm 3$  dB; sens 89 dB SPL/W/m; imp 6 ohms; crossover frequencies 600, 4,200

# SPEAKERS

HZ. Chatsworth-oak vinyl or black-oak vinyl. 11½ x 37 x 9¾ in. .... \$1,058/pr  
**RS 5001.** Similar to above, single 8-in woofer; power handling 125 W cont. .... \$738/pr

## RS Powered Subwoofer

Features 10-in graphite woofer; 100-W servo-driven amplifier. Crossover-frequency control; switchable high-pass satellite filter. Bass response down to 30 Hz. .... \$600 ea

## RS 4001 3-Way Speaker

Features 8-in graphite woofer, 2-in polyspherite midrange, and ¾-in polyspherite tweeter. Power handling 125 W; FR 44-22,000 Hz, ± 3 dB; sens 89 dB SPL/W/m; imp 6 ohms; crossover frequencies 600, 4,000 Hz. Chatsworth-oak or black-oak vinyl. 11½ x 22½ x 9¾ in. .... \$538/pr

## RS 3001 2-Way Speaker

Features 8-in graphite woofer and ¾-in polyspherite tweeter. Power handling 100 W cont; FR 45-22,000 Hz, ± 3 dB; sens 89 dB SPL/W/m; imp 6 ohms; crossover frequency 4,000 Hz. Chatsworth-oak vinyl or black-oak vinyl. 11½ x 20¼ x 9¾ in. .... \$398/pr

## RS 2001 2-Way Speaker

Features 6½-in graphite woofer and ¾-in polyspherite tweeter. Power handling 75 W cont; FR 55-22,000 Hz, ± 3 dB; sens 89 dB SPL/W/m; imp 6 ohms; crossover frequency 4,800 Hz. Chatsworth-oak vinyl or black-oak vinyl. 8½ x 14¼ x 7¼ in. .... \$238/pr

## RS 1001 2-Way Speaker

Features 4½-in graphite woofer and ½-in polyspherite tweeter. Power handling 50 W cont; FR 70-22,000 Hz, ± 3 dB; sens 89 dB SPL/W/m; imp 6 ohms; crossover frequency 4,500 Hz. Chatsworth-oak vinyl or black-oak vinyl. 7½ x 12¼ x 6½ in. .... \$170/pr

## Environmental Reference Standard Series

### ERS 800 2-Way In-Wall Speaker

Features 8-in graphite woofer and EMIT k tweeter; tweeter control. .... \$600/pr

### ERS 600 2-Way In-Wall Speaker

Features 6-in graphite woofer and polyspherite tweeter; independent tweeter control. .... \$350/pr

### ERS 500 2-Way In-Wall Speaker

Features 5¼-in coaxial speaker. .... \$275/pr

## Modulus System

### Modulus 2-Way Bookshelf/Wall-Mount Speaker

Modulus speakers can be used as bookshelf/satellite speakers or wall/pedestal mounts. Features 5¼-in graphite woofer and EMIT tweeter. Triangular iso-tip ft; wall bracket/self-damping isolation mounting plate. .... \$1,000/sys  
**Pedestal.** 25-in pedestal for Modulus speaker system. .... \$300/pr  
**Modulus Wall Brackets.** .... \$129/pr

### Modulus Powered Subwoofer

Integrates with Modulus system. Features 12-in graphite woofer; 200-W servo-driven amplifier. Separate subwoofer control box includes variable low-frequency cut-off, 2-position rumble filter; low-frequency-level control; absolute phase switch; active high-pass satellite control. Bass response extends to 22 Hz. .... \$2,000 ea

## INTEGRAL AUDIO

### Point Source 2 Speaker

3-way air-suspension speaker with mirror-imagined cluster as driver configuration. Features

12-in polycone woofer, two 6½-in polycone midrange drivers; 1-in soft dome tweeter. Power handling 20-200 W/ch; FR 30-20,000 Hz ± 2 dB; sens 91 dB W/m. High-gloss black-laminate finish. 3-year warranty. 16 x 42 x 10½ in. 68 lb. .... \$995/pr

## INTERNATIONAL COMPONENTS

### BHP-1062 2-Way Speaker

2-way mini speaker with 5¼-in long-throw woofer with 30-oz magnet and 1-in soft-dome tweeter with 15-oz magnet. Features circuit breaker; crossover network. Recessed, quick-connect speaker terminals; black, snap-on, open-weave grilles. FR 50-21,000 Hz; imp 8 ohms. Simulated walnut enclosures. .... \$139/pr

### MS-500AV Powered Speaker

Pocket-sized acoustic-suspension speaker with power booster for use with mini-stereo systems. Uses 4 penlite batteries or 6 V dc power supply, not included. .... \$32/pr

## JACKSON

### Auralight Series

#### AU-6 3-Way Speaker

8-in driver, 6½-in woofer, 1-in aluminum-dome tweeter. ½-in polycarbonate-dome super tweeter. Features radiused pyramidal enclosure; critically damped, slot loaded; 26-element crossover features additional resonance, beam filtering, and imp compensation. FR 48-20,000 Hz ± 3 dB; sens 87 dB W/m. Navajo white with camel grille or black on black. 28 lb. .... \$1,799/pr

#### AU-3 3-Way Speaker

5¼-in woofer, 1-in polyimide-dome tweeter, ½-in polycarbonate-dome supertweeter. Features radiused pyramidal enclosure; 17-element crossover features additional resonance, beam filtering, and imp compensation. FR 85-20,000 Hz ± 3 dB; sens 87 dB W/m. Navajo white with camel grille or black on black. 7½ x 13½ x 4¼ in; 10.5 lb. .... \$929/pr

#### AU-20 Subwoofer

15-in passive driver, 10-in subwoofer. Features radiused slant-faced enclosure; critically damped, slot loaded; Crossover self-adjusts at 125 Hz for AU-3 or 90 Hz for AU-6 as satellite. Patented interior enclosure treatment. FR 0-33 Hz ± 3 dB; sens 90 dB W/m. Navajo white with camel grille or black on black. 18 x 17½ x 18½ in; 59 lb. .... \$899 ea

## JAMO

### S-100 2-Way Bookshelf Speaker

Bass-reflex speaker with 1-in dome tweeter and 5-in woofer. Power handling 60 W cont; FR 45-20,000 Hz; crossover point 3,500 Hz; imp 8 ohms. Black or white finish. 6¾ x 10¼ x 8¾ in; 8 lb. .... \$298/pr

### Jamo Outdoor 2-Way Speaker

Water-resistant speaker with ¾-in dome tweeter and 4-in woofer. Power handling 50 W; frequency response 80-20,000 Hz; crossover point 4,500 Hz; imp 8 ohms. Black or white finish. 5¼ x 7¾ x 3¼ in; 3 lb. .... \$238/pr

### S-60 2-Way Speaker

Bass-reflex speaker with 2-in cone tweeter and 4-in woofer. FR 70-20,000 Hz; crossover point 3,000 Hz; imp 6 ohms. Black or white finish. 5¼ x 7¼ x 7 in; 4 lb. .... \$198/pr

### Professional Series

Professional Series speakers feature 3-way

bass-reflex design and incorporate Jamo's proprietary Controlled Dispersion array of multiple horn-mounted tweeters. Other highlights include XLR connectors and screw terminals for large cables; removable wire-mesh grilles; black finish; rollers; reinforced corners, and a self-locking fixture for easy stacking.

### Professional 400

Features 15-in woofer; 5-in horn midrange; five 1-in horn tweeters. Peak power handling 560 W; continuous power handling 400 W; sens 95 dB SPL/W/m; FR 25-20,000 Hz ± 3 dB; crossover points 900 and 4,000 Hz; imp 8 ohms; max SPL 121 dB. 20½ x 35½ x 16¼; 93 lb. .... 1,798/pr

### Professional 300

Features 12-in woofer; 5-in horn midrange; three 1-in horn tweeters. Peak power handling 420 W; continuous power handling 300 W; sens 94 dB SPL/W/m; FR 30-20,000 Hz ± 3 dB; crossover points 1,000 and 5,000 Hz; imp 8 ohms; max SPL 118 dB. 17¼ x 29½ x 13¼; 57 lb 1.198/pr

### Professional 200

Features 10-in woofer; 5-in horn midrange; 1-in horn tweeter. Peak power handling 280 W; continuous power handling 200 W; sens 93 dB SPL/W/m; FR 35-20,000 Hz ± 3 dB; crossover points 1,200, 6,000 Hz; imp 8 ohms; max SPL 116 dB. 14¼ x 26 x 11½ in; 42 lb. .... \$798/pr

### Concert Series

#### Concert VII 3-Way Speaker

Bass-reflex speaker with 1-in dome tweeter, 6½-in midrange and 6½-in woofer. Power handling 300 W cont; 300 W peak power; FR 24-22,000 Hz ± 3 dB; crossover points 150, 4,000 Hz; impedance 8 ohms. 11¼ x 36¼ x 12¼ in; 62 lb. .... \$1,698/pr

#### Concert V 3-Way Speaker

3-way bass reflex speaker with 6½-in woofer and 1-in dome tweeter. Power handling 110 W cont; 160 W peak; sensitivity 93 dB SPL/W/m; frequency response 30-22,000 Hz ± 3 dB; crossover points 150, 3,500 Hz; imp 6 ohms; overload protection; 24K gold-plated binding posts. White, mahogany, or black-ash finish. 14 x 31½ x 11 in; 42 lb. .... \$1,198/pr

#### Concert II 2-Way Bookshelf Speaker

Bass-reflex speaker with 6½-in woofer and 1-in dome tweeter. Power handling 80 W cont; 120 W peak; sens 91 dB SPL/W/m; FR 40-20,000 Hz ± 3 dB; crossover point 2,000 Hz; imp 8 ohms; overload protection; 24 gold-plated binding posts. White mahogany, or black-ash finish. 9½ x 16 x 10 in; 20 lb. .... \$750/pr

### BX Line

All BX speakers feature black finish and detachable, fabric cover.

### BX-200 3-Way Speaker

Bass-reflex speaker with 12-in woofer, 3-in midrange and 1-in horn tweeter. Power handling 250 W cont; 350 W max; FR 30-20,000 Hz; crossover points 2,000, 3,000 Hz; imp 8 ohms. 17 x 28 x 13 in; 39 lb. .... \$698/pr

### BX-150 3-Way Speaker

Bass-reflex speaker with 10-in woofer, 3-in midrange and 1-in horn tweeter. Power handling 150 W cont, 250 W max; FR 35-20,000 Hz; crossover points 2,300, 5,000 Hz; imp 8 ohms. 15 x 25 x 12 in; 30 lb. .... \$598

### BX-100 3-Way Speaker

Bass-reflex speaker with 8-in woofer, 3-in midrange, and 1-in horn tweeter. Power handling 100 W cont, 150 W max; FR 40-20,000 Hz;

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crossover points 2,000, 4,000 Hz; imp 8 ohms. 12 x 21 x 11 in; 22 lb ..... \$498

## Classic Series

### CL-30 3-Way Speaker

Bass-reflex, floor-standing speaker with 1-in dome tweeter, 4-in midrange, and 8-in woofer. Power handling 120 W cont; crossover points 2,500, 5,000 Hz; FR 40-20,000 Hz; sens 92.5 dB SPL/W/m; imp 8 ohms. Black finish. 10 $\frac{1}{4}$  x 33 $\frac{1}{4}$  x 10 $\frac{1}{4}$  in; 29 lb ..... \$598/pr

### CL-25 3-Way Speaker

Bass-reflex, bookshelf speaker with 1-in dome tweeter, 4-in midrange, and 8-in woofer. Power handling 120 W cont; FR 37-20,000 Hz; crossover points 2,500, 5,000 Hz; sens 92.5 dB SPL/W/m; imp 8 ohms. Black finish. 10 $\frac{1}{4}$  x 21 $\frac{1}{8}$  x 10 $\frac{1}{4}$  in; 25 lb ..... \$498

### CL-20 2-Way Speaker

Bass-reflex, bookshelf speaker with 1-in dome tweeter and 8-in woofer. Power handling 40 W cont; FR 35-20,000 Hz; crossover point 3,500 Hz; sens 92 dB; imp 8 ohms. Black finish. 10 $\frac{1}{4}$  x 18 $\frac{1}{2}$  x 10 $\frac{1}{4}$  in; 18 lb ..... \$398/pr

## Wall-Mount Speakers

### Art 2-Way Speaker

Flat panel, wall-hanging speaker works as full-range or satellite unit. Features 5-in woofer, 1-in dome tweeter; power handling 90 W; 60 W continuous power; sens 88 dB/W/m; FR 40-20,000 Hz,  $\pm 3$  dB; crossover point 3,000 Hz; imp 8 ohms. Black, white, and grey lacquer finishes. 13 $\frac{3}{4}$  x 15 $\frac{1}{4}$  x 3 $\frac{1}{2}$  in; 11 lb ..... \$498/pr

### Converta 2-Way Speaker

Dish-shaped wall mount/hanging speaker with 4-in woofer and 2-in tweeter. Power handling 50 watts continuous; frequency response 80-20,000 Hz; crossover point 2,500 Hz; impedance 8 ohms. Comes in black, white, steel, mint green, pink, and violet finishes. 9 $\frac{1}{4}$ -in diameter; 4.5 lb ..... \$398

## Magic Series

### Magic 10 3-Way Speakers

Bass-reflex system with 8-in woofer, 3 $\frac{1}{4}$ -in midrange, and 1-in dome tweeter. Power handling 100 W cont; max power 140 W; frequency response 43-20,000 Hz; crossover points 1,500, 4,000 Hz; imp 8 ohms. Black finish. 11 x 18 $\frac{1}{2}$  x 8 $\frac{1}{2}$  in ..... \$398/pr

### Magic 8 3-Way Speakers

Bass-reflex system with 6 $\frac{1}{2}$ -in woofer, 2-in midrange, and 1-in dome tweeter. Power handling 80 W cont; max power 120 W; FR 47-20,000 Hz; crossover points 1,500, 5,000 Hz; imp 8 ohms. Black finish. 9 $\frac{1}{2}$  x 16 $\frac{1}{2}$  x 8 $\frac{1}{2}$  in ..... \$298/pr

### Magic 6 3-Way Speakers

Bass-reflex system with 5-in woofer, 2-in midrange, and 1 $\frac{1}{2}$ -in tweeter. Power handling 90 W; FR 55-20,000 Hz; crossover points 4,000, 8,000 Hz; imp 8 ohms. Black finish. 7 $\frac{1}{2}$  x 12 x 8 $\frac{3}{4}$  in ..... \$198/pr

## Subwoofer Series

### SW-300 Subwoofer

Subwoofer with dual 8-in woofers. Features push-pull coupling between woofers. Includes individual adjustment of bass level up to 4 dB. Power handling 100 watts continuous; frequency response 30-20,000 Hz; crossover point 200 Hz; impedance 8 ohms. Black or white finish. 8 $\frac{1}{4}$  x 13 $\frac{1}{4}$  x 18 $\frac{1}{2}$  in ..... \$349 ea

SW-300 System. Two SAT-300 satellites and one SW-300 subwoofer ..... \$599/sys

### SAT-300 2-Way Speaker

Bookshelf or wall-mount speaker with 4-in woofer and 1 $\frac{1}{2}$ -in dome tweeter. Power handling 50 W cont; FR 80-20,000 Hz; crossover point 3,500 Hz; imp 8 ohms. Black or white finish; mounting kit included. 5 $\frac{1}{4}$  x 8 x 3 in ... \$260/pr

SW-10 System. Two S-10 satellites and one SW-10 subwoofer ..... \$499/sys

### S-10 2-Way Speaker

Bookshelf or wall-mount speaker with 4-in woofer and 2-in cone tweeter. Power handling 50 W cont; FR 80-20,000 Hz; crossover point 4,500 Hz; imp 8 ohm. Black or white finish; mounting kit included. 5 $\frac{1}{4}$  x 7 $\frac{1}{8}$  x 3 $\frac{1}{4}$  in \$198/pr

### SW-10 Subwoofer

Subwoofer with dual 6 $\frac{1}{2}$ -in woofers. Features push-pull coupling between the woofers. Power handling 100 watts continuous; frequency response 35-20,000 Hz; crossover point 300 Hz; impedance 8 ohms. Black or white finish. Dimensions: 13 $\frac{1}{4}$  x 7 $\frac{1}{8}$  x 18 $\frac{1}{8}$  ..... \$349 ea

ST-51 Speaker Stand. Stand for S-10 and SAT-300 satellite speakers. Brushed aluminum finish ..... \$149/pr

## Compact-Line Series

### C120 3-Way Bookshelf Speaker

Bass-reflex speaker with 8-in dual-magnet woofer, 5-in midrange, and 1-in dome tweeter. FR 38-20,000 Hz  $\pm 3$  dB; 140 W peak; 120 W power handling; sens 92 dB SPL/W/m; crossover points 1,200 and 5,000 Hz; imp 8 ohms. Black or white finish. 10 $\frac{1}{4}$  x 16 $\frac{1}{2}$  x 8 $\frac{3}{4}$ ; 14.3 lb ..... \$338/pr

### C90 3-Way Bookshelf Speaker

Bass-reflex speaker with 8-in cone woofer, 3 $\frac{1}{4}$ -in cone midrange, and 1-in dome tweeter. FR 40-20,000 Hz  $\pm 3$  dB; 120 W peak; cont power handling 90 W; sens 91.6 dB SPL/W/m; crossover points 1,200, 4,000 Hz; imp 8 ohms. Black or white finish. 9 x 14 $\frac{1}{2}$  x 8 $\frac{1}{4}$  in; 11 lb .. \$278/pr

### C70 2-Way Bookshelf Speaker

Bass-reflex speaker with 6 $\frac{1}{2}$ -in woofer and 1-in dome tweeter. FR 45-20,000 Hz  $\pm 3$  dB; 90 W peak; cont power handling 70 W; sens 90 dB SPL/W/m; crossover point 2,500 Hz; imp 8 ohms. Black or white finish. 7 $\frac{1}{2}$  x 12 x 8 $\frac{1}{4}$ ; 8.4 lb ..... \$198/pr

## JBL

### Model 250 Ti 4-Way Speaker

14-in woofer, 8-in lower midrange, 5-in polypropylene midrange, and 1-in titanium-diaphragm tweeter. Features symmetrical-field-geometry magnet structure. Power 400 watts continuous; impedance eight ohms; crossover points 400, 1,400, 5,200 Hz; sens 90 decibels SPL/W/m. Black lacquer finish. 22 $\frac{1}{2}$  x 52 x 14 $\frac{1}{4}$  in; 126 lb ea ..... \$2,499

## Harbor Series

### 250Ti Sanibel 4-Way Speaker

Titanium-dome tweeter, polypropylene midrange in mirror imaged pairs. Features symmetrical-field-geometry magnet structure. Power handling 400 watts ..... \$2,499 ea

### S119 Catalina 2-Way Speaker

Omnidirectional speaker. Features four 1 $\frac{1}{2}$ -in titanium-laminate woofer, 8-in high-polymer laminate woofer. Power handling 100 watts; sensitivity 88 decibels; impedance eight ohms. 40 lb ..... \$849 ea

### S118 Mackinac 3-Way Speaker

Bookshelf speaker with 1-in titanium dome tweeter, 5-in high-polymer mid-bass; 8-in polymer-laminate woofer. Power handling 150 W; sens 81 dB; imp 8 ohms. 42 lb ..... \$579 ea

### S116 Montauk 2-Way Speaker

Bookshelf speaker with 1-in titanium dome tweeter, 6 $\frac{1}{2}$ -in high-polymer woofer. Power handling 125 W; sens 91 dB; imp 8 ohms. 33 lb ..... \$349 ea

S115 Newport. As above, with 1 $\frac{1}{2}$ -in titanium-dome tweeter, 5 $\frac{1}{4}$ -in high-polymer woofer. Power handling 80 W; sens 88 dB. 16 lb \$249 ea

### S-4 2-Way Wall-Mount Speaker

Features 1-in titanium-dome tweeter and 6 $\frac{1}{2}$ -in polymer-laminate woofer. Flush-mounting capability; can be used with S-1 subwoofer. Power handling 100 W cont, 120 W max; imp 8 ohms; sens 88 dB SPL/W/m; FR 125-22,000 Hz. 8 $\frac{3}{4}$  x 12 x 3 $\frac{1}{2}$  in; 16 lb ..... \$329/pr

S-3. As above, with 5 $\frac{1}{4}$ -in polymer-laminate woofer. Power handling 120 W cont; sens 86 dB SPL/W/m; FR 125-22,000 Hz. 7 $\frac{1}{4}$  x 10 $\frac{1}{2}$  x 3 $\frac{1}{2}$  in; 14 lb ..... \$269/pr

## L Series

### L200t3 3-Way Speaker

Floor-standing speaker with 2-in titanium diaphragm tweeter, 8 $\frac{3}{4}$  x 7 $\frac{1}{2}$  in horn, 12-in aquaplas-laminate die-cast woofer. Max power handling 400 W; sens 94 dB; imp 8 ohms. 96 lb ..... \$1,998/pr

### L100t3 3-Way Speaker

Floor-standing speaker with 12-in aquaplas-laminate woofer, 5-in polymer-laminate midrange, and 1-in titanium-diaphragm tweeter. Power handling 400 W cont; FR 35-27,000 Hz; crossover points 800 and 4,500 Hz; sens 91 dB SPL/W/m; imp 8 ohms. Oak- or walnut-veneer finish. 14 $\frac{1}{2}$  x 36 $\frac{1}{4}$  x 15 $\frac{1}{4}$  in; 58 lb/ea .. \$1,458/pr

### L80t3 3-Way Speaker

Floor-standing speaker with 10-in aquaplas-laminate woofer; 5-in polymer-laminate midrange; 1-in titanium-diaphragm tweeter. Power handling 300 W cont; FR 40-27,000 Hz; crossover points 800 and 4,500 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Oak- or walnut-veneer finish. 12 $\frac{3}{4}$  x 32 x 14 $\frac{1}{4}$  in; 44 lb ea ..... \$1,158/pr

### L40t3 2-Way Bookshelf Speaker

Features 8-in polymer-laminate woofer and 1-in titanium-dome tweeter. Power handling 250 W cont; FR 45-27,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. Oak- or walnut-veneer finish. 11 $\frac{1}{4}$  x 21 x 9 $\frac{1}{4}$  in; 24 lb ea ..... \$838/pr

### L20t3 2-Way Bookshelf Speaker

Features 6 $\frac{1}{2}$ -in polypropylene woofer and 1-in titanium-dome tweeter. Power handling 100 watts cont; FR 55-27,000 Hz; crossover point 3,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Oak- or walnut-veneer finish. 9 $\frac{1}{4}$  x 15 $\frac{1}{2}$  x 8 $\frac{1}{4}$  in; 14 lb ea ..... \$638/pr

## XPL Series

### XPL 200 4-Way Speaker

Floor-standing with 1-in titanium-dome tweeter, 3-in titanium midrange, and 6 $\frac{1}{2}$ -in polypropylene die-cast mid-bass, 12-in aquaplas-laminate woofer. Power handling 800 W; sens 90 dB; imp 6 ohms. Black-lacquer finish. 90 lb ..... \$1,699 ea

### XPL 160 3-Way Speaker

Floor-standing with 1-in titanium-dome tweeter, 3-in titanium mid-bass, 10-in aquaplas-lami-

# SPEAKERS

nate woofer. Power handling 600 W; sens 90 dB, imp 6 ohms. Black-lacquer finish. 62 lb ..... \$1,249 ea  
**XPL 140.** As above, with 8-in diecast polymer laminate woofer. Power handling 400 W; sens 87 dB. 55 lb ..... \$999 ea

## XPL 90 2-Way Bookshelf Speaker

Features 1-in titanium-dome tweeter, 6½-in polypropylene woofer. Power handling 400 W; sens 87 dB; imp 6 ohms ..... \$649 ea

## LX Series

### LX55 3-Way Speaker

Floor-standing speaker with 10-in polymer-laminate woofer, 5-in midrange and 1-in titanium-dome tweeter. Power handling 200 W cont; FR 40-20,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms; crossover points 800, 4,000 Hz. Walnut or black finish. 13¼ x 26¼ x 12 in ..... \$838/pr

### LX44 3-Way Speaker

Floor-standing speaker with 8-in polymer-laminate woofer, 5-in mid-range and 1-in titanium-dome tweeter. Power handling 150 W cont; FR 45-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 800, 4,000 Hz. Walnut or black finish. 11¼ x 23½ x 12 in ..... \$598/pr

### LX22 2-Way Bookshelf Speaker

Features 6½-in polymer-laminate woofer and 1-in titanium-dome tweeter. Power handling 125 W cont; FR 45-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Walnut or black finish. 10 x 15¼ x 8¼ in ..... \$378/pr

## Pro Performer Series

### Pro III Plus 3-Way Shielded Speaker

AV monitor with 1-in titanium-dome tweeter, 5-in polymer midrange, and 8-in dual voice coil woofer. Features magnetic shielding. Power handling 100 W max; sens 90 dB SPL/W/m; imp 8 ohms ..... \$659/pr  
**MTC-3.** Bracket for mounting Pro III to variety of surfaces. 3.13 lb ..... \$99/pr

### Pro Performer Plus 3-Way Speaker

3-piece shielded AV system, 4.5-in fiber cone, 8-in dual voice-coil polymer woofer. Power handling 100 W; imp 8 ohms, 88 dB. Mounting hardware, black- or white-matte finish. \$439/pr  
**Pro Performer.** As above, with 2-piece AV system without 8-in woofer. Power handling 60 W; sens 88 dB ..... \$199/pr

### Pro VIII 2-Way Shielded Speaker

Wall-mount speaker with 1-in titanium-dome tweeter, 6½-in high-polymer-laminate woofer; optional wall and ceiling-mounting hardware; magnetic shielding. Power handling 150 W cont; sens 90 dB SPL/W/m; FR 55-27,000 Hz; imp 8 ohms; crossover point 3,000 Hz ..... \$429/pr  
**MTC-51.** Wall-mounting system for Pro VIII 2-way speakers. Black. 12 lb ..... \$199/pr

### Pro III 2-Way Speaker

AV monitor with 1-in titanium-dome tweeter, 5-in polymer mid-bass. Features magnetic shielding; die-cast enclosure. Power handling 100 W max; sens 87 dB SPL/W/m ..... \$299/pr  
**MTC-2.** Wall/ceiling mount system. Allows Pro III to be mounted on any rigid surface aimed in almost any direction. Includes MTC-1. \$69 ea

## JBL Series

### JBL3800 3-Way Speaker

Floor-standing speaker with 8-in polymer-laminate woofer, 5-in midrange and ½-in titanium-dome tweeter. Power handling 150 W cont; FR 50-23,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms;

crossover points 800 and 4,500 Hz. Oak finish ..... \$558/pr

### JBL2800 2-Way Bookshelf Speaker

Features 8-in polymer-laminate woofer and ½-in pure-titanium dome tweeter. Power handling 125 W cont; FR 55-23,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms; crossover frequency 2,500 Hz. Oak finish. 11 x 22½ x 9½ in; 20 lb ea. \$358/pr  
**JBL2600.** As above, with 6½-in woofer. Power handling 100 W cont; FR 60-23,000 Hz; crossover point 3,000 Hz ..... \$258/pr  
**JBL2500.** As above, with 5¼-in woofer. Power handling 80 W cont; FR 90-23,000 Hz; sens 88 dB SPL/W/m ..... \$178/pr

## Subwoofers

### B460 Subwoofer

Bass system consists of JBL 2245H 18-in driver mounted in 8 cu ft vented enclosure. 3rd-order quasi-Butterworth design featuring die-cast aluminum frame; foam surround; edge-wound voice coil with 4-in diameter; 20-lb high-flux symmetrical-field-geometry magnet structure to reduce second-harmonic distortion; 1-in-thick density-compressed wood enclosure. Min recommended power 200 W; imp 8 ohms; crossover point 63 Hz (external crossover); sens 94 dB SPL/W/m. 24¼ x 38¼ x 24¼ in \$2,150

### B380 Subwoofer

Bass system with 15-in woofer and 4-in ribbon-wire voice coil in a vented alignment. Features hand-crafted oiled black-walnut-veneer cabinet; biamp option with BX63A; max recommended power 600 W; crossover frequency 63 Hz; sens 90 dB SPL/W/m; 20¼ x 27½ x 17 in \$899

### BX63A Dividing-Summing Network

Electronic network designed to match characteristics of JBL B380 and B460 subwoofers. Features active low-pass filter with adjustable crossover frequency (63 to 125 Hz.) Passive high-pass will bridge stereo amp to provide single-ch drive. Adjustable imp compensation for different amps. S/N 95 dB; THD 0.01%; max outputs 18 dBV (10,000 ohm output load) \$375

## JENSEN

### Model 3152 3-Way Speaker

Bass-reflex design. 15-in woofer, 5-in cone midrange, and 3-in ferrofluid-filled cone tweeter. Power handling 80 W rms; sens 94 dB SPL/W/m; FR 33-21,000 Hz; imp 8 ohms. Hickory finish. 18½ x 32 x 11½ in; 35½ lbs ea ..... \$400/pr

### Model 3080 2-Way Speaker

Floor-standing, bass-reflex design with 8-in dual woofers and 3-in ferrofluid-filled dynamic cone tweeter. Power handling 60 W rms; sens 91 dB SPL/W/m; FR 43-21,000 Hz; imp 6-8ohms. Hickory finish. 10½ x 38½ x 13 in ..... \$360/pr

### Model 3122 3-Way Speaker

Bass-reflex speaker with 12-in woofer, 5-in cone midrange, 3-in ferrofluid-filled cone tweeter. Power handling 60 W rms; sens 91 dB SPL/W/m; FR 43-21,000 Hz; imp 8 ohms. Hickory finish. 15½ x 29 x 9¼ in; 28½ lbs ea. \$285/pr

### Model 3100 3-Way Speaker

Features 10-in woofer, 5-in cone midrange, and 3-in cone tweeter. FR 43-21,000 Hz; power handling 50 W rms; sens 90 dB SPL/W/m; imp 8 ohms. Hickory finish. 13 x 26 x 10½ in. \$220/pr

### Model 2650 2-Way Bookshelf Speaker

Bookshelf speaker with 6½-in woofer and 3-in cone tweeter. FR 55-21,000 Hz; power handling 50 W rms; sens 90 dB SPL/W/m; imp 8 ohms. Hickory finish. 11 x 15 x 6 in; 11 lbs ea. \$150/pr

## JPW LOUDSPEAKERS

### AP3 2-Way Speaker

Infinite-baffle design with 8-in woofer, ¾-in dome tweeter with ferrofluid damping. FR 55-20,000 Hz ± 3 dB; min power 10 W rms; max power 100 W rms; sens 100 dB SPL/W/m; imp 8 ohms. Walnut, black ash, blonde ash or teak finishes. 10¼ x 20½ x 11½ in ..... \$549/pr

### AP2 2-Way Speaker

Infinite-baffle design with 8-in woofer, ¾-in dome tweeter with ferrofluid damping. FR 60-20,000 Hz ± 3 dB; min power 10 W rms; max power 80 W rms; sens 80 dB SPL/W/m; imp 8 ohms. Walnut, black, blonde ash and teak finishes. 10¼ x 17¼ x 10¼ in ..... \$399/pr

### P1 2-Way Speaker

Floor-standing infinite-baffle speaker with 8-in woofer and ¾-in dome tweeter with ferrofluid damping. FR 65-20,000 Hz ± 3 dB; min power 10 W rms; max power 70 W rms; sens 90 dB SPL/W/m; imp 8 ohms. Walnut and black finishes. 10¼ x 17¼ x 10¼ in ..... \$349/pr

## JRM

### Monitor Powered Subwoofer/Satellite System

3-piece system with 4-way stereo configuration. Subwoofer: two 12-in polypropylene drivers; satellite: three 6½-in midbasses, 3-in midrange, and two piezo-horn tweeters. Subwoofer module houses 7-way active crossover with 7 level controls and 7 amplifier modules at 350 W rms into 2 ohms. Time-align drivers; protection circuit. FR 18-20,000 Hz ..... \$4,300  
 4-piece system with dual subwoofer/enclosures ..... \$5,800  
 12 V DC, 21,000 Hz power-supply option .. \$75

### Transparency Satellite Tower 3-Way Speaker

Sealed, vertical-line-source speaker with six 6½-in polypropylene midbass, 3 x 27-in diffraction-horn midranges; 1½-in horn-tweeter. Features adjustable time-aligned drivers; uniform 140° horizontal dispersion. Requires crossover and subwoofer. FR 20-20,000 Hz; min amplifier power 1 x 200 W, 2 x 50 W ..... \$2,400 ea  
**HLS Pro Satellite.** As above, horizontal-line-source with six 10-in midbasses, larger midrange drivers, 2 tweeters ..... \$3,300 ea

### Transparency Subwoofer S18B

QB3 vented subwoofer with 18-in woofer. FR 30-8250 Hz ± 1.5 dB; sens 95 SPL/W/m; min amp power 200 W rms; nominal imp 8 ohms. 8 cu. ft box; 150 lbs ..... \$1,100 ea

### Transparency Powered Subwoofer S18B-5

Proprietary alignment powered version of S18B. Features 2-way active crossover with bass/midbass EQ. Woofer section: FR 20-200 Hz; amplifier section: power handling 200 W rms; slew rate 100 V/µsec; S/N 102 dB; THD 0.02%; power FR 0.6-75,000 Hz; crossover section: S/N 94 dB; THD 0.001%. 8 cu. ft box ..... \$2,500 ea

### Transparency Subwoofer S15A

QB3 vented subwoofer features 15-in woofer. FR 30-300 Hz ± 1.5 dB; 92 SPL/W/m; min amp power 200 W rms; nominal imp 8 ohms. Optional finish and grille. 6 cu ft box; 130 lbs. \$875 ea

### Transparency Powered Subwoofer S15A-5

Proprietary alignment powered version of S15A. Features 2-way active crossover with bass/midbass EQ. Woofer: FR 20-250 Hz; amplifier: power handling 200 W rms; power supply 340 joules. 1,000 volt-amp toroid; slew rate 100 V/µsec; S/N 102 dB; THD 0.02%; power FR 0.6-75,000 Hz; crossover: S/N 94 dB; THD 0.001% ..... \$2,200 ea

# SPEAKERS

## Transparency Powered Subwoofer D15A-5

Proprietary alignment powered subwoofer with two 15-in polypropylene woofers. Features 2-way active crossover with bass/midbass equalizer; woofer section: FR 19-300 Hz; amplifier section: power handling 500 W rms; slew rate 100 V/ $\mu$ sec; S/N 102 dB; THD 0.02%; power FR 0.6-75,000 Hz; crossover section: S/N 94 dB; THD 0.001%; 10 cu. ft box ..... \$2,200 ea

## Transparency Subwoofer D12A

QB3 vented subwoofer with two 12-in woofers. FR 27-450 Hz  $\pm$  1.5 dB; 89 SPL/W/m; min amp power 200 W; nominal imp 2/4/8 ohms. Optional finish, grille. 9 cu ft box ..... \$800 ea

## Transparency Subwoofer D12A-5

Proprietary alignment; powered version of D12A. Features 2-way active crossover with bass-midbass equalizer. Woofer: FR 19-400 Hz; amplifier: power handling 500 W rms; slew rate 100 V/ $\mu$ sec; S/N 102 dB; THD 0.02%; power FR 0.6-75,000 Hz; crossover section S/N 94 dB; THD 0.001%; 6 cu ft box ..... \$2,000 ea

## J.S. ENGINEERING

### Model 4 4-Way Speaker

Floor-standing speaker with two 10-in cone woofers, 7-in cone midrange, 2-in dome upper midrange, 7/8-in dome tweeter. Features rounded trapezoidal shape; patented phase-shift bass loading and Infinite Slope crossover; front and side of speakers angled 8°; uniform horizontal output to 90° off axis. Imp 8 ohms. 19 x 48 1/2 x 22 (bottom) in; 16 x 6 1/2 (top) in; 150 lb. Walnut, oak, black oak ..... \$4,700/pr

### Model 2A

12-in and 10-in cone woofers, 6 1/2-in cone and 2-in dome midranges, and 1-in dome tweeter. Front of speaker is angled 8°. FR 25-24,000 Hz  $\pm$  2 dB; power handling 50-350 W; sens 90 dB SPL/W/m; imp 8 ohms. 18 x 47 x 16 in at bottom, 11 in at top; 150 lb ..... \$2,700/pr

### Infinite Slope Model 1.8A 3-Way Speaker

Phase-shift bass-loading speaker with 8-in and 10-in cone woofers 6-in, cone midrange, and 1-in dome tweeter. FR 35-20,000 Hz  $\pm$  3 dB; minimum power 20 W rms, max power 300 W rms; sens 90 dB SPL/W/m; imp 8 ohms. Oak, walnut, black gloss. 16 x 38 x 16 in; 100 lb ..... \$1,950

### Infinite Slope Model 1.2 2-Way Speaker

Sealed, floor-standing speaker with 7-in and 8-in cone woofers and 1-in dome tweeter. Features Infinite Slope crossover; patented phase-shift bass loading; front of speaker angled 15°. Available in oak, walnut, black gloss. FR 40-20,000 Hz  $\pm$  2 dB; power range 10-150 W; imp 8 ohms; sens 90 dB SPL/W/m. 13 x 29 x 14 1/2 in; 55 lb ..... \$1,250/pr

### Infinite Slope Model .8A 2-Way Speaker

Floor standing speaker with two 8-in cone woofers and 1-in dome tweeter. Features patented phase-shift bass loading and Infinite Slope crossover. Imp 8 ohms. Walnut, oak, black-lacquer finish ..... \$995/pr

### Infinite Slope Model .6A 2-Way Speaker

Floor-standing ported speaker with 8-in cone woofer; 1-in dome tweeter. Features Infinite Slope 100 dB/octave crossover. FR 40-20,000 Hz  $\pm$  3 dB; power range 5-150 W; sens 91 dB SPL/W/m; imp 8 ohms. Walnut, oak, black lacquer. 11 x 23 x 13 in; 35 lb ..... \$670/pr

### Infinite Slope Model .5A 2-Way Speaker

Bookshelf speaker with 8-in cone woofer; one-inch dome tweeter. Features Infinite Slope 100 dB/octave crossover. FR 40-20,000 Hz  $\pm$  3 dB;

power range 5-150 W; sens 91 dB SPL/W/m; imp 8 ohms. Black lacquer. 11 x 18 x 9 in .. \$549/pr

### Subwoofer

12-in dual-voice-coil woofer. FR 30-60 Hz; sens 90 dB. Available in oak and walnut. 18 x 18 x 16 in; 50 lb ..... \$549 ea

## JVC

### SX911WD 3-Way Speaker

Floor-standing speaker with 12-in cross-carbon woofer; 4 1/2-in cross-carbon midrange; 1.2-in amorphous-diamond coated tweeter. Features 3-part crossover network; low-resonance/vibration diecast aluminum speaker frames; high-density particleboard enclosure; round-cornered front baffle. 300 W max power handling ..... \$720 ea

### SX-A3 2-Way Shielded Bookshelf Speaker

Passive-radiator speaker with 8 x 12-in passive radiator; 8-in cone woofer; 1-in soft-dome tweeter. Features self-resetting protection circuit for tweeter, LED overload indicator; magnetically shielded. FR 35-23,000 Hz  $\pm$  3 dB; power handling 130 W/200 W (max); sens 88 dB SPL/W/m; imp 6 ohms. Wood finish. 13 1/2 x 24 1/2 x 11 1/4 in; 31 lb ea ..... \$400/pr

### SPXS5WD Full-Range Speaker

Floor-standing speaker with one full-range 5-in driver. Features column design; woodgrain finish ..... \$180/pr  
SPXS65BK. As above, black finish .... \$180/pr

## KEF

### Reference Series

#### Model 107/2 3-Way Speaker

Floor-standing system. Coupled cavity bass system uses two 10-in woofers, each rear-load with sealed enclosure, feeding common ported enclosure and venting to room through top of bass enclosure. Woofers joined by force-canceling rod to eliminate enclosure vibrations. Pivoting midrange/tweeter head assembly contains 5-in polypropylene-cone midrange driver and 1-in aluminum-dome tweeter with ferrofluid cooling. Contoured midrange and tweeter enclosures. Conjugate load-matching network gives speaker uniform resistive impedance; separate mid/tweeter and woofer input terminals for bi-amplifying and bi-wiring. The KUBE 107/2 active equalizer provides fixed mid- and high-frequency equalization and adjustable equalization of bass extension, LF response shape and LF boost or cut. Power handling 300 W cont; frequency response 20-20,000 Hz  $\pm$  2 dB; sensitivity 90 dB SPL/2.83 V/m; impedance 4 ohms. Genuine walnut, black-ash, or rosewood-veneer finish. 13 x 46 x 17 1/2 in; 99 lb ea ..... \$5,000/pr

#### Model 105/3 4-Way Speaker

Floor-standing 6-driver system features Uni-Q upper-midrange/tweeter driver with 3/4-in soft-dome tweeter located at apex of 6 1/2-in upper-midrange driver's cone. Two 6 1/2-in lower midrange drivers, above and below Uni-Q driver; two 8-in woofer in coupled cavity configuration with 6 1/2-in output port; force-canceling rod joining woofers eliminates enclosure vibrations; conjugate load-matching network gives speaker uniform resistive impedance; separate mid/tweeter and woofer input terminals facilitates bi-amplifying or bi-wiring. Power handling 300 watts continuous; frequency response 49-20,000 Hz  $\pm$  2.5 dB; sensitivity 93 dB SPL/2.83 V/m; impedance 4 ohms. Genuine walnut or black-ash veneer finish. 11 x 43 1/2 x 16 in; 93 lb ea ..... \$3,500/pr

#### Model 104/2 3-Way Speaker

Floor-standing speaker with cone woofers vertically aligned, coupled-cavity bass-loading technique, chassisless drivers, conjugate load matching. Two 8-in cone woofers, two 4 1/2-in cone midranges, and 1-in ferrofluid-cooled dome tweeter. Power handling 200 W max; FR 35-20,000 Hz,  $\pm$  2 dB; sens 92 dB SPL/W/m; imp 4 ohms; 11 x 35 1/2 x 16 1/4 in; 70.5 lb. Walnut, rosewood, or black ash ..... \$2,200/pr  
104/2 KUBE. Active bass EQ with controls for contour and extension ..... \$200

#### Model 103/3 3-Way Bookshelf Speaker

Coupled-cavity bass-loading speaker with woofer operating resonant chamber vented at bottom of enclosure. Features 8-in cone woofer; 6-in polypropylene-cone midrange; 1-in ferrofluid-cooled soft-dome tweeter; hybrid crossover network with built-in passive crossover and onboard active bass equalizer with controls for contour and extension. Conjugate load-matched passive crossover presents amp with uniform imp at all frequencies. Power handling 200 W max; FR 50-20,000 Hz,  $\pm$  2 dB; sens 92 dB SPL/W/m; imp 4 ohms. Walnut, black-ash, or rosewood finish. Includes feet for shelf mounting. 10 1/2 x 22 3/4 x 12 1/2 in; 37.5 lb ea ..... \$1,490/pr  
KS103/3. Optional floor stands for free-standing placement ..... \$109/pr

#### Model 102/2 3-Way Speaker

Features Uni-Q driver with 6 1/2-in polypropylene-cone midrange and 3/4-in soft-dome tweeter. Bass system employs 6 1/2-in long-excursion woofer in single coupled cavity enclosure. Boundary-assisted alignment provides flat response when system is placed against a wall; conjugate load-matching network gives speaker uniform resistive impedance. Power handling 150 W continuous; FR 50-20,000 Hz  $\pm$  2.5 dB; sens 89 dB SPL/2.83 V/m; imp 4 ohms. Genuine walnut or black-ash veneer finish. 8 1/2 x 20 x 10 1/4 in; 24 lb ea ..... \$1,000/pr

#### Model 101/2 2-Way Bookshelf Speaker

Uni-Q driver with 6 1/2-in polypropylene-cone woofer in sealed enclosure and 3/4-in soft-dome tweeter. Bass system enclosure employs boundary-assisted alignment for flat response when system is placed against wall. Power handling 150 W cont; FR 50-20,000 Hz  $\pm$  2.5 dB; sens 88 dB SPL/2.83 V/m; imp 4 ohms. Walnut or black-ash veneer finish ..... \$750/pr

### Reference Series Option

**KUBE 200 Equalizer.** Active equalizer goes between preamp and power amp, or in tape-monitor loop, to provide bass extension and equalization. User-adjustable LF equalization (below 160 Hz) and HF equalization (above 1,000 Hz). Extends response of models 105/2, 102/2, and 101/2. .... \$390

### C Series

Features polymer woofer diaphragms; fluid-cool tweeters; gold-plated input terminals. Terminals accept heavy-gauge wire, 4-mm banana plugs, and dual banana plugs on 3/4-in centers.

#### C95 3-Way Speaker

Floor-standing speaker featuring Uni-Q 2-way driver, 8-in woofer and 1-in polymer-dome tweeter; coupled-cavity bass loading; 8-in unit mounted vertically inside cabinet is loaded at front by tuned cavity; conjugate load matching; separate set of connecting terminals for bi-amplification. Power handling 250 watts continuous; FR 50-20,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; imp 4 ohms. Walnut or black-ash finish. 9 3/4 x 34 3/4 x 12 1/2 in; 41.6 lb ea ..... \$1,298/pr



# SPEAKERS

## C85 3-Way Speaker

Floor-standing speaker with Uni-Q two-way tweeter/midrange driver and 8-in polypropylene-cone woofer in vented enclosure. Uni-Q combines 1-in soft-dome tweeter and 8-in polypropylene-cone midrange; separate mid/tweeter and woofer terminals for biampifying or biwiring. Power handling 250 W cont; FR 40-20,000 Hz  $\pm 3$  dB; sens 90 dB SPL/2.83 V/m; imp 4 ohms. Simulated walnut or black-ash finish. 9 $\frac{1}{4}$  x 34 $\frac{1}{4}$  x 12 $\frac{1}{2}$  in; 41 lb ea ..... \$998/pr

## C75 3-Way Speaker

Floor-standing, sealed design uses same Uni-Q driver as C95; second 8-in bass unit in matching die cast chassis. Power handling 150 W cont; FR 57-20,000 Hz,  $\pm 3$  dB; sens 91 dB SPL/W/m; imp 4 ohms. Simulated walnut or black-ash finish. 9 $\frac{1}{4}$  x 28 $\frac{1}{4}$  x 10 $\frac{1}{2}$  in; 28.5 lb ea ..... \$795/pr

## C65 2-Way Speaker

Floor-standing speaker with 8-in polypropylene-cone woofer in vented enclosure;  $\frac{1}{4}$ -in aluminum-dome tweeter with ferrofluid cooling and 8-in passive radiator. Power handling 150 W cont; FR 55-20,000 Hz  $\pm 3$  dB; sens 90 dB SPL/2.83 V/m; imp 4 ohms. Simulated walnut or black-ash finish. 11 x 28 $\frac{1}{4}$  x 10 $\frac{1}{2}$  in; 26 lb ea ..... \$698/pr

## C55 3-Way Bookshelf Speaker

Uni-Q driver with polymer cone 8-in passive radiator which extends bass to 48 Hz and  $\frac{1}{4}$ -in polymer-dome tweeter. Passive radiator enclosure; clip-on injection moulded grille to minimize tunnel effects. Power handling 150 W cont; FR 60-20,000 Hz,  $\pm 3$  dB; sens 90 dB SPL/W/m; impedance 4 ohms. Simulated walnut or simulated black-ash finish. 9 $\frac{1}{4}$  x 18 $\frac{1}{2}$  x 10 $\frac{1}{2}$  in; 15.9 lb ea ..... \$598/pr

## C45 2-Way Bookshelf Speaker

Boundary-assisted alignment yields bass extension to 38 Hz when placed against wall. Features 8-in polypropylene-cone woofer in sealed enclosure;  $\frac{1}{4}$ -in aluminum-dome tweeter. Power handling 125 W cont; FR 45-20,000 Hz  $\pm 3$  dB; sens 90 dB SPL/2.83 V/m; imp 4 ohms. Simulated walnut or black-ash finish. 11 x 18 $\frac{1}{2}$  x 9 $\frac{3}{4}$  in; 20 lb ea ..... \$498/pr

## C200SW Subwoofer System

For C25 or C15 speakers; employs 8-in polypropylene woofer in single-coupled-cavity design. Contains passive 120-Hz crossover for satellite; satellites can be mounted directly to C200SW to make floor-standing system. Power handling 150 W cont; FR 40-120 Hz  $\pm 3$  dB; sens 90 dB SPL/2.83 V/m; imp 4 ohms. Simulated walnut or black-ash finish. 9 $\frac{1}{4}$  x 19 $\frac{1}{4}$  x 9 $\frac{1}{2}$  in; 17 lb ea ..... \$498/pr

## C35 2-Way Bookshelf Speaker

Uni-Q driver with 8-in polymer woofer and  $\frac{1}{4}$ -in polymer-dome tweeter; can be placed upright or on its side with no effect on horizontal dispersion; sealed enclosure. Power handling 150 W cont; FR 64-20,000 Hz,  $\pm 3$  dB; sens 88 dB SPL/W/m; imp 4 ohms. Simulated walnut or simulated black-ash finish. 9 $\frac{1}{4}$  x 14 $\frac{1}{4}$  x 8 $\frac{1}{2}$  in; 10.6 lb ea ..... \$398/pr

## C25 2-Way Bookshelf Speaker

Sealed enclosure with 6 $\frac{1}{2}$ -in cone driver with lightweight polymer diaphragm and  $\frac{1}{4}$ -in dome tweeter. Power handling 110 W cont; FR 65-20,000 Hz,  $\pm 3$  dB; sens 87 dB SPL/W/m; imp 4 ohms. Simulated walnut or simulated black ash. 8 $\frac{1}{4}$  x 13 $\frac{3}{4}$  x 6 $\frac{1}{4}$  in; 9 lb ea ..... \$328/pr

## C15 2-Way Bookshelf Speaker

Sealed enclosure with 5-in polymer woofer and  $\frac{1}{4}$ -in metal-dome tweeter. Gold-plated termi-

nals. Power handling 80 W; FR 68-20,000 Hz,  $\pm 3$  dB; sens 85 dB SPL/W/m; imp 4 ohms. Simulated walnut or simulated black ash. 7 $\frac{1}{4}$  x 10 $\frac{1}{4}$  x 5 $\frac{1}{4}$  in; 7 lb ea ..... \$248/pr

## KENWOOD

### LS-P9100 4-Way Speaker

Floor-standing 5-speaker system with 17-in passive radiator. Features 10 $\frac{1}{2}$ -in polypropylene woofer; 4-in polypropylene midrange; 1 $\frac{1}{4}$ -in flat-leaf-diaphragm supertweeter; 2 cone tweeters; crossover network. Max power handling 250 W; FR 20-48,000 Hz; sens 91 dB/W/m; imp 8 ohms; crossover points 900, 5,500, 10,000 Hz. Simulated woodgrain finish. 17 $\frac{1}{4}$  x 44 $\frac{1}{2}$  x 13 $\frac{1}{4}$  in; 62 lb ea ..... \$700/pr

### LS-P5100 4-Way Speaker

Floor-standing 4-speaker system with 13-in passive radiator. Features 8 $\frac{1}{2}$ -in polypropylene woofer; 4-in polypropylene midrange; 1 $\frac{1}{4}$ -in flat-leaf-diaphragm supertweeter; 2 cone tweeters; crossover network. Max power handling 150 W; FR 25-48,000 Hz; sens 90 dB/W/m; imp 8 ohms; crossover points 800, 5,000, 10,000 Hz. Simulated woodgrain finish. 14 $\frac{1}{2}$  x 35 $\frac{1}{2}$  x 10 $\frac{1}{4}$  in; 40 lb ea ..... \$470/pr

### Spectrum Series

#### LSK-904 3-Way Speaker

Bass-reflex enclosure with 12-in woofer; 5-in midrange; 2-in tweeter. Max power handling 160 W; FR 35-20,000 Hz; sens 92 dB/W/m; crossover points 2,000, 5,000 Hz; imp 8 ohms. Simulated teak finish. 13 $\frac{3}{4}$  x 36 $\frac{3}{4}$  x 10 $\frac{1}{2}$  in; 27.6 lb ea ..... \$279/pr

#### LSK-704 3-Way Bookshelf Speaker

Acoustic-suspension enclosure with 12-in woofer; 5-in midrange; 2-in tweeter. Max power handling 160 W; FR 40-20,000 Hz; sens 91 dB/W/m; crossover points 2,000, 5,000 Hz; imp 8 ohms. Simulated teak finish. 14 $\frac{1}{4}$  x 26 $\frac{1}{4}$  x 10 $\frac{1}{4}$  in; 22.5 lb ea ..... \$285/pr

#### LSK-504 3-Way Bookshelf Speaker

Bass-reflex enclosure with 10-in woofer; 4-in midrange; 2-in tweeter. Max power handling 130 W; FR 45-20,000 Hz; sens 90 dB/W/m; crossover points 2,000, 5,000 Hz; imp 8 ohms. Simulated light-teak finish. 14 x 24 $\frac{1}{4}$  x 10 $\frac{1}{2}$  in; 19.4 lb ea ..... \$220/pr

#### LSK-304 2-Way Bookshelf Speaker

Acoustic-suspension enclosure with 8-in woofer; 2-in tweeter. Max power handling 100 W; FR 50-20,000 Hz; sens 90 dB/W/m; crossover point 5,000 Hz; imp 8 ohms. Simulated light-teak finish. 12 $\frac{1}{4}$  x 22 $\frac{1}{4}$  x 8 in; 13.9 lb ea ..... \$145/pr

#### LSK-06S Rear Surround Speaker

Full-range speaker for rear-channel sound. Features acoustic-suspension, wedge-shaped enclosure; 4-in driver. Max power handling 40 W; FR 80-20,000 Hz; sens 90 dB/W/m; imp 8 ohms. Simulated light-teak finish. 7 $\frac{1}{4}$  x 10 $\frac{1}{4}$  x 5 $\frac{1}{4}$  in; 3.5 lb ea ..... \$99/pr

#### LSK-02S Rear Surround Speaker

Full-range speaker for rear-channel sound. Features acoustic-suspension enclosure; 4-in driver. Maximum power handling 20 W; FR 80-20,000 Hz; sens 90 dB/W/m; imp 8 ohms. Simulated light-teak finish. 5 $\frac{1}{2}$  x 7 $\frac{1}{2}$  x 5 in; 2.75 lb ea ..... \$69/pr

### Super Woofer Series

#### LS-W9010 Subwoofer/Satellite System

Dual-tuned port bass-resonator subwoofer with two 8-in cone drivers. Two 2-way acoustic-suspension satellite, each with two 4 $\frac{1}{2}$ -in mid-

ranges and one 1-in dome tweeter. Max power handling 180 W; FR 30-20,000 Hz; sens 89 dB/W/m; imp 8 ohms. Simulated woodgrain finish. Subwoofer: 9 $\frac{1}{4}$  x 23 $\frac{1}{4}$  x 14 $\frac{1}{4}$  in; 28.6 lb; Satellite: 10 $\frac{1}{4}$  x 40 $\frac{1}{4}$  x 11 in; 15.4 lb ..... \$759/sys

#### LS-W7010 Subwoofer/Satellite System

Dual tuned-port bass-resonator subwoofer with two 6 $\frac{1}{2}$ -in cone drivers. Two 2-way acoustic-suspension satellites, each with two 4 $\frac{1}{2}$ -in midranges and one 1-in dome tweeter. Max power handling 140 W; FR 30-20,000 Hz; sens 89 dB/W/m; imp 8 ohms. Simulated woodgrain finish. Subwoofer: 8 $\frac{1}{4}$  x 16 $\frac{1}{4}$  x 15 $\frac{1}{4}$  in; 22 lb; Satellite: 10 $\frac{1}{4}$  x 40 $\frac{1}{4}$  x 11 in; 15.4 lb ..... \$699/sys

#### LS-W5010 Subwoofer/Satellite System

Dual tuned-port bass-resonator subwoofer with two 8-in cone drivers. Two 2-way acoustic-suspension satellites, each with two 4 $\frac{1}{2}$ -in midranges and one 1-in dome tweeter. Max power handling 180 W; FR 30-20,000 Hz; sens 89 dB/W/m; imp 8 ohms. Simulated woodgrain finish. Subwoofer: 9 $\frac{1}{4}$  x 23 $\frac{1}{4}$  x 14 $\frac{1}{4}$  in; 28.6 lb; Satellite: 8 $\frac{1}{4}$  x 12 $\frac{1}{4}$  x 6 $\frac{1}{4}$  in; 6.6 lb ..... \$499/sys

#### LS-W3010 Subwoofer/Satellite System

Dual tuned-port bass-resonator subwoofer with two 6 $\frac{1}{2}$ -in cone drivers. Two 2-way acoustic-suspension satellites, each with two 4 $\frac{1}{2}$ -in midranges and one 1-in dome tweeter. Max power handling 140 W; FR 30-20,000 Hz; sens 89 dB/W/m; imp 8 ohms. Simulated woodgrain finish. Subwoofer: 8 $\frac{1}{4}$  x 16 $\frac{1}{4}$  x 15 $\frac{1}{4}$  in; 22 lb; Satellite: 8 $\frac{1}{4}$  x 12 $\frac{1}{4}$  x 6 $\frac{1}{4}$  in; 6.6 lb ..... \$439/sys

## KINDEL

### P-105 2-Way Speaker

Sealed-box design with 8-in polypropylene woofer with dual voice coil and 1-in soft-dome tweeter. Features 250-Hz crossover to roll off one woofer voice coil winding; conventional 2,500 Hz crossover (first order) for tweeter. FR 40-20,000 Hz  $\pm 2.5$  dB; imp 4 ohms; minimum power 20 W. 10 x 20 x 9 in ..... \$495/pr

### P-55 2-Way Speaker

Sealed-box design with 6-in polypropylene woofer and 1-in dome tweeter. FR 55-20,000 Hz  $\pm 2.5$  dB; crossover point at 3,000 Hz; imp 8 ohms; minimum power 20 W. Black-gloss finish. 8 x 14 x 8 in ..... \$299/pr

### The Purist Series

#### Purist LT 2-Way Speaker

Floor-standing speaker using 2 pi/4 pi configuration with two 6 $\frac{1}{2}$ -in polypropylene woofers and 1-in dome tweeter. Features bass loading via 8-in passive radiator in loaded-line configuration. FR 35-20,000 Hz  $\pm 2$  dB; imp 4 ohms. 13 x 43 x 6 $\frac{1}{2}$  in; 60 lb ..... \$895/pr

### MQLS Modular System

Consists of either the MQLS-1 or MQLS-2 speaker fixed to top of MQLS subwoofer.

#### MQLS-1 Modular Speaker

Full-range speaker with four 6 $\frac{1}{2}$ -in midbasses and 1-in soft-dome tweeter. Features centered tweeter configuration; 3rd-order crossover for two center woofers. 8 $\frac{1}{2}$  x 34 x 14 $\frac{1}{4}$  in; 48 lb ..... \$1,700/pr

#### MQLS-2 Modular Speaker

Similar to MQLS-1 but with two 6 $\frac{1}{2}$ -in woofers, two 4-in midranges, 1 $\frac{1}{2}$ -in dome mid-tweeter, and 2 $\frac{1}{2}$  x  $\frac{1}{2}$ -in ribbon super tweeter ..... \$1,425/pr

### MQLS Subwoofer

Two vented, compression-loaded 10-in woofers

# SPEAKERS

in bandpass-type enclosures. 16 x 23 x 18 in; 57 lb ..... \$1,125

## KINERGETICS

### SW-800 Subwoofer System

2 woofer towers. Each tower contains five 10-in long-throw drivers; pair of 400 W-amplifiers; passive/active crossover circuit with selectable frequency and slopes; patented compound circuit to reproduce bass transients. .... \$439  
Oak finish ..... \$4,995

### SW-100 Subwoofer System

Cabinet with two 10-in SW-100 long-throw woofers. Includes SW-200 150-W/ch passive amplifier/crossover and patented compound circuit; crossover point 100 Hz; Oak, walnut, or black finish ..... \$1,532  
SW-200 Amplifier. 5 x 17 1/4 x 10 in; 20 lb . \$754  
SW-100 Subwoofer FR -3 dB at 17 Hz; efficiency 95 dB; SPL 113 dB at 30 Hz, 1 meter. 11 x 24 x 16 in; 50 lb ..... \$439

## KINETIC AUDIO

### Titan/Trapezium 6-Way Speaker

Floor-standing ported speaker with 12-in polypropylene subwoofer, 12-in polypropylene woofer, 6 1/2-in polypropylene midbass, 2-in textile-dome midtweeter, 1 1/4-in synthetic-dome tweeter, 3/4-in synthetic-dome supertweeter. Features interconnecting harness with color-coded speaker cables; 5-way heavy-duty binding posts; linear-phased driver arrangement in mirror-image pairs. Front-mounted fuse and noninductive level controls. Crossover points 60, 90, 500 Hz; frequency response 12-22,000 Hz  $\pm$  1.5 dB; power handling 35-250 W; sens 90 dB SPL/W/m; imp 4 or 8 ohms. Walnut veneer; black grille with non-resonant frame. Stands, and casters included. 18 x 60 x 22 in; 245 lb ..... \$5,000/pr

### Trapezium 5-Way Speaker

Ported speaker with 12-in polypropylene woofer, 6 1/2-in polypropylene-cone midrange, 2-in textile-dome midtweeter, 1 1/4-in synthetic-dome tweeter, 3/4-in synthetic-dome supertweeter (tweeters have magnetic-liquid cooling/damping). Features interconnecting harness with color-coded speaker cables; 5-way heavy-duty binding posts. Linear-phased driver arrangement in mirror-image pairs; front-mounted fuse and level controls. Crossover points 90, 500, 3,000, 7,000 Hz; frequency response 12-22,000 Hz  $\pm$  1.0 dB; power handling 45-200 W; sens 90 dB SPL/W/m; imp 6 ohms. Walnut veneer. Black grille with non-resonant frame. Includes stands, and casters. 16 x 60 x 20 in; 205 lb ..... \$4,000/pr

### Labyrinth 4-Way Speaker

Floor-standing ported speaker with 12-in polypropylene woofer, 6 1/2-in polypropylene midrange, 2-in textile-dome midtweeter, 1 1/4-in synthetic-dome tweeter (both tweeters have magnetic-liquid cooling/damping). Features interconnecting harness with color-coded speaker cables; 5-way heavy-duty binding posts. Linear-phased driver arrangement in mirror-image pairs; front-mounted fuse and level controls. Crossover points 90, 500, 3,000 Hz; frequency response 16-22,000 Hz  $\pm$  1.5 dB; power handling 35-200 W; sens 91 dB SPL/W/m; imp 6 ohms. Walnut veneer. Black grille with nonresonant frame. Includes stands, and casters. 16 x 48 x 18 in; 185 lb ..... \$3,000/pr

### Trapezoid 4-Way Speaker

Floor-standing, ported speaker with 12-in polypropylene woofer, 6 1/2-in polypropylene midrange, 1 1/4-in synthetic-dome tweeter with mag-

netic-liquid cooling/damping, 3/4-in synthetic-dome supertweeter with magnetic-liquid cooling/damping. Features interconnecting harness with color-coded speaker cables; 5-way heavy-duty binding posts. Linear-phased driver arrangement in mirror-image pairs; front-mounted fuse and level controls. Crossover points 90, 2,000, 7,000 Hz; frequency response 18-22,000 Hz  $\pm$  1.5 dB; power handling 20-200 W; sens 92 dB SPL/W/m; imp 8 ohms. Walnut veneer. Black grille with nonresonant frame. 16 x 40 x 14 in; 115 lb ..... \$2,000/pr

### Impulse 3-Way Speaker

Floor-standing or large bookshelf, ported speaker with 12-in polypropylene woofer, 6 1/2-in polypropylene midrange, 1 1/4-in synthetic-dome tweeter with magnetic-liquid cooling/damping. Features interconnecting harness with color-coded speaker cables; 5-way heavy-duty binding posts; linear-phased driver arrangement in mirror-image pairs. Front-mounted fuse and level controls. Crossover points 90, 2,000 Hz; frequency response 18-22,000 Hz  $\pm$  1.5 dB; power handling 15-200 W; sens 93 dB SPL/W/m; imp 8 ohms; Walnut veneer. Black grille with nonresonant frame. 14 1/2 x 26 x 14 in; 95 lb ..... \$1,200/pr

### Stat Miniature Monitor 2-Way Speaker

Ported speaker with 6 1/2-in polypropylene woofer; 1 1/4-in synthetic-dome tweeter with magnetic-liquid cooling/damping. Features interconnecting harness with color-coded speaker cables; 5-way heavy-duty binding posts; linear-phased driver arrangement in mirror-image pairs. Front-mounted fuse and level controls. Crossover point 2,000 Hz; frequency response 38-22,000 Hz  $\pm$  2 dB; power handling 5-150 W; sens 93 dB SPL/W/m; imp 8 ohms; Walnut veneer. Black grille with nonresonant frame. 9 x 15 x 9 in; 30 lb ..... \$900

## Subwoofers

### Trapezoid Subwoofer

Floor-standing subwoofer with 12-in polypropylene driver. Features 180-Hz passive crossover; separate direct-to-woofer terminals; in mirror-image pairs; interconnecting harness with color-coded speaker cables; 5-way heavy-duty binding posts. Frequency response 16-2,000 Hz  $\pm$  1.5 dB; power handling 25-350 W; sens 92 dB SPL/W/m; imp 8 ohms. Black grille with nonresonant frame. 16 x 40 x 14 in; 95 lb ..... \$800/pr

### Stat Subwoofer

Ported subwoofer with 12-in polypropylene driver. Features 180-Hz crossover; separate direct-to-woofer terminals; interconnecting harness with color-coded speaker cables; 5-way heavy-duty binding posts. Frequency response 18-2,000 Hz  $\pm$  2 dB; power handling 15-350 W; sens 93 dB SPL/W/m; imp 8 ohms. Walnut veneer; black grille with nonresonant frame. 14 1/2 x 26 x 14 in; 85 lb ..... \$600/pr

## KLH

### 6V 3-Way Speaker

Tuned-ported design with two 6 1/2-in woofers, 4 1/2-in midrange, 1-in soft-dome tweeter. FR 29-20,000 Hz  $\pm$  3 dB; crossover points 300, 500, 1,900 Hz; sens 88 dB SPL/W/m; min power 25 W/ch; imp 6/4 nom/min ohms. Black lacquer or oak-veneer finish with black-knit grille. 9 x 39 x 11 in; 40 lb ea ..... \$1,190/pr

### 17 V 2-Way Bookshelf Speaker

Tuned port speaker with 6 1/2-in woofer, 1-in dome tweeter. FR 40-20,000 Hz  $\pm$  3 dB; crossover point 1,800 Hz; sens 88 dB SPL/W/m; min

power 25 W/ch; imp 6/4 nom/min ohms. Black-lacquer or oak-veneer finish with black-knit grille. 9 x 19 x 11 in; 43 lb/pr ..... \$580/pr

### Illusions 3 Satellite System

3-piece system with bandpass woofer design. Features two 4 1/2-in woofers, two 6 1/2-in woofers, 1-in dome tweeter, black knit grille. FR 45-20,000 Hz  $\pm$  3 dB; crossover points 150, 3,000 Hz; sens 86 dB SPL/W/m; min power 50 W/ch; imp 5/4 nom/min ohms. Black-lacquer or oak-veneer finish. Satellite 6 x 9 x 5 in; woofer module 9 x 15 x 8 in; 32 lb/sys ..... \$499/sys

### CS-2503 Satellite System

3-piece system with two 5 1/4-in woofers, two 4 1/2-in woofers, 3/4-in poly-dome tweeter. FR 50-20,000 Hz  $\pm$  3 dB; crossover points 200, 4,000 Hz; sens 86 dB SPL/W/m; min power 40 W/ch; imp 6/4 nom/min ohms. Black-nextel finish with black-knit grille. Satellite 5 x 5 x 8 1/2 in; woofer module 12 x 17 x 8 in; 33 lb /sys ..... \$499/sys

### AV-3001 2-Way Bookshelf Speaker

Ported speaker with 8-in woofer, 1-in dome tweeter. FR 40-22,000 Hz  $\pm$  3 dB; crossover point 2,800 Hz; sens 90 dB SPL/W/m; min power 5 W/ch; imp 10/8 nom/min ohms. Oak-vinyl finish with brown-knit grille. 15 x 17 x 12 in, 47 lb ..... \$399/pr  
7201. As above, sens 89 dB SPL/W/m; imp 8/6 nom/min ohms. 12 x 19 x 12 in; 52 lb .. \$399/pr

### K-831 Satellite System

3-piece with 8-in dual voice coil woofer, two 5-in woofers, 3/4-in poly-dome tweeter. FR 50-20,000 Hz  $\pm$  3 dB; crossover points 250 4,000 Hz; sens 86 dB SPL/W/m; min power 40 W/ch; imp 6/4 nom/min ohms. Oak-vinyl finish with black-knit grille. Satellites 5 x 5 x 8 in; woofer module 12 x 12 x 10 in; 29 lb/sys ..... \$399/sys

### AV-5001 3-Way Speaker

Passive-radiator tower design with 12-in woofer, 5-in midrange cone driver, 1-in dome tweeter. FR 20-22,000 Hz  $\pm$  3 dB; crossover points 900, 2,800 Hz; sens 91 dB SPL/W/m; min power 5 W/ch; imp 10/8 nom/min ohms. Oak-vinyl finish with black-knit finish. 15 x 43 x 12 in; 50 lb ea ..... \$299 ea  
7701. As above, sens 90 dB SPL/W/m. 15 x 43 x 10 in; 48 lb ea ..... \$289 ea

### 7101 2-Way Bookshelf Speaker

Ported speaker with 6 1/2-in woofer, 1-in dome tweeter. FR 50-22,000 Hz  $\pm$  3 dB; crossover point 2,800 Hz; sens 88 dB SPL/W/m; min power 5 W/ch; imp 8/6 nom/min ohms. Oak vinyl finish with brown-knit grille. 9 x 17 x 10 in; 36 lb/pr ..... \$289/pr  
AV-2001. As above, sens 89 dB SPL/W/m. 9 x 15 x 9 in; 33 lb/pr ..... \$279/pr

### AV-4621 3-Way Speaker

Ported mini-tower speaker with two 6 1/2-in woofers, 5-in midrange driver, 1-in dome tweeter. Frequency response 40-22,000 Hz  $\pm$  3 dB; crossover points 1000 and 3,000 Hz; sensitivity 90 dB SPL/W/m; minimum power 5 watts per channel; impedance 10/8 nom/min ohms. Oak-vinyl finish with brown-knit grille. 9 x 39 x 10 in; 36 lb ea ..... \$269 ea  
7621. As above, with 38 lb ea ..... \$259 ea

### Model 7001 2-Way Speaker

Ported mini-bookshelf speaker with 5-in woofer, 1-in dome tweeter. FR 80-22,000 Hz  $\pm$  3 dB; crossover point 2,800 Hz; sens 86 dB SPL/W/m; min power 5 W/ch; imp 8/6 nom/min ohms. Oak vinyl finish with brown-knit grille. 6 x 11 x 6 in; 15 1/2 lb/pr ..... \$260/pr  
AV-1001. As above, 87 dB SPL/W/m. 6 x 11 x 7 in; 16 lb/pr ..... \$260/pr

# SPEAKERS

## AV-4001 3-Way Speaker

Ported jumbo bookshelf speaker with 12-in woofer, 5-in midrange driver, 1-in dome tweeter. FR 24-22,000 Hz  $\pm$  3 dB; crossover points 900 and 2,800 Hz; sens 91 dB SPL/W/m; min power 5 W/ch; imp 10/8 nom/min ohms. Oak vinyl finish with brown-knit grille. 15 x 29 x 12 in; 37 lb ea .....\$249 ea  
**7501.** As above, sens 91 dB SPL/W/m. 15 x 31 x 10 in; 39 lb ea .....\$239 ea

## 62C Speaker

Ported tower speaker with 6½-in woofer, 1-in dome tweeter. FR 50-20,000 Hz  $\pm$  3 dB; crossover point 2,800 Hz; sens 88 dB SPL/W/m; min power 5 W/ch; imp 8/5 nom/min ohms. Oak-vinyl finish. 11 x 38 x 10 in; 36 lb ea .....\$249 ea

## SA-450 Satellite System

Powered mini-system consisting of powered satellites with 1½-in tweeter and passive 4½-in woofer. FR 40-20,000 Hz  $\pm$  3 dB; imp 50 kil-ohms. Black-plastic finish with metal grille. 8 x 11 x 8 in; 22 lb/sys .....\$99/sys

## KLIPSCH

### Klipschorn 3-Way Speaker

Horn-loaded floor-standing speaker features K-33-E woofer, K-55-M midrange, and K-77-M tweeter. Power handling 100 W cont; FR 35-17,000 Hz,  $\pm$  3 dB; sens 104 dB SPL/W/m; imp 8 ohms. 31¼ x 52 x 28½ in; 167 lb. Priced depends on finish, from .....\$2,798/pr

### Belle Klipsch 3-Way Speaker

Horn-loaded floor-standing design utilizing same components as Klipschorn. Power handling 100 W cont; FR 45-17,000 Hz,  $\pm$  5 dB; sens 104 dB SPL/W/m; imp 8 ohms. 30¼ x 35¼ x 18¼ in. Priced depends on finish, from .....\$2,638/pr  
**La Scala.** Similar to the above but available only in natural birch, stained birch, or black finishes. 23¼ x 35½ x 24½ in. Price depends on finish, from .....\$1,876/pr

### Chorus II 3-Way Speaker

Floor-standing speaker featuring 15-in sub-woofer (K-48-E), horn-loaded tractrix midrange (K-61-E) and horn-loaded tweeter (K-79-K). Vented box enclosure; built-in riser base. Power handling 100 W cont; FR 39-20,000 Hz,  $\pm$  3 dB; sens 101 dB SPL/W/m; imp 8 ohms. 18½ x 39 x 15½ in; 89 lb ea. Prices depends on finish, from .....\$1,698/pr

### Forte II 3-Way Speaker

Floor-standing speaker featuring horn-loaded tractrix drivers for midrange (K-61-K) and horn-loaded tweeter (K-75-K); 12-in voice coil vented woofer (K-25-K); 12-in sub bass radiator (KD-15). Vented box enclosure; built-in riser base. Power handling 100 W cont; FR 32-20,000  $\pm$  3 dB; sens 99 dB SPL/W/m; imp 8 ohms. 16½ x 35¼ x 12¼ in; 56 lb ea. Price depends on finish, from .....\$1,198/pr

### Quartet 3-Way Speaker

Floor-standing speaker featuring horn-loaded tractrix drivers for midrange (K-61-K) and horn-loaded tweeter (K-76-K); 10-in voice coil vented woofer (K-10-K); 12-in sub bass radiator (KD-13). Vented box enclosure; built-in riser base. Power handling 100 W cont; FR 38-20,000  $\pm$  3 dB; sens 97.5 dB SPL/W/m; imp 8 ohms. 15¼ x 31¼ x 12¼ in; 52 lb ea. Price depends on finish, from .....\$990/pr

### Heresy II 3-Way Speaker

Features 12-in woofer (K-24-K), horn-loaded compression midrange (K-53-K) and tweeter (K-76-K). Sealed enclosure. Power handling 100 W continuous; FR 50-20,000 Hz,  $\pm$  3 dB;

sensitivity 96 dB SPL/W/m; impedance 8 ohms. 15½ x 21¼ x 13¼ in; 37 lb ea. Price depends on finish, from .....\$818/pr

### Kg<sup>4</sup> 2-Way Speaker

Floor-standing speaker with 12-in rear-mounted sub-bass radiator (KD-12), two 8-in polymer-cone woofers (K-8), and horn-loaded tweeter (K-74). Vented box enclosure; built-in riser base. Power handling 100 W cont; FR 38-20,000 Hz,  $\pm$  3 dB; sens 94 dB SPL/W/m; imp 6 ohms. 15¼ x 24¼ x 10¼ in; 40 lb ea. Price depends on finish, from .....\$618/pr

### Kg<sup>2</sup> 2-Way Speaker

Features rear-mounted sub bass radiator (KD-10), 8-in polymer woofer (K-9-K), and a horn tweeter (K-72). Vented box enclosure. Power handling 65 W cont; FR 35-20,000 Hz,  $\pm$  3 dB; sens 90½ dB SPL/W/m; imp 4 ohms; crossover frequency 1,800 Hz. 13¼ x 18¾ x 11½ in; 28 lb ea. Price depends on finish, from .....\$438/pr

## KORT

*All Kort Audio speakers feature custom finish and metal grille.*

### Proxy 3 2-Way System

Transmission-line speaker featuring two 12-in woofers; six 2-in cone tweeters. Power handling 100 W; FR 17-22,000 Hz; S/N 96 SPL/W/m; crossover point 550 Hz; imp 4/1.9 ohms nom/min. 4 piece, 800 lb/sys .....\$4,500/sys

### CC-1E 2-Way Speaker

Transmission-line speaker featuring 10-in woofer; three 3-in cone tweeters. Power handling 60 W; FR 30-20,000 Hz; S/N 93 SPL/W/m; crossover point 900 Hz; imp 6/5 ohms nom/min. 12 x 44 x 31 in, 158 lb ea .....\$1,495/pr

### CC-2 2-Way Speaker

Transmission-line speaker featuring two 5-in woofers; 2½-in cone tweeter. Power handling 35 W; FR 55-20,000 Hz; S/N 92 SPL/W/m; crossover point 4,000 Hz; imp 4 ohms. 6 x 44 x 20 in, 658 lb ea .....\$625/pr

### CC-B Speaker

Transmission-line speaker featuring 4-in woofer. Power handling 5 W; FR 100-17,000 Hz; S/N 84 SPL/W/m; imp 8/7.5 ohms nom/min. 5 x 16 x 9 in, 15 lb ea .....\$235/pr

### 2-Way Surround Speaker

Acoustic-suspension speaker featuring 3-in woofer; ½-in dome tweeter. Power handling 5 W; FR 200-20,000 Hz; S/N 88 SPL/W/m; crossover point 4,000 Hz; imp 8/7 ohms nom/min. White primed finish. 3 x 4 x 3 in .....\$80/pr

## LANCER

### LE-150A 3-Way Speaker

Vented speaker with 10-in woofer; 4-in cone midrange driver; 1-in dome tweeter. FR 28-20,000 Hz; S/N 89 dB SPL/W/m; crossover points 800 and 4,000 Hz; impedance 8 ohms. Black-knit grille and oak-lacquer finish. 14 x 39 x 11 in, 48 lb ea .....\$1,000/pr  
**LE-110.** As above, FR 32-20,000 Hz. 15 x 26 x 12 in, 45 lb ea .....\$750/pr

### LE-75 3-Way Speaker

Vented speaker with two 6½-in woofers; 1-in dome tweeter. FR 42-20,000 Hz; S/N 89 dB SPL/W/m; crossover 3,200 Hz; imp 8 ohms. Black-knit grille and oak-lacquer finish. 8 x 29 x 10 in, 30 lb ea .....\$500/pr

### LE-50 2-Way Speaker

Vented speaker with 6½-in woofer; ¼-in dome

tweeter. FR 49-20,000 Hz; S/N 88 dB SPL/W/m; crossover point 3,000 Hz; imp 8 ohms. Black-knit grille and oak-lacquer finish. 9 x 14 x 8 in, 30 lb ea .....\$250/pr

### LE-1SW Subwoofer

Bandpass design with two 6½-in woofer. FR 38-160 Hz; S/N 88 dB SPL/W/m; crossover point 3,000 Hz; imp 8 ohms. Black finish. 9 x 14 x 8 in, 30 lb ea .....\$250/pr

### LE-25 2-Way Speaker

Vented speaker with 4-in woofer; ¼-in dome tweeter. FR 55-20,000 Hz; S/N 87 dB SPL/W/m; crossover point 3,500 Hz; imp 8 ohms. Black knit grille and oak-lacquer finish. 8 x 10 x 8 in, 7½ lb ea .....\$220/pr

## LAZER-TECH

### LT12 Tower Monitor 3-Way Speaker

12-in polypropylene woofer, 4½-in extended-range driver, 1-in soft-dome tweeter. Features separate isolation chambers for bass and midrange drivers; extensive internal bracing; 18° sloped-front sound plane; twin rear-firing tuned ports; 3-way computer-matched crossover network. FR 32-25,000 Hz; imp 8 ohms; sens 93 dB SPL/W/m; crossover points 700, 4,000 Hz; power handling 10-250 W. Rosewood or teak finish with removable black grilles. 90 lb ea \$1,395/pr  
**LT10.** As above with 10-in polypropylene woofer. 68 lb ea .....\$1,195/pr

### LP8 3-Way Speaker

46-in tall twin-ported panel system with two 8-in translucent-cone with 30-oz magnets; 4½-in extended-range driver, two 1-in soft-dome tweeter. Features separate midrange, bass, and tweeter isolation chambers; 3-way computer designed crossover network; fuse protection circuit; black removable grilles; input connections for cable. FR 25-25,000 Hz; imp 8 ohms; sens 93 dB. Oak, teak, rosewood, walnut, white rosewood or black-formica finish. 19½ x 28 x 5½ in; 55 lb .....\$1,250/pr  
**LP8A.** A short, wide version of the LP8 two 1-in soft-dome tweeters on front panel; slightly sloped stand. 19½ x 28 x 5½ in; 55 lb \$1,195/pr

### WD 803 3-Way Wedge Speaker

Features computer matched 8-in polypropylene woofer, 4½-in poly extended-range, 1-in soft-dome tweeter. Midrange isolation chamber; computer matched 3-way crossover network; fuse protection circuit; twin ports. Power handling 10-150 W; sens 92 dB; imp 8 ohms; FR 32-25,000 Hz. Walnut, white rosewood, black-formica finish; stands included. 13 x 40 x 13 in, 48 lb (stands included) .....\$695/pr

## LENOXX

### SP-200 Mini Pocket-Stereo Speakers

Features metal mesh grille; Alnico drivers. 2½ x 3½ x 1¼ in .....\$15

## LINN

### DMS Isobarik 3-Way Speaker

Isobarik-loading floor-standing speaker with 12-in and 9-in woofers, 5-in midrange, two ¼-in dome tweeters. Can be triamped. FR 25-20,000 Hz  $\pm$  1.5 dB; crossover points 375 and 3,000 Hz; imp 4 ohms; power range 50-500 W; 15 x 30 x 16½ in .....\$5,795/pr

### Kaber 2-Way Speaker

Floor-standing tower speaker with two 5-in woofers and ¼-in tweeter. Woofers operate at different enclosure resonance and crossover points. Can be triwired, or passively triamped. Includes integral base stand. Walnut or black-ash finish .....\$1,995/pr

# SPEAKERS

## Nexus LS 250 2-Way Speaker

Ported system, 8-in carbon-loaded polypropylene woofer, ¾-in soft-dome tweeter. Molded front baffle and part of structural foam polymer. Built-in 14-in pedestal stand. 4th-order Linkwitz-Riley crossover, phase aligned at 2,500 Hz. Frameless grill cloth over baffle. Can be biwired. Sens 88 dB SPL/W/m. 10 x 22 x 12 in; depending on finish, from . . . \$1,195-\$1,395/pr

## Helix II 2-Way Bookshelf Speaker

Ported speaker with 8-inch woofer and ¾-inch dome tweeter. Can be biwired or passively biamped. 10 x 20 x 11 inch. Simulated black-ash finish . . . \$895/pr

## K.A.N. II 2-Way Bookshelf Speaker

Acoustic-suspension speaker with 5-in woofer, ¾-in dome tweeter. FR 70-20,000 Hz ± 3 dB; imp 8 ohms; 7½ x 12 x 6½ in . . . \$875/pr

## Index II 2-Way Bookshelf Speaker

Acoustic-suspension design with 6-in woofer, 1-in dome tweeter. 50-strand 20-amp cable. FR 60-20,000 Hz ± 3 dB; power range 15-50 W; Sens 87 dB SPL/W/m; imp 8 ohms. 11 x 17 x 8 in; 17 lb; black woodgrain. . . . \$595/pr

## LRS ELECTRONICS

### Model 88441 3-Way Speaker

Air-suspension speaker with two 8-in woofers, two 4-in midbasses, 1-in dome (concave) tweeter. Power handling 500 W; FR 28-26,000 Hz. Oak or rosewood finish. . . . \$2,350/pr

**Model 881.** As above, with 1-in inverted dome tweeter. Power handling 300 W; FR 30-26,000 Hz. Black or oak finish. . . . \$900/pr

**Model 661.** As above, two 6-in woofers. Power handling 190 W; FR 38-26,000 Hz. . . . \$600/pr

**Model 61.** As above, 6-in woofer, one-inch tweeter. Power handling 95 watts; frequency response 40-26,000 Hz. . . . \$320/pr

### Model 81.5 2-Way Speaker

Passive-aligned system with 8-in woofer, 1-in driver, 10-in passive tweeter. Power handling 135 W; FR 25-26,000 Hz. Black, oak, rosewood finish. . . . \$450/pr

## LUXMAN

### S-505 2-Way In-Wall Speaker

Flush-mount speaker for installation in walls or ceilings. Features 8-in woofer with long-throw 1½-in voice coil and graphite/polypropylene cone; one-inch soft-dome tweeter with auto-resetting overload protector. Tweeter-level control; mounting provision for RC-501 remote-control sensor; integral clamps and mounting brackets. Frequency response 50-22,000 Hz ± 2.5 dB; sensitivity 89 decibels SPL/W/m; nominal impedance 8 ohms. Outside frame: 10½ x 14½ x 3¾ in . . . \$500

**RC-501.** Remote sensor . . . \$100

**PB-81.** Rough-in brackets . . . \$70/pr

**MG-81A.** Speaker grilles . . . \$30/pr

**MG-81B.** Speaker grilles with opening for remote sensor . . . \$30/pr

### S-503 2-Way In-Wall Speaker

Flush-mount speaker features 6½-in carbon-fiber-impregnated polypropylene woofer and 1-in soft-dome tweeter. 2-position tweeter-level switch; optional remote sensor grilles. Power handling 120 W peak; frequency response 60-22,000 Hz ± 2.5 dB; sensitivity 89 dB SPL/W/m; crossover frequency 7,000 Hz; impedance 8 ohms. 9¾ x 12¾ x 3¾ in . . . \$300/pr

**PB-61.** Rough-in brackets . . . \$70/pr

**MG-61A.** Speaker grille . . . \$30

**MG-61B.** Speaker grille with opening for remote sensor . . . \$30

## MAGNEPAN

### Magneplanar Tympani-IVa 3-Way Speaker

Combination planar-magnetic and ribbon tweeter with biamplification option. FR 30-40,000 Hz ± 3 dB; power handling 300 W max; Sens 87 dB SPL/W/m; imp 4 ohms bass, 3 ohms midrange/tweeter; crossover frequencies 400, 3,000 Hz. Off-white, black, or brown panel with oak trim; bass section: 1254 sq. in planar magnetic, midrange section: 168 sq. in planar magnetic, tweeter section: ¼ x 55 x 0.0001-0.00015 in; 260 lb/pr . . . \$3,800/pr

### MG 3.3 3-Way Speaker

Combination planar-magnetic/ribbon speaker featuring 628-sq-in bass section, 3-in x 57-in midrange section, and ¼-in x 60-in ribbon-tweeter section. Power handling 200 W cont; FR 32-40,000 Hz ± 3 dB; Sens 85 dB SPL/W/m; crossover frequencies 250, 1,000 Hz; imp 4 ohms. Blonde or black-oak side rails; white, black, gray, or brown grille cloth. 24 x 71 x 1¼ in; 130 lbs/pr . . . \$2,850/pr

### MG 2.6/R 2-Way Speaker

Combination planar-magnetic/ribbon speaker featuring 609-sq-in bass section and ¼-in x 40-in ribbon-tweeter section. Power handling 200 W cont; FR 37-40,000 Hz ± 3 dB; Sens 87 dB SPL/W/m; crossover frequency 1,000 Hz; imp 4 ohms. Blonde or black-oak side rails; white, black, gray or brown grille cloth. 22 x 71 x 1¼ in; 110 lbs/pr . . . \$1,950/pr

### MG 1.4 2-Way Speaker

Full-range planar-magnetic speaker featuring 428-sq in bass section and 1½-in x 45-in tweeter section. Power handling 200 W cont; FR 40-18,000 Hz ± 3 dB; Sens 87 dB SPL/W/m; crossover frequency 1,000 Hz; imp 5 ohms. Blonde or black-oak side rails; white, black, gray, or brown grille cloth. 22 x 60 x 1¼ in; 85 lbs/pr . . . \$980/pr

### SMGa 2-Way Speaker

Full-range planar-magnetic speaker featuring 370-sq in bass section and 1½-in x 38-in tweeter section. Power handling 100 W cont; FR 50-18,000 Hz ± 3 dB; Sens 85 dB SPL/W/m; crossover frequency 2,400 Hz; imp 4 ohms. Blonde or black-oak side rails; white, black, gray, or brown grille cloth. 19 x 48 x 1¼ in; 60 lbs/pr . . . \$575/pr

## M&K

### MX-1000CC Subwoofer System

Center-channel system with two 5-in polypropylene midranges, three 1-in soft-dome tweeters and powered subwoofer with two 12-in drivers. Designed for surround-sound systems. Features two inputs for center channel; independent level control for bass; upper roll-off frequency control . . . \$1,995

### MX-2000 Powered Subwoofer

Two 12-in push-pull drivers. Features 300-W control amp; separate continuously variable upper roll-off frequency. FR 20-125 Hz ± 3 dB; imp preamplifier input 15,000 ohms, amplifier input 600 ohms. 18¾ x 23 x 25½ in . . . \$1,695

### MX-1000 Pedestal Powered Subwoofer

Acoustic-suspension pedestal design with two 12-in drivers. Magnetic shielding for use as TV stand. 26 x 28 x 22 in; 115 lb . . . \$1,495

### V-100 Powered Subwoofer

Features 200 W rms power amp to drive 12-in dual voice-coil polypropylene subwoofer. Externally mounted filter adjustment. FR 20-125 Hz. Black-oak finish. 15¼ x 16 x 18¼ in. \$995

### V1B Powered Subwoofer

12-in polypropylene driver. Features preamplifier, power amplifier inputs; active filtering at 24 dB/octave with adjustable roll-off point. FR 18-125 Hz ± 3 dB. Walnut, oak or black-oak finish with black grille. 17¼ x 18¼ x 15¼ in; 50 lb . . . \$875 ea

**V2B.** Similar to V1B, less power. 43 lb \$725 ea

**V3B.** Similar to V2B, less power and black enclosure. 17½ x 17½ x 14½ in; 43 lb . . \$625 ea

### VX-4 Subwoofer

12-in driver. Features adjustable low-pass filter. FR 40-125 ± 3 dB; 50 W cont. Black finish . . . \$475 ea

### VX-7 Subwoofer

Acoustic-suspension design with 50-W amplifier and 8-in woofer. FR 40-125 Hz ± 3 dB. Black finish. 10 x 11¼ x 9½ in; 25 lb . . . \$395 ea

### S-100 2-Way Speaker

Satellite speaker with two 5-in polypropylene midranges and three 1-in soft-dome tweeters. Features two back-panel switches to adjust midrange and treble. Satin-graphite lacquer finish . . . \$995

Gloss-bead black finish . . . \$850/pr

Magnetic shielding . . . add \$125/pr

### Satellite 1B 2-Way Speaker

Acoustic-suspension speaker with two 5-in polypropylene woofers and two 1-in soft-dome tweeters. Features selector for 36 tonal balances; midrange/treble character switches. FR 70-22,000 Hz ± 3 dB; power range 7½-400 W; impedance 4 ohms. Walnut-oak or black-oak finish with black grille. Dimensions: 7¾ x 21 x 7¾ in. Weight: 19 lb . . . \$750/pr

**S-1B TV.** As above but magnetically shielded. Walnut, oak or black-oak finish . . . \$850/pr

### Satellite 2B 2-Way Speaker

Acoustic-suspension speaker with 6½-in polypropylene woofer and 1-in soft-dome tweeter. Features selector for 36 tonal balances; midrange/treble character switches. Frequency response 65-20,000 Hz ± 3 dB; power range 15-100 W. Walnut, oak or black-oak finish with black grille. Dimensions: 6½ x 10½ x 7 in; weight: 9 lb . . . \$575/pr

### SX-4 2-Way Speaker

Acoustic-suspension speaker with two five-inch woofers and two one-inch soft-dome tweeters. Features selector for four tonal balances. Frequency response 70-20,000 Hz ± 3 decibels. Black finish . . . \$525/pr

### Satellite 3B 2-Way Speaker

Acoustic-suspension speaker with 5-in polypropylene woofer and 1-in soft-dome tweeter. Features selector for 4 tonal balances. Frequency response 100-20,000 Hz ± 3 dB; power range 15-100 W. 7 x 10½ x 6½ in; 9 lb. Black finish, with black grilles . . . \$450/pr

Walnut-veneer with black grilles . . . \$495/pr

**S-3B TV.** Same as above, magnetically shielded. Black finish . . . \$495/pr

Walnut finish . . . \$550/pr

### SX-7 2-Way Bookshelf Speaker

Acoustic-suspension speaker with 4-in paper-cone midrange; ¾-in soft-dome tweeter. Features cast-aluminum box with perforated metal grille; circuit-breaker protection. Frequency response 100-20,000 Hz ± 3 dB; power range 5-100 watts; sensitivity 87 decibels SPL/W/m; impedance 4 ohms. Black finish. 4½ x 7¾ x 4½ in; 6 lb . . . \$250/pr

**SX-7.** Mounting brackets for above; black metal . . . \$15/set

# SPEAKERS

## MARANTZ

### SP 1515 3-Way Speaker

Ported, floor-standing speaker with 15-in woofer; 5-in cone midrange; 3-in cone tweeter; sculptured furniture-style cabinet. Max power 165 W; sens 92 dB SPL/W/m; imp 8 ohms. Bartonwood vinyl finish. 18 x 32½ x 16½ in; 47 lb .....\$360/pr

### SP 2010 3-Way Speaker

3-way speaker with 10-in Tri-Q bass driver; 2-in liquid-cooled dome midrange; 1-in liquid-cooled polymer-dome tweeter. FR 38-20,000 Hz; sensitivity 89 dB; impedance 8 ohms; power handling 10-120 W/ch. Autumn oak woodgrain cabinet, black knit fabric grille; 14¼ x 27¼ x 11½ in. ....\$300/pr

### SP 1200 3-Way Speaker

Ported, floor-standing speaker with 12-in woofer; 4-in cone midrange; 3-in cone tweeter. Max power 165 W; sens 90 dB SPL/W/m; imp 8 ohms. Bartonwood vinyl finish. 15 x 29½ x 11½ in; 32 lb .....\$240/pr

### SP 1000 3-Way Speaker

Ported speaker with 10-in woofer; 4-in cone midrange; 3-in cone tweeter. Max power 130 W; sens 89 dB SPL/W/m; imp 8 ohms. Vinyl finish. 13 x 27 x 11 in; 25 lb .....\$200/pr

### SP 2008 2-Way Speaker

Features 8-in Tri-Q bass driver; 1-in liquid-cooled polymer-dome tweeter. FR 42-20,000 Hz; sens 89 dB; imp 8 ohms; power handling 10-100 W/ch rms. Oak woodgrain cabinet; black knit grille; 13¾ x 17¾ x 9¾ in. ....\$200/pr

### SP 800 3-Way Speaker

Ported speaker with 8-in woofer; 4-in cone midrange; 2-in cone tweeter. Max power 60 W; sens 89 dB SPL/W/m; imp 8 ohms. Bartonwood vinyl finish. 13 x 26 x 8½ in; 15 lb .....\$140/pr

### SP 2006 2-Way Speaker

Featuring 6½-in Tri-Q bass driver; ¾-in liquid-cooled polycarbonate tweeter. FR 48-20,000 Hz; sens 88 dB; imp 8 ohms; power handling 10-80 W/ch rms. Autumn-oak woodgrain cabinet; black knit grille. 10 x 16 x 8¾ in. ....\$140/pr

### SP208 2-Way Speaker

Ported, 2-way speaker system with 8-in woofer and 2-in tweeter. Max power 50 W; sens 90 dB SPL/W/m; imp 8 ohms. Oak vinyl finish. 10¾ x 18¾ x 8¾ in; 10½ lb .....\$120/pr

### SP 2005 2-Way Speaker

Featuring 5¼-in Tri-Q bass driver; ¾-in liquid-cooled polycarbonate tweeter. FR 55-20,000 Hz; sens 85 dB; imp 8 ohms; power handling 10-50 W/ch rms. Autumn-oak woodgrain cabinet; black-knit grille. 9 x 14¼ x 7¾ in. ....\$100/pr

## JOHN MAROVSKIS

### Janis System 3a Powered Subwoofer

12-in slot-loaded subwoofer. Amp section: bass-level adjust; continuously variable woofer phase; 50 W rms into 8 ohms; THD < 0.05% at 20 Hz and 50 W; S/N 90 dB for 50 W. Woofer module: FR 30-100 Hz ± 1.0 dB; sens 85 SPL/W/m; crossover point 100 Hz; imp 8 ohms. Oiled walnut or white-oak finish; wood grille. Woofer module: 18 x 18 x 18 in. Amp: 14 x 3½ x 9 in. 87 lbs/sys .....\$950/sys

### Janis W1 Subwoofer

15-in slot-loaded subwoofer. FR 30-100 Hz ± 1 dB; sens 87 SPL/W/m; recommended min power 60 W/ch; crossover point 100 Hz; imp 8 ohms. Oiled walnut or white-oak finish; wood grille.

18 x 22 x 22 in. 100 lbs .....\$850 ea  
Coca Bola or Brazilian Monarch rosewood .....\$1,000 ea  
Black .....\$900 ea

### Janis W3 Subwoofer

12-in slot-loaded subwoofer. FR 30-100 Hz ± 1 dB; sens 85 SPL/W/m; recommended min power 60 W/ch; crossover point 100 Hz; imp 8 ohms. Oiled walnut or white-oak finish; wood grille. 18 x 18 x 18 in; 67 lbs .....\$600 ea  
Coca Bola or Brazilian rosewood .....\$750 ea  
Black .....\$650 ea

### Interphase 1A Dedicated Crossover/Amp

For Janis W1 or Janis W3. Features 2 independent high-pass filters and 1 low-pass filter; Crossover section: input imp 200,000 ohms; output imp 50 ohms; high pass FR 200-80,000 Hz ± 0.1 dB; low-pass frequency response 1-50 Hz ± 0.1 dB; amp: 100 W/ch rms; THD < 0.05% at 20 Hz and 100 W; S/N 90 dB at 100 W. 3½ x 14 x 13 in; 24 lbs .....\$750 ea

## MARTIN-LOGAN

### The Statement Electrostatic Speaker System

Floor-standing system consisting of 2 visually transparent curvilinear electrostatic panels, two woofer towers, and electronic crossover. Each electrostatic element measures 3 x 6 in and is curved and housed in massive frame; each woofer tower houses four 12-in woofers mounted in individually sealed antiresonant chambers; dual-mono crossover with four separate chassis, 2 contain power supplies and 2 contain crossover using proprietary discrete Class-A differential FET buffer topology; 120-dB output. Power handling 1,000 W cont; FR 16-25,000 Hz, ± 1.5 dB; sens 93 dB SPL/W/m; imp 6 ohms. Electrostatic section: 39½ x 84 x 6 in. Woofer towers: 15 x 84 x 30 in. Available in variety of finishes. 1 ton .....\$40,000/sys

### The Monolith III Hybrid Electrostatic Speaker

Floor-standing curvilinear electrostatic panel speaker mounted atop tuned subwoofer box. Designed for wide dispersion without use of lenses. Constant voltage crossover provides phase coherency. Features 2-ft x 4-ft electrostatic cell for 100-24,000 Hz and a 12-in low-mass cone subwoofer with 2-in voice coil that is down 3 dB at 24 Hz; electronic crossover. Power handling 500 W cont; FR 28-24,000 Hz, ± 2 dB; sens 90 dB SPL/W/m; imp 6 ohms. Available in variety of finishes. 25 x 75 x 13½ in; 165 lb ea .....\$7,000/pr  
With passive crossover .....\$6,500/pr

### The CLS II Electrostatic Speaker

Floor-standing curved visually transparent electrostatic speaker. Features wide-dispersion format for full-range reproduction; 2-ft x 4-ft electrostatic cell to reproduce all frequencies from 50-22,000 Hz; 30° seamless horizontal dispersion; invertical line-source format; arc-free diaphragm. Power handling 150 W cont; FR 50-22,000 Hz, ± 2 dB; sens 85 dB SPL/W/m; imp 6 ohms. Available in variety of finishes. 26 x 48 x 2 in; 75 lb ea .....\$3,500/pr

### The Sequel II Hybrid Electrostatic Speaker

Floor-standing electrostatic/subwoofer system. Features visually transparent electrostatic transducer that operates from 200-24,000 Hz; 30° seamless horizontal dispersion in a vertical line-source format; 1-ft x 4-ft electrostatic cell; 10-in subwoofer in tuned chamber with matrix voice coil. Power handling 300 W cont; frequency response 26-24,000 Hz ± 3 dB; sensitivity 89 dB SPL/W/m; impedance 6 ohms. Available in oak and black finish. 14½ x 74 x 13½ in; 110 lb ea .....\$2,500/pr

## MB QUART

### Quart Aera 3-Way Speaker

4-in spherical tweeter, 2-in aluminum-dome midrange, 10-in cast frame woofer. Passive system uses magnetostriction technology in tweeter. FR 20-50,000 Hz. Piano lacquer black or white. 13 x 48 x 16 in; 65 lb .....\$6,000/pr

### Quart Pure 3-Way Speaker

Floor-standing speaker with 1-in titanium-dome tweeter, 2-in aluminum-dome midrange, 8-in butyl-rubber-surround woofer. Power handling 160 W cont; FR 28-32,000 Hz. Oak, walnut, white-matte, black-matte finishes; special finishes include cherry, pine-raw oak. 12 x 44 x 14 in; 82 lb .....\$3,000/pr

### Quart 990MCS 4-Way Speaker

Floor-standing system with 1-in titanium-dome tweeter, 2-in aluminum-dome midrange, two 8-in cast-frame woofers. Power handling 120 W cont; FR 30-32,000 Hz. Oak, walnut, black or white lacquer finishes; special finishes include piano-lacquer black or white. 10¾ x 39¼ x 11½ in; 50 lb .....\$2,700/pr

### Quart 690MCS 2-Way Speaker

Tower design with 1-in titanium-dome tweeter, 8-in woofer. Power handling 100 W cont; FR 35-32,000 Hz. Oak, walnut, black or white lacquer finishes; special finishes include pine, cherry, granite, marble, raw oak, and high-gloss black or white 10¾ x 33¾ x 11¼ in; 39 lb .....\$1,500/pr

### Quart 390MCS 2-Way Speaker

2-way mini tower design with 1-in titanium-dome tweeter, 8-in woofer. Power handling 100 W cont; FR 38-32,000 Hz. Black lacquer finish. 9¼ x 31½ x 11 in; 32 lb .....\$1,100/pr

### Quart 490MCS 2-Way Bookshelf Speaker

1-in titanium-dome tweeter, 8-in woofer. Power handling 100 W cont; FR 37-32,000 Hz. Oak, walnut, black or white lacquer finishes; special finishes include pine, cherry, raw oak. 11 x 17¾ x 11½ in; 22 lb .....\$899/pr

### MB 310 Subwoofer

12-in woofer; FR 25-100 Hz; sens 87 dB SPL/W/m; min. amp power 50 W; crossover frequency 100 Hz. Walnut, oak, black or white lacquer finishes. 16 x 19 x 15 in; 40 lb .....\$849

### Quart 290 2-Way Bookshelf Speaker

1-in titanium-dome tweeter, 8-in woofer. Power handling 90 W cont; FR 40-32,000 Hz. Oak, walnut, black or white lacquer finishes; special finishes include pine, cherry, raw oak. 11 x 17 x 11½ in; 22 lb .....\$699/pr

### Quart 190 2-Way Bookshelf Speaker

1-in titanium-dome tweeter, 6½-in woofer. Power handling 90 W max; FR 46-32,000 Hz. Oak, walnut, black or white lacquer finishes; special finishes include pine, cherry, raw oak. 9½ x 13½ x 10 in .....\$599/pr

### Quart 90M 2-Way In-Wall Speaker

Features 1-in titanium-dome tweeter, 8-in woofer. Power handling 100 W cont; FR 46-32,000 Hz. White matte finish; 10¾ x 12 x 3¾ in; 5.7 lb .....\$599/pr

## MCINTOSH

### XR 240 3-Way Speaker

12-in woofer, 6½-in midrange, and 1-in dome tweeter in sealed cabinet. Solid-state current-sensor protector for tweeter; overload-protection fuses; Power Guard circuit prevents clipping. Power handling 300 W max; FR 20-20,000 Hz; sens 86 dB SPL/W/m; crossover points 375

# SPEAKERS

HZ, 1,200 Hz; imp 8 ohms. Oak, walnut, or black-on-ash veneer finish. 15 x 43/4 x 13/4 in. .... \$2,298/pr

## XR 230 3-Way Speaker

10-in woofer, 5-in midrange, and 1-in dome tweeter in sealed cabinet. Solid-state current-sensor protector for tweeter; overload-protection fuses; Power Guard circuit prevents clipping. Power handling 300 watts max; frequency response 20-20,000 Hz; sensitivity 86 dB SPL/W/m; crossover points 375 Hz, 1,200 Hz; impedance 8 ohms. Oak, walnut, or black-on-ash veneer. Dimensions: 13 x 40 1/4 x 11 1/4 in; 56.6 lb. .... \$1,898/pr

## XRT 22 Subwoofer/Satellite System

Bass cabinet containing two 12-in woofers and 8-in midrange, and column containing 23 1-in tweeters. Oak finish. Bass cabinet: 25 1/4 x 40 1/4 x 12 1/4 in; tweeter column: 10 1/2 x 79 1/2 x 1 1/4 in; 258 lb. .... \$8,000/pr  
Walnut finish. .... \$8,500/pr  
CS 22. Stands for tweeter column. Walnut or oak. 37 lb. .... \$799/pr

## XRT 18 Subwoofer/Satellite System

Bass cabinet containing 12-in woofer and 6-in midrange and column containing sixteen 1-in dome tweeters. Features 3-ampere fast-acting fuse for woofer and midrange and 1.25-ampere fuse for tweeters. Cabinet constructed of high-density fiber board with walnut-veneer exterior. FR 20-20,000 Hz; sens 86 dB SPL/W/m; power handling 150 W cont, 500 W peak; min power 30 W; imp 8 ohms; crossover points 350, 1,500 Hz. Bass cabinet: 17 1/2 x 27 1/4 x 11 1/4 in, tweeter column: 10 1/2 x 57 1/4 x 1 1/4 in; 108 lb. .... \$4,998/pr  
CS 18. Stands for XRT 18 tweeter column. Oak or walnut. 47 lb. .... \$649/pr

## XR 1052 3-Way Speaker

10-in woofer with copper voice coil; 5-in midrange isolated from woofer; 1-in dome tweeter with copper-wire voice coil centered and suspended with custom surround; 15-in passive radiator with accurately adjusted moving mass; crossover points 55, 450, and 1,300 Hz; high-density particleboard cabinet; imp 8 ohms. FR 30-20,000 Hz; max power handling 250 W. Walnut finish. 16 x 47 1/2 x 11 1/4 in; 94 lb. .... \$2,500/pr

## XL 10 2-Way Speaker

8-in woofer, 1-in dome tweeter, and 10-in controlled-mass passive radiator. Tweeter protected by 0.6-amp fuse. Power handling 100 W max; imp 8 ohms; FR 45-20,000 Hz; sens 89 dB SPL/W/m; crossover points 90 and 1,000 Hz. Walnut finish. 14 1/4 x 25 x 7 1/4 in; 27.5 lb. .... \$858/pr

## XL 1W Subwoofer

Dual-voice-coil subwoofer designed to complement and extend performance of McIntosh XL 1 speaker. Features 12-in woofer; two 1.5-ampere fast-acting fuses; walnut-veneer cabinet with hand-rubbed lacquer finish. FR 20-150 Hz; sens 85 dB SPL/W/m; power handling 100 W max; min power 30 W; crossover point 90 Hz. 17 1/2 x 27 1/4 x 11 1/4 in; 62 lb. .... \$549 ea

## XL 1 2-Way Bookshelf Speaker

6-in woofer, 1-in dome tweeter, and 1,000-Hz crossover. Features 0.6-ampere fast-acting fuse. FR 70-20,000 Hz; max power handling 80 W; min power 30 W; imp 8 ohms; sens 85 dB SPL/W/m. 3/4-in high-density particleboard cabinet with internal bracing. Walnut finish. 8 1/4 x 12 1/4 x 7 in; 35 lb. .... \$599/pr

## McNEILL

### McNeill 2-Way Speaker

Acoustic-suspension infinite-baffle design with

Audax 1-in soft-dome tweeter; 8-in Rockford woofer. Features heavy-duty 5-way binding posts. Power handling 100 W/ch; FR 31-25,000 Hz; sens 90 dB. 11 x 20 x 12 in. .... \$319/pr

## MDS

### S-2000 Subwoofer/Satellite System

Four 2-way satellites and one subwoofer with 6 drivers. Features built-in crossover network in subwoofer. Power handling 130 W max; FR 30-20,000 Hz; sens 92 dB; crossover points 120, 3,000 Hz. Satellites 6 1/4 x 6 1/4 x 2 1/2 in; subwoofer: 11 x 44 x 11 in. .... \$1,101

### KP-800 Subwoofer/Satellite System

Subwoofer with two 10-in dual-voice-coil drivers; satellites with 4-in midrange and 1 1/2-in polycarbon ferrofluid-cooled tweeters. FR 28-20,000 Hz; sens 92 dB; crossover points 120, 6,000 Hz. Subwoofer: 16 1/2 x 16 1/2 x 16 1/2 in; satellites: 14 x 14 x 14 in. .... \$799

### KP-600 Subwoofer/Satellite System

Subwoofer with two 5 1/4-in and one 8-in dual-voice-coil drivers; satellites with 4-in midrange and 1 1/2-in polycarbon ferrofluid-cooled tweeter. FR 30-20,000 Hz; sens 92 dB; crossover points 120, 6,000 Hz. Subwoofer: 34 x 12 in at base, 5 in at top. .... \$699

### S-1000 Subwoofer/Satellite System

Two 2-way satellites and one subwoofer with 4 drivers. Features built-in crossover network in subwoofer. Power handling 110 W max; FR 35-20,000 Hz; sens 92 dB; crossover points 125, 3,500 Hz. Satellites 6 1/4 x 6 1/4 x 2 1/2 in; subwoofer: 9 x 32 x 9 in. .... \$699

### KP-500 Subwoofer/Satellite System

Subwoofer with two 5 1/4-in and 1 x 6 1/2-in dual-voice-coil drivers; satellites with 4-in midrange and 1 1/2-in polycarbon ferrofluid-cooled tweeter. Frequency response 30-20,000 Hz; sensitivity 92 decibels; crossover points 120, 6,000 Hz. Subwoofer dimensions: 34 x 9 in at base, five inches at top. .... \$599

### KP-700 Subwoofer/Satellite System

Subwoofer with one 10-in dual-voice-coil driver; satellites with 4-in midrange and 1 1/2-in polycarbon ferrofluid-cooled tweeter. FR 30-20,000 Hz; sens 92 dB; crossover points 120, 6,000 Hz. Subwoofer: 14 1/4 x 14 1/4 x 14 1/4 in at base, 12 x 12 x 12 in at top. .... \$499

### K-200 2-Way Speaker

Two-way speaker with 4-in midrange and 1 1/2-in polycarbon ferrofluid-cooled tweeter. FR 30-20,000 Hz; sens 92 dB; crossover points 120, 6,000 Hz. 4 1/4 x 7 x 5 in. .... \$199

## MERIDIAN

### D6000 Digital Powered Speaker System

Multiamplifier active speaker with digital signal processor. Features four 8-in woofers side-firing in sealed-box bass enclosure; 6 1/2-in midrange, and 1-in aluminum-dome tweeter with silver voice wire in separate, asymmetrically shaped "head". All crossovers, tone controls, and speaker time and frequency equalization computed in digital domain with output to four separate 256x-oversampling, dual-differential PDM bitstream D/A converters. 75 W x 4 amplifier; 2 coaxial digital and 2 optical digital inputs; proprietary PLL digital-input circuitry. Built-in LED display shows CD track/time information, volume level, tuning/preset info from Meridian 204 tuner; remote control included. Frequency response 20-20,000 Hz; max output 112 dB SPL. Piano-black finish on head, black-gloss front, top on woofer enclosure with black-cloth side

grilles. .... \$12,000/pr

### D600 Digital Powered Speaker System

Triamplified vented-box design with built-in 4x-oversampling digital filter and 16-bit D/A converter. Features 6 1/2-in woofer, 6 1/2-in midbass, and 1-in metal-dome tweeter. Selects between digital and analog inputs; 2 analog, 2 digital, and 1 digital/optical input. Display gives information about source and volume number and when connection to 200 Series components; also shows CD track number and FM preset number and frequency. Includes wireless remote control that controls D600 loudspeakers and other Meridian components. Remote unit controls frequency shaping and tilt controls to optimize response. 70 W x 3; FR 36-20,000 Hz; SPL 110 dB. 8 1/4 x 35 1/2 x 11 1/4 in; 70 lb ea. Rosewood, walnut, or black ash. .... \$5,000/pr  
M60. As above without digital processor, analog preamp, and display. 60 lb ea. .... \$3,000/pr

### M20II 2-Way Powered Speaker

Biamplified vented-box design with twin 70-W internal amplifiers, two 5-in Bextreme cone midbass drivers, and 1-in metal-dome tweeter. Features electronic crossover; balanced/unbalanced inputs; "music sense" circuit that automatically turns on system upon receipt of signal. SPL 109 dB; FR 40-20,000 Hz. Walnut or black ash. .... \$2,490/pr

### M30II 2-Way Powered Speaker

Biamplified vented-box design with twin 70-W internal amplifiers, 6 1/2-in midbass driver and 1-in metal-dome tweeter. Features PVC surround; balanced/unbalanced inputs; "music sense" circuit that automatically turns on system upon receipt of design. FR 40-20,000 Hz; SPL 106 dB. Walnut or black-ash finish. .... \$1,990/pr

### M200 Powered Subwoofer

Floor-standing coupled-cavity design with two 8-in woofers. Woofers each rear-loaded by sealed enclosures, share common, ported output chamber; electronic crossover with stereo high-pass preamp-level outputs plus 175-W amplifier; high-density particleboard enclosure with internal bracing. Balanced low-level and high-level inputs; selectable crossover point. FR 18-50 Hz; max output >110 dB SPL. Genuine black-ash finish with black-glass top. 10 1/4 x 26 1/4 x 16 1/4 in. .... \$1,600

## MIRAGE BY API

### M1 4-Way Speaker

Floor-standing bipolar radiator utilizing proprietary transducers. Features two 8-in polyflex-treated carbon-filled polypropylene woofers (1 front, 1 rear) with 1 1/2-in voice coil; two 4 1/2-in tri-laminated carbon-filled polypropylene cone midranges (1 front, 1 rear); two 3/4-in hyperbolic dome tweeters (1 front, 1 rear). Biwire or biamp hook. Power handling 400 W cont; FR 25-23,000 Hz ± 2 dB; sens 83 dB SPL/W/m; crossover frequencies 100, 300, 2,300 Hz; imp 6 ohms. 20 x 50 x 10 in; 185 lb ea. .... \$5,000/pr

### M3 3-Way Speaker

Floor-standing bipolar radiator utilizing proprietary transducers. Features 10-in polyflex-treated carbon-filled polypropylene woofer with 1 1/2-in voice coil; two 4 1/2-in tri-laminated carbon-filled polypropylene cone midranges (1 front, 1 rear); two 3/4-in cloth-dome tweeters (1 front, 1 rear). For biwire or biamp hook. Power handling 250 W cont; FR 25-23,000 Hz ± 2 dB; sens 85.5 dB SPL/W/m; crossover frequencies 400, 2,200 Hz; imp 6 ohms. 19 x 53 x 9 in; 130 lb ea. .... \$2,500/pr

### Model 760 2-Way Speakers

Floor-standing, bass-reflex design with two 8-in

# SPEAKERS

carbon-filled polypropylene woofers with stitched butyl-surround, and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 200 W cont; FR 20-20,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; imp 6 ohms. Black-ash or walnut-vinyl veneer finish. 12 x 37 x 15 in; 62 lb ea. .... \$1,000/pr

## Model 460 2-Way Bookshelf Speaker

Bass-reflex design with 8-in carbon-filled polypropylene with stitched butyl-surround woofer, and 1-in soft-dome ferrofluid-cooled tweeter. Power handling 100 W cont; FR 35-20,000 Hz  $\pm$  3 dB; sens 87.5 dB SPL/W/m; crossover frequency 2,500 Hz; imp 8 ohms. Black-ash or walnut-vinyl veneer finish. 10 x 25 x 11 in; 32 lb ea. .... \$600/pr

## Model 360 2-Way Bookshelf Speaker

Bass-reflex speaker design with 8-in carbon-filled polypropylene with stitched butyl-surround woofer, and 1-in soft-dome ferrofluid-cooled tweeter. Power handling 100 W cont; FR 40-20,000 Hz  $\pm$  3 dB; sens 88 dB SPL/W/m; crossover frequency 2,800 Hz; imp 8 ohms. Black-ash or walnut-vinyl veneer finish. 10 x 20 x 8 in. .... \$400/pr

## Model 260 2-Way Bookshelf Speaker

Front-vented, bass-reflex speaker features 6 $\frac{1}{2}$ -in carbon-filled polypropylene with stitched butyl-surround woofer, and  $\frac{3}{4}$ -in soft-dome ferrofluid-cooled tweeter. Power handling 80 W cont; FR 45-20,000 Hz  $\pm$  3 dB; sens 87 dB SPL/W/m; crossover frequency 3,000 Hz; imp 8 ohms. Black-ash or walnut-vinyl veneer finish. 9 x 15 x 8 in. .... \$260/pr

## MISSION

### Mission 767 3-Way Powered Speaker

Tower speaker with two powered 8 $\frac{1}{4}$ -in mineral-loaded polymer woofers, two 6 $\frac{1}{2}$ -in mineral-loaded polypropylene midbasses, 1-in super-elliptical dome tweeter. Features low-frequency active filter; low-frequency; high-current power amplifier; passive midrange and upper bass crossover; 1-in medium-density fiber board cabinet with rounded corners; 3 separate internal enclosures; 5-way binding posts; controls for low-frequency roll off and contour; biamping and biwiring capability. Power handling 250 W rms; FR 20-20,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; imp 8 ohms. 11 $\frac{1}{8}$  x 5 $\frac{5}{8}$  x 16 $\frac{1}{2}$  in; 220 lb ea; high-gloss wood finish and piano finish (extra cost) .... \$4,499/pr

### Mission 765i 2-Way Speaker

Floor-standing column. Two 8-in polypropylene midbass drivers with 2-in voice coils; 1-in super elliptical dometweeter with ferrofluid cooling. 1 $\frac{1}{2}$ -in MDF. Sealed box, adjustable and removeable carpet piercing spikes; biamping/bi wiring connectors. Crossover point 2,500 Hz; 93 dB SPL; FR 35-20,000 Hz  $\pm$  3 dB; imp 4 ohms; power 250 W rms. Natural rosewood and black-ash wood veneers. 10 $\frac{1}{2}$  x 40 x 14 in; 110 lbs ea. .... \$1,999/pr

### Mission 764i 2-Way Speaker

Floor-standing column. 8 $\frac{1}{4}$ -in mineral-loaded polymer midbass; 1-in super elliptical dome tweeter with ferrofluid cooling.  $\frac{3}{4}$ -in MDF. Reflex-bass loading. Flared tuned port, adjustable and removeable carpet piercing spikes; biamp/bi wiring connectors. Crossover point 3,000 Hz; sensitivity 88 dB; frequency response 38-20,000 Hz  $\pm$  3 dB; imp 8 ohms; power 200 W rms. Natural rosewood and black-ash veneer finish. 9 $\frac{7}{8}$  x 33 $\frac{1}{8}$  x 13 $\frac{1}{4}$  in; 44 lb. .... \$1,099/pr

### Cyrus 782 2-Way Speaker

Two 6 $\frac{1}{2}$ -in mineral-loaded polymer midbasses

$\frac{3}{4}$ -in ferrofluid-cooled fabric-dome tweeter.  $\frac{3}{4}$ -in MDF baffle board, biwiring/biamp connectors. Crossover point 3,200 Hz; sens 91 $\frac{1}{2}$  dB; FR 49-20,000 Hz  $\pm$  3 dB; imp 4 ohm; 150 W rms. Black ash and rosewood veneers and nextel grey. 9 $\frac{7}{8}$  x 19 $\frac{1}{4}$  x 13 $\frac{1}{8}$  in; 30 $\frac{3}{4}$  lb. .... \$899/pr

### Mission 763 2-Way Speaker

Bass-reflex speaker with 8-in polypropylene midbass and  $\frac{3}{4}$ -in ferrofluid-cooled fabric-dome tweeter. Features flared tuned port;  $\frac{3}{4}$ -in medium-density fiber board cabinet; removeable carpet-piercing spikes; biamping and biwiring posts. Power handling 150 W rms; FR 42-20,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; nom imp 8 ohm; crossover point 3,200 Hz. Simulated rosewood, walnut, and black-ash veneers. 9 $\frac{7}{8}$  x 30 $\frac{1}{4}$  x 13 $\frac{1}{4}$  in; 35 lb ea. .... \$699/pr

### Cyrus 781 2-Way Speaker

Bass-reflex speaker with 6 $\frac{1}{2}$ -in mineral-loaded polymer midbass and  $\frac{3}{4}$ -in ferrofluid-cooled fabric-dome tweeter. Features  $\frac{3}{4}$ -in medium-density fiber board cabinet; 5-way post; biamping and biwiring; flared tuned-port. Power handling 25-100 W; FR 47-20,000 Hz; sens 90.5 dB SPL/W/m; nom imp 6 ohms; crossover point 3,500 Hz. Available in rosewood veneer, nextel gray, and black-ash finishes. 9 x 17 x 11 in; 20 lb ea. .... \$599/pr

### Mission 762 2-Way Bookshelf Speaker

Bass-reflex speaker with 8-in plastiflex midbass and  $\frac{3}{4}$ -in ferrofluid-cooled fabric-dome tweeter. Features  $\frac{3}{4}$ -in fiber board cabinet; flared, tuned port; 5-way binding posts. Power handling 125 W rms; FR 50-20,000 Hz  $\pm$  3 dB; sens 93.5 dB SPL/W/m; imp 8 ohms; crossover point 4,300 Hz. Simulated blackash veneer finish. 9 $\frac{7}{8}$  x 16 $\frac{1}{8}$  x 11 $\frac{1}{8}$  in; 21 lb ea. .... \$449/pr

### Cyrus 780 2-Way Speaker

5 $\frac{1}{4}$ -in plastiflex midbass, 1 $\frac{1}{4}$ -in ferrofluid-cooled soft-dome tweeter. Transverse folded cabinet; inverted drive unit geometry; 1 $\frac{1}{2}$ -in polypropylene injection-molded baffle board; four 5-way binding posts for biwiring/biamping. Crossover point 5,000 Hz; sens 90 dB SPL; FR 60-20,000 Hz  $\pm$  3 dB; imp 6 ohm; power handling 80 W rms. Black-ash, rosewood veneers or nextel gray. 7 $\frac{1}{4}$  x 11 $\frac{1}{2}$  x 10 in; 15 lb. .... \$379/pr

### Mission 761 2-Way Bookshelf Speaker

2-way speaker with 6 $\frac{1}{2}$ -in midbass,  $\frac{3}{4}$ -in ferrofluid-cooled soft-dome tweeter. Features transverse-folded cabinet; 5-way binding posts. Power handling 100 W rms; FR 58-20,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; nom imp 6 ohms; crossover point 4,200 Hz. Simulated black-ash veneer. 8 $\frac{1}{4}$  x 15 x 8 $\frac{1}{2}$  in; 13 lb. .... \$289/pr

### Mission 760 2-Way Speaker

5 $\frac{1}{4}$ -in plastiflex midbass driver, 1 $\frac{1}{4}$ -in ferrofluid-cooled soft-dome tweeter. Transverse folded cabinet; 1 $\frac{1}{2}$ -in polypropylene injection molded baffle board. Crossover point 5,000 Hz; sens 90 dB SPL; FR 65-20,000 Hz  $\pm$  3 dB; imp 6 ohm; power 80 W rms. Black-ash simulated veneer. 7 $\frac{1}{4}$  x 11 $\frac{1}{2}$  x 8 in; 11 lbs. .... \$229/pr

### Speaker Stands

#### Mission Designer

Rigid Z-shaped, tubular steel stand with carpet piercing spikes. Matches with 761 and 762 speaker systems. Satin-black finish. .... \$149/pr

#### Cyrus

Rigid 3 column, tubular-steel stand. Heavy-duty carpet piercing spikes, optional short-coned upward facing top plate spikes. Textured matte- black finish. Matches with 781 and 782 systems. .... \$199/pr

## MITSUBISHI

### M-S8010 Subwoofer

Ported design with 12-in polymer-laminate speaker cone and 2-in voice coil. Features magnetically shielded cabinet; high- and low-level inputs; volume control; satellite speaker connections. Power handling 100 W rms; FR 20-120 Hz; THD < 1%; imp 8 ohms; variable crossover point 60-120 Hz. Black finish. .... \$800

## MONITOR AUDIO

### Studio Series

#### Studio 10 2-Way Bookshelf Speaker

Anodized gold metal-dome tweeter, 6-in anodized aluminium-ceramic woofer. FR 40-30,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 88.5 dB SPL/W/m; power 20-200 W. Rosewood, black-ash, walnut, oak finishes. 8 x 16 x 10 in. .... \$3,000/pr

### Gold Series

#### MA1800 Gold 2-Way Speaker

Floor-standing, double-ported speaker with two 6-in polypropylene woofers and 1-in gold metal-dome tweeter. Features "balanced flow" design; cabinet allows for sand filling. FR 30-30,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 89 dB SPL/W/m; power range 20-300 W. Black-ash, oak, walnut, rosewood finishes. 15 x 46 x 12 in. .... \$3,600/pr

#### MA1200 Gold 2-Way Speaker

Floor-standing, ported design with 6-in polypropylene woofer and 1-in gold metal-dome tweeter. Cabinet allows for sand filling. FR 35-30,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 89 dB SPL/W/m; power range 15-200 W. Black-ash, oak, walnut, rosewood finishes. 8 x 36 x 10 in. .... \$2,200/pr

#### MA952 Gold 2-Way Speaker

Floor-standing, infinite-baffle design with two 6-in polypropylene woofers and 1-in gold metal-dome tweeter. FR 45-30,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 89 dB SPL/W/m; power range 15-120 W. Black-ash, Kenya-black, oak, walnut finishes. 9 x 31 x 13 in. .... \$1,800/pr

#### MA852 Gold 2-Way Speaker

Floor-standing speaker with 8-in polypropylene woofer and 1-in gold metal-dome tweeter. Features internally braced cabinet; infinite baffle design. FR 50-30,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 89 dB SPL/W/m; power range 15-120 W. Black-ash, Kenya-black, oak, walnut finishes. 10 x 18 x 11 in. .... \$1,400/pr

#### MA700 Gold 2-Way Bookshelf Speaker

1-in anodized gold metal-dome tweeter, 6-in polypropylene woofer. Features biwiring option. FR 45-30,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 89 dB SPL/W/m; power handling 20-100 W. Rosewood, black-ash, walnut, oak finishes. 8 $\frac{1}{2}$  x 14 x 10 in. .... \$1,100/pr

### Monitor Series

#### Monitor 14 3-Way Speaker

Floor-standing system configured similar to Monitor 11. Internal chamber can be filled with sand for mass loading. Biwireable crossover. Spiked feet included. FR 60-20,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 88 dB SPL/W/m; power handling 15-100 W. 100% MDF construction; rigid bracing; black double-laquer finish. 8 x 30 x 9 in. .... \$999/pr

#### Monitor 11 3-Way Speaker

1-in metal dome tweeter, two 6 $\frac{1}{2}$ -in woofers with low-pass filter on one. FR 60-20,000 Hz  $\pm$  3 dB; imp 8 ohms; sens 88 dB SPL/W/m; power

# SPEAKERS

handling 15-100 W. 100% MDF construction; black lacquer finish. 8 x 22½ x 9 in. .... \$799/pr

## Monitor 9 2-Way Bookshelf Speaker

1-in metal-dome tweeter, 6½-in impregnated woofer. Infinite-baffle design. FR 55-20,000 Hz ± 3 dB; imp 8 ohms; sens 88 dB SPL/W/m; power handling 15-100 W. 100% MDF cabinet construction. 8 x 14½ x 8¼ in. .... \$499/pr

## Monitor 7 2-Way Bookshelf Speaker

¾-in metal-dome tweeter, 4½-in impregnated woofer. Features rear port. FR 60-20,000 Hz ± 3 dB; imp 8 ohms; sens 88 dB SPL/W/m; power handling 15-70 W. 100% MDF cabinet construction. 6½ x 13½ x 7 in. .... \$399/pr

## Speaker Stands

ST10. Welded, lead-filled, 66 lb. each. Black powder-coat finish; suits Studio 10. .... \$750/pr  
MAMS 7. Rigid metal stand, sand fillable; suits Monitor 7, Monitor 9, MA-700 Gold, MA-852 Gold, Studio 10. .... \$175/pr  
MAMS 11. Rigid metal stand, sand-fillable; suits Monitor 11. .... \$175/pr

## MORDAUNT-SHORT

### System 442 3-Way Speaker

Reflex speaker with two 7-in woofers and 1-in titanium-dome tweeter. Power handling 300 W cont; frequency response 50-20,000 Hz ± 5 dB; sens 87 dB SPL/W/m; imp 6 ohms; crossover points 250 and 5,000 Hz. Black-ash, mahogany, walnut, or light ash finishes. 10 x 37 x 15 in; 55 lb/ea. .... \$2,900/pr

### MS 3.50 2-Way Speaker

Transmission-line speaker with 8-in woofer and 1-in aluminum-dome tweeter. Min power 15 W; FR 45-22,000 Hz ± 5 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. Black-ash finish. 9 x 35 x 15 in; 40 lb ea. .... \$899/pr

### MS 3.40 2-Way Speaker

Reflex speaker with 8-in woofer and 1-in aluminum-dome tweeter. Min power 15 W; FR 50-22,000 Hz ± 5 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. Black-ash finish. 9 x 23 x 15 in; 21 lb ea. .... \$549/pr

### MS 3.30 2-Way Speaker

Reflex speaker with 8-in woofer and 1-in aluminum-dome tweeter. Min power 15 W; FR 60-22 Hz ± 5 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. Black-ash finish. 9 x 18 x 11 in; 18 lb ea. .... \$449/pr

### MS 3.20 2-Way Speaker

Reflex speaker with 5-in woofer and ¾-in aluminum-dome tweeter. Min power 15 W; FR 70-22,000 Hz ± 5 dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover pt 5,000 Hz. Black-ash finish. 7 x 14 x 8 in; 9 lb ea. .... \$349/pr

### MS 3.10 2-Way Speaker

Reflex speaker with 5-in woofer and ¾-in aluminum-dome tweeter. Min power 15 W; FR 75-20,000 Hz ± 5 dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Black-ash finish. 7 x 11 x 8 in. .... \$249/pr

Model 3.1S Stand. Adjustable polypropylene stand for all Mordaunt-Short speakers. \$129/pr

## MOREL

### Duet 2-Way Speaker

6-in woofer and 1½-in ferrofluid-cooled soft-dome tweeter. Features Hexatech winding (aluminum wire wound hexagnally) in tweeter; double-magnet woofer Hexatech voice coil. Power handling 150 W rms; FR 40-22,000 Hz ± 2

dB. Black lacquer finish. 8 x 15 x 12 in; 20 lb. .... \$995/pr  
Blond Oak veneer. .... \$945/pr

### Encore Satellite/Subwoofer System

2-way satellites with 6-in woofer and 1.1-in dome tweeter. Power handling 120 W rms; FR 90-22,000 Hz. 7 x 11 x 9 in; 16 lbs. Black-lacquer finish. Subwoofer contains dual 9-in woofers in push-pull configuration; built-in 90-Hz crossover point. Power handling 150 W rms; FR 30-90 Hz. matte-black finish. 12 x 20 x 14 in; 32 lb. .... \$990  
Satellites. .... \$495/pr  
Subwoofer. .... \$495 ea

### MPL-403-II 3-Way Speaker

Ported floor-standing speaker with 9-in free-edge paper-cone woofer, 3-in dome midrange, and 1½-in dome tweeter. Power range 10-125 W rms; FR 38-25,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 4-8 ohms. Finished in walnut, teak, or black. 12 x 21 x 10 in; 26 lb. .... \$695/pr

### MPL-203 2-Way Speaker

Linear-phase speaker with 6-in woofer and 1½-in ferrofluid-cooled soft-dome tweeter. Features sealed cabinet; woofer with double magnet, 3-in voice coil. Power handling 150 W; FR 45-28,000 Hz ± 3 dB. Walnut, red walnut, teak, or black finish. 8 x 16 x 9½ in; 18 lb. .... \$640

### MPL-307 2-Way Speaker

Speaker with two 9-in woofers and a 1½-in dome tweeter. Power handling 200 W; FR 33-25,000 Hz ± 3 dB. Walnut veneer. 13 x 23 x 12 in; 32 lb. .... \$400

### MPL-202 II Bookshelf Speaker

Acoustic-suspension linear-phase bookshelf speaker. Power range 10-150 W rms; FR 60-28,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 4-6 ohms. Available in walnut, teak, or black. 8 x 13 x 10 in. .... \$545/pr

### CR-7 2-Way Bookshelf Speaker

Acoustic-suspension bookshelf speaker with 6-in treated paper-cone woofer with metal grille and 1-in soft-dome tweeter with metal grille to eliminate internal standing waves and improve dispersion and flatness of frequency response. Features an asymmetrical cabinet design; available in mirrored pairs. Power range 20-200 W rms; FR 70-25,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 4-8 ohms. Black finish. 4¾ x 11 x 7½ in; 10 lb ea. .... \$498/pr

### MPL-201 II 2-Way Bookshelf Speaker

Acoustic-suspension speaker with 9-in free-edge paper-cone woofer and 1½-in dome tweeter. Power range 10-100 W rms; FR 48-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. Walnut finish. 10 x 16 x 10 in. .... \$395/pr

### Speaker Accessories

B-7. Mounting bracket for CR-7 or Encore satellites. .... \$40/pr  
ST-2. 4-in black wooden stands. .... \$30/pr  
ST-4. 9-in black lacquer stands. .... \$135/pr  
ST-6. 19-in black-lacquer stands. .... \$145/pr

## MUSEATEX

### Melior One Speaker

Full-range planar speaker. FR 30-20,000 Hz ± 5 dB; sens 90 dB; power 30 W. Mahogany finish with black grille; 60 lbs ea. .... \$2,250/pr

## NAIM

### NA SBL 2-Way Speaker

8-in woofer and ¾-in dome tweeter, featuring external, detachable crossover; decoupled

tweeter. FR 30-20,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 6 ohms; power handling 75 W max. Black-ash or walnut finish; comes with stand. 10½ x 34½ x 10½ in. .... \$2,895/pr

### NA IBL 2-Way Speaker

6-in woofer and ¾-in dome tweeter. Features active crossover. FR 45-20,000 Hz ± 3 dB; sens 86.5 dB SPL/W/m; imp 6 ohms; power handling 65 W max. Black-ash and walnut finish; comes with stand. 9¾ x 31¼ x 10¾ in. .... \$1,490/pr  
NA PXO. Passive crossover for above. .... \$235

## NEAR

### CS-410CL Concert Grand 3-Way Speaker

Four woofers, 2 midranges, and 8 tweeters in array. Power range 60-350; imp 8 ohms. Classic style cabinet. 36 x 52 x 19 in. .... \$6,990/pr  
CS-410M. Same as above, except Moorish-style cabinet. .... \$6,990/pr  
CS-310B. Same as CS-410CL, contemporary style. .... \$6,490/pr

### Symphony No. 1 CS-4000 CL 3-Way Speaker

2 woofers, 6½-in midrange, and eight 2-in tweeters in array. Features infinite-baffle design. Max power 250 W; imp 8 ohms; crossover points 400 and 2,500 Hz. Classic styling. 26¼ x 44½ x 15¾ in. .... \$4,180/pr  
CS-4000M. Same as above, Moorish styling. .... \$4,180/pr  
CS-4000A. Same as CS-4000 CL, contemporary style. .... \$3,499/pr

### Concerto V CS-302 M 3-Way Speaker

12-in woofer, 6-in midrange, and two 2-in tweeters. Features infinite-baffle enclosure. Max power handling 150 watts; imp 8 ohms; crossover points 400 and 2,500 Hz. Walnut finish. 26 x 28 x 15 in. .... \$2,200/pr  
CS-300M 2-Way Speaker. Same as above, 2-way; upgrade to 302M available. .... \$1,500/pr

### NEAR Series Speakers

All speakers are covered by 10-year warranty; cabinets covered by 2-year warranty.

### NEAR-80 4-Way Speaker

Floor-standing speaker with 12-in multiple-fiber woofer, 6-in metal-alloy midrange, 2-in upper-midrange, and ¾-in dome tweeter. Features infinite-baffle enclosure. Power handling 20-250 watts; FR 33-22,000 Hz ± 3 dB; crossover points at 400, 2,500, and 12,000 Hz. 15½ x 41 x 12¾ in; 69 lb. .... \$1,598/pr

### NEAR-50M 3-Way Speaker

Tuned-port, floor-standing speaker with 8-in metal-cone woofer; 4-in metal-alloy midrange; and ¾-in metal-dome tweeter. Power handling 20-150 watts; FR 32-25,000 Hz ± 1.5 dB; crossover points 250 and 4,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms nom. Walnut. .... \$1,540/pr

### NEAR-60 3-Way Speaker

Ported speaker with 12-in woofer, 4-in metal-alloy midrange, and 1-in soft-dome tweeter. Power range 25-100 W; FR 35-22,000 Hz ± 3 dB; imp 8 ohms; crossover points 800 and 3,000 Hz. Vinyl. 15¼ x 27 x 11 in; 48 lb. .... \$799/pr  
Dark oak. .... \$998/pr

### NEAR-40M 2-Way Speaker

Tuned-port, floor-standing speaker with 8-in metal-cone woofer and 1-in metal-dome tweeter. Power handling 20-250 W; FR 32-28,000 Hz ± 2dB; crossover point 800 Hz. Walnut. 10½ x 34¾ x 11¼ in; 36 lb. .... \$899/pr

### NEAR-30M 2-Way Bookshelf Speaker

Piston speaker with 1-in aluminum-dome tweeter and 8-in metal woofer. FR 46-25,000 Hz; ± 2



# SPEAKERS

dB; sens 88 dB SPL/W/m; crossover point 1,800 Hz. 10½ x 17 x 11 in; 32 lb ..... \$720/pr

## NEAR-20 3-Way Speaker

Ported speaker with two 8-in polypropylene-cone woofers and ¾-in dome tweeter. Power range 25-75 W; FR 38-23,000 Hz ± 3 dB; imp 8 ohms; crossover points 500 and 3,000 Hz. Dark oak or vinyl. 10 x 34 x 10½ in; 38 lb ... \$560/pr

## NEAR-10 2-Way Speaker

Ported speaker with 8-in polypropylene-cone woofer and ¾-in soft-dome tweeter. Power range 25-75 W; FR 38-23,000 Hz ± 2.5 dB; imp 8 ohms; crossover point 3,500 Hz. Dark oak or vinyl. 10¼ x 20 x 10 in; 17 lb ..... \$330/pr

## Weather-Resistant Speakers

### A.E.S. 2.0 2-Way Outdoor Speaker

8-in metal-alloy-cone woofer and 2-in metal-cone tweeter. Power range 25-150 W; FR 40-18,000 Hz; imp 8 ohms; crossover point 2,500 Hz. Fiberglass-resin finish. 13 x 20 x 12 in; 24 lb ..... \$699/pr

### A.E.S. 1.5 2-Way Outdoor Speaker

6-in metal-alloy-cone woofer and 2-in metal-cone tweeter ..... \$499/pr

## NELSON-REED

### Model 8-04/C 3-Way Speaker

Floor-standing speaker with two 8-in fiber cone woofers, 3-in dome midrange, and ¾-in soft-dome tweeter. Features proprietary, hand-tuned crossover; biampable; 3-amp fast-blow fuse for low-frequencies and 2-amp fast-blow fuse for high-frequencies/thermal protection. Adjustable bass-loading. FR 32-20,000 Hz ± 3 dB; sens 97 dB SPL/W/m; imp 8 ohms nominal; power handling 500 W max, 75 W rms from 250-4,000 Hz; crossover points 320 and 4,000 Hz. Oiled oak, walnut, or diamond-black lacquer finish. 5-yr warranty. 12 x 47 x 15 in; 100 lb ..... \$3,250/pr

### Model 8-02/B 3-Way Speaker

Floor-standing, slot-loaded speaker with 8-in Bexetrene-cone woofer, 4-in cone midrange, and ¾-in soft-dome tweeter. Features proprietary 22-element crossover; biampable; 3-amp fast-blow fuse for thermal protection. Adjustable bass loading. Frequency response 32-20,000 Hz ± 2 dB; sens 92 dB SPL/W/m; imp 8 ohms nominal; power handling 250 W; crossover points 150 Hz and 4500 Hz. Oiled-oak, walnut, or diamond-lacquer finish. 5-yr warranty. 12 x 36 x 15 in; 60 lb ..... \$1,290/pr  
Model 8-Sand. Base for above ..... \$150/pr

### Model 6-02/B 2-Way Bookshelf Speaker

Ported speaker with 6½-in Bexetrene-cone woofer, ¾-in soft-dome tweeter. Features proprietary 14-element crossover; 2-amp fast-blow fuse for thermal protection. FR 32-20,000 Hz ± 3 dB; sens 84 dB SPL/W/m; imp 8 ohms nominal; power handling 50 W; crossover point 3,500 Hz. Oiled-oak, walnut, or diamond-black-lacquer finish. 5-yr warranty. 12 x 19 x 11 in; 25 lb ..... \$620/pr

### Model 5-02B 2-Way Mini-Speaker

Acoustic-suspension speaker with 5-in bexetrene-cone woofer, and ¾-in soft-dome tweeter. Features proprietary 14-element crossover; 2-amp fast-blow fuse for thermal protection. Frequency response 70-20,000 Hz ± 3 dB; sensitivity 90 dB SPL/W/m; impedance 8 ohms nominal; power handling 40 W; crossover point 3,500 Hz. Oiled-oak, walnut, or diamond-black lacquer finish. 5-yr warranty. 8 x 12 x 8 in; 12 lb ..... \$550/pr

## Subwoofers

### Model 1204 Active Powered Subwoofer

Comprised of 1204/P subwoofer and AC-1204 active crossover. Acoustic-suspension subwoofer features four 12-in fiber-cone drivers, two facing forward and two facing back; may be used with either mono or stereo amplifier; two 3-amp fast-blow fuses. Crossover features quadruple-slope filter with both bypass and mono-bass modes; adjustable level. FR 16-62,000 Hz ± 3 dB; sens 93 dB SPL/W/m; imp 8 ohms nominal; power handling 300 W rms; crossover point 62 Hz. Oiled-oak, walnut, or diamond-black lacquer finish. 5-yr warranty. 18 x 39 x 18 in; 100 lb ..... \$1,770/sys  
Model 1204/P. Extra subwoofers .... \$1,200 ea  
Model AC-1204. Separate crossover ... \$570 ea

### Model 1201 Mono Subwoofer

12-in fiber cone woofer for use with model 5-02 or 6-02/B speaker, or most any 2-way planar speaker; no external crossover required; 3-amp fast-blow fuse. FR 32-120 Hz ± 3 dB; sens 84 dB SPL/W/m; imp 8 ohms nominal; power handling 100 W rms; crossover point 120 Hz. Oiled-oak, walnut or diamond-black lacquer finish. 5-yr warranty. 18 x 18 x 18 in; 40 lb ..... \$590 ea  
Model 1202. Stereo version of above. 15 x 25 x 12 in ..... \$890/pr

## NHT

### Model Two 3-Way Speaker

Sealed with two 6½-in woofers, 6½-in midrange, 1-in dome tweeter; angled baffle; magnetic shielding. FR 40-22,000 Hz ± 3 dB; nom imp 8 ohms; min power 35 watts. Black, white, oak finish; black or white grilles. 7 x 37 x 12 in; 45 lb ea ..... \$900/pr

### M100 3-Way Speaker

Vented speaker with 10-in 4-layer voice coil woofer, 6½-in midrange, 1-in ferrofluid-cooled, fabric-dome tweeter. Max power 450 W/ch; FR 29-24,000 Hz ± 3 dB; nom imp 8 ohms; sens 88 SPL/W/m. Matte black finish. 13 x 31 x 16 in; 60 lbs ea ..... \$600 ea

### Model 1.3 2-Way Speaker

Sealed speaker with 6½-in polypropylene woofer and 1-in ferrofluid-cooled dome tweeter. Features angled baffle. Frequency response 50-25,000 Hz ± 3 dB; nom imp 8 ohms; sens 86 dB SPL/W/m. Black, white, or oak finish. 7 x 16½ x 10 in; 15 lb ..... \$480/pr

### Model One 2-Way Speaker

Sealed speaker with 6½-in woofer, 6½-in midrange, 1-in dome tweeter. Features angled baffle; magnetic shielding. FR 63-22,000 Hz ± 3 dB; nom imp 8 ohms; min power 20 watts. Black or white and grille. 7 x 12 x 10 in; 11 lb ea \$340/pr

### Model Zero 2-Way Speaker

Sealed speaker with 4½-in woofers, 1-in dome tweeter; angled baffle; magnetic shielding. FR 85-21,000 Hz ± 3 dB; nom imp 8 ohms; min power 15 watts. Black finish and grille. 6 x 9 x 5 in; 45 lb ea ..... \$200/pr

### Model 1C 2-Way Speaker

Sealed speaker with 6½-in woofer, 1-in tweeter, magnetic shielded, designed for center-channel use. FR 63-22,000 Hz ± 3 dB; nom imp 8 ohms; min power 20 W/ch. Black finish. 7 x 12 x 8½ in; 11 lbs ea ..... \$170 ea

## Subwoofers

### Model SW2 Subwoofer

Vented enclosure with 10-in high-excursion woofer. Features built-in passive crossover and

direct input. FR 22-130 Hz (network), 22-350 Hz (direct); nom imp 8 ohms; sens 89 dB SPL/W/m; max power 200 W/ch. Black, white, oak finish. 16 x 16 x 16 in; 40 lbs ..... \$700/pr

### Model SW-1 Subwoofer

Sealed speaker with dual 6½-in woofers. FR 40-100 Hz ± 3 dB; nom imp 8 ohms; min power 35 watts. Black, white, or oak finish; black or white grilles. 8 x 19 x 12 in; 27 lb ea ..... \$250

## NILES

### Model 300 2-Way In-Wall Speaker

8-in polypropylene woofer with rubber edge and 1-in soft-dome tweeter. Features slide switch crossover. Min power 10 W/ch; FR 40-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. Pearl-white finish and grille cover. 10¼ x 14¼ x 3¾ in; 12 lb/pr ..... \$460/pr

### Model 200 2-Way In-Wall Speaker

6½-in polypropylene woofer with rubber edge and 1-in soft-dome tweeter. Features assignable jumper on crossover. Min power 10 W/ch; FR 55-20,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 2,800 Hz. Pearl-white finish and grille cover. 8¾ x 11¼ x 3½ in; 9 lb/pr ..... \$330/pr

### Model 100 2-Way In-Wall Speaker

6½-in polypropylene woofer with treated foam edge and 1-in dome tweeter. Features assignable jumper on crossover. Min power 15 W/ch; FR 55-20,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. Pearl-white finish and grille. 8¾ x 11¼ x 3½ in; 6.5 lb/pr ..... \$220/pr

## NOVAK

### MR 7 2-Way Bookshelf Speaker

7-in Kevlar woofer and 1-in Kevlar inverted-dome tweeter. Features polypropylene capacitors; air-core inductors; internal bracing. Power range 10-250 W; FR 48-22,000 Hz ± 3 dB; sens 90.5 dB SPL/W/m ..... \$1,090/pr

### Model 2X 2-Way Speaker

6½-in plastic-cone woofer and ferrofluid-cooled dome tweeter. Features 4th-order Butterworth loading; 1st-order crossover with mylar capacitors; nondiffraction baffle; nonallergenic antistatic black-foam grille. Power range 5-75 W; FR 44-24,000 Hz ± 3 dB; sens 91 dB SPL/W/m ..... \$400/pr  
Black laminate ..... \$449/pr

## ODEON

### Point One 3-Way Speaker

Floor-standing, speaker with two 10-in woofers, two 5¼-in midranges, and one 1-in dome tweeter. Features truncated-pyramid shape; 1½-in fiberboard construction; fourth-order bandpass enclosure for subsection; acoustic-suspension enclosure for midranges. FR 18-35,000 Hz ± 3 dB; sens 89 dB SPL/W/m; power handling 100-400 W/ch; imp 4 ohms nominal; crossover points 90, 2,500 Hz. 32 x 72 x 19 in; 165 lbs ea. Zolatone finish ..... \$3,899/pr  
Gloss lacquer ..... \$4,899/pr  
Marble ..... \$12,000/pr

### Point Three 2-Way Speaker

Floor-standing, bass-reflex speaker with one 6½-in polypropylene woofer and one 1-in dome tweeter. Features damped vented enclosure; truncated-pyramid shape; ¾-in fiberboard construction; FR 58-40,000 Hz ± 3 dB; sens 87 dB SPL/W/m; power handling 10-120 W/ch; imp 8 ohms; crossover point 2,000 Hz. Zolatone fin-

# SPEAKERS

ish; other finishes available at different prices. 19 x 36 x 6 1/2 in; 36 lbs ea. . . . . \$799/pr

## Zero Three Subwoofer

Four 6 1/2-in polypropylene woofers. Features fourth-order bandpass design; 3/4-in fiberboard construction; truncated-pyramid shape. FR 22-100 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; power handling 10-300 W/ch; imp 4 ohms nominal. Zolatone finish; other finishes available at different prices. 24 x 32 x 16 1/2 in; 90 lbs ea \$699 ea

## Point/Zero Five Subwoofer/Satellite System

Subwoofer module with two 5 1/4-in polypropylene woofers; two acoustic-suspension satellites with two 4-in polypropylene midranges and two 3/4-in dome tweeters. Each satellite features truncated-pyramid shape; 1/2-in and 3/8-in fiberboard construction. FR 39-24,000 Hz  $\pm$  3 dB; sens 86 dB SPL/W/m; power handling 10-150 W/ch; imp 8 ohms nominal; satellite crossover point 7,000 Hz. Zolatone finish; other finishes available at different prices. Sat: 14 1/2 x 7 x 14 1/2 in; sub: 7 3/4 x 9 x 4 1/2 in; 20 lbs/sys . . . \$549/sys

## Zero Four Subwoofer

Subwoofer with two 6 1/2-in woofers. Features truncated-pyramid shape; bandpass design; 3/4-in and 1/2-in fiberboard construction. FR 32-120 Hz  $\pm$  3 dB; sens 88 dB SPL/W/m; power handling 10-200 W/ch; imp 8 ohms nominal. Zolatone finish; other finishes available at different prices. 15 1/4 x 24 x 12 1/4 in; 30 lbs ea . . . \$399 ea

## Point Four 2-Way Speaker

Bass-reflex shelf- or stand-mount speaker with one 5 1/4-in polypropylene woofer and one 3/4-in soft-dome tweeter. Features damped vented enclosure; truncated-pyramid shape; 1/2-in and 3/8-in fiberboard construction. FR 58-40,000 Hz  $\pm$  3 dB; sens 87 dB SPL/W/m; power handling 10-120 W/ch; imp 8 ohms nominal; crossover point 2,500 Hz. Zolatone finish; other finishes available at different prices. 11 3/4 x 14 1/2 x 6 1/2 in; 5 lbs ea . . . . . \$349/pr

## OHM

### Walsh 5 Vented Speaker

Features coherent-line source (CLS) Walsh driver; 3 controls for lows, perspective (mid-range), and highs, each with 3 positions; gold-plated 5-way binding posts; gold internal connectors; Monster Cable internal wiring. Power handling 500 W cont; FR 25-25,000 Hz  $\pm$  4 dB; imp 4 ohms. Available in walnut, oak and rosewood finishes or teak/white/black lacquer. 95 lbs; 17 1/2 x 17 1/2 in bottom tapering to 15 x 15 in at top; 43 in tall; 95 lb ea. . . . . \$6,000/pr

### XO Line

#### 4XO Inverted-Cone Speaker

Bass-reflex speaker features coherent-line source (CLS) conical-surface driver; gold-plated 5-way binding posts; gold internal connectors; lead-lined cabinet; Monster Cable internal wiring; casters; ferrofluid cooled; protection circuits. Standard finish walnut and oak, available in rosewood, black, or white lacquer. Power handling 500 W cont; FR 32-23,000 Hz  $\pm$  4 dB; imp 8 ohms. 15 1/2 x 40 x 15 1/2 in. . . \$2,500/pr

#### 3XO Inverted-Cone Speaker

Bass-reflex speaker features coherent-line source (CLS) inverted cone driver; press-connector inputs accept banana plugs or up to 12-gauge wire; lead-lined cabinet; casters; ferrofluid cooled; protection circuits. Standard finish walnut and oak, available in rosewood, black, or white lacquer. Power handling 200 W cont; FR 36-22,000 Hz  $\pm$  4 dB; imp 8 ohms. 13 1/2 x 36 x 13 1/2 in. at base. . . . . \$1,650/pr

#### 2XO Inverted-Cone Speaker

Bass-reflex speaker features coherent-line source (CLS) inverted-cone driver; press-connector inputs accept banana plugs or up to 12-gauge wire; sub-bass activator; ferrofluid cooled; protection circuits. Standard finish walnut and oak, available in rosewood, black, or white lacquer. Power handling 120 W cont. FR 44-21,000 Hz  $\pm$  4 dB; imp 8 ohms. 11 1/2 x 32 1/2 x 11 1/2 in. . . . . \$1,150/pr

#### 1XO Inverted-Cone Speaker

Bass-reflex speaker featuring coherent-line source (CLS) inverted-cone driver; press-connector inputs accept banana plugs or up to 12-gauge wire; ferrofluid cooled; protection circuit, circular metal grille. Walnut finish. FR 48-20,000 Hz  $\pm$  4 dB; power range 10-90 W; imp 8 ohms. 11 1/2 x 32 1/2 x 11 1/2 in at base tapering to 9 1/4 x 9 1/4 in at top; 24 lb . . . . . \$900/pr

### Full Room Stereo Line

#### FRS 15 Inverted-Cone Speaker

Features inverted-cone, coherent-line source (CLS) driver; ferrofluid-cooled driver and protective circuits; bass-reflex enclosure heavily-braced and lead-lined; sub-bass activator; 5-way binding posts. Power handling 500 W peak; FR 30-22,000 Hz  $\pm$  4 dB; sens 91 dB SPL/W/m; imp 8 ohms. Finished in oak-vinyl veneer. 11 3/4 x 54 x 11 3/4 in. . . . . \$1,400/pr

#### FRS 11 Inverted-Cone Speaker

Features inverted-cone, coherent-line source (CLS) driver; ferrofluid-cooled driver and protective circuits; bass-reflex enclosure, heavily braced and lead-lined; sub-bass activator; 5-way binding posts. Power handling 250 W peak; FR 35-22,000 Hz  $\pm$  4 dB; imp 8 ohms. Finished in oak-vinyl veneer . . . . . \$1,100/pr

#### FRS 9 2-Way Speaker

Features corner-mounted tweeter, 8-in woofer and rear-mounted 12-in passive radiator; ferrofluid-cooled driver; sub-bass activator; 5-way binding posts; protection circuits. Power handling 225 W peak; FR 36-20,000 Hz  $\pm$  4 dB; imp 8 ohms. Finished in oak-vinyl veneer. 11 1/4 x 35 1/4 x 11 1/4 in. . . . . \$800/pr

#### FRS 7 2-Way Speaker

Features corner-mounted tweeter, 6-in woofer and rear-mounted 10-in passive radiator; ferrofluid-cooled driver; sub-bass activator; 5-way posts; protection circuits. Power handling 175 W peak; FR 40-20,000 Hz  $\pm$  4 dB; sens 91 dB SPL/W/m; imp 8 ohms. Finished in oak-vinyl veneer. . . . . \$650/pr

#### FRS 5 2-Way Bookshelf Speaker

Corner-mounted tweeter, 6-in woofer, ferrofluid-cooled driver. Sub-bass activator; 5-way binding post; protection circuits. Power handling 125 W peak; FR 48-20,000 Hz  $\pm$  4dB; imp 8 ohms. Finished in oak-vinyl veneer. 11 1/4 x 11 1/4 x 11 1/4 in . . . . . \$450/pr

### Sound Cylinders Line

#### Pro 250 Sound Cylinder Speaker

Coherent line source cylindrical speakers. Features lead lining; Monster Cable wirings. Power handling 250 W cont; FR 35-20,000 Hz; sens 91 dB; imp 8 ohm. 45 1/2-in h x 11 1/2-in dia \$1,400/pr  
**Pro 200.** Similar to above, but power handling 200 W cont; FR 39-20,000 Hz; sens 91 dB; imp 8 ohm. Oak or black-vinyl finish. 39-in h x 11 1/2-in dia . . . . . \$1100/pr  
**Pro 150.** Similar to Pro 250, but power handling 150 W cont; frequency response 42-20,000 Hz; sensitivity 91 dB; impedance 8 ohms. 34 1/2-in h x 11 1/2-in diameter. . . . . \$850/pr

### Coherent Audio Monitors Series

#### CAM 42 SBA 2-Way Bookshelf Speaker

Features 3/4-in polycarbonate-dome tweeter system; 8-in polypropylene woofer; ferrofluid-cooled tweeter; 12-in passive radiator, and patented sub-bass-activator. Peak power handling 300 W; FR 39-20,000 Hz  $\pm$  4 dB; sensitivity 90 dB SPL/W/m; imp 8 ohms. Oak or black-vinyl finish. 14 1/4 x 26 1/2 x 11 in. . . . . \$680/pr

#### CAM 32 SBA 2-Way Bookshelf Speaker

Features 3/4-in polycarbonate-dome tweeter system, 6 1/2-in woofer, 10-in passive radiator. Polyswitch circuit breaker; protection circuit; patented sub-bass activator. Peak power handling 175 W; FR 39-20,000 Hz  $\pm$  4 dB; sens 90 dB; imp 8 ohms. Brushed bronze vinyl. 12 3/4 x 22 1/4 x 11 in. . . . . \$520/pr

#### CAM 16 SBA 2-Way Bookshelf Speaker

Two-way vented speaker. Features rotatable tweeter system mounted on cabinet; bevelled cabinet; frameless grilles; 6 1/2-in woofer. Peak power handling 125 W; FR 46-20,000 Hz  $\pm$  4 dB; sens 89 dB; imp 8 ohms. Brushed bronze vinyl. 9 x 17 1/4 x 11 in . . . . . \$400/pr

## OPTIMUS BY RADIO SHACK

#### Mach Two 3-Way Speaker

Vented, ferrofluid-cooled with 15-in woofer, 5-in cone midrange, 4-in dual-radial superhorn tweeter. Level controls for midrange and tweeter. Max power 160 W; sens 94 dB SPL/W/m . . . . . \$520/pr

#### Model 1050 3-Way Speaker

Bass-reflex speaker with 15-in woofer, 5-in midrange, and 3-in ferrofluid-cooled tweeter. Features tuned-port design; removable grille. Frequency response 60-20,000 Hz; power handling 100 W; sens 90 dB SPL/W/m; imp 8 ohms. Oiled walnut finish. Dimensions: 17 3/4 x 29 3/4 x 11 1/2 in; 44 lbs . . . . . \$400/pr

#### Model 950 2-Way Speaker

Bass-reflex speaker with 15-in woofer and ferrofluid-cooled tweeter. Features tuned-port design; removable grille. FR 50-20,000 Hz; power handling 100 W; sens 90 dB SPL/W/m; imp 8 ohms. Oiled walnut. 19 1/2 x 23 1/4 x 11 1/4 in \$340/pr

#### Model 650 3-Way Speaker

Bass-reflex speaker; 12-in woofer; 4-in midrange; 2 1/2-in cone tweeter; 100 W; sens 91 dB . . . . . \$240/pr

## OWI

#### 2300 2-Way Weather-Resistant Speaker

Wall/ceiling-mount, weatherized flat-wave system with 5 x 5-in dynapleat woofer, 1 1/2-in dynaribbon tweeter. Features woofer with strontium magnet. Power handling 30 W rms, 60 W max; FR 50-20,000 Hz; sens 85 dB SPL/W/m; imp 4 ohms; crossover point 5,000 Hz. Available in ivory or black. 9 x 9 x 1 1/2 in; 2 3/4 lb ea . \$450/pr

#### OWI-503 3-Way Weather-Resistant Speaker

High-fidelity speakers. Features 5 1/4-in woofer, 2-in tweeter, 1-in tweeter, 10-oz magnet. Power handling 60 W rms, 120 W max; FR 60-22,000 Hz; sens 93 dB SPL/W/m; imp 8 ohm; crossover points 6,000, 9,000 Hz. Aluminum diecast; black or cream. 6 3/4 x 10 x 6 in; 7 lb ea . \$350/pr

#### Thindy II Model 2301 Wall/Ceiling Speaker

Wall/ceiling, flush mount speaker with 5 1/2-in Honeycomb-Ring speaker; 8 1/2-oz strontium magnet. Power handling 30 W rms, 60 W max; FR 65-20,000 Hz; sens 90 dB SPL/W/m; imp 6 ohm. Black or ivory. 9 x 9 x 1 1/4 in; 2 3/4 lb \$350/pr

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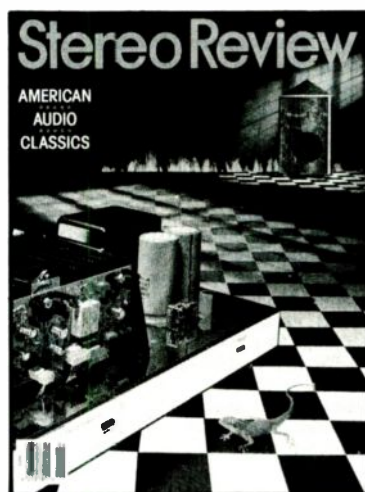
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# SPEAKERS

**OWI-900 Weather-Resistant Subwoofer**  
Weatherized subwoofer with 5½-in speaker and 10-oz magnet. Power handling 30 W rms, 60 W max; FR 40-450 Hz; imp 8 ohms; sens 93 dB SPL/W/m; crossover point 430 Hz. Aluminum diecast cabinet; black. 6¼ x 10 x 6 in. . . . \$225/pr

**OWI-203 3-Way Weather-Resistant Speaker**  
Mini-loudspeakers featuring 4-in polypropylene woofer, 2-in mylar tweeter, and ½-in mylar tweeter; 10-oz strontium magnet. Power handling 50 W rms; 100 W max; FR 90-22,000 Hz; imp 8 ohm; sens 92 dB SPL/W/m; crossover frequencies 6,000 and 9,000 Hz. Aluminum diecast cabinet; autumn gray, black, or cream. 4½ x 7 x 4 in; 5½ lb ea. . . . \$190/pr

**OWI-202 2-Way Weather-Resistant Speaker**  
Mini-loudspeakers featuring 4-in polypropylene woofer, 2-in mylar tweeter, 10-oz strontium magnet. Power handling 40 watts rms, 80 watts maximum; FR 90-20,000 Hz; nom imp 8 ohms; sensitivity 92 dB SPL/W/m; crossover frequency 6,000 Hz. Autumn gray, black, or cream finish. 4½ x 7 x 4 in; 4½ lb. . . . \$170/pr

## PARADIGM

**Studio Monitor 3-Way Speaker**  
Floor-standing design. Features twin 8-in woofers with diecast chassis, mineral filled copolymer polypropylene cone. Kapton voice-coil former; 1-in laminated textile-dome tweeter, ferrofluid cooled and damped. Individually calibrated, phase corrected 2nd and 3rd-order crossovers. Medite baffle. FR 28-20,000 ± 2 dB; sens 91.5 dB; power range 15-200 W at 10% clipping. Triwirable and triampable. Walnut, oak- or black-ash wood finish. 11½ x 42½ x 16½ in; 90 lb. . . . \$1,950/pr

**11seMkII 2-Way Speaker**  
Twin 8-in woofers with high-pressure diecast chassis, mineral-filled copolymer polypropylene cones, aluminum/Kapton voice-coil formers; 1-in laminated textile-dome tweeter, ferrofluid cooled and damped. Phase-corrected 3rd-order crossover. Frequency response 33-20,000 Hz ± 2 dB; sens 93 dB; power 15-160 W. Walnut or black-ash vinyl finish. 11¼ x 39¼ x 14½ in; 60 lb. . . . \$870/pr

**Export Monitor 2-Way Speaker**  
8-in woofer with high-pressure diecast chassis, mineral-filled laminated copolymer polypropylene cone. Kapton voice-coil former; 1-in laminated textile-dome tweeter, ferrofluid cooled and damped. Individually calibrated, phase-corrected 4th-order crossover. Medite baffle. FR 28-20,000 Hz ± 2 dB; sens 88.5 dB; power range 15-100 W. Biwirable and biampable. Walnut, oak, or black-ash wood finish. 10¼ x 24 x 14; 35 lb. . . . \$840/pr

**Control Monitor 2-Way Speaker**  
8-in woofer with high-pressure diecast chassis, mineral-filled laminated copolymer polypropylene cone. Kapton voice-coil former; 1-in laminated textile-dome tweeter, ferrofluid cooled and damped. Individually calibrated, phase-corrected 3rd-order crossover. Medite baffle. FR 39-20,000 Hz ± 2 dB; sens 90 dB; power range 15-100 W. Biwirable and biampable. Walnut, oak, or black-ash wood finish. . . . \$700/pr

**Compact Monitor 2-Way Speaker**  
6-in woofer with high-pressure diecast chassis, mineral-filled laminated copolymer polypropylene cone. Kapton voice-coil former; 1-in laminated textile-dome tweeter, ferrofluid cooled and damped. Individually calibrated, phase-corrected 3rd-order crossover. Medite baffle. FR 40-20,000 Hz ± 2 dB; sens 88 dB; power

range 15-100 W. biwirable and biampable. Walnut, oak, or black-ash wood finish. 8½ x 15½ x 12; 23 lb. . . . \$600/pr

**9se 2-Way Speaker**  
Twin 8-in woofers with high-pressure diecast chassis, copolymer polypropylene cones, aluminum voice-coil formers; 1-in polyimide dome tweeter, ferrofluid cooled and damped. Phase-corrected 2nd-order crossover. FR 38-20,000 Hz; sens 95 dB; power range 15-150 W. Walnut or black-ash vinyl finish. 11½ x 28 x 13¼ in; 39 lb. . . . \$650/pr

**7se 2-Way Speaker**  
8-in woofer with high-pressure diecast chassis, copolymer polypropylene cone, Kapton voice-coil former; 1-in polyimide dome tweeter, ferrofluid-cooled and damped. Phase-corrected 2nd-order crossover. FR 32-20,000 Hz ± 2 dB; sens 91 dB; power range 15-100 W. Walnut or black-ash vinyl finish. 10½ x 24 x 11¾; 28 lb. . . . \$490/pr

**5se 2-Way Speaker**  
8-in woofer with high-pressure diecast chassis, co-polymer polypropylene cone, aluminum voice-coil former; 1-in polyimide dome tweeter, ferrofluid cooled and damped. Phase-corrected 2nd-order crossover. Frequency response 38-20,000 Hz ± 2 dB; sensitivity 90 dB; power range 15-100 W. Available in walnut or black-ash vinyl finish. 10 x 20½ x 11¾; 24 lb. . . . \$370/pr

**AMS-200 In-Wall Speaker**  
One-piece main housing/woofer chassis made from high-pressure diecast aluminum. 6-in woofer with mineral-filled copolymer polypropylene cone. Kapton voice-coil former. 1-in laminated textile-dome tweeter, ferrofluid cooled and damped. Phase-corrected 3rd-order crossover. Matching AMS-KIT mounting bracket made of high-pressure diecast aluminum and can be used for both retrofit and new-home installation. FR 55-20,000 Hz ± 2.5 dB; sens 88 dB; power range 15-80 W. Bone-white enamel finish. 8 x 12 x 4; 18 lb. . . . \$350/pr

**3se 2-Way Speaker**  
8-in woofer with high-pressure chassis, copolymer polypropylene cone, aluminum voice-coil former; 1-in polyimide dome tweeter, ferrofluid cooled and damped, phase-corrected 2nd-order crossover. FR 45-20,000 Hz ± 2 dB; sens 91 dB; power range 15-100 W. Walnut or black-ash vinyl finish. 9½ x 19¼ x 10¼ in; 22 lb. . . . \$308/pr

**3se-Mini 2-Way Speaker**  
8-in woofer with high-pressure chassis, copolymer polypropylene cone, aluminum voice-coil former; 1-in polyimide dome tweeter, ferrofluid cooled and damped, phase-corrected 2nd-order crossover. FR 45-20,000 Hz ± 2 dB; sens 91 dB; power range 15-100 W. Walnut or black-ash vinyl finish. 9½ x 19¼ x 10¼ in; 22 lb. . . . \$300/pr

## PARASOUND

**Design One Subwoofer/Satellite System**  
3-piece system with pedestal-styled subwoofer with 4 drivers: two 6½-in plus two 5¼-in; 4-layer aluminum voice coil; built-in 2nd-order network. Cabinet stands 36-in tall. . . . \$599  
**Design Two.** As above, with woofer pedestal and two 6½-in drivers. . . . \$399

**C-300A 2-Way Speaker**  
Features 6½-in polypropylene woofer; 1-in polycarbon-dome tweeter. Power handling 15-60 W; FR 45-20,000 Hz; sens 90 dB W/m; imp 8 ohms min. Perforated metal grille. 8½ x 12 x 3¼ in. . . . \$370/pr

**AWM-380 2-Way Weather Outdoor Speaker**  
Air-suspension bass design, diecast-enclosure

system with weather-resistant parts. Features 5¼-in carbon-fiber-reinforced polypropylene woofer, 1-in dome tweeter which uses ferrofluid damping; 1-in coils. Power handling 10-80 watts continuous; FR 48-20,000 Hz ± 3 dB; sensitivity 88 dB/W/m; impedance 8 ohms; crossover point 2,400 Hz, 12 dB/oct slope. White finish. . . . \$325/pr  
**AW-S380/T.** For above, 70-V line transformer with 8-ohm bypass. . . . \$180 ea

**AWS-280.** Same as above, but with 2-in dome tweeter and no reinforced polypropylene and coils. Power handling 10-70 W; frequency response if needed 55-20,000 Hz ± 3 dB; crossover 3,000 Hz, 6 dB/oct slope. 6½ x 9¼ x 6¼ in. . . . \$255/pr

**C-200A 2-Way Speaker**  
5¼-in polypropylene woofer, ¾-in polycarbon-dome tweeter. Power handling 10-50 W; FR 60-20,000 Hz; sens 89 dB W/m; imp 4 ohms min. Perforated metal grille. 8½ x 11 x 2¼ in. \$240/pr

**AW-S360 2-Way Speaker**  
Same as AMW-380, 4-in woofer and no coils. Power handling 10-60 W; FR 65-20,000 Hz ± 3 dB; crossover point 2,600 Hz. 4½ x 7¼ x 4½ in. . . . \$200/pr  
**AW-S360/T.** For above, 70-V line transformer with 8-ohm bypass. . . . \$180 ea

## PEGASUS AUDIO

**Quartet Speaker**  
Vented design with 6½-in woofer, 4½-in cone midrange driver, ¾-in dome tweeter. FR 46-24,000 Hz; sens 92 dB SPL/W/m; crossover points 150, 5,000 Hz; nom/min imp 8/7. Brown or black grille cloth and walnut or black-lacquer finish. Four piece; 70 lb/sys. . . . \$1,299/sys  
**Deluxe kit** . . . \$899/sys  
**Basic kit** . . . \$600/sys  
**Trio.** As above with sealed speaker. FR 50-24,000 Hz; nom/min imp 8/6.8. Three piece, 67 lb/sys. . . . \$1,099/sys  
**Deluxe kit** . . . \$799/sys  
**Basic kit** . . . \$500/sys

**Rock Master 2-Way Speaker**  
Vented speaker featuring 12-in woofer, 4 x 11-in horn tweeter. FR 39-18,000 Hz; sens 92 dB SPL/W/m; crossover point 3,500 Hz; nom/min imp 8/5.8. Black metal grille and black paint finish. 16 x 26 x 17 in; 75 lb ea. . . . \$900 ea  
**Basic Kit** . . . \$500 ea  
**Rock Master Jr.** As above, with 15-in woofer. FR 58-20,000 Hz; sens 97 dB SPL/W/m; nom/min imp 8/6.3. 20 x 32 x 13 in; 70 lb ea. . . . \$650 ea  
**Basic Kit** . . . \$350 ea

**Classic 1200 3-Way Speaker**  
Vented speaker with 12-in woofer, 5-in midrange driver, 1-in horn tweeter. FR 46-20,000 Hz; sens 95 dB SPL/W/m; crossover points 800, 5000 Hz; nom imp 8. Brown grille and walnut-lamper finish. 20 x 32 x 13 in; 70 lb ea. . . . \$800 ea  
**Basic kit** . . . \$400 ea  
**Classic 1000.** As above with 10-in woofer; 1-in dome tweeter. FR 32-20,000 Hz; sens 94 dB SPL/W/m. 67 lb ea. . . . \$600 ea  
**Basic kit** . . . \$300 ea

**Delta 2-Way Speaker**  
Vented speaker with 6½-in woofer; 1-in dome tweeter. FR 37-22,000 Hz; sens 88 dB SPL/W/m; crossover point 4000 Hz; nom/min imp 6/4. White or brown grille and walnut or ivory wood finish. 13 x 20 x 9 in; 27 lb ea. . . . \$390 ea  
**Basic kit** . . . \$275 ea  
**Alpha IIA.** As above, with FR 48-20,000 Hz; sens 80 dB SPL/W/m; crossover point 5,000 Hz; nom/min imp 8/6.6. Brown grille and walnut

# SPEAKERS

lumber finish; 25 lb ea ..... \$250 ea  
Basic kit ..... \$150 ea

## PHASE TECHNOLOGY

### PC Series

#### PC-8.5 3-Way Speaker

Unicell acoustic treatment with 10-in solid-piston woofer, 5/4-in solid-piston midrange, 1-in soft-dome tweeter. Power handling 25-120 W; FR 35-20,000 Hz  $\pm 2$  dB; sens 89 dB; imp 4 ohms. Dark oak, walnut, black; 13 x 39 1/2 x 11 1/4 in; 90 lb ea ..... \$1,200/pr

#### PC-6.5 3-Way Speaker

Unicell acoustic treatment with 8-in solid-piston woofer, 5/4-in solid-piston midrange, 1-in soft-dome tweeter. FR 42-20,000 Hz  $\pm 2$  dB; sens 89 dB; power handling 25-100 W; imp 4 ohms. Dark oak, walnut, black; 11 x 36 3/4 x 9 in; 58 lb ea ..... \$900/pr

#### PC-80 2-Way Speaker

Unicell acoustic treatment with 6 1/2-in solid-piston woofer, 1-in soft-dome tweeter. FR 50-20,000 Hz  $\pm 3$  dB; sens 88 dB; power handling 25-100 W; imp 6 ohms. Dark-oak, light-oak, walnut, and black finishes; 9 1/2 x 15 1/2 x 11 1/4 in; 32 lb ea ..... \$650/pr

#### PC-90 Subwoofer

Acoustic-suspension design with 10-in cone dual voice coil driver. FR 27-90 Hz  $\pm 3$  dB; sens 88 dB; power handling 25-150 W; imp 6 ohms. 16 1/2 x 20 x 15 1/2 in; 57 lb ea ..... \$550 ea

#### PC-60 Mk II 2-Way Bookshelf Speaker

Acoustic-suspension phase-coherent speaker with 6-in solid-piston woofer and 1-in soft-dome tweeter. Accepts banana plugs. Power range 15-100 W; FR 55-20,000 Hz  $\pm 3$  dB; sens 87 dB SPL/W/m; imp 4 ohms. Walnut, stained-oak, and light-oak finishes. 8 x 13 1/2 x 8 in; 15 lb ..... \$480/pr

#### PC-40 Mk II 2-Way Bookshelf Speaker

Acoustic-suspension phase-coherent speaker with 5 1/4-in solid-piston woofer; 1-in soft-dome tweeter. Accepts banana plugs. Power range 15-80 W; FR 70-20,000 Hz  $\pm 3$  dB; sens 89 dB SPL/W/m; imp 4 ohms. Walnut, stained-oak, and light-oak finishes. 6 1/2 x 9 3/4 x 5 1/4 in; 10 lb ..... \$380/pr

#### PC-50 Subwoofer

Down-firing floor-loaded acoustic-suspension subwoofer with 10-in solid-piston woofer. Features polypropylene bypass capacitors; internal passive crossover; feet extenders for heavy carpeting. Power range 25-200 W; FR 30-150 Hz  $\pm 3$  dB; sens 87 dB SPL/W/m; imp 8 ohms. Walnut, light-oak, stained-oak finish. 13 x 14 x 15 in; 33 lb ..... \$350 ea

### ES Series

#### 730-ES 3-Way Tower Speaker

Tower speaker with 10-in bass/midrange driver, 5/4-in cone midrange, 1-in ferrofluid-cooled soft-dome tweeter. Features asymmetrically mounted tweeter and midrange. Power handling 120 watts; FR 36-20,000 Hz  $\pm 3$  dB; sens 93 dB SPL/W/m; nominal imp 8 ohms; crossover points 250 and 3,000 Hz. Black-ash or dark-oak vinyl finish. 12 1/2 x 34 x 10 1/2 in ..... \$630/pr

#### 530-ES 2-Way Bookshelf Speaker

10-in bass/midrange and 1-in ferrofluid-cooled soft-dome tweeter. Features asymmetrically mounted tweeter. Power handling 100 watts; FR 40-20,000 Hz  $\pm 3$  dB; sens 93 dB SPL/W/m; nominal impedance 8 ohms; crossover point

2,200 Hz. Black-ash or dark-oak vinyl finishes. 13 x 22 1/2 x 10 1/2 in ..... \$420/pr

#### 435-ES 2-Way Bookshelf Speaker

8-in bass/midrange and 1-in ferrofluid-cooled soft-dome tweeter. Features asymmetrically mounted tweeter. Power handling 80 watts; FR 45-20,000 Hz  $\pm 3$  dB; sens 92 dB SPL/W/m; nominal imp 8 ohms; crossover point 2,500 Hz. Black-ash or dark-oak vinyl Finish. 12 x 22 1/2 x 10 1/2 in ..... \$300/pr

#### 335-ES 2-Way Bookshelf Speaker

Rear-vented enclosure with 6 1/2-in cone woofer and 1-in soft-dome tweeter. FR 65-20,000 Hz  $\pm 3$  dB; sens 90 dB; power handling 5-60 W. 8 1/4 x 13 1/4 x 8 1/2 in; 25 lb/pr ..... \$240/pr

### Subwoofer/Satellite Systems

#### PC-60/50 Subwoofer/Satellite System

3-piece system consisting of 2 PC60 satellites and PC50 subwoofer. Power handling 25-150 watts; FR 30-20,000  $\pm 3$  dB; sens 87.5 dB SPL/W/m; imp 8 ohms; crossover points 150 and 1,200 Hz ..... \$830/sys

#### PC-40/50 Subwoofer/Satellite System

3-piece system consisting of 2 PC40 satellites and PC50 subwoofer. Power handling 15-100 W rms; FR 30-20,000 Hz  $\pm 3$  dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover points 150 and 1,500 Hz ..... \$710/sys

### CI Series

#### CI-60 2-Way In-Wall Speaker

6-in solid-piston woofer, 1-in soft-dome tweeter. Features auto-resetting thermal breakers; 5-way binding posts; screened woofer back; 5-year warranty. FR 40-20,000 Hz; power handling 15-80 W; imp 4 ohms. .... \$480/pr

#### CI-40 2-Way In-Wall Speaker

5 1/4-in solid-piston woofer, 1-in soft-dome tweeter. Features auto-resetting thermal breakers; 5-way binding posts; screened woofer back; 5-year warranty. FR 55-20,000 Hz; power handling 15-80 W; imp 4 ohms. .... \$380/pr

#### CI-20 2-Way In-Wall Speaker

6-in cone woofer with 2 1/4-in cone tweeter. Features auto-resetting thermal breakers; 5-way binding posts; screened woofer back; 5-year warranty. FR 55-18,000 Hz; power handling 15-60 W; imp 8 ohms. .... \$280/pr

#### CI-SUB In-Wall Subwoofer

In-wall subwoofer with 6 x 9-in damped felt-cone woofer. FR 20-90 Hz; power handling 25-100 W; imp 4 ohms. .... \$225 ea

## PHILIPS

#### FB1000 3-Way Speaker

Two woofers and two patented Isophase ribbon drivers (midrange and tweeter). Cast-aluminum frame; cone material made of polypropylene and carbon fibers; voice-coil is two-layer polyester varnished wire construction; Isophase midrange/tweeter low mass push-pull design utilizing patented rear damping chamber. Biwired or biamp. Power handling 300 W cont; 40-4,000 Hz. Satin-gloss varnished natural rosewood-veneer cabinet and black piano-lacquer front panel ..... \$4,000/pr

#### FB825 3-Way Speaker

8-in soft-coated woofers, 5 1/2-in soft-coated midrange and Isophase planar ribbon tweeter. Rounded edge closed-box enclosure with two separate woofer enclosures; MDF acoustic-damping baffle with solid-wood edge trim; pow-

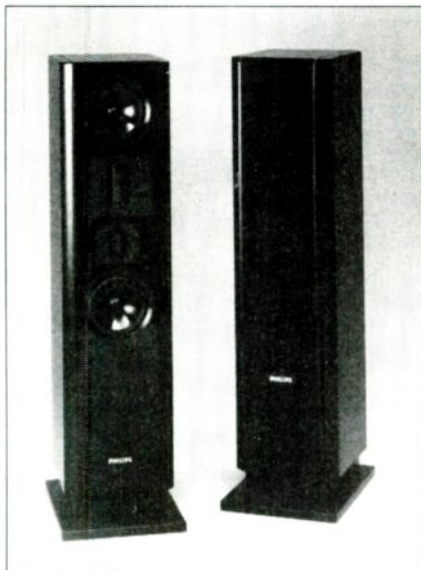
er-overload-protection system. Banana-plug-compatible input connectors. Power handling 250 W cont. Dark-walnut foil-finished cabinet ..... \$800/pr

#### FB820 3-Way Speaker

Two 7-ir soft-coated woofers, 4-in soft-coated midrange and 2-in Supranyl soft-dome tweeter with ferrofluid damping and cooling. Rounded-edge closed-box with two separate woofer enclosures; power overload protection system. Banana-plug-compatible input connectors. Power handling 200 W cont. Dark-walnut foil-finished cabinet ..... \$600/pr

#### FB815 3-Way Speaker

8-in soft-coated woofers, 4-in soft-coated midrange and 6-in Supranyl soft-dome tweeter with ferrofluid damping and cooling. Rounded-edge closed-box enclosure; power-overload protection system. Banana-plug-compatible input connectors. Power handling 150 W cont. Dark-walnut, finished cabinet ..... \$500/pr



Philips FB1000

### High-Efficiency Series

#### FB-795 3-Way Bookshelf Speaker

Two 8-in soft-coated woofers. One woofer provides deep bass and lower midrange up to 1,000 Hz, other midrange covers midrange up to 5,000 Hz; 1-in ferrofluid-cooled soft-dome tweeter; computer-optimized tuned ducted port, auto overload-protect system. Power handling 120 W cont; FR 38-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Dark-walnut foil finish. 10 1/2 x 25 x 10 1/2 in; 17.6 lb ea ..... \$400/pr

#### FB-790 3-Way Bookshelf Speaker

8-in soft-coated woofers, 1-in ferrofluid-cooled soft-dome midrange, 1/4-in ferrofluid-cooled soft-dome tweeter; computer-optimized tuned ducted port, auto overload-protect system. Power handling 90 W cont; FR 37-20,000 Hz; sens 89 dB SPL/W/m; crossover points 3,000 Hz, 10,000 Hz; nom imp 4-8 ohms. Dark-walnut foil finish. 12 x 23 x 9 in; 15.4 lb ea. \$300/pr

#### FB-770 3-Way Bookshelf Speaker

Features 8-in soft-coated woofers with extended voice-coils, 1-in ferrofluid-cooled soft-dome midrange, 1/4-in ferrofluid-cooled soft-dome tweeter; computer-optimized tuned, ducted port; auto overload-protect system. Power handling 70 W cont; FR 40-20,000 Hz; sens 89 dB SPL/W/m; crossover points 3,000 Hz, 5,000

# SPEAKERS

Hz; nom imp 4-8 ohms. Dark-walnut foil finish. 12 x 22 x 8 1/2 in; 14.3 lb ea ..... \$250/pr

## FB-750 2-Way Bookshelf Speaker

7-in soft-coated woofers, 1/4-in ferrofluid-cooled soft-dome tweeter; computer-optimized tuned, ducted port, auto overload-protect system. Power handling 50 W cont; FR 46-20,000 Hz; sens 87 dB SPL/W/m; crossover point 5,000 Hz; nom imp 4-8 ohms. Dark-walnut foil finish. 10 1/2 x 16 x 8 in; 10 lb ea ..... \$200/pr

## PINNACLE

All Pinnacle bookshelf speakers feature a 7-year parts and labor warranty.

### PN 8 + 2-Way Bookshelf Speaker

Vented bookshelf speaker with patented Diaduct ports, 8-in black polypropylene woofer, and 1-in polymer-dome tweeter. Power handling 10-125 W rms cont, 375 W peak; FR 30-21,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 1,000 and 6,000 Hz. Black-oak veneer with contrasting solid oak trim. 11 1/2 x 19 1/2 x 11 1/2 in; 35 lb/pr ..... \$429/pr

### PN 7 + 2-Way Bookshelf Speaker

Vented bookshelf speaker with patented Diaduct ports, 6 1/2-in black polypropylene woofer and 1-in polymer-dome tweeter. Power handling 10-80 W rms cont, 240 W peak; FR 38-21,000 Hz; sens 91 dB SPL/W/m; imp 6 ohms; crossover point 3,300 Hz. Black-oak veneer with contrasting solid-oak trim. 9 1/2 x 15 1/4 x 8 3/4 in; 35 lb/pr ..... \$299/pr

### PN Sub + Subwoofer

Tuned subwoofer with patented Diaduct port, two 6 1/2-in downward-firing woofers. Features rigidly braced, partitioned enclosure with non-parallel internal walls; switchable first-order crossover; compatibility with 4-8 ohm bookshelf speakers. Power handling 100 W rms. 13 3/4 x 19 1/2 x 11 1/2 in ..... \$279/ea

### PN 6 + 2-Way Bookshelf Speaker

Front-mounted Diaduct-port design, 6 1/2-in polypropylene woofer; 3/4-in dome tweeter. Power handling 10-70 W rms cont, peak 210 W; FR 40-21,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms; crossover point 4,500 Hz. Oak accent finish. 9 1/4 x 15 1/4 x 6 1/2 in; 25 lb/pr ..... \$229/pr

### PN 5 + 2-Way Bookshelf Speaker

Diaduct-port design, 5 1/4-in polypropylene woofer; 3/4-in polycarbonate tweeter. Power handling 10-50 W rms cont; 150 W peak; FR 50-21,000 Hz; sens SPL/W/m 86 dB; imp 6 ohms; crossover point 5,000 Hz. 6 3/4 x 11 1/4 x 6 1/2 in; 17 lb/pr ..... \$179/pr

### PN 2 + 2-Way Mini-Speaker

Diaduct-port design, 4-in cone woofer, 1/4-in polycarbonate tweeter. Power handling 5-40 W rms cont, peak 120 W; FR 65-21,000 Hz; sens 86 dB SPL/W/m; imp 6 ohms; crossover point 5,500 Hz. Black-oak vinyl finish. 6 1/4 x 10 1/4 x 6 1/2 in; 14 lb/pr ..... \$139/pr

## PIONEER

### TZ-9 3-Way Speaker

Two horizontally-mounted 10-in woofers (front, rear), 2 1/2-in dome midrange, and 1-in ceramic-graphite dome tweeter in bass-reflex enclosure. Inner baffle isolates midrange and tweeter from woofers; gold-plated binding posts. Bi-amplification and bi-wiring capability. Power handling 300 W max; FR 20-40,000 Hz; sens 91 dB SPL/W/m; imp 4 ohms. 14 3/4 x 47 1/4 x 16 1/4 in; 143.4 lb ea ..... \$2,000 ea  
TZ-9LTD. As above, different finish. \$2,500 ea

### TZ-7 3-Way Speaker

Two horizontally-mounted 8-in woofers (front, rear), 4-in cone midrange, and 1-in ceramic graphite-dome tweeter in bass-reflex enclosure. Gold-plated binding posts. Bi-amplification and bi-wiring capability. Power handling 250 W max; FR 20-40,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms. 12 3/4 x 40 1/4 x 14 1/4 in; 77.25 lb ea ..... \$1,000 ea  
TZ-7LTD. Same as above, different finishes ..... \$1,250 ea

### CS-V910 3-Way Speaker

Magnetically shielded. Features 12-in cone woofer; 3/4-in titanium-dome midrange; 1-in titanium-dome tweeter; aluminum diecast woofer and midrange frame; round-cornered baffle. FR 25-30,000 Hz; imp 6 ohms; sens 90 dB SPL/W/m; 150 W max power handling. Dark oak-veneer finish. 16 3/4 x 35 1/4 x 15 1/2 in; 75 lb ..... \$1,040/pr

### S-T500 3-Way Speaker

Two front/rear-firing 8-in woofers, one 4-in midrange, one 1-in ceramic carbon dome tweeter in bass-reflex enclosure; Power handling 200 max; FR 20-40,000 Hz; sens 88 dB SPL/W/m; imp 6 ohms. Oak-grain vinyl finish. 12 3/4 x 40 1/4 x 14 1/4 in; 70.5 lb ea ..... \$1,000/pr

### S-T300 2-Way Speaker

Two 8-in woofers, one 1-in ceramic/carbon-dome tweeter in bass-reflex enclosure. Power handling 180 max; FR 25-40,000 Hz; sens 88 dB SPL/W/m; imp 6 ohms. Oak-grain vinyl finish. 10 1/4 x 35 1/2 x 12 1/2 in; 44 lb ea ..... \$700/pr

### S-W1000 Powered Subwoofer

12-in woofer with switchable amplifier. Subwoofer: FR 20-140 Hz; 70 W power output; imp 6 ohms; THD 5%. Subwoofer/center-channel: FR 70 Hz; 30 W at 6 ohms; THD 5%. Center channel only: FR 20-20,000 Hz; 25 W at 6 ohms; THD 1%. Rounded corner black cabinets ..... \$500 ea  
CS-C300 Center-Channel Speaker. Complements above; 7 1/2-in cone woofer; 2 1/2-in cone tweeter. FR 50-20,000 Hz; 60 W power handling ..... \$70 ea

### S-T100 2-Way Speaker

Two 7-in woofers, one 1-in ceramic/carbon-dome tweeter in bass-reflex enclosure. Power handling 150 max; FR 30-40,000 Hz; sens 88 dB SPL/W/m; imp 6 ohms. Oak-grain vinyl finish. 10 1/4 x 22 1/4 x 12 3/4 in; 30 3/4 lb ea ..... \$500/pr

### CS-G403 3-Way Speaker

16-in woofer, 4 1/4-in midrange, and 2 1/2-in tweeter in bass-reflex enclosure. Power handling 150 max; FR 30-20,000 Hz; sens 92 dB SPL/W/m; imp 6 ohms. Oak-grain vinyl finish. 17 1/4 x 29 1/4 x 12 1/2 in; 36.38 lb ea ..... \$380/pr

### CS-G303 3-Way Speaker

12-in woofer, 4 1/4-in midrange, and 2 1/2-in tweeter in bass-reflex enclosure. Power handling 120 max; FR 35-20,000 Hz; sens 91 dB SPL/W/m; imp 6 ohms. Oak-grain vinyl finish. 15 x 26 1/2 x 13 in ..... \$380/pr  
CS-G303K. Same as above, black vinyl finish ..... \$380/pr

### CS-203 3-Way Speaker

10-in woofer, 3-in midrange, and 2 1/2-in tweeter in bass-reflex enclosure. Power handling 100 max; FR 40-20,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms. Oak-grain vinyl finish. 13 3/4 x 24 x 11 1/2 in ..... \$220/pr  
CS-G203K. Same as above, black vinyl finish ..... \$220/pr

### CS-G103 2-Way Speaker

10-in woofer and 2 1/2-in tweeter in sealed encl-

sure. Power handling 50 max; FR 55-20,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms. Oak-grain vinyl finish. 13 x 23 1/2 x 7 1/2 in ..... \$160/pr

### S-X7 Full-Range Speaker

Compact bass-reflex speaker designed for surround-sound applications. Features 3 1/2-in driver; sens selector switch; black-vinyl finish. Imp 16 ohms; sens 90 dB SPL/W/m; max power 30 W. 5 3/4 x 7 1/2 x 4 1/2 in ..... \$130/pr

### CS-X5 Surround-Sound Speaker

For surround-sound applications. Features 4-in cone driver; imp 8 ohms; 30 W max power handling; sens 90 dB SPL/W/m. 5 1/2 x 7 1/2 x 5 in; 3 lb ..... \$60/pr

## POLK AUDIO

### SRS Series

#### SRS 1.2 TL Signature Reference 3-Way Speaker

Incorporates proprietary Stereo Dimension Array technology for improved imaging. Features 15-in planar sub-bass radiator; eight 6 1/2-in trilaminate-polymer midbass drivers; four SL3000 1-in trilaminate polymer-dome tweeters. FR 10-26,000 Hz; power handling 1,000 W cont; imp 6 ohms. Oiled oak, and walnut finish. 21 x 63 1/2 x 13 1/2 in; 185 lb ..... \$3,400/pr

#### SRS 2.3 TL Signature Reference 3-Way Speaker

Smaller floor-standing version SRS 1.2TL. Features proprietary Stereo Dimension Array technology for improved imaging. Features 15-in planar sub-bass radiator; six 6 1/2-in trilaminate-polymer midbass drivers; three SL3000 1-in trilaminate polymer-dome tweeters. Power handling 750 W cont; frequency response 12-26,000 Hz; nominal impedance 6 ohms. Oiled oak or walnut finish. 20 3/4 x 55 x 13 1/2 in; 155 lb ..... \$2,500/pr

#### SRS 3.1 TL Signature Reference 3-Way Speaker

Tower-style speaker with proprietary Stereo Dimensional Array technology for improved imaging. Features five 6 1/2-in trilaminate-polymer midbass drivers; one SL3000 1-in trilaminate-polymer/metal dome tweeter; one 12-in planar, sub-bass radiator. Power handling 500 W/ch; FR 35-20,000 Hz; imp 8 ohms. Oiled oak or walnut finish. 15 1/4 x 48 x 13 1/2 in ..... \$2,000/pr

#### SRS 4.1 TL Signature Reference 3-Way Speaker

Bookshelf speaker featuring Stereo Dimensional Array technology for improved imaging. Two 6 1/2-in trilaminate-polymer midbass drivers; one 10-in planar, sub-bass radiator; one SL 3000 1-in trilaminate-polymer/metal-dome tweeter. Power handling 200 W/ch; FR 42-20,000 Hz; imp 8 ohms. Genuine walnut or oak-veneer finish. 12 1/4 x 20 x 10 1/2 in. 36 lbs. .... \$1,000/pr

### RTA Series

#### RTA 15TL Monitor 3-Way Speaker

Real-Time-Array speakers with two 10-in sub-bass radiators, four 6 1/2-in trilaminate-polymer midbass drivers; one SL3000 1-in trilaminate-polymer/metal-dome tweeter. Power handling 250 W/ch; FR 27-25,000 Hz; imp 8 ohms. Natural, black oak, and walnut finishes. 43 x 12 1/2 x 15 1/2 in; 77 lb ..... \$1,400/pr

#### RTA 11TL Monitor 3-Way Speaker

Real-Time-Array speakers with two 8-in low-resonance subwoofers, two 6 1/2-in trilaminate-polymer midbass drivers, and 1-in polymer-dome tweeter. Power handling 350 W cont; FR 22-26,000 Hz; nom imp 6 ohms. Black-ash, walnut, and oak-vinyl finish. Genuine walnut and oak-veneer finish available at extra cost. 10 1/2 x 39 x 14 1/2 in; 58 lb ..... \$1,000/pr

# SPEAKERS

## RTA 8TL Monitor 3-Way Speaker

Real-Time-Array floor-standing speaker with two 6½-in trilaminate-polymer midbass drivers, and 1-in silver-coil polymer-dome tweeter. Power handling 250 W cont; FR 30-26,000 Hz; nom imp 6 ohms. Black-ash, walnut, and oak-vinyl finish. Genuine walnut and oak-veneer finish available at extra cost. 16 x 28 x 9¼ in; 48 lb ..... \$650/pr

## RM Series

### RM3000 Satellite Subwoofer System

Three-piece system featuring two satellites with ¼-in dome tweeter and 3½-in driver. Patented subwoofer has two 6½-in drivers and one 10-in sub-bass radiator. Power handling 125 W/ch; FR 42-18,000 Hz; imp 8 ohms. Available in Black matrix, piano black, and white finishes. Satellites: 7 x 4¾ x 5½ in. Woofer: 12½ x 20¼ x 13 in; 46 lb total ..... \$750/pr

## Monitor Series 2

### Monitor 12 Series 2 3-Way Speaker

Features four 6½-in trilaminate-polymer midbass drivers; one SL 2500 1-in polymer-dome tweeter; one 10-in sub-bass radiator. Power handling 400 W/ch; imp 8 ohms; FR 35-20,000 Hz. Black, oak and walnut-vinyl finishes. 15¼ 37¾ x 12 in. . . \$500/pr

### Monitor 10 Series 2 3-Way Speaker

Revised version of Monitor 10. Features two 6½-in trilaminate polymer midbass drivers; one SL 2500 1-in polymer-dome tweeter; one 10-in sub-bass radiator. Power handling 250 W/ch; 8 ohms; FR 37-20,000 Hz. Black, oak and walnut-vinyl finishes. 15 x 28 x 12 in. .... \$740/pr

### Monitor 7 Series 2 3-Way Speaker

Features one 6½-in trilaminate-polymer midbass driver; one SL 2500 1-in polymer-dome tweeter; one 10-in sub-bass radiator. Power handling 150 W/ch; imp 8 ohms; FR 40-20,000 Hz. Black, oak and walnut-vinyl finishes. 13 x 24 x 10 in. 33 lbs. .... \$580/pr

### Monitor 5 Series 2 3-Way Speaker

Features one 6½-in trilaminate-polymer midbass driver; one SL 2500 1-in polymer-dome tweeter; one 8-in sub-bass radiator. Power handling 125 W/ch; imp 8 ohms; frequency response 43-20,000 Hz. Black, oak and walnut-vinyl finishes. 24 lbs. .... \$450/pr

### Monitor 5 Jr. + Series 2 3-Way Speaker

Bookshelf speaker with one 6½-in trilaminate-polymer midbass driver; one SL 2500 1-in polymer-dome tweeter; one 6½-in sub-bass radiator. Power handling 125 W/ch; imp 8 ohms; FR 46-20,000 Hz. Black, oak and walnut-vinyl finishes. 9 x 19½ x 10 in. 20 lbs. .... \$350/pr

### Monitor 4.6 Series 2 2-Way Bookshelf Speaker

Features one 6½-in trilaminate-polymer midbass driver; one SL 2500 1-in polymer-dome tweeter. Power handling 100 W/ch; imp 8 ohms; FR 48-20,000 Hz. Black, oak and walnut-vinyl finishes. 8½ x 17 x 10 in. 17½ lbs. .... \$280/pr

### Monitor 4 Series 2 2-Way Bookshelf Speaker

Features one 6½-in trilaminate-polymer midbass driver; one SL 1500 1-in polymer-dome tweeter. Power handling 100 W/ch; imp 8 ohms; FR 53-20,000 Hz. Black, oak and walnut-vinyl finishes. 8½ x 14½ x 7½ in. 12½ lbs. . . \$200/pr

## In-Wall Speaker

### AB-900 Architectural Reference Speaker

Two in-wall satellites speakers with one 2½-in driver and one ¼-in tweeter; satellites: 6½ x 4 x 3¼ in; one subwoofer with two 6½-in drivers; 4¼ x 3¼ in. Power handling 150 W/ch; imp 8 ohms; FR

40-20,000 Hz ..... \$800/sys

### AB-800 Architectural Reference 2-Way Speaker

In-wall speaker featuring two 6½-in trilaminate-polymer midbass drivers, and 1-in silver-coil polymer-dome tweeter. Power handling 150 W cont; FR 52-20,000 Hz; nom imp 6 ohms. Off-white finish. 6¼ x 15½ x 3 in ..... \$550/pr

### AB-700 Architectural Reference 2-Way Speaker

In-wall speaker featuring 6½-in trilaminate-polymer midbass driver, and 1-in silver-coil polymer-dome tweeter. Power handling 125 W cont; FR 30-26,000 Hz; nom imp 6 ohms. Off-white finish. 6¼ x 9¼ x 3 in ..... \$400/pr

### AB-500 Architectural Reference 2-Way Speaker

In-wall speaker featuring one 5¼-in trilaminate-polymer midbass driver and one ¼-in polymer-dome tweeter. Power handling 100 W/ch; FR 56-20,000 Hz; imp 8 ohms. Off-white paintable finish. 6½ x 9¼ x 3 in ..... \$250/pr

## PORTLAND

### System 510 Satellite/Subwoofer System

Satellite features ¼-in dome tweeter. FR 54-20,000 Hz; sens 88 dB; power handling 20-80 W/ch; imp 6 ohms. Subwoofer features 8-in dual-voice-coils driver. FR 28-100 Hz; sens 91 dB; power handling 20-120 W/ch; imp 4 ohms. Oak caps with black grille ..... \$799/sys

### TT3.0 3-Way Speaker

Mirror-imaged 3-way speaker with 1-in dome tweeter; 6½-in polypropylene midrange; 6½-in polypropylene woofer. FR 32-20,000 Hz; sens 91 dB; power handling 20-300 W/ch; imp 6 ohms. Oak caps with black grille ..... \$699/pr

### System 330 Satellite/Subwoofer System

Satellite features ½-in dome tweeter, 5¼-in midrange. FR 100-17,000 Hz; sens 89 dB; power handling 20-50 W/ch; imp 6 ohms. Subwoofer features 8-in dual voice-coil driver. FR 37-100 Hz; sens 91 dB; power handling 10-100 W/ch; imp 6 ohms. Gray and black finishes. . \$499/sys

### PT2.7 2-Way Speaker

Floor-standing speaker with 6½-in polypropylene woofer, ¼-in dome tweeter. FR 40-20,000 Hz; sens 89 dB; power handling 20-200 W/ch; imp 6 ohms. Oak caps with black grille \$499/pr

### Posh 528d Ceiling Speaker

Injection-molded styrene cabinet; 8-in felted paper cone with ¼-in Audax tweeter. FR 58-22,000 Hz ± 4.25 dB; sens 88.6 dB. . . \$450/pr

### Granite 377B Outdoor Omnispeaker

Designed for outdoor use with 2-in piezo tweeter, 8-in Bozak woofer. Features weatherproof rigid-aluminum cone; 360 degree dispersion. FR 40-17,000 Hz; sens 95 dB; power handling 20-150 W/ch. White granite marble finish . \$320 ea

### GS3ALT-1/P1688AR Outdoor Omnispeaker

Designed for outdoor use with 3-in moving-coil tweeter, 8-in woofer. Features waterproof, rust-resistant enclosure; 360-degree dispersion. FR 50-12,000 Hz; sens 93 dB; power handling 20-80 W/ch. Shrub-green finish ..... \$230 ea

### D-350/D-350T Outdoor Omnispeaker

Designed for outdoor use with 3-in moving coil tweeter, 8-in woofer. Features waterproof, rust-resistant enclosure; 360-degree dispersion FR 60-12,000 Hz; sens 93 dB; power handling 20-80 W/ch. Shrub-green finish ..... \$162 ea

### GS-350/GS-3T Outdoor Omnispeaker

Designed for outdoor use with 2-in piezo tweeter, 8-in woofer. Features waterproof, rust-res-

sistant enclosure; 360-degree dispersion. Frequency response 80-17,000 Hz; sensitivity 88 dB; power handling 20-100 watts per channel. Shrub-green finish ..... \$143 ea

### PS-300 2-Way Speaker

Designed for placement in hanging planter or floor planter with 2-in piezo tweeter, 8-in woofer. Features water-resistant enclosures; 360-degree dispersion. Frequency response 80-17,000 Hz; sensitivity 88 dB; power handling 20-100 watts per channel. Beige finish. Dimensions: 15 x 13 x 13 in ..... \$89 ea PS-300S. Similar to above. Dimensions: 13 x 42 x 13 in ..... \$119 ea

### P-652 2-Way In-Wall Speaker

Polypropylene woofer, ½-in polycarbonate-dome tweeter. FR 50-24,000 Hz; power handling 25 W; imp 8 ohms; sens 90 dB. White finish. . . \$114/pr

### P-552 2-Way In-Wall Speaker

Polypropylene voice-coil woofer, ½-in polycarbonate-dome tweeter. FR 65-24,000 Hz; power handling 20 W; imp 8 ohms; sens 89 dB. White finish. .... \$102/pr

### P-653-S 2-Way In-Wall Speaker

Paper woofer, polycarbonate-dome tweeter. Frequency response 80-24,000 Hz; power handling 15 watts; impedance 8 ohms; sensitivity 92 dB. White finish. .... \$84/pr

### Tech 6-1C In-Wall Subwoofer

Single-channel subwoofer plate with crossover; 2 required for stereo. Frequency response without crossover 50-3,500 Hz; power handling 120 watts rms; sensitivity 92 dB; impedance 4 ohms. Paint-ready frame ..... \$90 Oak frame. .... \$93

### Tech 6-2C In-Wall Subwoofer

Two-channel subwoofer plate with crossovers. FR without crossover 38-3,500 Hz; power handling 60 W/ch rms; sens 91 dB; imp 4 ohms. Paint-ready frame ..... \$107 Oak frame. .... \$110

## PRECISE ACOUSTICS

### Beta Line Series

#### 600 BL 3-Way Speaker

Floor-standing, bass-reflex speaker system with 1-in tweeter, 6½-in midrange, 10-in woofer. Ebony or graphite grille. Black satin or walnut finish. .... \$1500/pr

#### 400 BL 2-Way Speaker

Floor-standing, bass-reflex system with 1-in tweeter, 8-in woofer. Ebony or graphite grille. Black satin or walnut finish. .... \$1200/pr

300 BL. Same as above, except in bookshelf size. .... \$750/pr

200 BL. Same as 300 BL, but with 6½-in woofer. .... \$500/pr

### Monitor Series

#### Monitor 10 3-Way Speaker

Bass-reflex speaker with 10-in woofer, 6½-in midrange, and 1-in soft-dome tweeter. Features tuned-port design. FR 20-35,000 Hz; power handling 250 W max ..... \$1,500/pr

#### Monitor 9 2-Way Speaker

Floor-standing speaker with 8-in woofer, 1-in tweeter, and 10-in passive radiator. Power handling 150 W max; sens 91 dB SPL/W/m; imp 6 ohms ..... \$699/pr

#### Monitor 7 2-Way Speaker

Bass-reflex speaker with 8-in woofer and 1-in

# SPEAKERS

tweeter. Frequency response 28-35,000 Hz; power handling 100 watts max; sensitivity 91 dB SPL/W/m; imp 6 ohms. . . . . \$499/pr

## Monitor 5 2-Way Speaker

Bass-reflex speaker with 8-in woofer and 1-in dome tweeter. Features 9-element crossover. FR 32-45,000 Hz; power handling 80 W max. . . . . \$399/pr

## Monitor 3 2-Way Speaker

Bass-reflex speaker with 6½-in woofer and 1-in tweeter. . . . . \$299/pr

## PROAC

All speakers available in teak, walnut, and black-ash finishes.

## Response Three 2-Way Speaker

Features 6½-in polypropylene woofer; 1-in dome tweeter. Power handling 20-250 W; FR 20-25,000 Hz; nom imp 8 ohms; sens 88 dB W/m. 11 x 47 x 12 in. . . . . \$6,000/pr

**Response Two.** As above with ¾-in dome tweeter. Power handling 20-100 W; FR 30-30,000 Hz; sens 86 dB W/m. 9 x 18 x 11 in. . . . . \$2,800/pr

**Response One.** As above with 4½-in carbon polypropylene woofer; ¾-in dome tweeter. FR 45-30,000 Hz; sens 83 dB W/m. 6½ x 11 x 9¼ in. . . . . \$1,600/pr

## Studiower 3-Way Speaker

Floor-standing design with spike. Features 3-in midrange with 3-in ribbon-wound coil; 10-in pulp-cone with 3-in ribbon-wound coil; double suspension; ¾-in tweeter with ferrofluid damping. Power handling 40-500 W; FR 20-25,000 Hz; nom imp 8 ohms; sens 90 dB W/m. 12 x 42 x 13 in. . . . . \$5,300/pr

## Supertower 2-Way Speaker

Floor-standing design with spike. Features two 7-in magnesium-frame midbass drivers; 1-in dome tweeter. Power handling 40-250 W; FR 30-22,000 Hz; nom imp 8 ohms; sens 90 dB W/m. 8 x 42 x 10 in. 58 lb. . . . . \$2,550/pr

## Minitower 2-Way Speaker

Floor-standing. Features two 4½-in-diameter midbass drivers loaded with reflex port; ¾-in dome tweeter. Power handling 20-100 W; FR 40-30,000 Hz; nom imp 8 ohms; sens 88 dB W/m. 6 x 36 x 9¼ in. 29 lb. . . . . \$1,700/pr

## Studio One Speaker

Stand mounting. Features 6½-in midbass driver; 1-in dome tweeter. Power handling 30-150 W; FR 40-30,000 Hz; nom imp 8 ohms; sens 88 dB W/m. 8 x 16 x 10 in. 25 lb. . . . . \$1,250/pr

## Super Tablette 2-Way Bookshelf Speaker

4½-in-midbass driver; ¾-in dome tweeter. Power handling 25-100 W; FR 45-20,000 Hz; nom imp 8 ohms; sens 87 dB W/m. 6 x 10½ x 9¼ in. 11 lb. . . . . \$750/pr

## PSB SPEAKERS BY LENBROOK

### Stratus Gold 3-Way Speaker

10-in long-throw woofer, 6-in midrange, 1-in aluminum-dome tweeter. Power handling 10-250 W; crossover point 2,200 Hz; woofer crossover point 250 Hz; FR 36-20,000 Hz  $\pm$  1.0 dB; sens 88 dB; imp 4 ohms. Black, light or dark oak finish. . . . . \$2,000/pr

### New Stratus 2-Way Speaker

8-in long-throw woofer, 1-in aluminum-dome tweeter. Power handling 10-200 W; crossover point 1,800 Hz; FR 40-20,000 Hz  $\pm$  1.5 dB; sens 88 dB; imp 6 ohms. Black, light or dark oak finish. . . . . \$1,400/pr

## CS 260 Tower 2-Way Speaker

Dual 6-in polypropylene woofers and 1-in treated cloth-dome tweeter. FR 40-20,000 Hz  $\pm$  1.5 dB. Black- or dark-oak finish. . . . . \$1,100/pr

## CS 180 Tower 2-Way Speaker

8-in polypropylene woofer and 1-in treated cloth-dome tweeter. FR 40-20,000 Hz  $\pm$  1.5 dB. Black- or dark-oak finish. . . . . \$900/pr

## PSB 50 MKII 2-Way Speaker

8-in polypropylene cast-basket woofer and 1-in textile-dome tweeter. Rated imp 6 ohms. Black or brown finish. . . . . \$550/pr  
**PSB 50 MKIIV.** As above, with dark-oak veneer finish. . . . . \$700/pr

## PSB 40 MKII 2-Way Speaker

8-in polypropylene woofer and ¾-in textile-dome tweeter. Rated impedance 6 ohms. Black or brown finish. . . . . \$440/pr

## HW-1 2-Way In-Wall Speaker

6½-in polypropylene woofer, ¾-in textile-dome tweeter. Power handling 5-75 W; crossover point 2,400 Hz; FR 56-20,000 Hz  $\pm$  2 dB; sens 89 dB; imp 8 ohms. Off-white finish. . . . . \$350/pr

## PSB 30 MKII 2-Way Speaker

6½-in polypropylene woofer and ¾-in textile-dome tweeter. Rated impedance 6 ohms. Black or brown finish. . . . . \$330/pr

## PSB 20 MKII 2-Way Speaker

6½-in woofer and ½-in polydome tweeter. Impedance 6 ohms. Available in black or brown finish. . . . . \$225/pr

## QUAD

### ESL-63 US Monitor Electrostatic Speaker

Full-range electrostatic design with dipole source. Features 2 protection circuits. Power handling 150 W; sens 86 dB SPL/W/m; imp 8 ohms; axis band limits -6 dB at 35 Hz, third-order, -6 dB at 20,000 Hz. Black finish. 28 x 36 x 11 in; 46.5 lb. . . . . \$3,995/pr  
**ESL-63 Pro.** Professional version with carrying handles. . . . . \$4,400/pr

## QUANTA

### Great Pyramid 3-Way Speaker

Vented speaker with 12-in woofer; 6½-in midrange driver; cone midrange; 1½-in tweeter. FR 25-20,000 Hz; sens 92 dB SPL/W/m; crossover points 75, 2,000 Hz; imp 8/5.1 nom/min ohms. Brown knit grille. Four enclosures; optional wood finish. 500 lb/sys. . . . . \$78,000/sys

### Full Pyramid 3-Way Speaker

Vented speaker with 10-in woofer; 5¼-in cone midrange driver; 1½-in dome tweeter. FR 27-20,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; crossover point 75, 2,000 Hz; imp 8/5.2 nom/min ohms. Gray knit grille. Four enclosures; matte-black finish. 400 lb/sys. . . . . \$38,000/sys

### The Pyramid 2-Way Speaker

Vented speaker with 8-in woofer; 1½-in dome tweeter. sens 93 dB SPL/W/m; crossover point 2,000 Hz; nom imp 8 ohms. . . . . \$8,500/pr

### IX 3-Way Speaker

Hybrid line speaker with 8-in woofer; 1½-in and ¾-in dome tweeters. FR 28-35,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; crossover points 2000, 19,000 Hz; nom/min imp 8/5.2 ohms. Matte-black finish and gray knit grille. 17 x 38 x 14 in. 58 lb ea. . . . . \$4,990/pr

### Baby Pyramid MK III 2-Way Speaker

Vented speaker with 5¼-in woofer; 1½-in dome

tweeter. FR 50-20,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; crossover point 2,000 Hz; nom imp 8 ohms. Black-lacquer finish and gray knit grille. 11 x 15 x 10 in; 23 lb ea. . . . . \$4,500/pr

### Baby Pyramid MK II 2-Way Speaker

Vented speaker with 5¼-in woofer; 1½-in dome tweeter. FR 54-20,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; crossover point 2000 Hz; nom/min imp 8/5.3 ohms. Matte- black finish and gray knit grille. 11 x 15 x 10 in; 22 lb ea. . . . . \$3250/pr

### VII MK-II 2-Way Speaker

Hybrid line speaker with 8-in woofer; 1½-in dome tweeter. FR 29-20,000 Hz  $\pm$  3 dB; sens 91 dB SPL/W/m; crossover point 2,000 Hz; Matte-black finish and gray knit grille. 18 x 34 x 11 in. 58 lb ea. . . . . \$2,990/pr  
Kit form . . . . . \$2,350/pr

### III MK-II 2-Way Speaker

Hybrid line speaker with 6½-in woofer; 1-in dome tweeter. FR 47-20,000 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; crossover point 2,000 Hz; Matte-black finish and gray knit grille. 13 x 20 x 9 in; 28 lb ea. . . . . \$1,490/pr  
Kit form . . . . . \$999/pr

### Amazing 2-Way Mini-Speaker

Vented speaker with 5¼-in woofer; 1-in dome tweeter. FR 54-22,000 Hz  $\pm$  3 dB; sens 88 dB SPL/W/m; crossover point 2500 Hz; Matte-black finish and gray knit grille. 11 x 17 x 7 in; 16 lb ea. . . . . \$997/pr  
Kit form . . . . . \$650/pr

## Subwoofers

### C-Subwoofer

Vented speaker with two 10-in woofers. FR 26-200 Hz  $\pm$  3 dB; sens 92 dB SPL/W/m; nom/min imp 8/5.2 ohms. Matte-black finish and black knit grille. 24 x 24 x 37 in; 175 lb ea. . . . . \$6,500 ea  
**C-Subwoofer.** As above with one 8-in woofer. FR 30-200 Hz  $\pm$  3 dB; sens 89 dB SPL/W/m; nom/min imp 8/5.3 ohms. 17 x 25 x 11 in; 45 lb ea. . . . . \$1,290 ea

### B-Subwoofer

Hybrid line speaker with 10-in woofer. FR 25-200 Hz;  $\pm$  3 dB; sens 92 dB SPL/W/m; nom/min imp 8/5.2. 24 x 34 x 14 in; 78 lb ea. . . . . \$3,250 ea  
Kit form . . . . . \$2,450

## REALISTIC BY RADIO SHACK

Nominal imp of all Realistic speakers is 8 ohms.

### Nova 18 2-Way Speaker

Bass-reflex speaker with 10-in woofer and 3-in tweeter. Features tuned-port; removable grille. FR 65-20,000 Hz; power handling 100 W; sens 90 dB SPL/W/m; imp 8 ohms. Oiled walnut. 12¼ x 22½ x 8½ in; 17.5 lb. . . . . \$200/pr

### Nova 16 2-Way Speaker

Bass-reflex speaker with 8-in woofer and 2½-in tweeter. Features tuned-port; removable grille. FR 60-20,000 Hz; power handling 60 W; sens 88 dB SPL/W/m; imp 8 ohms. Oiled walnut. 10¼ x 16½ x 6½ in; 14 lb. . . . . \$160/pr

### MC-1800 2-Way Bookshelf Speaker

Acoustic-suspension, bookshelf speaker with 8-in woofer and 2½-in tweeter. FR 70-20,000 Hz  $\pm$  3 dB; maximum power 50 W rms; imp 8 ohms. . . . . \$120/pr

### Model 40-1365 2-Way In-Wall Speaker

Speaker with 5¼-in woofer and 1-in soft-dome tweeter. FR 60-20,000 Hz. Includes mounting-bracket hardware. 7¾ x 11¾ x 2½ in. . . . . \$50/pr



# SPEAKERS

## Model 40-165 Mini Speaker

2½-in square drivers. Features attached cable with mini plug. Max power 1 W; 3 x 3½ x 1¼ in ..... \$20/pr

## Model 40-155 Mini Speaker

Single enclosure with two 1½-in drivers with mini plug. 3¾ x 3¼ x 1¼ in ..... \$10/pr

## Minimus Series

### Model 77 2-Way Speaker

5-in woofer and 1-in dome tweeter. Features diecast aluminium cabinet. FR 50-20,000 Hz; power handling 55 W max; impedance 8 ohms. 5½ x 8¾ x 4¾ in; 5.3 lb ..... \$160/pr

### Model 7W 2-Way Speaker

4-in woofer; 1-in soft-dome tweeter; spring terminals. Max power 40 W ..... \$120/pr

### Model 7 2-Way Speaker

Diecast metal enclosure; 4-in woofer; 1-in soft-dome tweeter; crossover; hanger slots and recessed spring connectors for wall mounting. Max power 40 W; 4¾ x 7 x 4¼ in ..... \$100/pr

### Model 26 2-Way Speaker

Acoustic-suspension speaker with 5-in woofer and 2½-in tweeter. FR 90-20,000 Hz; power handling 40 W; sens 87 dB SPL/W/m; imp 8 ohms. 6¾ x 11 x 4¾ in; 5 lb ..... \$70/pr

### Model 18 Speaker

4-in driver; spring terminals. Walnut-vinyl finish. 5¼ x 9¾ x 4¾ in ..... \$50/pr

### Model 3.5 Speaker

Molded enclosure with steel grille; spring terminals. Max power handling 15 W; 3¾ x 5¼ x 3 in ..... \$48/pr

### Model 2.5 Speaker

4-in driver. Max power 10 W. Walnut-vinyl finish. 5 x 6¾ x 3 in ..... \$40/pr

### Model 3 Speaker

5-in driver. Max power 7 W. Walnut-vinyl finish. 8½ x 10 x 5½ in ..... \$32/pr

### Model 0.3 Speaker

Cube speaker with 3-in driver. Max power 7 W. Walnut veneer. 4 x 4 x 3¾ in ..... \$30/pr

### Model 0.4 Powered Speaker

Features built-in amplifier with 1.5 W/ch; tone booster; bass +6 dB at 125 Hz, treble +6 dB at 8,000 ..... \$30/pr

## Supertweeters

**Dynamic.** Mounts in or outside speaker cabinet; FR to 40,000 Hz; max power 50 W; 4-in H. . \$25  
**Piezo.** FR to 27,000 Hz. Max power 75 W; sens 96 dB SPL/W/m ..... \$13

## Accessories

Mounting Brackets. Models 7W and 7 .. \$18/pr  
 Mounting Brackets. Model 77. .... \$20/pr

## REEL TO REAL DESIGNS

### Legacy Signature II 3-Way Speaker

Biamp capable speaker with three 10-in carbon/polypropylene woofers, two 6½-in midrange, 1¼-in metallized-dome and ribbon tweeter. Rear-firing ambience tweeter maintains bipolar response above 5,000 Hz; slot-loaded woofer. Power handling 45-600 watts; frequency response 16-30,000 ±2 dB; sensitivity 93.5 dB SPL/watts per meter; impedance 4 ohms; crossover points 80, 200, 1,850, and 8,000 Hz. Oiled-oak, walnut, rosewood, or black-lacquer finish ..... \$2,696/pr

**Legacy Signature-Satellite.** Compact version of the Signature II without woofers. 10¼ x 20 x 10¼ in; 40 lb ..... \$1,496

### Legacy-1 4-Way Speaker

10-in and 8-in polypropylene woofers, 6½-in polypropylene midwoofer, 1¼-in metallized midrange, and samarium-cobalt ribbon supertweeter. Slot-loaded subwoofer section with double-magnet structure; dual pairs of tiffany binding posts; biampable; hand-tuned crossover; 5-chamber cabinet braced to 1½-in wall thickness. Power handling 45-400 W; FR 20-30,000 Hz ±2 dB; sens 91.5 dB SPL/W/m; imp 4 to 8 ohms; crossover points 120, 2,200, and 8,500 Hz. Oiled-oak, walnut, rosewood, or black-lacquer finish ..... \$1,696/pr

### Legacy-2 PLUS 3-Way Speaker

10-in polypropylene woofer; 6½-in polypropylene midrange; 1-in ferrofluid-cooled aluminum-dome tweeter. Gold-plated tiffany binding posts. Power handling 30-200 W; frequency response 28-22,000 Hz ±2 dB; sens 90.5 dB SPL/W/m; imp 6 ohms; crossover points 180 and 2,800 Hz. Oiled-oak, walnut, rosewood, or black-lacquer finish ..... \$1,196/pr

### Legacy-3 3-Way Speaker

9-in polypropylene woofer, 6½-in cast-frame midbass, and 1-in ferrofluid-cooled dome tweeter. Features double-reflex bass alignment; gold-plated tiffany binding posts. Power handling 30-200 W; FR 34-22,000 Hz ±2 dB; sens 91.5 dB SPL/W/m; imp 4 ohms; crossover points 200, 2,800 Hz. Oak, walnut, rosewood, or gloss-black lacquer finish ..... \$896/pr

### Legacy-Super 2-Way Bookshelf Speaker

Two 6½-in polypropylene midwoofers, 1-in ferrofluid-cooled aluminum-dome tweeter. Features gold-plated tiffany binding posts. Power handling 30-200 W; FR 38-22,000 Hz ±2 dB; sens 94.5 dB SPL/W/m; imp 4 ohms; crossover point 2,000 Hz. Oiled-oak, walnut, rosewood, or gloss-black lacquer finish ..... \$750/pr  
 Optional T-braced stands with spiked hardwood base ..... \$120/pr

### Legacy Dual 12 Subwoofer

Dual-channel subwoofer with carbon-filled polypropylene 12-in woofer. Features 6th-order alignment, variable crossover point and slope. Power handling 30-500 W; FR 16-100 Hz ±2 dB; sens 91.5 dB SPL/W/m; imp 4 ohms; crossover 55 or 95. Oiled oak, walnut, rosewood, or gloss black-lacquer finish ..... \$748 ea

### Legacy Dual 10 Subwoofer

Dual-channel subwoofer with 10-in woofers. Features assisted 4th-order alignment; variable crossover point and slope. Power handling 30-400 W; FR 22-120 Hz ±2 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover point 55 or 95 Hz. Oiled-oak, walnut, rosewood, or gloss black-lacquer finish ..... \$548 ea

### Legacy 2-Way Bookshelf Speaker

6½-in polypropylene woofer and 1-in aluminum-dome tweeter. Features braced cabinet stuffed with polyester fiber; gold-plated tiffany binding posts. Power handling 30-150 W; FR 40-22,000 Hz ±2 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 2,800 Hz. Oiled-oak, walnut, rosewood, or gloss black-lacquer finish ..... \$548/pr  
 Optional T-braced stands with spiked hardwood bases ..... \$120/pr

### Legacy Mini-Monitor 2-Way Speaker

Compact speaker with 5¼-in Bextrene midbass and 1-in aluminum-dome tweeter. Features gold-plated tiffany binding posts. Power han-

dling 30-125 W; FR 59-22,000 Hz ±2 dB; sens 90 dB SPL/W/m; imp 4 ohms; crossover point 2,200 Hz. Available in oiled-oak, walnut, rosewood, or gloss black. 16 lb ea ..... \$448/pr  
 Optional T-braced stands with spiked hardwood bases ..... \$120/pr

## REVOX

### Agora B MK II Powered 3-Way Speaker

Floor-standing triamplified ported speaker incorporating three 100-W amps with active dividing networks in each enclosure. Designed to be driven from preamp or direct from high-level sources such as CD player. Features push-pull dual woofer design with one woofer facing into enclosure to eliminate even-order harmonic distortion. Two 9-in cone woofers; 4¼-in cone midrange; ¾-in titanium-dome tweeter. Low-frequency amp utilizes feedback to compensate for EMF. 4-step bass and treble controls; bass-blend switch; auto power on/off. FR 30-21,000 Hz ±3 dB; sens 110 dB SPL/W/m; walnut-veneer finish with brown grille or polished-ebony finish with black grille ..... \$5,900/pr  
 Black Lacquer finish ..... \$6,900/pr

### Power Cube Powered Speaker

Incorporating 2 additional amps to power any pair of satellite speakers. 12¼-in woofer, 150-W amp for bass speakers; two 100-W amps for satellites. Can be connected to outputs of either preamp or amp. FR 35-22,000 Hz -3 dB; sens 100 dB SPL/W/m. Black or white matte finish. 15½ x 16½ x 14½ in; 42 lb ..... \$1,600 ea

### Duetto 2-Way Speaker

Single-enclosure speaker with two sets of three drivers mounted on either side of wedge shape enclosure. May be used with Power Cube or Piccolo Bass. Features two 4-in midranges; 1-in dome tweeter. FR 90-22,000 Hz; sens 89 dB SPL/W/m; nominal imp 4 ohms. Black or white lacquer finish. 14 x 14 x 14 in ..... \$995/pr  
 Black or white matte finish ..... \$695/pr

### Piccolo Satellite/Subwoofer System

Satellite speakers may be used with or without companion subwoofer. Satellites feature 4¼-in midrange driver; ¾-in dome tweeter. Subwoofer features 10¼-in woofer. Power handling 70 W cont; FR 48-22,000 Hz ±3 dB; sens 86 dB SPL/W/m; imp 4 ohms; black finish. Satellite: 5½ x 8¾ x 5¾ in, 5 lb, 8 oz. Subwoofer: 14½ x 15¼ x 14¼ in, 32 lb.  
 Satellites ..... \$390/pr  
 Subwoofer ..... \$400 ea

## RH LABS

### SB-3a Powered Subwoofer

150-W amplifier and 12-in driver. Features continuously variable 40-120 Hz, 18 dB/octave electronic crossover; phase-reversal control. 20 x 23 x 20 in ..... \$995 ea

### SB-4a Powered Subwoofer

100-W amplifier and 10-in driver. Features continuously variable 40-120 Hz, 18 dB/octave electronic crossover; phase-reversal control. 16¼ x 19½ x 16 in ..... \$695 ea

## ROCKUSTICS

*Rockustic speakers feature natural-looking stone-like enclosures; they are water- and weather-resistant for outdoor applications and feature positive, negative, and ground connection terminals.*

### Stonehenge 3-Way Outdoor Speaker

8-in woofer, 5½-in midrange, and 1-in dome tweeter. FR 54-18,500 Hz ±3 dB; power han-

# SPEAKERS

ding 150 W; imp 4 ohms; sens 90 dB SPL/W/m. 85 lb ..... \$1,500/pr

## Hillside 3-Way Outdoor Speaker

8-in woofer, 5½ midrange, and 1-in dome tweeter. FR 54-18,500 Hz ± 3 dB; power handling 150 W; imp 4 ohms; sens 90 dB SPL/W/m. 120 lb ..... \$1,500/pr

## Subrock Subwoofer

Dual voice 15-in weather-resistant subwoofer features 4-cubic-ft enclosure tuned to 35 Hz. Power handling 300 W into 8 ohms. Gray granite, brown sandstone, burnt rust, or custom colors available ..... \$849

## Rocky Jr 2-Way Outdoor Speaker

2 6½-in long-throw polypropylene-cone woofer, 1-in ferrofluid-cooled soft-dome tweeter, and 3rd-order crossover point 3,000 Hz. FR 58-18,500 Hz ± 2½ dB; imp 5 ohms nominal. 3.7 ohms min; sens 90 dB SPL/W/m ..... \$699/pr

## Octorock 2-Way Speaker

Features matrix cabinet. All stainless mounting hardware. Power handling 100 W cont; FR 54-20,000 Hz ± 3 dB; imp 4 ohms. Gray granite, brown sandstone, burnt rust, or custom colors available ..... \$629/pr

## Rocky Too 2-Way Speaker

Features matrix cabinet. All stainless mounting hardware. Power handling 100 W cont; FR 55-20,000 Hz ± 3 dB; imp 8 ohms. Gray granite, brown sandstone, burnt rust, or custom colors available ..... \$549/pr

## Soundstone 2-Way Speaker

Features matrix cabinet. All stainless mounting hardware. Power handling 100 W cont; FR 55-20,000 Hz ± 3 dB; imp 8 ohms. Gray granite, brown sandstone, burnt rust, or custom colors available ..... \$496/pr

## ROGERS

All speakers come with a 5-year warranty. Cones are polypropylene and tweeters are metal dome unless otherwise specified.

## PM510a 2-Way Reflex Speaker

Features biwireable crossover network. Power handling 200 W; imp 8 ohms; FR 40-16,000 Hz ± 3 dB; sens 92 dB SPL/W/m. 18 x 30 x 15½ in; 78 lb. Walnut, teak, or black ..... \$3,495/pr

## P-24 Speaker

Power handling 250 W; FR 40-20,000 Hz ± 2 dB; imp 8 ohms; sens 88 dB SPL/W/m. 12 x 32 x 12 in; 62 lbs. Black, walnut, white ..... \$3,000/pr

## LS5/9 2-Way Speaker

Power handling 100 W; FR 50-16,000 Hz ± 3 dB; imp 8 ohms; sens 87 dB SPL/W/m. 11 x 18½ x 10½ in; 38 lb. Walnut, teak, or black ..... \$2,595/pr

## Studio 1a 2-Way Speaker

Features aluminum-dome tweeter and biwireable crossover. Power handling 220 W; FR 45-20,000 Hz ± 3 dB; imp 8 ohms; sens 89 dB SPL/W/m. 12 x 25 x 12 in; 40 lb. Walnut, teak, or black ..... \$1,399/pr

## LS7t 2-Way Speaker

Features titanium-dome tweeter and biwireable crossover. Power handling 200 W; FR 55-22,000 Hz ± 2 dB; impedance 8 ohms; sensitivity 88 dB SPL/W/m. 10¼ x 22 x 11 in; 38 lb. Walnut, teak, or black ..... \$949/pr

## LS6a 2-Way Speaker

Features biwireable crossover. Power handling 150 W; FR 50-20,000 Hz ± 2 dB; imp 8 ohms;

sens 89 dB SPL/W/m. 10¼ x 20 x 11 in; 45 lb. Walnut, teak, or black ..... \$699/pr

## LS3/5a 2-Way Bookshelf Speaker

Power handling 75 W; frequency response 70-20,000 Hz ± 3 dB; impedance 11 ohms; sensitivity 82.5 dB SPL/W/m. 7½ x 11¼ x 6¾ in; 25 lb. Walnut, teak, or black finish ..... \$649/pr

## LS4a 2-Way Bookshelf Speaker

Power handling 100 W; frequency response 55-20,000 Hz ± 2 dB; impedance 8 ohms; sensitivity 88 dB SPL/W/m. Dimensions: 10 x 17 x 9¾ in. Black/walnut vinyl ..... \$549/pr

## LS2a 2-Way Bookshelf Speaker

Power handling 100 W; FR 60-20,000 Hz ± 2 dB; imp 8 ohms; sens 87 dB SPL/W/m. 29 lb. 9 x 14 x 8 in. Black/walnut vinyl ..... \$399/pr

## Speaker Stands

All stands are supplied with fully-adjustable, carpet-piercing spikes.

S40. For use with the Studio 1a, LS6a, and LS7t speakers. 40 lb. Black ..... \$129

S55. For use with the LS2a and the LS3/5a speakers. 35 lb. Black ..... \$129

S59. For use with the LS5/9 and the LS4a speakers. 44 lb. Black ..... \$129

## ROHRER

### Reference Line Source 2-Way Speaker System

Features twelve 6-in woofer-midranges, 16 ribbon tweeters in line-source array. FR 40-40,000 Hz; sens 99 dB SPL/W/m. 14½ x 80 x 12 in ..... \$20,000  
 Additional double cabinets ..... \$5,800  
 Additional single cabinet, walnut-burl finish ..... \$9,400  
 Additional dual cabinet, walnut-burl finish ..... \$17,800  
 Additional single cabinet, Ferrolam steel laminate ..... \$1,600  
 Additional dual cabinet, Ferrolam-steel laminate finish ..... \$4,800

### Reference Tower Subwoofer Speaker System

System consists of 4 units, two 15-in subwoofers per unit. Frequency response 10-100,000 Hz; sensitivity 96 db SPL/W/m. 80-inches tall, 25-inch diameter ..... \$12,600  
 Additional solid-wood enclosures ..... \$18,300

### Monitor Series

RM2902R. 2-way speaker with two 9-in ribbon tweeters; black stand ..... \$2,700  
 RM902R. 2-way system with 9-in ribbon tweeter; black stand ..... \$1,800  
 RM702R. 2-way system with 7-in ribbon tweeter; black stand ..... \$1,600  
 RM702D. Same as above, with dome-tweeter; oak stand ..... \$1,200/pr

### Europa Series

RE528. System with two 8-in subwoofers, black ..... \$2,400  
 RE2602D. 2-way system with two titanium-dome tweeters, black ..... \$2,400  
 RE602D. 2-way system with 6-in titanium-dome tweeter, black ..... \$1,600

### Tower Subwoofers

RT215E. Two 15-in woofers, stratified damping, 80-in tall, 25-in diameter; stratified damping ..... \$6,300  
 RT212E. Two 12-in subwoofers; stratified damping; 80-in tall; black ..... \$4,200  
 RT212SE. Two 12-in subwoofers; stratified damping; 44-in tall, black ..... \$2,400  
 RT212.5. Same as above, without stratified damping ..... \$2,400

RT212. Two 12-in subwoofers; 80-in tall; black ..... \$2,400  
 RT1201. Same as above, one subwoofer \$1,600

## ROSSMAN

### SA.8 2-Way Powered Speaker

Bass-reflex speaker with 6½-in woofer, 1-in dome tweeter. Driven by 30 W amp. Frequency response 42-20,000 Hz ± 3 dB; imp 100 kilohms; crossover frequency 2,300 Hz. 10 x 17 x 12 in; 60 lb ..... \$500/pr

### SA.5 2-Way Powered Speaker

Bass-reflex speaker with 5-in woofer, 1-in dome tweeter. Driven by 30 W amp. FR 55-20,000 Hz ± 3 dB; imp 100 kilohms; crossover point 2,300 Hz. 12 x 13 x 9 in; 48 lb. .... \$400/pr

## SANSUI

### Vintage SP-100i 2-Way Shielded Speaker

Magnetically shielded bass-reflex speaker. Features 8¼-in filament-carbon woofer with twin magnets; 1-in titanium-dome tweeter with diamond plating; ½-in diecast aluminum tweeter base. FR 40-30,000 Hz; crossover point 1,500 Hz; sens 88 dB SPL/W/m; imp 6 ohms; max power handling 120 W. 11 x 17¼ x 13½ in; 41.9 lb. Titanium finish ..... \$1,500/pr

### SP-X5U 3-Way Speaker

6½-in woofer, 5¼-in carbon-filled polypropylene cone midbass with butyl rubber surround and aluminum diecast frame, 1-in liquid-cooled tweeter. Features rounded baffle edges; gold-plated 5-way binding posts. FR 45-23,000 Hz ± 3 dB; power handling 75 W/ch rms; sens 88 dB SPL/W/m; imp 6 ohms; crossover points 350 and 7,000 Hz. 11½ x 37½ x 11½ in. Oak or black woodgrain finish ..... \$440/pr

### SP-X3U 3-Way Speaker

Acoustic-suspension design with 10-in carbon-filled polypropylene woofer, 5-in carbon-filled polypropylene midrange, ¼-in ferrofluid-cooled dome tweeter; gold-plated 5-way binding posts. FR 35-23,000 Hz ± 3 dB; max power handling 250 W; imp 8 ohms. 14 x 21¼ x 10½ in; 17 lb. Oak cabinets ..... \$380/pr

### SW-S7.7U 3-Way Subwoofer/Satellite System

Two SP-XO.7U acoustic-suspension satellites with 5-in polypropylene midrange and ½-in soft-dome tweeter, and one SP-W7U subwoofer with two 6-in woofers in ported cabinet. Power handling 60 W/ch rms into 6 ohms; FR 55-22,000 Hz; sens 88 dB SPL/W/m. Crossover point at 200 and 6,000 Hz. Satellites: oak grain or black wood grain. 7 x 11¼ x 7¾ in; 10 lb. Subwoofer: black textured finish. 9¼ x 19 x 11¼ in; 26 lb ..... \$370/sys

### S-75U 3-Way Speaker

Floor-standing speaker with 15-in cone woofer, 4-in cone midrange, and 3-in cone tweeter. Features auto-reset overload protector. Power handling 150 W max; FR 25-20,000 Hz; imp 8 ohms; sens 91 dB SPL/W/m. 18 x 34 x 11½ in; 38 lbs ..... \$360/pr

### SP-X2U 2-Way Speaker

Acoustic-suspension design with 8-in carbon-filled polypropylene woofer with butyl rubber surround, ¼-in ferrofluid-cooled dome tweeter. Gold-plated 5-way binding posts; rounded cabinet baffles. FR 40-23,000 Hz ± 3 dB; max power handling 200 W; imp 8 ohms. 11¼ x 21¼ x 10¼ in; 28 lb. Oak cabinets ..... \$300/pr

### S-65U 3-Way Speaker

Floor-standing speaker with 12-in cone woofer, 4-in cone midrange, and 3-in cone tweeter.

# SPEAKERS

Features auto-reset overload protector. Power handling 130 W max; imp 8 ohms; sens 90 dB SPL/W/m; FR 35-20,000 Hz. 14½ x 30 x 11½ in; 30 lbs ..... \$270/pr

## S-45U 3-Way Speaker

Floor-standing speaker with 10-in cone woofer, 4-in cone midrange, and 3-in cone tweeter. Features auto-reset overload protector. Power handling 85 W max; imp 8 ohms; sens 89 dB SPL/W/m; FR 45-20,000 Hz. 14 x 26 x 10½ in; 25 lbs ..... \$220/pr

## SP-XIU 2-Way Speaker

Acoustic-suspension design with 6½-in carbon-filled polypropylene woofer with butyl rubber surround, ½-in ferrofluid-cooled dome tweeter. Nickel-plated 5-way binding posts; rounded baffles. FR 50-22,000 Hz ± 3 dB; max power handling 150 W; imp 8 ohms. 9½ x 14½ x 9½ in; 17 lb. Oak cabinets ..... \$200/pr

## S-35U 2-Way Bookshelf Speaker

8-in cone woofer and 2-in cone tweeter. Power handling 65 W max; imp 8 ohms; sens 89 dB SPL/W/m; FR 55-20,000 Hz. 12 x 23 x 9¼ in; 19 lbs ..... \$140/pr

## S-25U 2-Way Bookshelf Speaker

6½-in cone woofer and 2-in cone tweeter. Power handling 35 W max; imp 8 ohms; sens 88 dB SPL/W/m; FR 70-20,000 Hz. 8 x 14 x 7¼ in; 9 lbs ..... \$115/pr

## SAVARD

### Phase XXII 4-Way Speaker

Features biamp circuit; 15-in woofer; 10-in mid-bass driver; PZT midrange driver mounted to 4 x 10 horn; two multicellular PZT tweeter. FR 25-30,000 Hz; imp 4 ohm; crossover points 200, 3,000, 8,000 Hz; sens 105 dB W/m. 21½ x 52½ x 18 in; 170 lb ..... \$779 ea

### Phase VII 3-Way Speaker

15-in woofer; midrange driver mounted to a 4 x 10 horn; multicellular PZT tweeter. Power handling 5-400 W/ch; FR 25-30,000 Hz; imp 4 ohm; crossover points 700, 3,000 Hz; sens 104 dB W/m. 21 x 30¼ x 18 in; 75 lb ..... \$574 ea

### Phase XXVII 3-Way Speaker

12-in woofer; two midrange drivers mounted to an 800 cps diffraction horn; two multicellular PZT tweeter. Power handling 5-300 W/ch; FR 30-30,000 Hz; imp 4 ohm; crossover points 700, 5,000 Hz; sens 105 dB W/m. 17¼ x 31½ x 15 in; 59 lb ..... \$413 ea

### Phase I Subwoofer/Satellite System 6

Dual 8-in woofers. Power handling 5-200 W/ch; FR 30-200 Hz; crossover point 200 Hz; 11½ x 23 x 14 in ..... \$324 ea

### Phase I Satellite System 6 2-Way Speaker

6½-in midbass driver; 3 x 4 multicellular PZT horn tweeter. Power handling 5-200 W/ch; FR 200-30,000 Hz; crossover points 200, 3,000 Hz; 9 x 13 x 7 in ..... \$322 ea

### Phase XV 3-Way Speaker

10-in woofer; 2 x 6-in horn; two PZT tweeter. Power handling 5-250 W/ch; FR 36-30,000 Hz; imp 4 ohm; crossover point 2,000 Hz; sens 105 dB W/m. 17¼ x 31½ x 15 in, 59 lb ..... \$286 Series 303. As above but with one PZT tweeter. 13½ x 20¼ x 9, 27 lb ..... \$189 ea

### Phase I 3-Way Bookshelf Speaker

8-in woofer, 6½-in midbass driver, 3 x 4 PZT multicellular PZT tweeter. Power handling 5-250 W/ch; FR 38-30,000 Hz; crossover points 200, 3,000 Hz. 11 x 13¾ x 13 in ..... \$241 ea

## SCOTT

### AS-1B 2-Way Bookshelf Speaker

Acoustic-suspension speaker with 6½-in woofer; 1-in textile soft-dome tweeter. Features passive tweeter protection; air-core crossover coils. 3-way binding posts; oak-vinyl finish. FR 55-22,000 Hz ± 4 dB; power range 15-120 watts rms; sens 90 dB SPL/W/m; imp 4 ohms. 8¾ x 15 x 7½ in; 14 lb each ..... \$240/pr

### Model 10.3a 3-Way Bookshelf Speaker

Acoustic-suspension speaker with 10-in woofer; ferrofluid-cooled 4½-in midrange; 1¼-in center-mounted tweeter; hickory-vinyl finish. FR 45-20,000 ± 4 dB; power range 10-100 W rms; sens 92 dB SPL/W/m; imp 8 ohms; 12½ x 23¼ x 8¾ in; 20 lb ea ..... \$200/pr

### Model 8.2a 2-Way Bookshelf Speaker

Acoustic-suspension speaker with 8-in woofer; 1¼-in ferrofluid-cooled tweeter; hickory-vinyl finish. FR 55-20,000 Hz ± 4 dB; power range 5-70 W rms; sens 92 dB SPL/W/m; 10¾ x 18 x 7½ in; 12 ea ..... \$160/pr

### Model 6.2a 2-Way Bookshelf Speaker

Acoustic-suspension speakers with 6½-in woofer; 1¼-in ferrofluid-cooled tweeter. Hickory-vinyl finish. FR 60-18,000 Hz ± 4 dB; power range 5-60 watts rms; sens 90 dB SPL/W/m. 8¾ x 15 x 7½ in; 9 lb ..... \$140/pr

### SP38B 3-Way Bookshelf Speaker

Acoustic-suspension speaker with 8-inch woofer; 2-inch midrange; 2-inch tweeter. FR 50-19,000 Hz; 75 watts maximum power handling. 11 x 21¼ x 8½ in; 14 lb each ..... \$120/pr

### SP28A 2-Way Bookshelf Speaker

Features 8-inch woofer; 3-inch tweeter; FR 50-19,000 Hz; Power handling 40 W max. 11 x 18 x 8¼ in ..... \$100/pr

## SHAHINIAN ACOUSTICS

### Diapason Speaker

Asymmetric prism with four 5¼-in curved polycone rubber-edge drivers and six ¾-in W-shaped titanium-dome tweeters. Features 1-in aluminum voice-coil; 20-oz ceramic magnet; unequal rakes in each direction made of 13-ply Finland birch; 2 optional input filter choices or direct bypass for bi-amp use filters; 2 optional roll-off filters to facilitate exact matching or bypass; lamb's-wool damping. FR 125-22,000 Hz - 3 dB; power handling 250 W average. Brown, black beige, bone, double-knit polyester grille. 35 lb ..... \$4,650/pr

### Obelisk 3-Way Speaker

Folded double-prism 50-in hybrid transmission-line speaker with 8-in asymmetrically placed high-temperature voice-coil poly woofer, 10-in mass-loaded-membrane polypropylene passive radiator, two 1¾-in cambric-dome midranges, four ¾-in W-shaped dome tweeters. Power handling 50-500 W; imp 6 ohms nominal. Walnut and oak standard finishes; optional finishes available. 14½ x 29 x 12½ in; 55 lb .. \$2,050/pr

### Hawk Subwoofer

Folded transmission-line enclosure, essentially half of the Double Eagle. Feature 8-in-high temperature voice-coil woofer with dynamic damping; 10-in passive radiator. Inputs for satellite included, multiple crossover points for low- and high-pass filters. FR - 3dB/25Hz uniform 250/500Hz; imp 6 ohms; power handling 150 W. 14½ x 30 x 11¼ in, 60 lb .... \$1,400/pr

### ARC 3-Way Speaker

Vertical transmission-line speaker with 8-in

high-temperature voice-coil polypropylene woofer; 10-in mass-loaded-membrane viscous-damped passive radiator; 1¾-in cambric-dome midrange, and 1-in titanium supertweeter. Features time-aligned phase-correct driver placement. Power handling 30- 350 W; imp 4 ohms nominal. Natural, medium, or dark-oak finish on ¼-inch fiberboard. 14 x 27½ x 9¾ in; 42 lb ..... \$1,200/pr

### LYRE 2-Way Speaker

8-in high-temp voice-coil poly-woofer, 1-in titanium-deposit poly-dome supertweeter, and 10-in passive radiator. FR 30-18,000 Hz - 3 dB. Dark- or light-oak veneer; 11½ x 23½ x 11¼ in; 43 lb ..... \$950/pr

### ELF 2-Way Speaker

Tuned-damped vent enclosure, 5¼-in polypropylene woofer with rubber edge, 1-in polypropylene-dome tweeter. FR 55-18,000 Hz - 3 dB; power handling 25-150 W; imp 6 ohms nominal. Natural-medium- or dark-oak finish. 6¾ x 12½ x 7¼ in; 26 lb/pr ..... \$450/pr

### Double Eagle Stereo Subwoofer

One enclosure with two acoustically separated 8-in polypropylene rubber-edged high-temperature voice-coil woofers and two 10-in mass-loaded-membrane polypropylene passive radiators. FR 26-1,000 Hz - 3 dB; max power, short duration peaks 1,000 W; imp 6 ohms nominal; ch; crossover 18 dB/oct at 140 Hz. Walnut finish on Finland birch. Optional finishes available. 23 x 30 x 14 in; 105 lb ..... \$1,150 each

## SHURE

### HTS50CF Center-Channel Speaker System

Acoustic-suspension speaker for use as center front speaker in surround system. Features two 6½-inch woofers; 1-inch dome tweeter; curved polymer diaphragm; magnetically shielded, polypropylene drivers; fluid-cooled, fused tweeter. FR 55-18,000 Hz; sens 88 dB SPL/W/m; imp 5.6 ohms. Walnut-veneer finish; molded plastic grille. 13½ x 20 x 8¾ in; 37 lb ..... \$599

### HTS50SW Subwoofer

Subwoofer for use in surround system with heavy damped cone. Features shielded double-magnet structure, and 12-inch woofer; curved polymer diaphragm. FR 33-80 Hz; sens 91 dB SPL/W/m; imp 8 ohms. Walnut-veneer finish. 18 x 23 x 14 in; 65 lb ..... \$499

### HTS50LRS Surround-Sound Speaker

Acoustic-suspension speaker for use as front left, right, and/or surround speaker in surround system. Features 6½-inch woofer, 1-inch dome tweeter; curved polymer diaphragm; magnetically shielded, polypropylene drivers; fluid-cooled, fused tweeter. FR 60-18,000 Hz; sens 85 dB SPL/W/m; imp 5.6 ohms. Walnut-veneer finish. 10 x 13½ x 8¾ in ..... \$299

## SIGNET

### SL280 2-Way Speaker

Includes 8-in polypropylene woofer with rubber surround and injection-molded magnesium frame and 1-in ferrofluid-cooled aluminum-dome tweeter. Features vented enclosure; biwired option; crossover with air-core inductors, polypropylene capacitors, and OFC wire. Power handling 20-150 W; FR 40-25,000 Hz; sens 89 dB 2.83 V/m; nominal imp 8 ohms; crossover point 3,000 Hz. Oak veneer. 9¼ x 25 x 12¾ in; 37 lb ..... \$900/pr

### SL260 2-Way Speaker

Includes 6-inch polypropylene woofer with rub-

# SPEAKERS

ber surround and injection-molded magnesium frame and ¼-inch ferrofluid-cooled aluminum dome tweeter. Features vented enclosure; biwired option; crossover includes air-core inductors, polypropylene capacitors, and ofc wire. Power handling 20-125 W; FR 45-25,000 Hz; sens 88 dB 2.83 V/m; nominal imp 8 ohms; crossover point 3,000 Hz. Oak veneer. 8½ x 15½ x 12¾ in; 23 lb ..... \$650/pr

## SL230 3-Way Subwoofer/Satellite System

Satellite contains 3½-inch injection-molded midrange driver and ¼-inch ferrofluid-cooled dome tweeter; subwoofer utilizes two down-firing, slot-loaded 6-inch drivers. Crossover features film capacitors and protection circuits for satellites. Power handling 100 watts continuous; FR 50-20,000 Hz; sens 88 dB SPL/W/m; crossover points 200 and 3,000 Hz. Satellites finished in oak veneer, subwoofer in black vinyl. Satellites: 4¾ x 8¾ x 4¾ in; subwoofer: 13 x 21 x 6¼ in; 35 lb/sys. .... \$600/sys

## SNELL

### Type A-III 4-Way Speaker

Floor-standing, acoustic-suspension speaker with curved baffle to eliminate diffraction, mechanically isolated midrange enclosure, floor-loaded woofer, and rear-loaded supertweeter for accurate room response. Hand-adjustment of crossover values for specific drivers assures acoustic performance virtually identical to reference speaker. Features 12-inch high-power long-excursion mass-loaded mechanically-isolated cone woofer; 5-inch mechanically-isolated cone midrange; 1-inch individually adjusted controlled-dispersion dome tweeter; ¼-inch low-mass ferrofluid-cooled dome supertweeter. Dual gold-plated inputs allow biwiring or biamping with or without electronic crossover. Power handling 250 watts rms; FR 24-26,000 Hz ± 3 dB, 38-18,000 Hz ± 1 dB; nominal impedance 8 ohms; crossover points 275, 2,700, 10,000 Hz. Hand-sanded, hand-rubbed matching oak, dark oak, walnut, or black-finished veneers. 23½ x 50¼ x 14 in; 160 lb .. \$4,680/pr

### Type C-III 3-Way Speaker

Floor-standing, bass-reflex speaker system. Features 10-inch long-throw woofer; 5-inch midrange; 1-inch aluminum-dome tweeter; ¼-inch switchable rear tweeter; 4th-order 24 dB/octave filters; biwirable or biampable. Power handling 250 watts rms; FR 34-22,000 Hz ± 3 dB; sens 88.5 dB SPL/W/m; nominal imp 8 ohms; crossover points 275, 2,700 Hz. Hand-sanded, hand-rubbed matching oak, dark oak, walnut, or black-finished veneers. 14½ x 46 x 11¼ in; 95 lb each ..... \$1,990/pr

### LCR-500 2-Way Speaker

Features two 6½-in cast frame polypropylene woofers and two ¼-in aluminum-dome shielded tweeter. Designed for front placement in home theater systems; utilizes a special driver configuration to limit horizontal directivity and maximize voice intelligibility. FR 80-20,000 Hz; imp 8 ohms. High-gloss black-veneer finish. 9½ x 22 x 7 in; 35 lb ea. .... \$1,598/pr

### SUR-500 2-Way Speaker

Compact dipole speaker features two 6½-in cast frame, polypropylene woofers, and two 1-in aluminum-dome tweeters. Suitable for surround channel in home theater system. Produces an enveloping, nonlocalized surround field through use of driver application and separate rear and front responses. Power handling 150 watts continuous; frequency response 125-20,000 Hz; impedance 4 ohms. High-gloss-black veneer finish. 9½ x 16½ x 7 in; 60 lb/pr. .... \$1,598/pr

### Type E/III 2-Way Speaker

Floor-standing bass-reflex speaker with 8-inch polymer-treated woofer, 1-inch soft-dome tweeter, and ultra-low-mass, ¼-inch ferrofluid-cooled, rear-loaded dome supertweeter designed for flat early-arrival of sound and accuracy of listening-room response. Hand-adjusted crossover for specific drivers assures acoustic performance virtually identical to reference speaker. Dual gold-plated inputs allow biwiring or biamping. Features rear-loaded port for optimum low-frequency room loading. Power handling 150 watts rms; FR 39-20,000 Hz ± 1.75 dB; sens 91 dB SPL/W/m; nom imp 6 ohms; crossover points 2,700 Hz. Oak, dark oak, walnut, and black-finish veneer. 13 x 35 x 11 in; 50 lb ea ..... \$990/pr

### Type Q 2-Way Speaker

2-way bookshelf speaker designed for stand placement. Each speaker individually adjusted to match a reference speaker within a fraction of a dB. Features 6½-inch polypropylene cone woofer; 1-inch rear-firing textile-dome tweeter and a ¼-inch rear-firing tweeter; flush grille to eliminate diffraction. Power handling 150 watts rms; FR 75-20,000 Hz ± 3 dB; sens 86 dB SPL/W/m; nom imp 8 ohms; crossover point 2,200 Hz. Oak, dark oak, walnut, or black-finished veneers. 10½ x 15½ x 6¼; 23 lb, 8 oz ea. .... \$780/pr

**Type Q Stand.** Speaker stand designed for use with Type Q speakers. Bolts directly to Type Q's. Can be mass-loaded with sand or lead and incorporate spikes on the bottom. Black-finished veneer. 32 in high; 20 lb/pr ..... \$120/pr

### Type J/III 2-Way Bookshelf Speaker

Bass-reflex speaker designed to maximize accuracy of early-arrival sound and listening-room response. Hand-adjusted crossover values. Features 8-inch polymer-treated curvilinear cone woofer; 1-inch soft-dome tweeter; dual gold-plated inputs for optional biwiring and biamping. Power handling 150 watts rms; FR 49-20,000 Hz ± 2 dB; sens 91 dB SPL/W/m; nom imp 6 ohms; crossover point 2,700 Hz. Oak, dark oak, walnut, and black-finished veneer. 13 x 23 x 10 in ..... \$650/pr

**Type J Stand.** Speaker stand designed for use with Type J speakers. Can be mass-loaded with sand or lead and incorporate spikes on the bottom. Black-finished veneer. 15 lb/pr .. \$98/pr

### Type K-II 2-Way Bookshelf Speaker

Acoustic-suspension speaker with 8-inch polypropylene woofer and one ¼-inch ferrofluid cooled soft-dome tweeter. Hand-adjusted crossover values. Dual inputs for optional biwiring or biamping. Power handling 100 watts rms; FR 70-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m; nom imp 8 ohms; crossover point 2,700 Hz. Oak, dark oak, walnut, or black-finish veneer. 11 x 18 x 9 in; 26 lb each ..... \$465/pr

**Type K Stand.** Speaker stand designed for use with Type K speakers. Can be mass-loaded with sand or lead and incorporate spikes on the bottom. Black veneer. 15 lb ..... \$98/pr

### Subwoofer

#### SUB-500 Subwoofer

Shielded subwoofer features a 10-in cast frame woofer. Fourth-order bass-reflex enclosure tuned to 22 Hz. FR 20-80 Hz; imp 8 ohms. Gloss-black veneer. 18¼ x 23 x 15 in; 60 lb... \$499/ea

## SONANCE

All Sonance speakers are flush-mount, in-wall type.

### Sonance 45 2-Way Speaker

8-in polypropylene woofer and 1-in soft-dome

tweeter. Features woofer with butyl rubber surround, cast frame, and treated-fabric dust cap. Tweeter with acoustic chamber and pole piece. 4th-order crossover at 2,700 Hz with 24 dB/oct. Bessel slopes, realized with low-loss capacitors and high-current chokes. Power handling 5-100 W; FR 35-22,000 Hz ± 2 dB; sens 90 dB; imp 8 ohms. Available in white ABS with choice of cloth or metal grille, new construction, or retrofit brackets. 12 x 16 x 3½ in. 12 lb ..... \$650/pr

### Sonance 40 2-Way Speaker

8-in polypropylene woofer and 1-in soft-dome tweeter. Features woofer with treated urethane surround and protective screens on basket windows; three-position level control on tweeter. Power handling 5-75 W; FR 40-20,000 Hz ± 3 dB; sens 89 dB; crossover 18 dB/oct at 2,800 Hz; imp 8 ohms. Available in white ABS with choice of cloth or metal grille, new construction, or retrofit bracket. 12 x 16 x 3½ in. \$499/pr

### PSW2 Subwoofer

Subwoofer with 2-channel dual-voice coil 8-inch driver. Features crossover with 3-position level control. FR 30-125 ± 3 dB; power handling 25-75 W; sens 87 dB SPL/W/m; nom imp 6 ohms; crossover point 125 Hz. White with cloth or metal grilles. 12 x 16 x 3½ in; 14 lb .... \$450 ea

### Sonance IIIc 2-Way Speaker

6½-in polypropylene woofer and 1-in soft-dome tweeter. Features woofer with treated urethane surround and protective screens on basket windows; two-position level control on tweeter, crossover 12 dB/oct at 3,000 Hz. Power range 5-75 W; FR 45-20,000 ± 2 dB; sens 89 dB; imp 8 ohms. Available in white ABS with choice of cloth or metal grille, new construction, or retrofit bracket. 9 x 12 x 3¼ in; 9 lb. .... \$375/pr

### M30 2-Way Speaker

4-inch polypropylene woofer and 1-in polycarbonate, ferrofluid-damped proprietary dome tweeter. Power handling 5-75 watts; FR 70-20,000 Hz ± 2 dB; sens 86 dB SPL/W/m; nom imp 8 ohms; crossover point 4,500 Hz. White with metal or cloth grille ..... \$300/pr

### Sonance SB30 2-Way Speaker

Mini speaker with 4-in woofer and 1-in tweeter in molded Noryl enclosure. Features 4-in low-resonance woofer with polypropylene cone and urethane surround. Tweeter has impregnated fabric dome. Supplied with nail-hanger mount, and fitted for optional pivot or C brackets. FR 75-20,000 Hz ± 2 dB; imp 6 ohms; crossover 12 dB/oct at 3,500 Hz; sens 87 dB. 5½ x 8½ x 5¼ in ..... \$299/pr

### Sonance II 2-Way Speaker

6½-in polypropylene woofer and 1-in proprietary tweeter. Woofer features treated urethane surround and protective screens on basket windows; tweeter is ferrofluid damped with polycarbonate diaphragm. Power handling 5-80 W; FR 55-20,000 Hz ± 3 dB; sens 90 dB; imp 8 ohms; crossover 6 dB/oct at 3,200 Hz. Available in white ABS with choice of cloth or metal grille, new construction, or retrofit bracket. 9 x 12 x 3¼ in; 8 lb ..... \$245/pr

### Sonance IA 2-Way Speaker

6½-in polypropylene woofer and 2-in cone tweeter. Mounts in same bracket system as Sonance IIIc and Sonance 2. Power handling 3-35 watts; frequency response 70-17,000 Hz ± 5 dB; sensitivity 89 dB; crossover is 6 decibels per octave at 3,000 Hz; impedance 8 ohms. Available in white ABS with choice of cloth or metal grille, new construction, or retrofit bracket. 9 x 12 x 3 in ..... \$185/pr

# SPEAKERS

## Sonance SB10 Speaker

4-in full-range polypropylene driver with paper whizzer. Features rugged, weather-resistant enclosure. FR 90-15,000 Hz  $\pm$  5 dB; sens 85 dB; imp 8 ohms. Available with choice of double-knit or metal grille. 5 1/2 x 8 1/2 x 5 1/4 in. . . \$150/pr

## Sonance M10 Speaker

4-in full-range polypropylene speaker. Driver features urethane surround and paper wizzer for extended range. Mounts into same bracket as Sonance M30. FR 75-15,000 Hz  $\pm$  5 dB; imp 8 ohms; power handling 3-45 W; sens 87 dB. Available in white ABS with choice of cloth or metal grille, new construction, or retrofit brackets. 6 1/2 x 9 1/4 x 2 1/2 in. . . \$130/pr

## In-Wall Subwoofer Systems

### SAM1 Powered Subwoofer

Down-firing 15-in woofer in compact enclosure. Stand-alone module features driver with heavy doped pulp cone, butyl edge, and long-throw voice coil. FR 26-50, 75 or 100 Hz  $\pm$  3 dB, set at VCA1 amplifier; imp 4 ohms; sens 94 dB. Available in white or black woodgrain vinyl with matching grill cloth on toe-kick. 15 x 19 1/2 x 19 1/2 in. . . \$399 ea

### ASW1 Powered Subwoofer

Subwoofer module for use with dedicated circuitry in VCA1 amplifier. Features 8-inch cast-frame dual voice-coil driver; selectable 50, 75, 100 Hz crossover points. FR 20-100  $\pm$  2 dB; sens 87 dB SPL/W/m; nom imp 8 ohms. White with cloth or metal grille. 9 x 16 x 3 1/2 in; 15 lb \$260 ea  
**VCA1 Remote-Control 60-W/ch Amplifier.** 3-channel integrated amplifier for above, and SAM1 subwoofer. Features active bass-boost circuitry; amplifier protection system; 3 selectable roll-off frequencies. 60 watts/ch into 8 ohms with 0.05% THD 100 watts/ch into 4 ohms with 0.05% THD; FR 20-20,000 at rated power +0 dB, -0.2 dB; IM 0.025% at 1 watt to rated power. 3 1/2 x 16 1/4 x 13 1/4 in; 30 lb . . . \$815

## SONY

### SRS-D3K Powered Subwoofer/Satellite System

Features separate subwoofer; 25 W amp max power; shielded. Bass, volume, and balance controls. FR 20-20,000 Hz. Satellites: 3 1/2 x 3 3/4 x 3 1/4 in; subwoofer 6 x 17 1/4 x 10 1/2 in. . . \$300

### SRS-200 Powered Speakers

Features 27 W/ch amp; shielded. Bass, volume and balance controls. FR 45-20,000 Hz. 8 1/2 x 20 x 13 1/2 in. . . \$300

### SRS-170 Powered Speakers

Features 15 W/ch amp; shielded. Volume control; input selector switch. FR 45-20,000 Hz. 5 1/4 x 8 7/8 x 6 1/2 in. . . \$250

### SRS-150 Powered Speakers

Features 20 W/ch max amp; shielded. FR 45-20,000 Hz. 5 1/4 x 8 x 7 1/2 in. . . \$200

### SRS-77G Powered Speakers

Features 5 W/ch amp; water-resistant design. Volume control. FR 100-20,000 Hz. 4 1/4 x 7 3/4 x 5 1/2 in. . . \$200

### SRS-67 Powered Speakers

Features 5 W/ch amp; shielded. Volume control. FR 80-20,000 Hz. 4 1/4 x 7 1/4 x 5 1/2 in. . . \$180

### SRS-57 Powered Speakers

Features 3 W/ch amp; shielded. Volume control. FR 100-20,000 Hz. 2 1/2 x 7 3/4 x 5 in. . . \$130

### SRS-55 Powered Speakers

Features 3.5 W/ch amp; shielded. Volume and

bass-boost controls. FR 100-20,000 Hz. 5 1/2 x 7 x 7 1/2 in. . . \$100

### SRS-37 Powered Speakers

Features built-in amp. Volume control. FR 180-20,000 Hz. 3 1/2 x 5 1/2 x 3 3/4 in. . . \$80

### SRS-27 Powered Speakers

Features built-in amp. FR 250-20,000 Hz. 2 1/2 x 4 3/4 x 1 1/4 in. . . \$50

### SRS-17 Powered Speakers

Features built-in amp. FR 300-20,000 Hz. 2 1/4 x 3 3/4 x 2 1/2 in. . . \$40

### SRS-8 Speakers

Features 50-mm drivers. 3 3/8 x 5 x 3 1/4 in. . . \$20

### SRS-5 Speakers

Connects to headphone jack of portable components. 2 1/4 x 6 1/2 x 9 1/2 in. . . \$10

## SOTA INDUSTRIES

### Panorama 2-Way Speaker

7-inch woofer; 1-inch hard-dome tweeter. Features bass extension of 45 Hz  $\pm$  3 dB; truncated pyramid enclosure; 1 1/4-inch walls; hard/soft structural damping on woofers. Maximum power handling 150 watts/ch; FR 45-22,000 Hz  $\pm$  3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover point 3,200 Hz. 12 x 18 x 6 in; 35 lb. Oak finish. . . \$1,595/pr  
 Brazilian rosewood, ebony . . . \$1,895/pr  
 Blackwood . . . \$1,795/pr  
**Bass Extender Module.** Oak finish . . . \$1,995/pr

## SOUND DYNAMICS

### TI Series

#### SD 500ti 3-Way Speaker

Floor-standing bass-reflex design with two 8-in carbon filled polypropylene woofers, 4 1/2-in polypropylene-cone midrange, and 1/2-in titanium-dome tweeter. Biwireable and biampable; adjustable spiked feet are provided. Power handling 275 W cont; FR 27-22,000 Hz  $\pm$  2 dB; sens 89 dB; crossover at 1,000 Hz and 3,000 Hz; imp 6 ohms. Black-ash or oak finish . . . \$1,050/pr

#### SD 400ti 3-Way Speaker

Floor-standing bass-reflex design with 10-in carbon-filled polypropylene woofer, 4 1/2-in polypropylene-cone midrange, and 1/2-in titanium-dome tweeter. Biwireable and biampable; adjustable spiked feet are provided. Power handling 250 W cont; FR 30-22,000 Hz  $\pm$  2 dB; sens 88 dB; crossover point 900 Hz and 3,000 Hz; imp 6 ohms. Black-ash or oak finish. 13 x 33 x 11 in. . . \$800/pr

#### SD 300ti 3-Way Speaker

Floor-standing bass-reflex design with 8-in carbon-filled polypropylene woofer, 4 1/2-in polypropylene-cone midrange, and 1/2-in titanium-dome tweeter. Power handling 175 W cont; FR 34-22,000 Hz  $\pm$  2 dB; sens 87 dB; crossover point 900 Hz and 3,000 Hz; imp 6 ohms. Black-ash or oak finish. 11 x 24 x 11 in. . . \$600/pr  
 SST-13. 13-in stand for the above . . . \$100/pr

#### SD 200ti 2-Way Bookshelf Speaker

Bass-reflex design with 8-in carbon-filled polypropylene woofer, and 1/2-in titanium-dome tweeter. Power handling 150 W cont; FR 40-21,000 Hz  $\pm$  2 dB; sens 87 dB; crossover point 1,800 Hz; imp 6 ohms. Black-ash or oak finish. 11 x 20 x 9 in. . . \$450/pr  
 SST-21. 21-in stand for the above . . . \$120/pr

#### SD 100ti 2-Way Bookshelf Speaker

Bass-reflex, front-vented design with features

6 1/2-in carbon-filled polypropylene woofer, and 1/2-in titanium-dome tweeter. Power handling 125 W cont; FR 45-21,000 Hz  $\pm$  2 dB; sens 86 dB; crossover point 1,900 Hz; imp 6 ohms. Black-ash or oak finish. 10 x 16 x 9 in. . . \$300/pr  
 SST-25. 25-in stand for the above . . . \$130/pr

#### SD 50ti 2-Way Bookshelf Speaker

Bass-reflex, rear-vented design with features 5 1/2-in carbon-filled polypropylene woofer, and 1/2-in titanium-dome tweeter. Power handling 80 W cont; FR 55-20,000 Hz  $\pm$  2 dB; sens 85 dB; crossover point 2,000 Hz; imp 6 ohms. Black-ash or oak finish. 7 x 12 x 8 in. . . \$200/pr  
 SST-25. 25-in stand for the above . . . \$130/pr

## SPEAKERLAB

### Auricle 57 3-Piece Speaker System

Two 8-in band-pass woofers, 5-in x 57-in planar dipole ribbon midrange, and 5-in x 57-in planar dipole ribbon tweeter. Min power 30 W; FR 23-20,000 Hz; sens 90 dB SPL/W/m; crossover point 150 Hz; nom imp 8 ohms. Oiled oak finish; black knit grille. 13 x 71 x 6 in; 35 lb. . . \$1,800/sys

### DAS Super 7 3-Way Speaker

Two 12-in woofers, two 6 1/2-in cone midranges, and four 1-in dome tweeters in infinite-baffle enclosure. Min power 30 W; FR 25-21,000 Hz; sens 94 dB SPL/W/m; crossover points 700, 3,500 Hz; nom imp 8 ohms. Oiled oak finish; black knit grille. 14 x 39 x 16 in; 105 lb \$1,600/pr

### Auricle 38 3-Way Speaker

8-in woofer, 5-in x 38-in planar dipole ribbon midrange, and 5-in x 38-in planar dipole ribbon tweeter. Min power 30 W; FR 23-20,000 Hz; sens 88 dB SPL/W/m; crossover point 150 Hz; nom imp 8 ohms. Oiled oak finish; black knit grille. 13 x 71 x 16 in; 60 lb . . . \$1,200/pr

### DAS 7 4-Way Speaker

12-in and 10-in woofers, 6 1/2-in cone midrange, and 1-in dome tweeter in bass-reflex enclosure. Min power 20 W; FR 25-20,000 Hz; sens 93 dB SPL/W/m; crossover points 180, 350, 4,000 Hz; nom imp 4 ohms. Oiled oak finish; black knit grille. 14 x 39 x 16 in; 86 lb . . . \$1,018/pr  
 Kit . . . \$729/pr

### DAS 6 3-Way Speaker

8-in and 10-in woofers, and 1-in dome tweeter in bass-reflex enclosure. Min power 10 W; FR 30-20,000 Hz; sens 93 dB SPL/W/m; crossover points 180, 2,500 Hz; nom imp 4 ohms. Oiled oak finish; black knit grille. 12 x 36 x 14 in; 62 lb . . . \$818/pr  
 Kit . . . \$600/pr

### ST5 3-Way Speaker

Two 8-in woofers, 6 1/2-in cone midrange, and 1-in dome tweeter in bandpass enclosure. Min power 40 W; FR 20-21,000 Hz; sens 92 dB SPL/W/m; crossover points 150, 3,000 Hz; nom imp 4 ohms. Oiled oak finish; black knit grille. 12 x 42 x 14 in; 75 lb . . . \$799/pr

### ST4 3-Way Speaker

8-in woofer, 5-in cone midrange, and 1/2-in dome tweeter in bandpass enclosure. Min power 40 W; FR 25-20,000 Hz; sens 89 dB SPL/W/m; crossover points 150, 3,000 Hz; nom imp 8 ohms. Oiled oak finish; black knit grille. 10 x 37 x 12 in; 60 lb . . . \$650/pr

### DAS 5 3-Way Speaker

6 1/2-in and 8-in woofers, and 1-in dome tweeter in bass-reflex enclosure. Min power 10 W; FR 34-20,000 Hz; sens 92 dB SPL/W/m; crossover points 180, 2,500 Hz; nom imp 4 ohms. Oiled oak finish; black knit grille. 11 x 31 x 13 in; 47

# SPEAKERS

lb ..... \$618/pr  
Kit ..... \$450/pr

## DAS Point Eight 3-Way Speaker

6½-in cone woofer, 3-in midrange, and 1-in dome tweeter in infinite-baffle enclosure. Min power 10 W; FR 42-21,000 Hz; sens 91 dB SPL/W/m; crossover points 800, 5,000 Hz; nom imp 4 ohms. Oiled oak finish; black knit grille. 8 x 21 x 10 in; 30 lb ..... \$518/pr

## ST3 3-Way Speaker

6½-in woofer, 5-in cone midrange, and ¾-in dome tweeter in bandpass enclosure. Min power 40 W; FR 30-20,000 Hz; sens 86 dB SPL/W/m; crossover points 150, 3,000 Hz; nom imp 4 ohms. Oiled oak finish; black knit grille. 9 x 33 x 11 in; 50 lb ..... \$499/pr

## DAS 4 2-Way Speaker

8-in woofer and ¾-in dome tweeter in bass-reflex enclosure. Min power 10 W; FR 36-20,000 Hz; sens 90 dB SPL/W/m; crossover point 2,500 Hz; nom imp 4 ohms. Oiled oak finish; black knit grille. 10 x 28 x 12 in; 39 lb ..... \$418/pr  
Kit ..... \$325/pr

## DAS 3 2-Way Speaker

6½-in woofer and ¾-in dome tweeter in bass-reflex enclosure. Min power 10 W; FR 42-20,000 Hz; sens 89 dB SPL/W/m; crossover point 2,500 Hz; nom imp 4 ohms. Oiled oak finish; black knit grille. 8 x 21 x 10 in; 23 lb ..... \$318/pr  
Kit ..... \$240/pr

## DAS 2 2-Way Speaker

5-in woofer and ¾-in dome tweeter in bass-reflex enclosure. Min power 10 W; FR 50-20,000 Hz; sens 88 dB SPL/W/m; crossover point 2,500 Hz; nom imp 8 ohms. Oiled oak finish; black knit grille. 7 x 13 x 9 in; 13 lb ..... \$228/pr  
Kit ..... \$189/pr

## SL3 2-Way In-Wall Speaker

6½-in woofer and ¾-in dome tweeter. Min power 10 W; FR 40-20,000 Hz; sens 90 dB SPL/W/m; crossover point 3,000 Hz; nom imp 8 ohms. White finish; white steel grille. 9 x 12 x 1 in; 5 lb ..... \$200/pr

## Subwoofers

### SL210 Subwoofer

Bandpass subwoofer system featuring two 10-in subwoofers. Min power 20 W; FR 22-150 Hz; sens 92 dB SPL/W/m; nom imp 4 ohms. Oiled oak finish. 16 x 18 x 26 in; 90 lb ..... \$499 ea

### SL88 Subwoofer

Bandpass subwoofer system featuring two 8-in subwoofers. Min power 10 W; FR 22-150 Hz; sens 91 dB SPL/W/m; nom imp 8 ohms. Oiled oak finish. 16 x 14 x 23 in; 70 lb ..... \$350 ea

### DAS/SW Subwoofer

10-in subwoofer in bass-reflex enclosure. Min power 10 W; FR 25-180 Hz; sens 91 dB SPL/W/m; nom imp 8 ohms. Oiled oak finish; black knit. 18 x 18 x 18 in; 62 lb ..... \$319 ea  
Kit ..... \$240 ea

## SPECO

### SP-602 2-Way Speaker

6-in polypropylene woofer, 1-in mylar tweeter. Power handling 50 W; FR 50-20,000 Hz; sens 90 dB; crossover point 3,000 Hz. 8¾ x 12 x 3¼ in, 4 lb ..... \$150 ea

### DMS-6 3-Way Speaker

5-in woofer with high temperature voice coil, 2-in cone tweeter, 1-in dome tweeter. Plastic wire-mesh grille. Power handling 60 W; FR 55-

22,000 Hz. Black finish. 6¾ x 8¾ x 5¼ in, 5 lb ea ..... \$140/pr

### DMS-3 3-Way Speaker

Mini-speaker with 4¾-in polypropylene woofer, 2-in cone midrange, and 1-in dome tweeter. Power handling 50 W; frequency response 55-20,000 Hz. Black or almond finish. 4½ x 7¼ x 4¾ in ..... \$108/pr

### DMS-3P 4-Way Speaker

Mini-speaker with 4¾-in polypropylene woofer, 2-in midrange, 2-in tweeter, and 1-in dome tweeter. Power handling 100 W; frequency response 55-20,000 Hz. Black or white finish. 4½ x 7¼ x 4¾ in ..... \$120/pr  
DMS-3TS. As above, but 2-in cone tweeter and dual built-in line transformer ..... \$90/pr

### DMS-2 2-Way Speaker

Mini-speaker with 3½-in polypropylene woofer, 2-in cone tweeter. Power handling 30 W/ch; FR 60-20,000 Hz. Black finish. 3¾ x 5¼ x 3¼ in ..... \$80/pr

### SP502 2-Way Speaker

5¼-in polypropylene woofer, ¾-in mylar tweeter. Power handling 30 W; FR 40-20,000 Hz; sens 90 dB; crossover point 2,500 Hz. 8¾ x 12 x 3¼ in, 3 lb ..... \$75 ea

## SPICA

### Angelus 2-Way Speaker

2-way mirror-imaged system with 8-inch plastic-cone midbass driver and 1-inch soft-dome tweeter. Features computer-optimized crossover; adjustable carpet spikes. FR 35-17,500 Hz ± 3 dB (90-15,000 Hz ± 1.5 dB); recommended power 50-200 watts; nominal impedance 8



Spica Angelus

ohms; crossover 3,400 Hz (-6 dB). Walnut or oak finishes. 21 x 46 x 10¼ in. 57 lb. \$1,275/pr

### TC-50 2-Way Bookshelf Speaker

Acoustic-suspension speaker with 6-inch cone woofer and 1-inch dome tweeter. Features triangular shape allowing system to be within 15° of absolute phase from 350-5,000 Hz. FR 58-

16,500 Hz ± 3 dB; power handling 25-50 watts, 100 watts peak; sens 83 dB SPL/W/m; imp 4 ohms. Available in oak, walnut, or black finishes. 13 x 15½ x 11¼ in. 21 lb each ..... \$550/pr

### SC-30 2-Way Bookshelf Speaker

Features 8-in woofer and 1½-in polypropylene-cone tweeter in a 1-cubic-foot sealed enclosure. Computer-optimized 3rd-order crossover-network; internal wiring by Striight Wire. Input terminals are 5-way binding posts. Power handling 100 W cont; frequency response 54-27,000 Hz - 3 dB. Walnut or black vinyl. 10 x 23 x 11¼ in; 28 lb ea ..... \$399

## SUMO

### Samson Bass-Reflex Subwoofer

Floor-standing subwoofer with 15-inch composite-cone woofer, 18.5-lb magnet assembly, 4-inch edge-wound copper voice coil; symmetrical magnetic-field motor structure. Solid 1-inch butcher-block oak top. FR 20-120 Hz ± 1 dB; power handling 1,000 watts cont; sens 91 dB SPL/W/m; imp 8 ohms ..... \$749

## SYMDEX

### Epsilon Signature 3-Way Speaker

Vented speaker with 10-inch Neoflex cone woofer, 7-inch dual-voice-coil Neoflex midrange, and 1-inch aluminum ferrofluid-cooled dome tweeter. Features cross-bracing; polypropylene capacitors; Symdex Omega internal wiring; computer matched within 0.5 dB. Power range 30-250 watts; FR 25-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms; crossover points 100 and 2,300 Hz. Available in oak or black lacquer formica. 13 x 48½ x 13 in ..... \$3,000/pr

### Gamma Signature 2-Way Speaker

Vented speaker with 7-inch dual-voice-coil Neoflex cone woofer and 1-inch aluminum ferrofluid-cooled dome tweeter. Features cross-bracing; polypropylene capacitors; Symdex Omega internal wiring; computer matched within 0.5 dB. Power range 30-150 watts; FR 45-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 2,300 Hz. Available in oak or black-lacquer formica ..... \$1,600/pr

## SYNTHESIS BY CONRAD-JOHNSON

### Reference Speaker System

Five-piece system with two subwoofer columns (each with two 10-inch woofers), two midrange/high-frequency units (with 7-inch midranges, 1-inch dome tweeters, leaf supertweeter); golden-oak finish; active crossover supplied. Power handling 250 W cont; FR 22-32,000 Hz ± 2 dB; sens 91 dB SPL/W/m; impedance 8 ohms. Subwoofer columns: 14 x 69 x 14 in; satellite: 10 x 44 x 10 in ..... \$7,350/sys

### LM 310 3-Way Speaker

10-inch woofer; 7-inch midrange; 1-inch dome tweeter. Light or dark oak cabinet with radiused hardwood edges. FR 25-20,000 Hz ± 2 dB; Power handling 200 W cont; sens 91 dB SPL/W/m; imp 8 ohms; 13¾ x 45½ x 14½ in; 70 lb ea ..... \$3,250/pr

### LM 260 2-Way Speaker

Features 8-inch polypropylene woofer and 1-inch dome tweeter in ported enclosure. Light or dark oak cabinet with radiused hardwood edges. Power handling 100 W cont; FR 41-20,000 Hz ± 2 dB; sens 91 dB SPL/W/m; imp 8 ohms; 12 x 39½ x 11 in.; 50 lb ea ..... \$1,695/pr

### LM 210 2-Way Speaker

Ported speaker with 6½-inch polypropylene

# SPEAKERS

woofer; 1-in dome tweeter. Light or dark oak cabinet with radiused hardwood edges. Power handling 80 W cont; FR 46-20,000 Hz  $\pm 2$  dB; sens 90 dB SPL/W/m; imp 8 ohms; 10 $\frac{1}{2}$  x 33 $\frac{1}{2}$  x 10 $\frac{1}{2}$  in. . . . \$1,195/pr  
**CM 205 2-Way Bookshelf Speaker.** Similar to above. FR 54-20,000  $\pm 3$  dB. 10 $\frac{1}{2}$  x 16 x 10 in; 20 lb ea. . . . \$1,195/pr

## TADDEO

### Domestic Monitor One 2-Way Speaker

Patented bass-loaded speaker with 6-inch polypropylene-cone woofer and 1-inch ferrofluid-cooled soft-dome tweeter. Features crossover with 1st-order slope; all wiring is discrete and uses heavy-gauge wire; all connections are hand-soldered with silver solder; 5-way binding posts. Power range 20-100 watts rms; FR 44-22,000  $\pm 3$  dB; sens 92 dB SPL/W/m; imp 8 ohms; crossover point 2,000 Hz. Natural or black oak. 9 x 40 $\frac{1}{2}$  x 10 $\frac{1}{2}$  in; 47 lb. . . . \$1,095/pr

### Domestic Subwoofer One

Patented stereo design. Internal passive crossover at 55 Hz with 8-in long-throw polypropylene woofers. Power handling 50-150 W; sens 92 dB SPL/W/m; imp 4 ohms. Natural or black-oak finish. 15 x 27 x 15 in; 52 lb. . . . \$995/pr

## TANNOY

### Prestige Series

#### Westminster 3-Way Speaker

Floor-standing, dual-concentric speaker with Sync-Source Time Alignment; compound horn enclosure; 15-inch cone woofer; 2-inch compression-horn tweeter. Power handling 200 watts rms; FR 18-20,000 Hz  $\pm 2$  dB; sens 96 dB SPL/W/m; imp 8 ohms; crossover points 300, 1,000 Hz. Walnut finish. 25 $\frac{1}{4}$  x 37 $\frac{1}{2}$  x 15 $\frac{1}{4}$  in; 253.5 lb ea. . . . \$11,000/pr

#### RHR 2-Way Speaker

Floor-standing, dual-concentric, high-compliance speaker with Sync-Source Time Alignment. Features rear folded-horn rectangular exponential section; direct-radiating front section; 250 watts maximum power handling; sens 92 dB SPL/W/m; nominal imp 8 ohms; FR 35-20,000 Hz  $\pm 4$  dB; hard-wired passive crossover point 1,000 Hz. Walnut finish. 27 $\frac{1}{2}$  x 48 $\frac{1}{2}$  x 22 $\frac{1}{2}$  in; 165.3 lb ea. . . . \$9,000/pr

#### Guy R. Fountain Memory 2-Way Speaker

Floor-standing, dual-concentric speaker with Sync-Source Time Alignment; quadruple-ducted-port enclosure; 15-inch cone woofer; 2-inch compression-horn tweeter. Power handling 200 watts rms; FR 29-20,000 Hz  $\pm 3$  dB; sens 95 dB SPL/W/m; nominal imp 8 ohms; crossover point 1,000 Hz. Walnut finish. 31 x 43 x 19 in; 136 lb ea. . . . \$7,000/pr

#### Edinburgh 2-Way Speaker

Floor-standing, dual-concentric speaker with Sync-Source Time alignment; distributed-port reflex enclosure; 12-inch cone woofer; 2-inch compression-horn tweeter. Power handling 180 watts rms; FR 30-20,000 Hz  $\pm 3$  dB; sens 92 dB SPL/W/m; imp 8 ohms; crossover point 1,200 Hz. Walnut finish. . . . \$5,500/pr

#### Stirling 2-Way Speaker

Floor-standing, dual-concentric speaker with Sync-Source Time Alignment; dual variable-distributed enclosure; 10-inch cone woofer; 2-inch compression-horn tweeter. Power handling 150 watts rms; FR 35-20,000 Hz  $\pm 3$  dB; sens 93 dB SPL/W/m; imp 8 ohms; crossover frequency 1,200 Hz. Walnut finish. 20 $\frac{1}{2}$  x 33 $\frac{1}{2}$  x 15 in; 48 lb, 8 oz each. . . . \$4,500/pr

### Series 90

#### DC3000 3-Way Speaker

Floor-standing speaker with coupling spikes. Features 8-inch dual-concentric driver; 8-inch woofer, driven below 400 Hz; slotted-port system. Biwired, gold terminals; cross-braced driver and cabinet; wired with van den Hul cable. Power handling 175 watts rms; frequency response 30-25,000 Hz  $\pm 3$  dB; sensitivity 92 dB SPL/watts per meter; impedance 6 ohms; crossover points 400 and 2,300 Hz. Black-ash or rosewood veneers. Dimensions: 6 $\frac{1}{2}$  x 22 $\frac{1}{4}$  x 7 $\frac{1}{2}$  in; 59 lb ea. . . . \$1,499/pr

#### J95 3-Way Speaker

Floor-standing speaker with coupling spikes. Features 8-inch polyolefin copolymer woofer, 8-inch polyolefin copolymer bass/mid driver, driven below 400 Hz, and a 1-inch aluminum-dome tweeter. Biwired, gold terminals; closed-box system; cross-braced driver and cabinet; van den Hul cable. Power handling 125 watts rms; frequency response 30-20,000 Hz  $\pm 3$  dB; sensitivity 90 dB SPL/W/m; nominal impedance 8 ohms; crossover points 400, 3,000 Hz. Black-ash or rosewood veneers. Dimensions: 6 $\frac{1}{2}$  x 22 $\frac{1}{4}$  x 7 $\frac{1}{2}$  in; 52 lb ea. . . . \$1,299/pr

#### DC2000 3-Way Speaker

Floor-standing speaker with coupling spikes. Features 8-inch dual-concentric driver; 8-inch woofer, driven below 400 Hz; closed-box system. Biwired, gold terminals; cross-braced driver and cabinet. Power handling 150 watts rms; FR 44-25,000 Hz  $\pm 3$  dB; sens 92 dB SPL/W/m; imp 6 ohms; crossover points 400, 2,300 Hz. Black-ash veneer. 6 $\frac{1}{2}$  x 17 $\frac{1}{2}$  x 6 $\frac{1}{2}$  in; 44 lb ea. . . . \$899/pr

#### J30 3-Way Speaker

Floor-standing speaker with coupling spikes. Features 8-inch polyolefin copolymer woofer, 8-inch polyolefin copolymer Auxiliary Bass Radiator (ABR), and 1-inch aluminum-dome tweeter; closed-box system. Biwired, gold terminal; cross-braced drivers and cabinet; wired with van den Hul cable. Power handling 110 watts rms; FR 40-20,000 Hz  $\pm 3$  dB; sens 90 dB SPL/W/m; nominal imp 8 ohms; crossover point 3,000 Hz. Black-ash or rosewood finish. 6 $\frac{1}{2}$  x 17 $\frac{1}{2}$  x 6 $\frac{1}{2}$  in; 35 lb ea. . . . \$799/pr

#### M20 2-Way Speaker

Floor-standing speaker with 8-inch polyolefin copolymer woofer, and 1-in aluminum-dome tweeter; ducted-port system. Biwired, gold terminals; cross-braced drivers and cabinet; wired with van den Hul cable. Power handling 100 watts rms; FR 48-20,000 Hz  $\pm 3$  dB; sens 89 dB SPL/W/m; nominal imp 8 ohms; crossover point 3,000 Hz. Black-ash or rosewood veneers. 6 $\frac{1}{4}$  x 12 $\frac{3}{4}$  x 5 $\frac{1}{2}$  in; 18.5 lb ea. . . . \$599/pr

#### DC1000 2-Way Speaker

8-inch dual-concentric driver; single-point source; rigidly braced driver; ducted-port system. Biwired, gold terminals. Power handling 120 W rms; frequency response 48-25,000 Hz  $\pm 3$  dB; sensitivity 90 dB SPL/W/m; nominal impedance eight ohms; crossover point 2,300 Hz. Black-ash or rosewood finish. 6 $\frac{1}{4}$  x 12 $\frac{3}{4}$  x 5 $\frac{1}{2}$  in; 18 lb ea. . . . \$599/pr

#### M15 2-Way Speaker

8-inch polyolefin copolymer woofer, and 1-in aluminum-dome tweeter; ducted-port system. Biwired. Power handling 100 watts rms; frequency response 48-20,000 Hz  $\pm 3$  dB; sensitivity 89 decibels SPL/W/m; nominal impedance eight ohms; crossover point 3,000 Hz. Black-ash or rosewood finish. 6 $\frac{1}{4}$  x 12 $\frac{3}{4}$  x 5 $\frac{1}{2}$  in; 15.5 lb ea. . . . \$499/pr

### E11 2-Way Speaker

Features 6 $\frac{1}{2}$ -inch polyolefin copolymer woofer, and 1-inch aluminum-dome tweeter; ducted-port system. Biwired. Power handling 90 watts rms; FR 20,000 Hz  $\pm 3$  dB; sens 88 dB SPL/W/m; nominal imp 8 ohms; crossover point 3,000 Hz. Black-ash finish. 5 $\frac{1}{4}$  x 9 $\frac{1}{4}$  x 5 $\frac{1}{2}$  in; 10.5 lb ea. . . . \$349/pr

### Comet Series

#### C-10 2-Way Speaker

10-inch polycone woofer; 1-inch dome tweeter; high-density particleboard cabinet. Power handling 125 watts rms; FR 47-20,000 Hz  $\pm 3$  dB; nominal imp 8 ohms; sens 91 dB SPL/W/m; crossover point 2,300 Hz. 12 x 24 x 11 $\frac{1}{2}$  in; 27 lb ea. . . . \$499/pr

#### C-8 2-Way Speaker

8-inch polycone woofer; 1-inch dome tweeter; high-density particleboard cabinet. Power handling 100 watts rms; FR 55-20,000 Hz  $\pm 3$  dB; nominal imp 8 ohms; sens 90 dB SPL/W/m; crossover point 2,400 Hz. 10 $\frac{1}{4}$  x 19 x 9 in; 17.5 lb ea. . . . \$399/pr

#### C-6 2-Way Speaker

Features 6 $\frac{1}{2}$ -inch polycone woofer;  $\frac{1}{4}$ -inch dome tweeter; high-density particleboard cabinet. Power handling 100 watts rms; FR 59-20,000 Hz; nominal imp 8 ohms; sens 87 dB SPL/W/m; crossover frequency 2,600 Hz. 8 x 11 $\frac{1}{2}$  x 8 $\frac{1}{2}$  in; 10 lb each. . . . \$299/pr

## TARA LABS

#### Timekeeper Model 2.0 2-Way Speaker

Infinite-baffle design with two ribbon tweeters; four midbass drivers. Power handling 30-200 W; FR 20-25,000 Hz; sens 86 dB; imp 7 ohms. Walnut, rosewood, and New Zealand Rimu finishes. . . . \$4,200/pr

#### Timekeeper Model 1.0 2-Way Speaker

Infinite-baffle design with two ribbon tweeters; two midbass drivers. Power handling 30-150 W; FR 20-25,000 Hz; sens 86 dB; imp 7 ohms. Walnut, rosewood, and New Zealand Rimu finishes. . . . \$2,850/pr

#### Timekeeper Model 0.5 2-Way Speaker

Infinite-baffle design with ribbon tweeter, midbass driver. Power handling 30-100 W; FR 20-25,000 Hz; sens 86 dB; imp 7 ohms. Walnut, rosewood, and New Zealand Rimu finishes. . . . \$1,495/pr  
 Optional white and black finishes . . . \$100/pr

## TC AUDIO

#### Model 1A Subwoofer/Satellite System

Sub 1A subwoofer and Sat 1A satellites. Includes S28 stands. Clear or black-satin lacquered-oak finish. . . . \$997 ea

#### 2 Subwoofer/Satellite System

Sub 2 black-finish subwoofer and Sat 2 satellites in clear or black-satin lacquered-oak finish. . . . \$738 ea

#### TC 55 3-Way Tower Speaker

10-in flared-neck copolymer-resin-cone woofer, 5-in treated midrange, and 1-in liquid-cooled dome tweeter. Features 10-in subwoofer radiator. Power handling 15-200 W rms; FR 30-20,000 Hz  $\pm 3$  dB; sens 91 dB SPL/W/m; imp 4 ohms. Oak cabinets. Clear or black-satin lacquered-oak finish. 32 x 13 x 13 $\frac{1}{2}$  in. . . . \$718/pr

#### TC 35 3-Way Speaker

Floor-standing speaker with 8-in flared-neck copolymer-resin-cone woofer, 5-in treated mid-

# SPEAKERS

range, and 1-in liquid-cooled dome tweeter. Power handling 15-200 W rms; FR 44-20,000 Hz  $\pm 3$  dB; sens 91 dB SPL/W/m; imp 4 ohms. Oak cabinets. Clear or black-satin lacquered-oak finish. 12 x 24 x 10 in ..... \$558/pr

## Sat 1A Satellite System

Two 5-in treated midranges and 1-in liquid-cooled dome tweeter. Power handling 20-200 W rms; FR 175-20,000 Hz  $\pm 3$  dB; sens 93 dB SPL/W/m; imp 4 ohms. Clear or black-satin lacquered-oak finish. 6 x 16 x 5 1/2 in ..... \$499 ea

## TC 30 2-Way Bookshelf Speaker

8-in flaired-neck copolymer-resin-cone woofer and 1-in liquid-cooled dome tweeter. Power range 15-150 W rms; FR 53-20,000 Hz  $\pm 3$  dB; sens 92 dB SPL/W/m; imp 4 ohms. Oak cabinets. Clear or black-satin lacquered-oak finish. 11 1/2 x 15 1/2 x 9 1/2 in ..... \$429/pr

## Sub 1A Subwoofer

10-in flaired-neck copolymer-resin-woofer and 10-in subwoofer radiator. Power handling 20-200 W rms; FR 32-175 Hz  $\pm 3$  dB; sens 93 dB SPL/W/m; imp 4 ohms. Clear or black-satin lacquered-oak finish. 16 x 17 1/2 x 17 1/2 in ..... \$399 ea

## Sat 2 Satellites

5 1/2-in poly midbass and 1-in liquid-cooled dome tweeter. Power handling 20-150 W rms; FR 175-20,000 Hz  $\pm 3$  dB; sens 92 dB SPL/W/m; imp 4 ohms. Clear or black-satin lacquered-oak finish. 6 1/2 x 9 1/2 x 5 1/2 in ..... \$399/pr

## Sub 2 Subwoofer

10-in dual coil copolymer-resin-cone woofer in 4th-order enclosure. Power handling 20-200 W rms; FR 32-175 Hz  $\pm 3$  dB; sens 92 dB SPL/W/m; imp 4 ohms. Clear or black-satin lacquered-oak finish. 16 x 18 x 16 in ..... \$339 ea

## TC 15 2-Way Bookshelf Speaker

6 1/2-in flaired-neck copolymer-resin-cone woofer and 2 1/2-in tweeter. Power handling 10-100 W rms; FR 58-19,000 Hz  $\pm 3$  dB; sens 92 dB SPL/W/m; imp 4 ohms. Oak cabinets. Clear or black-satin lacquered-oak finish. 10 x 12 x 7 in ..... \$279/pr

## TCS 10 2-Way Bookshelf Speaker

5 1/2-in polymer woofer and 2 1/2-inch liquid-cooled tweeter. Power handling 10-75 W rms; FR 65-19,000 Hz  $\pm 3$  dB; sens 93 dB SPL/W/m; imp 4 ohms. Finished in textured black. Includes brackets for wall-mounting. 6 1/2 x 11 1/2 x 8 1/2 in ..... \$229/pr

## Speaker Stands

\$28. 28-inch-high oak pedestals for SAT 1A, TC 15 or TC 30 ..... \$99  
\$15. 15-inch-high oak pedestals for TC 15, or TC 30 ..... \$59  
SSAO. Angled stands for TC 30 or TC 35 ..... \$39

## TDL

### Reference Standard 4-Way Speaker

Floor-standing, dual transmission-line bass, 6-sided speakers feature two 6-inch midranges loaded by their own transmission-line; two 12-inch x 8-inch woofers; two 1-inch tweeters mounted symmetrically in-line around the central 3/4-inch supertweeter; two sets of input terminals for bass and mid and upper frequencies. FR 16-35,000 Hz; minimum power 50 watts; imp 8 ohms; sens 87 dB/W/m; crossover points 200, 3,500, 13,000 Hz. Black or walnut finish. 14 x 30 3/4 x 12 1/2 in; 154 lb ..... \$6,995/pr

### Monitor 4-Way Speaker

Floor-standing, transmission-line design. Feature full transmission-line loading around 12-inch x 8-inch biradial woofer; solid polystyrene

diaphragm with glass-fiber reinforcing; 6-inch doped polymer-cone midrange; 1-inch magnesium-alloy metal-dome tweeter; 3/4-inch chemical-dome ferrofluid controlled supertweeter; magnets have vented poles; 2 pairs of input terminals for bass frequencies and for mid and high frequencies. FR 18-35,000 Hz; minimum power 40 watts; imp 8 ohms; sens 87 dB SPL/W/m; crossover points 300, 3,500, 13,000 Hz. Walnut with gold trim and brown grille, or black with silver trim and black grille. 7 1/2 x 29 3/8 x 11 1/4 in; 104 lb ..... \$4,595/pr

## Studio 3 2-Way Speaker

Transmission-line design. Features two doped Cobex cones, 8-inch vented-pole woofers; 1-inch magnesium-alloy, suspended metal-dome ferrofluid tweeter with separate rear chamber. FR 20-20,000 Hz; minimum power 30 watts; imp 8 ohms; sens 87 dB/W/m; crossover point 3,000 Hz. Walnut or black finish. 7 1/2 x 24 1/2 x 10 1/2 in; 59.5 lb ..... \$2,345/pr

Studio 2. Similar to Studio 3 except 1 Cobex cone woofer; FR 24-20,000 Hz; 6 1/4 x 22 1/2 x 9 1/2 in; 44.9 lb ..... \$1,845/pr

Studio 1. Similar to Studio 2. 6 1/2-inch bass/midrange unit. FR 28-20,000 Hz; sens 86 dB SPL/W/m. 5 1/2 x 18 1/2 x 8 1/2 in ..... \$1,445/pr

## Studio 0.5 2-Way Speaker

Transmission-line design. Features 5 1/2-in doped-polypropylene-cone woofer, phase plug, Kapton former, vented-pole magnet, and cast-alloy chassis; 1-in magnesium-alloy suspended metal-dome tweeter with ferrofluid-controlled separate rear chamber. Biwireable; biampable. Power handling 100 W cont; FR 30-20,000 Hz; sens 84 dB; crossover point 3,000 Hz; imp 6 ohms. Black finish; 59.5 lb ..... \$995/pr

## TEAC

### ST-X5 3-Way Speaker

Floor-standing acoustic-suspension speaker with 10-in polypropylene, carbon-filled cone woofer, 5-in polypropylene, carbon-filled cone midrange, and 3/4-in titanium-dome ferrofluid-cooled tweeter. Power handling 90 watts; imp 6 ohms; SPL 90 dB/W/m; crossover points 1,200, 6,000 Hz; FR 45-22,000 Hz  $\pm 3$  dB. 13 1/4 x 29 1/2 x 8 1/4 in; 29 lb ..... \$480/pr

### ST-X3 2-Way Bookshelf Speaker

Acoustic-suspension speaker with 8-in polypropylene, carbon-filled cone woofer and 3/4-in titanium-dome ferrofluid-cooled tweeter. Power handling 65 W; nominal imp 6 ohms; SPL 89 dB/W/m; crossover frequency 1,500 Hz; FR 55-22,000 Hz  $\pm 3$  dB. 11 1/2 x 19 1/2 x 7 1/2 in, 16 lb ..... \$300/pr

## TECHNICS

### SST-1 2-Way Horn Speaker

Twin-load horn speaker with 5 1/2-in cone woofer, 2-in horn tweeter. Features narrowed central chamber; computer-designed folded horn. Power handling 80 W; FR 55-20,000 Hz; imp 6 ohms. 22 1/2 x 25 1/2 x 7 1/2 in; 26.46 lb ..... \$1,250 ea  
SST-35 Hz. Subwoofer ..... \$2,500 ea  
SST-60 W. Amplifier for above ..... \$500 ea

### SB-CX700 3-Way Speaker

12-in Mica-cone woofer, 4-in midrange, 1-in Mica-dome tweeter, and 13-inch passive radiator. Features rigid nondiffractive cabinet; vertical in-line speaker alignment; tweeter attenuator; auto reset thermal relay protection for tweeter. Power handling 200 W, 100 W DIN; sens 90 dB SPL/W/m; FR 25-45,000 Hz (at 16 dB below average level); imp 6 ohms; crossover points 400 Hz and 3,500 Hz. 14 1/2 x 35 1/2 x 12 1/2 in; 51.8 lb ..... \$700/pr

### SB-CX500 3-Way Speaker

10-in Mica-cone woofer, 4-in midrange, 1-in Mica-dome tweeter, and 11-in passive radiator. Features vertical in-line speaker alignment. Power handling 150 W, 75 W DIN; sens 89 dB SPL/W/m; FR 28-45,000 Hz (at 16 dB below average level); imp 6 ohms; crossover points 500 Hz and 3,500 Hz. 12 1/2 x 32 1/4 x 12 1/4 in; 37 lb \$600/pr

### SB-C250 2-Way Speaker

Compact speaker with 7-inch crystallized Mica/polypropylene-cone woofer and 1-inch dome tweeter. Power handling 100 W, 9 1/2 x 14 1/2 x 8 in ..... \$330/pr

### SB-L80 3-Way Speaker

Bass-reflex speaker with 12-in cone woofer, 4-in cone midrange, 2 1/2-in cone tweeter. Features aluminum bobbins; heat-resistant voice coils; nonresonant dust cap. Power handling 150 W; FR 38-22,000 Hz; imp 8 ohms; crossover points 3,500 Hz and 5,000 Hz. 14 x 27 x 12 1/2 in; 23.8 lb ..... \$230/pr

### SB-CX300 2-Way Speaker

8-in Mica woofer, 1-in Mica-dome tweeter. Features rounded baffle; bass-reflex design. FR 38-45,000 Hz; imp 6 ohms; crossover point 1,500 Hz. 10 1/2 x 18 1/2 x 13 in; 17.2 lb ..... \$200 ea

### SB-L60 3-Way Speaker

Bass-reflex speaker with 10-in cone woofer, 4-in cone midrange, 2 1/2-in cone-tweeter. Features aluminum bobbins; heat-resistant voice coils; nonresonant dust cap. Power handling 120 W; FR 40-22,000 Hz; imp 8 ohms; crossover points 3,500 and 5,000 Hz. 12 1/4 x 25 1/2 x 10 1/2 in; 18.7 lb ..... \$180/pr

### SB-L40 2-Way Speaker

Bass-reflex speaker with 10-in cone woofer, 2 1/2-in cone-type tweeter. Features aluminum bobbins; heat-resistant voice coils; nonresonant dust cap. Power handling 100 W; FR 42-22,000 Hz; imp 8 ohms; crossover point 4,500 Hz. 12 1/4 x 23 x 9 in; 16.3 lb ..... \$130/pr

### SB-S25 2-Way Speaker

4-in cone woofer and 2-in cone tweeter. Simulated woodgrain cabinet; rounded baffle design. FR 68-22,000 Hz; output power 88 dB/W; power handling 40 W. 6 1/2 x 9 x 5 1/2 in ..... \$100/pr

## TERPSICHORE IMPORTS

### The Subwoofer

12-in paper-cone woofer; power handling 500 W; FR 15-200 Hz; sens 92 dB SPL/W/m. 15 x 24 x 72 in ..... \$2,500 ea

### QT-2 2-Way Speaker

7-in treated paper-cone woofer; 3/4-in dome tweeter. Power handling 150 W; FR 30-25,000 Hz  $\pm 3$  dB; sens 92 dB SPL/W/m. 10 x 46 x 15 in ..... \$2,500/pr

### Bifocal 2-Way Speaker

Two 8-in dual-voice-coil woofer. Power handling 150 W; FR 20-1,200 Hz  $\pm 3$  dB; sens 92 dB SPL/W/m. 20 x 41 x 10 1/4 in ..... \$2,400/pr

### QT-1 2-Way Speaker

5 1/2-in dual-voice-coil woofer; 3/4-in dome tweeter. Power handling 90 W; FR 35-25,000 Hz  $\pm 3$  dB; sens 90 dB SPL/W/m. 8 x 40 1/4 x 10 in ..... \$2,000/pr

## THIEL

### CS 5 Coherent Source 6-Way Speaker

Floor-standing speaker utilizing sloping baffle and electronic correction to achieve proper time alignment and synthesized first-order



# SPEAKERS

acoustic crossover system. Features three 8-inch woofers, 5-inch midrange driver, 2-inch upper midrange metal-dome drivers, and tweeter; three-dimensional marble/polymer composite casting baffle; driver diaphragms made of aluminum Kevlar or Kevlar/foam sandwich. Power handling 400 watts rms; FR 20-22,000 Hz  $\pm 1$  dB; sens 87 dB SPL/W/m; impedance 2 ohms. Teak, gloss-black laminate, rosewood, walnut, or oak finish. 13 x 64 x 17 in; 180 lb ea. .... \$9,200/pr

## CS 3.5 Coherent Source 3-Way Speaker

Floor-standing speaker with 10-inch cone woofer, 4-inch cone midrange, and 1-inch dome tweeter. Features complete time coherence via sloping baffle; complete phase coherence via synthesized first-order crossover system; 3-dimensional sculpted antidiffraction baffle; electronic bass equalizer; magnetic distortion-reducing drivers; cast-magnesium driver chassis; polypropylene crossover capacitors; 30-mm-thick cabinet panels; genuine wood veneer. Power handling 250 watts rms; FR 23-20,000 Hz  $\pm 2$  dB; sens 89 dB SPL/W/m; imp 4 ohms. Teak, oak, walnut, black, rosewood finishes. 13 x 42 x 13 in. 75 lb each .... \$2,650/pr

## CS 2 Coherent Source 3-Way Speaker

Floor-standing, ported speaker with 8-inch cone woofer, 3-inch cone midrange, and 1-inch dome tweeter. Time coherence achieved with sloping baffle; phase coherence achieved with synthesized first-order crossover networks. Features antidiffraction grille; cast-magnesium driver baskets; polypropylene crossover capacitors. Power handling 250 watts rms; FR 38-20,000 Hz  $\pm 2$  dB; sens 87 dB SPL/W/m; imp 6 ohms. Oak, walnut, black, rosewood, teak finishes. 12 x 39 x 12 in; 62 lb ea. .... \$1,650/pr

## CS 1.2 Coherent Source 2-Way Speaker

Floor-standing speaker with sloping baffle. Features metal-dome tweeter. Woofer features cast-magnesium chassis; polypropylene diaphragm; sculpted speaker grille. Power handling 150 watts rms; FR 52-18,000 Hz  $\pm 2$  dB; sens 87 dB SPL/W/m; impedance 8 ohms; heavy internal bracing. Finished with teak, walnut, oak, rosewood, or black laminate. 11 x 37 x 11 in. 47 lb each .... \$1,250/pr

## 3A AUDIO DESIGN BY EUROSOUND

### Audiophile Series

All Audiophile-series speakers use hyperexponential cone drivers which allows for a direct coupling of the woofer to the amplifier without crossover. Woofer is situated at the top of the front baffle with the tweeter below.

### Adagio 3-Way Speaker

100% carbon-woven cone subwoofer; soft-dome tweeter with back chamber; Medite front panel. FR 30-25,000 Hz  $\pm 3$  dB on axis, 30-20,000 Hz  $\pm 3$  dB at 30° off axis; power handling 160 W rms; sensitivity 94 dB; impedance 8 ohms .... \$1,299/pr

### Allegretto 2-Way Speaker

Hyperexponential 8-in woofer with double coating; soft-dome tweeter with back chamber; Medite front panel. FR 45-25,000 Hz  $\pm 3$  dB on axis, 45-20,000 Hz  $\pm 3$  dB at 30 degrees off axis; power handling 90 W rms; sens 92 dB; imp 8 ohms .... \$799/pr

### Andante 2-Way Speaker

Polypropylene woofer with distortion <0.5% at 94 dB; soft-dome tweeter; Medite front panel. FR 50-25,000 Hz  $\pm 4$  dB on axis, 50-20,000 Hz  $\pm 4$  dB at 30 degrees off axis; power handling 60

W rms; sens 90 dB; imp 4 ohms ..... \$599/pr  
**Triphonic Series**

### TR-100 Satellite/Subwoofer System

3-way triphonic system. 8-in woofer; dome tweeter; 4-in polypropylene midrange. Power handling 100 W/ch; FR 40-25,000 Hz .. \$1299 ea  
**TR-60** Similar to above ..... \$899 ea

### Les Masters Generation II

The Generation II Master Series uses hyperexponential carbon-fiber cone drivers.

### MSD 4-Way Speaker

Symmetrical loading uses two 8-in push-pull woofers; truncated pyramidal cabinet for deep bass reproduction without standing waves or vibrations; two 4-in midrange drivers; ferrofluid-damped soft-dome tweeter. Power handling 180 W rms; FR 30-25,000 Hz; sens 89 dB; imp 4 ohms ..... \$3,999  
**MSS**. Similar to above ..... \$3,999

### M3 3-Way Speaker

Carbon-woven woofer with vitrified surround; soft-dome tweeter with back chamber. Power handling 120 W rms; FR 30-25,000 Hz; sens 92 dB; imp 8 ohms ..... \$1,999

### M1 2-Way Speaker

Carbon-woven woofer with vitrified surround; soft-dome tweeter with back chamber. Power handling 100 W rms; FR 40-25,000 Hz; sens 92 dB; imp 8 ohms ..... \$1,299

### MM 2-Way Speaker

Carbon-woven with vitrified surround; soft-dome tweeter with back chamber. Power handling 80 W rms; FR 50-25,000 Hz; sens 91 dB; imp 8 ohms ..... \$1,099

## TRIAD SPEAKERS

### System Seven Woofer/Satellite System

Consists of System Seven Satellite and System Seven Woofer. Features 1-inch ferrofluid-cooled dome tweeter and 5-inch cast-basket, treated paper-cone midrange for each satellite; 12-inch polypropylene-cone woofer for the woofer system with built-in 70-W (into 8 ohms) amplifier. Satellites: power handling 100 watts continuous; FR 140-20,000 Hz  $\pm 2$  dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. Woofer: FR 28-110 Hz  $\pm 3$  dB; input imp of speaker level 1,000 ohms; input imp of line level 47 kilohms. Black, white, and exotic veneer available at extra cost. Satellite: 5½ x 10 x 5½ in. Woofer: 13 x 13 x 13 in ..... \$1,000/sys  
**System Seven Satellites** ..... \$500/pr  
**System Seven Woofer** ..... \$500 ea  
**System Seven Stands**. 28 in high. Spike feet. Black or white finish ..... \$100/pr

### System Six Woofer/Satellite System

Consists of System Six Satellite and System Six Woofer. Features ¼-inch ferrofluid-cooled mylar-dome tweeter and 3½-inch treated paper-cone midrange for each satellite; 8-inch polypropylene-cone woofer for the woofer system with built-in 70-W (into 8 ohms) amplifier. Satellite: power handling 70 watts cont; FR 165-20,000 Hz  $\pm 2$  dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 3,200 Hz. Woofer: frequency response 40-140 Hz  $\pm 3$  dB; input impedance of speaker level 1,000 ohms; input impedance of line level 47 kilohms. Black, white, and exotic-veneer finish available at extra cost. Satellite: 4 x 7 x 4 in. Woofer: 10¼ x 10¼ x 10¼ in ..... \$750/sys  
**System Six Satellites** ..... \$300/pr  
**System Six Woofer** ..... \$300 ea  
**System Six Stands**. 27 in high. Spike feet. Black or white finish ..... \$70/pr

## In-Wall Speakers

### System Seven In-Wall Woofer/Satellite System

Consists of In-Wall System Seven Satellite and In-Wall System Seven Woofer. Features 1-in ferrofluid-cooled, fabric-dome tweeter, 5-in cast basket, treated paper-cone midrange for satellite. 12-inch polypropylene-cone woofer with built-in 70-W amplifier for the woofer unit. Satellite: power handling 100 W continuous; FR 120-20,000 Hz; sens 89 dB SPL/W/m; nom imp 6 ohms; crossover point 2,500 Hz. Woofer: FR 38-120 Hz  $\pm 3$  dB; nom imp 8 ohm. Satellite: 7¼ x 10¼ x 4 in. Woofer: 14¼ x 19¼ x 6 in. \$900/sys  
**System Seven In-Wall Woofer** ..... \$450 ea

### System Six In-Wall Woofer/Satellite System

Consists of In-Wall System Six Satellite and In-Wall System Six Woofer. Features ¼-inch ferrofluid-cooled mylar-dome tweeter, 3½-inch treated-paper-cone midrange for satellite. 8-inch polypropylene-cone woofer with built-in 70-W amplifier for woofer. Satellite: power handling 50 watts cont; FR 160-20,000 Hz; sens 89 dB SPL/W/m; nom imp 6 ohms; crossover point 3,200 Hz. Woofer: FR 42-160 Hz  $\pm 3$  dB; nom imp 8 ohm. Satellite: 5¼ x 7¼ x 4 in. Woofer: 14¼ x 14¼ x 4 in ..... \$600/sys  
**System Six In-Wall Woofer** ..... \$300

## VANDERSTEEN

### Model 4A 5-Way Powered Speaker

Floor-standing speaker includes dedicated WX-4 electronic crossover and two amplifiers in biamp mode. Features two 12-in diecast baskets with subwoofers mounted in tandem push-pull configuration; 8-in diecast basket with curvilinear woofer; 4½-in diecast basket, linear-surround and curvilinear polycone midrange with ferrofluid voice-coil cooling; 1½-in textile-dome tweeter with ferrofluid voice-coil cooling and vented pole piece; ¼-in poly-dome tweeter with ferrofluid voice coil cooling. Utilizes Fast Fourier Transform analysis during all stages of assembly. Power handling (upper section) 70-150 W into 8 ohms, (subwoofer) 200-400 W into 4 ohms; FR 26-30,000 Hz  $\pm 3$  dB; sens 88 dB SPL/W/m; imp (upper section) 8 ohms, (subwoofer) 4 ohms; crossover frequencies 80 Hz, 600 Hz, 5,000 Hz, 13,000 Hz. 18 x 52 x 17 in; 150 lb ..... \$4,250/pr

### Model 3 3-Way Speaker

Floor-standing speaker featuring 10-in diecast basket with curvilinear cone-acoustic coupler; 8-in diecast basket with curvilinear polycone woofer; 4½-in diecast basket, curvilinear polycone with ferrofluid voice-coil cooling; 1-in critically damped, metal-alloy, dual-chamber dome tweeter with ferrofluid voice-coil cooling. Utilizes Fast Fourier Transform analysis during all stages of assembly. Biwireable. Power handling 100-200 W into 8 ohms; FR 26-30,000 Hz  $\pm 3$  dB; sens 88 dB SPL/W/m; imp 4 ohms; crossover frequencies 600 Hz, 5,000 Hz. 16 x 48 x 10¼ in 97 lb ..... \$2,395/pr

### Model 2W Powered Subwoofer

Features three 8-in long-fiber cone woofers with butyl rubber surrounds; 300-W amplifier with adjustable sensitivity to match main speakers with 82 dB to 94 dB efficiency; utilizes Fast Fourier Transform analysis during all stages of assembly; second order, slot loaded; 0.5 Q; pulse overshoot <½ cycle, -3 dB at 24 Hz and 80 Hz. Crossover point 80 Hz. 18 x 18½ x 17 in; 90 lb ..... \$1,250 ea

### Model 2Ci 3-Way Speaker

Floor-standing speaker featuring 10-in long-fiber cone-acoustic coupler; 8-in diecast basket with curvilinear polycone woofer; 4½-in die-

# SPEAKERS

cast basket, linear surround, curvilinear polycone with ferrofluid voice-coil cooling; ¼-in critically damped, metal-alloy, dual-chamber dome tweeter with ferrofluid voice-coil cooling. Utilizes Fast Fourier Transform analysis during all stages of assembly. Biwireable. Power handling 40-160 W; FR 28-29,125 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 7 ohms; crossover frequencies 600 Hz, 5,000 Hz. 16 x 36½ x 10¼ in; 63 lb ..... \$1,195/pr

## Model IB 2-Way Speaker

Floor-standing speaker featuring 8-in die-cast basket with curvilinear polycone woofer and 1-in dual-chamber polymer-dome tweeter. Woofer system includes rear slot-loading with 4th-order filter. Utilizes Fast Fourier Transform analysis during all stages of assembly. Power handling 20-100 W; FR 38-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6.8 ohms; crossover point 2,800 Hz. 12 x 36 x 10 in; 50 lb... \$650/pr

## VECTOR RESEARCH

*All Vector Research speakers feature anti-resonant one-piece woofer baskets; soft-dome tweeters; bass-reflex design; 8-ohm impedance; light-oak finish.*

### VSP-230 Subwoofer/Satellite System

2-way satellite uses 3½-in shielded woofer; 2½-in tweeter. Power handling 15-75 W; FR 140-20,000 Hz; imp 8 ohms; sens 89 dB W/m. 4¾ x 8¼ x 4½ in. 2.75 lb. Bass module uses 8-in woofer. Power handling 25-125 W; imp 6 ohms; sens 90 dB W/m; FR 28-150 Hz. 5¼ x 12¼ x 20¼ in. 15.25 lb ..... \$500 ea

### VSP-1230 3-Way Speaker

12-in woofer, 5-in midrange, 1-in tweeter. Power handling 250 W; sens 92 dB SPL/W/m. 14¾ x 27½ x 11½ in; 37 lb ea ..... \$400/pr

### VSP-82 2-Way Speaker

8-in woofer, 2-in tweeter. Power handling 60 W; sens 89 dB SPL/W/m. 10¾ x 18¾ x 8¾ in; 15 lb ea ..... \$160/pr

## VELODYNE

### ULD-18 Powered Subwoofer

Floor-standing subwoofer with servo-controlled long-throw 18-inch driver with ¼-inch peak-to-peak linear travel; 400-W amplifier. Level control. FR 15-85 Hz ± 3 dB; crossover point 85 Hz. Walnut, oak, or black finish. Cabinet: 23 x 31 x 22 in; amp; 3½ x 17 x 11 in ..... \$2,595 ea

ULD-15. As ULD-18 but with 15-inch driver and 17 x 22 x 18 in cabinet, output capability 109 dB at 32 Hz ..... \$1,795

### ULD-12 Powered Subwoofer

12-inch servo-controlled down-firing driver with 100-W rms Class B amplifier. Passive crossover point 85 Hz. Line- or speaker-level connection; subsonic filter - 3 dB at 15 Hz; FR 18-85 Hz ± 3 dB. Walnut, oak veneer, or black finish. Cabinet: 16 x 17 x 21 in; controller 1½ x 8 x 6 in; 32 lb ..... \$1,195

### Servo 1200 Powered Subwoofer

Powered subwoofer features integrated Class AB amp; 12-inch woofer. Passive crossover point 85 Hz; active crossover adjustable from 60 Hz to 100 Hz. Power handling 100 watts cont; FR 25-100 Hz; THD <.5%. Black finish. 16¼ x 18¼ x 18¼; 60 lb ..... \$895

### Servo 1200 Powered Subwoofer

Powered subwoofer featuring integrated Class AB amp; 12- and 10-inch drivers. Power han-

dling 100 W cont; FR 25-100 Hz; THD <.5%; crossover point 45 Hz. Black, vinyl-woodgrain finish. 18¼ x 16 ¼ x 18¼; 40 lb ..... \$645

## Accessory

### Passive Crossover/Bypass

High-pass crossover with bypass capabilities for ULD-18 ULD-15. 7 x 1½ x 6 in ..... \$195

## VENTURI BY BIC AMERICA

*All Venturi speakers are vented and have horizontal cross-bracing, 5-way gold binding posts, 5-year warranty, and are finished in medium oak.*

### Venturi V830 3-Way Speaker

Speaker with 8-inch carbon-impregnated polypropylene woofer, 6-inch cast-frame polycarbonate midrange, and 1-inch ferrofluid-cooled poly laminate soft-dome tweeter. Features segmented cabinet; spikes for floor coupling. Power handling 20-250 watts; FR 40-22,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 1,000 and 5,000 Hz. 10¼ x 40 x 11½ in; 45 lb ea ..... \$799/pr

### Venturi 630 3-Way Speaker

Speaker with 6-inch woofer, 6-inch polycarbonate midrange, and 1-inch poly laminate soft-dome tweeter. Power handling 15-150 watts; FR 49-22,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 1,500 and 5,000 Hz. 9 x 34 x 11 in; 37 lb ea ..... \$599/pr

### Venturi V820 2-Way Speaker

Speaker with 8-inch woofer and 1-inch poly laminate soft-dome tweeter. Power handling 15-150 watts; FR 40-22,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover point at 2,500 Hz. 10 x 27 x 12 in; 29 lb ea ..... \$439/pr

### Venturi V620 2-Way Speaker

Speaker with 6-inch woofer and ¾-inch poly laminate soft-dome tweeter. Power handling 10-120 watts; FR 49-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. 9 x 23 x 11 in; 24 lb/ea ..... \$329/pr

### Venturi V62 2-Way Bookshelf Speaker

Bookshelf speaker with 6-inch woofer and ¾-inch poly laminate tweeter. Min power 10 watts; FR 52-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover 4,000 Hz. 9 x 14 x 9 in; 14 lb ea ..... \$219/pr

## WATERWORKS ACOUSTICS

*The following products have a 3-year warranty, and are mounted in a pipelike structure.*

### Soundpipe Two Speaker

Two 5-in poly-cone woofers; ¼-in tweeter. Power handling 10-120 W; nom imp 4 ohms; FR 80-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m. Black or white. 6 x 21½ x 8½ in, 11 lb ..... \$649/pr

### Soundpipe Subwoofer

10-in dual-voice coil poly-cone woofer. Power handling 10-120 W; nom imp 3 ohms; FR 30-100 Hz ± 3 dB; sens 90 dB SPL/W/m. Black or white. 40 lb ea ..... \$449 ea

### Soundpipe One Speaker

5-in poly-cone woofer; ½-in tweeter. Power handling 10-60 W; nom imp 8 ohms; FR 80-20,000 Hz ± 3 dB; sens 88 dB SPL/W/m. Black or white. 6 x 13 x 8½ in, 12 lb/pr ..... \$349/pr

### Dedicated Accessories

Speaker stands ..... \$169/pr  
4 x 48-in mounting pipe ..... \$119/pr

2 x 48-in mounting pipe ..... \$99/pr  
4 x 36-in mounting pipe ..... \$89/pr  
4 x 36-in mounting pipe ..... \$69/pr  
4 x 24-in mounting pipe ..... \$59/pr  
4 x 24-in mounting pipe ..... \$39/pr  
Brackets (SP1 only) ..... \$39/pr  
Mounting pipe adapter ..... \$39/pr  
Banana plugs ..... \$9.95/pr

## WESTLAKE AUDIO

### SM-1F Five Amp 5-Way Speaker

Ported speaker with two 18-in woofers, 12-in midbass driver, 2-in horn-loaded compression midrange, 1-in horn-loaded compression tweeter, ½-in compression tweeter. Includes SM-1X active crossover, MRX-2 crossover, 2 pedestals. FR 20-20,000 Hz; crossover points 200, 800, 3,200, 10,000 Hz ..... \$50,000/pr  
SM-1F. As above, without crossover. 49 x 39 x 32 in, 450 lb ea ..... \$45,000/pr  
SM-1F. As above, with MRX-2, two HLX-SM1's ..... \$40,000/pr

### HR-1VF Four Amp 4-Way Speaker

Ported speaker with two 15-in woofers, 10-in midbass driver, 2-in horn-loaded compression midrange, 1-in horn-loaded compression tweeter. Includes HR-1X active crossover. Frequency response 34-16,000 Hz ± 3 dB; 34 x 48 x 21, 375 lb ..... \$26,500/pr  
HR-1VF Bi Amp. As above, with 2HLX-1K and MRX-2. HR-1X not included. 44 x 31 x 21 in, 365 lb ..... \$23,000/pr

### HR-7F Four Amp 4-Way Speaker

Ported speaker with two 12-in woofers, 10-in midbass driver, 1-in horn-loaded compression midrange, ½-in horn-loaded compression tweeter. Includes HR-7X active crossover. FR 48-20,000 Hz ± 3 dB; 24 x 38 x 18 in, 185 lb ..... \$19,000/pr  
HR-7F Bi Amp. As above, with HLX-HR-7 installed, MRX-2. HR-7X not included. \$17,000/pr

### TM-3VF 3-Way Speaker

Ported speaker with two 15-in woofers, 2-in horn-loaded compression midrange, 1-in horn-loaded compression tweeter. Includes active crossover. FR 34-16,000 Hz ± 3 dB. 34 x 44 x 21 in, 370 lb ..... \$18,500/pr  
TM-3VF Single Amp. As above, with pair HLX-800 installed. 31 x 44 x 21 in, 346 lb ..... \$17,000/pr

### BBSM-15FP 3-Way Speaker

Ported speaker with dual 15-in woofer, 10-in midrange driver in integral nonresonant enclosure, 2-in horn-loaded compression tweeter. Power handling 150-300 W; FR 50-15,000 Hz ± 3 dB; crossover points 350, 1,600 Hz; nom imp 4 ohms. 41 x 27¼ x 25 in, 345 lb ..... \$10,000/pr  
BBSM-15FP. Pair of walnut pedestals for above ..... \$1,800

### BBSM-12VF 3-Way Speaker

Ported speaker with two 12-in woofers, 6½-in midrange driver in integral nonresonant enclosure, 1¼-in dome tweeter. Power handling 50-180 W; FR 40-16,000 Hz ± 3 dB; crossover point 500, 4,000 Hz; sens 89 dB SPL/W/m; nom imp 4 ohms. 30½ x 48½ x 18¼ in, 240 lb ..... \$5,000/pr  
BBSM-12F Bi-wire. As above, power handling 50-180 W; FR 50-16,000 Hz ± 3 dB. 19 x 34 x 23 in, 160 lb ..... \$4,700/pr

### BBSM-10VF 3-Way Speaker

Ported speaker with two 10-in woofers, 6½-in midrange driver in integral nonresonant enclosure, 1¼-in dome tweeter. Power handling 50-120 W; FR 45-16,000 Hz ± 3 dB; crossover points 600, 4,000 Hz; sens 87 dB SPL/W/m; nom-

# SPEAKERS

imp 4 ohms. 27 x 44½ x 17 in. 240 lb \$4,300/pr  
**BBSM-10F Bi-Wire.** As above. 30 x 16 x 21½ in.  
 115 lb ..... \$4,000/pr

## BBSM-8F 3-Way Speaker

Ported speaker with dual 8-in woofers, 3½-in midrange driver, 1-in dome tweeter. Power handling 50-100 W; FR 65-18,000 Hz ± 3 dB; crossover points 600, 5,000 Hz; nom imp 4 ohms. 13 x 26 x 16½ in. 90 lb ..... \$3,200/pr

## BBSM-6F 3-Way Speaker

Ported speaker with dual 6-in woofers, 3½-in midrange driver, 1-in dome tweeter. Power handling 50-60 W; FR 60-20,000 Hz ± 3 dB; crossover points 600, 6,000 Hz; nom imp 4 ohms. 10½ x 22 x 13 in. 55 lb ..... \$2,200/pr

## BBSM-4F 2-Way Speaker

Ported speaker with dual 4-in woofers, 3¼-in dome tweeter. Power handling 25-50 W; FR 65-20,000 Hz ± 3 dB; crossover point 1,500 Hz; nom imp 4 ohms. 8 x 15 x 10 in. 25 lb \$1,400/pr

## WHARFEDALE

### Coleridge 2-Way Speaker

8-in mineral-filled polypropylene woofer, 1-in titanium-dome tweeter in alloy housing. Features cast-aluminum chassis; sandwich mounted bass units; down-firing flared-reflex port. Gold-plated 4-way speaker terminal with biwiring option. Power handling 100 W cont; FR 45-20,000 Hz; sens 89 dB SPL/W/m; nom imp 8 ohm. Black-ash and wood veneers .. \$1,600/pr

### 2130 Subwoofer/Satellite System

Subwoofer uses two 8-in woofers with push-pull configuration. Satellite uses 4-in midrange drivers; two ¾-in metal-dome tweeter. Satellite: FR 40-200,000 Hz ± 3 dB; sens 89 dB SPL/W/m; crossover point 150 Hz. Subwoofer: FR 150-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; crossover point 5,500 Hz. Black-vinyl finish. Subwoofer: 8 x 13 x 20 in; 27.5 lb. Satellite: 5 x 9 x 5 in; 13.25 lb ..... \$700 ea

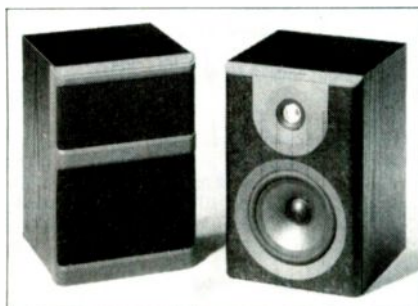
### Model 505.2 2-Way Speaker

Acoustic-suspension enclosure with 8-in woofer, and ¾-in metal-dome tweeter. Power handling 100 W continuous; FR 42-22,000 Hz ± 3 dB; sens 87 dB SPL/W/m; crossover point 5,000 Hz; nom imp 8 ohms. Black finish. 17 x 10 x 9 in; 12 lb ea ..... \$560/pr

### Series 4

#### 440 2-Way Speaker

Two 8-in woofers, 1-in metal-dome tweeter. FR 30-20,000 Hz; nom imp 8 ohms. Black-vinyl finish. 10 x 38 x 11 ..... \$1200/pr  
 430. As above. FR 35-20,000 Hz. 10 x 29 x 11 in ..... \$900/pr



Wharfedale Diamond IV

#### 420 2-Way Speaker

Ported design with 8-in woofer, 7-in metal-

dome tweeter. FR 40-20,000 Hz; sens 90 dB SPL/W/m; crossover point 5,000 Hz. Black-vinyl finish. 10 x 19 x 11 in, 44 lb ..... \$700/pr

#### 410 2-Way Speaker

Ported design with 6¼-in woofer, 7-in metal-dome tweeter. FR 45-20,000 Hz; sens 89 dB SPL/W/m; crossover point 3,500 Hz. Black-vinyl finish. 9 x 14 x 9 in, 26.5 lb ..... \$500/pr  
**Diamond IV.** As above with 4¾-in woofer, ¾-in metal-dome tweeter. 11 x 7 x 7 in ..... \$400/pr

### Delta Series

#### Delta 90 3-Way Speaker

10-in woofer, 4-in cone midrange, and ¾-inch polyimide, soft-dome tweeter; tuned-port enclosure. Power handling 100 watts cont; FR 35-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; crossover points 1,000 and 5,000 Hz; nom imp 8 ohms. Black-oak vinyl finish. 12 x 27 x 9 in; 33 lb ea ..... \$700/pr

#### Delta 70 2-Way Speaker

8-in woofer and ¾-in polyimide, soft-dome tweeter. Features tuned-port enclosure. Power handling 100 W continuous; FR 40-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; crossover point 3,500 Hz; nom imp 8 ohms. Black-oak vinyl finish. 11 x 21 x 8 in; 16.5 lb ea ..... \$450/pr

#### Delta 50 2-Way Speaker

8-in woofer and ¾-in polyimide, soft-dome tweeter; infinite-baffle design. Power handling 100 W; FR 45-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; crossover point 5,000 Hz; nom imp 8 ohms. Black-oak vinyl finish. 10 x 18 x 8 in; 13.2 lb ea ..... \$350/pr

#### Active Diamond Plus 2-Way Speaker

4½-in woofer and ¾-in tweeter; built-in 20-W amp with 3rd-generation monolithic devices; tuned-port enclosure; 5th-order crossover. On/off switch; volume control. FR 50-20,000 Hz; crossover point 3,500 Hz. Black-oak vinyl finish. 7 x 9 x 8 in. 18 lb ea ..... \$350/pr

#### Diamond MK III 2-Way Speaker

Features 4½-in woofer and ¾-in tweeter; fifth-order crossover; tuned-port enclosure. Power handling 100 W cont; FR 50-20,000 Hz; 86 dB SPL/W/m; imp 8 ohms. Black- or white-oak vinyl finish. 7 x 9 x 8 in; 15.5 lb ea ..... \$300/pr

#### Delta 30 2-Way Speaker

6½-in woofer and ¾-in polyimide, soft-dome tweeter; tuned-port enclosure. Power handling 75 W cont; FR 45-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; crossover point 5,000 Hz; nom imp 8 ohms. Black-oak vinyl finish ..... \$270/pr

## WOLCOTT

### MDH Omnisphere Speaker

Floor-standing bass-reflex speaker with four 6½-in polypropylene-cone, butyl-surround woofers, 1½-in soft-dome tweeter. Features a vertically aligned tweeter; closely spaced 6-in radius sphere and semisphere forms a radial horn; auto electronic tweeter protection. Power handling 20-250 watts rms; FR 30-20,000 Hz ± 3 dB sens 90 dB SPL/W/m; imp 6 ohms. Unit on casters with floor-loaded ports, high-gloss black-lacquer finish. 21 (at base) x 49 x 21 (at base); 110 lb ..... \$4,950/pr  
 MDF. Same as above, oak veneer ... \$4,500/pr

## YAMAHA

### Monitor Speakers

#### NS-1 2-Way Speaker

Acoustic-suspension speaker; aluminum, nick-

el. cobalt magnets in woofer and tweeter. 6¼-inch mica-impregnated polypropylene woofer and 1¼-inch soft, resin-coated, cotton-dome tweeter. Features magnetic shielding; tweeter-level control. Polyurethane-coated birch cabinet. Power handling 60 watts ..... \$998/pr

#### NS-10M 2-Way Bookshelf Speaker

7-inch single-sheet white-cone woofer, 1¾-inch soft-dome tweeter, acoustic-suspension enclosure, high-efficiency max-sound-dispersion design. Power handling 100 watts; sensitivity 90 dB SPL/W/m. 8½ x 15 x 7¼ in; 30 lb ... \$398/pr

### Active-Servo Speakers

#### YST-S1 2-Way Speaker

2-way field-isolation system with 6-inch polypropylene multirange driver and 1-inch soft-dome tweeter. FR 28-20,000 Hz. Black . \$700/pr

#### YST-SF50 2-Way Speaker

Features four 4-in polypropylene multirange drivers, one 1¼-in soft-dome tweeter, and one 1¼-in air woofer; bass response down to 25 Hz; flat design for wall mounting; shelf/floor placement with optional stands; magnetic shielding active-servo cartridge ..... \$658/pr

#### YST-S300A 2-Way Speaker

Features 6½-in multirange driver, 1½-in air woofer, and ¾-in soft-dome tweeter; compatible with all active-servo amplifiers. Power handling 60 W cont; FR 25-40,000 Hz. Black oak finish. 9 x 17½ x 10½ in ..... \$350/pr

#### YST-SW100 Powered Subwoofer

Features two 7-in cone drivers, 1¼-in air woofer; line-input and speaker-input connection; magnetic shielding; continuously variable high-cut filter. 70 W into 5 ohms; FR 21-180 Hz; Black finish ..... \$399 ea

#### YST-SE10 Full Range Speaker

Designed for use with DSP-A700 & DSP-E300 for surround-sound applications. Can be mounted on wall vertically or horizontally or used free standing with supplied stand. FR 45-20,000 Hz ..... \$158/pr

### Subwoofers

#### NS-W2 Subwoofer

Features 10-inch woofer; built-in 40-watt amplifier with volume control; magnetic shielding. 14 x 17½ x 12½ in; 32 lb ..... \$578/pr

### Surround-Sound Speakers

#### NS-C70 Full-Range Speaker

Center channel speaker. Features two 4-in full-range drivers; magnetic shielding; slanted front panel. FR 70-20,000 Hz; imp 6 ohms. Black finish. 5¾ x 17½ x 6¼ in ..... \$129/ea

#### NS-A95 2-Way Surround-Sound Speaker

Acoustic-suspension surround/effects speaker with 4½-inch long-throw woofer and 2-inch wide-dispersion cone tweeter. Includes mounting bracket and speaker wire. Power handling 5 watts min, 30 watts max; imp 4 ohms; sens 91 dB SPL/W/m. 9 x 9 x 3½ in. Black. 4.4 lb \$70/pr  
 NS-A90. As above, white ..... \$70/pr

## YANKEE

#### FPR-72 Speaker

Planar ribbon design with foil ribbons. Features crossoverless design; gold-plated 5-way binding posts; litz cable for internal wiring. FR 29-20,000 Hz ± 2 dB; power handling 50-75 W; imp 3 ohms. 72 x 29½ x 3½ in; 135 lb ea.; natural, medium, or dark oak finish . \$5,800/pr

# HEADPHONES



## AIWA

### HP-X80 Headphones

Closed-type headphones with coiled cord. Samarium-cobalt drivers, 1/4-in carbon-disc flat diaphragms, 180° turn ear pad, 24k gold-plated plug and plug adaptor . . . . . \$95

HP-X50. As above, double-dome 1/4-in driver units. Straight cord . . . . . \$70

HP-X30. As above, fixed ear pad . . . . . \$50

### HP-V88 Earphones

Ear buds with samarium-cobalt drivers, double-dome 4 diaphragms, 2 1/2-in bass resonator ducts, 24k gold-plated plug and plug adaptor. Cord-winding carrying case . . . . . \$80

HP-V57. As above with 1/4-in resonator ducts, no plug adaptor. In-line volume control . . . \$35

HP-V53. As above, no volume control . . . \$28

HP-V25. As above, 3/8-in-diameter drivers, 3 pairs of earpads . . . . . \$22

HP-V12. As above, no case . . . . . \$12

### HP-X35 Headphones

26-ft ofc cord and 24k gold-plated mini phone plug. 1/4-in-diameter drivers. Features in-line volume control and stereo/mono switch. Includes phone-plug adaptor. FR 5-23,000 Hz; sens 102 dB; imp 40 ohms, 4.9 oz . . . . . \$60

### HP-J7 Earphones

3.9-ft ofc cord and 24k gold-plated mini phone plug. Features 3/8-in. U-shaped bass resonator ducts. Includes cord-winding carrying case. FR 8-25,000 Hz; sens 105 dB; imp 16 ohms, 0.2 oz . . . . . \$50

### HP-A550 Open-Air Headphones

1 1/2-in-diameter double-dome driver units, 1/4-in bass-resonator ducts, copper-clad aluminum-wire voice coils, 24k gold-plated plug and plug adaptor. Double earpad . . . . . \$33

HP-A350. As above, no double earpad . . . \$27

### HP-A300 Open-Air Headphones

4 1/2-ft ofc cord with mini phone plug. 1 1/2-in-diameter drivers. Features copper-clad aluminum-wire voice coils. Includes phone-plug adaptor. FR 10-20,000 Hz; sens 97 dB; imp 32 ohms, 1.7 oz . . . . . \$20

### HP-V250 Open-Air Headphones

Walkman-type headphones with 1 1/2-diameter driver units. Copper-clad aluminum wire. Double-folding headband; plug adaptor . . . . \$17

HP-A150. As above, w/o headband . . . . . \$12

## AKG

### K1000 Headphones

Dynamic transducer with a Ventilated Linear Dynamic (VLD) magnet system. Oxygen-free copper cable with XL connector and gold-plated contacts; soft leather temple pads; connects directly to headphone jack of receiver or amplifier or across speaker output terminals. FR 20-

20,000 Hz; sens 74 dB; nominal impedance 120 ohms; power 1,000 mW. . . . . \$895

### K340 Headphones

Two-way electrostatic/dynamic headphones with fixed-charge electrostatic dynamic moving-coil transducer and passive diaphragms in each earcup. Connects directly to headphone jack of receiver or amplifier or across speaker terminals. FR 15-25,000 Hz; SPL 117 dB at 0.1% THD; nom imp 400 ohms; maximum continuous input 200 mW/channel at 117 dB SPL; includes 10-ft 4-conductor cables with 3-conductor 1/4-inch stereo phone plug, 13.5 oz less cable \$235

### K280 Headphones

Features parabolic-type, dual-transducer design in each earcup; low-imp electrical circuit; matches 4-75 ohm outputs. Includes 9 1/4-ft cable, standard stereo phone plug, 8.7 oz . . . \$195

### K260 Open-Air Headphones

Open-air, circumaural headphones with dynamic MC transducers. Matches 4-600 ohm outputs, 10-ft cable; standard stereo plug, 9.2 oz . . . . . \$170

### K240 DF Headphones

Designed with flat frequency response based on European requirements for reference monitor headphones. FR 20-20,000 Hz ± 2 dB; max input 11 V; matches 4-600 ohm outputs; max SPL 95 dB at <0.3% THD; With 8.2-ft cable and standard stereo phone plug; 8.5 oz . . . . . \$150

### K240M Headphones

Free-field headphones; dynamic MC transducer and 6 passive radiators in each circumaural cup. FR 15-20,000 Hz; imp 600 ohms; max SPL 119 dB at 0.3% THD; supplied with 10-ft 4-conductor cable and 1/4-in phone plug; 7.8 oz . . . . . \$120

### K145S Electrostatic Headphones

Two-way semi-open design. FR 25-24,000 Hz, ± 3 dB; imp 150 ohms; phone connector; 10-ft, long cord; 6 oz . . . . . \$110

### K-141M Headphones

Semi-open pro monitoring headphones with MC transducers. FR 20-20,000 Hz; max SPL 120 dB at 0.5% THD, imp matches 4-600 ohms; 10-ft 4-conductor cable and standard 3-conductor stereo phone plug; 6.8 oz . . . . . \$100

### K135S Headphones

Semi-open headphones. FR 25-18,000 Hz, ± 3 dB; imp 150 ohms; phone connector; 5 1/2 oz.; cord 10 ft, long . . . . . \$85

### K45 Headphones

Lightweight supra-aural headphones with MC transducers. FR 30-18,000 Hz; max SPL 117 dB at 0.9% THD; matches 4-200 ohm outputs; 10-ft 4-conductor cable; combination standard/mini stereo phone plug; 2.7 oz . . . . . \$60

### K55 Headphones

CAD/CAM designed supra-aural headphone with wire-headband construction. Matches 4-150 ohm outputs. Comes with 9 1/4-ft cable; combination standard/mini stereo phone plugs, 3.2 oz . . . . . \$50

K21TV. As above, with cable-mounted control box for left/right level adjustment, stereo/mono switch, and dual-channel mode for SAP broadcasts . . . . . \$60

### K2 Mini Headphones

2 MC dynamic transducers; adjustable earcups with washable cushions; matches 4-200 ohm outputs; 9-ft cable; combination standard/mini stereo phone plug; 3.2 oz . . . . . \$45

## ARKON

### IR-500 Cordless Headphone System

6-oz headset and infrared transmitter. Features mic adapter; on/off volume control on headset. . . . . \$100

### IR-200 Cordless Headphone System

Headphone works with any TV. Features microphone adapter; cushioned, lightweight earpads; FR 30-18,000 Hz; on/off volume control on headset; monaural mode or synthesized stereo sound . . . . . \$80

## AUDIO-TECHNICA

### ATH910 Headphones

Closed-back headphone with 44-mm samarium-cobalt drivers and oxygen-free copper cable. 1/4-in plug. FR 20-22,000 Hz; cord length 9.8 ft; imp 4-16 ohms; sens 100 dB SPL/m/W; 7.2 oz . . . . . \$100

### ATH909 Headphones

Open-back headphone with 44-mm samarium-cobalt drivers and oxygen-free copper cable. Frequency response 20-20,000 Hz; cord length 9.8 ft; 1/4-in plug; imp 4-16 ohms; sens 100 dB SPL/m/W; 6.9 oz . . . . . \$80

### ATH908 Headphones

Open-back headphone with 44-mm samarium-cobalt drivers. FR 20-20,000 Hz; cord length 9.8 ft; 1/4-in plug; imp 4-16 ohms; sens 100 dB SPL/m/W; 7.2 oz . . . . . \$70

### ATH611 Headphones

Open-back headphone with acoustically optimized oval earpieces. Frequency response 20-23,000 Hz; cord length 10 ft; 1/4-in plug; impedance 4-16 ohms; sensitivity 101 dB SPL/W/m; 9.5 oz w/o cord . . . . . \$70

### ATH610 Headphones

Closed-back headphone with acoustically optimized oval earpieces. Frequency response 20-22,000 Hz; cord length 10 ft; 1/4-in plug; imp 4-16 ohms; sensitivity 100 dB SPL/W/m; 9.5 oz w/o cord . . . . . \$60

# HEADPHONES

## ATH609 Headphones

Open-back headphone with acoustically optimized oval earpieces. FR 20-20,000 Hz; cord length 10 ft; 1/4-in plug; imp 4-16 ohms; sens 98 dB SPL/W/m; 9.5 oz w/o cord ..... \$50

## Sound Guard Series

**SG440.** "Over the ear" hanging earbud, FR 35-20,000; cord length 45-in; mini plug w/ 1/4-in adaptor; 0.3 oz w/o cord ..... \$25  
**SG600CD.** Mid-size with closed back. Full-range 40-mm mylar drivers; FR 20-20,000; mini-plug with 1/4-in adaptor. 2.8 oz ..... \$20  
**SG450.** Bass-vent design; fully adjustable headband; FR 20-20,000 Hz; mini connector with 1/4-in adaptor; 0.5 oz ..... \$15  
**SG430.** Micro earbuds with full-range drivers; FR 35-20,000 Hz; mini connector with 1/4-in adaptor and extra earpiece covers. 0.3 oz ..... \$13  
**SG410.** Ultra-lightweight mini headphones with polymer-dome drivers; FR 40-20,000 Hz; mini connector with 1/4-in adaptor; 1.0 oz ..... \$10

## AZDEN

### DM90 Headphones

Features 1 1/2-in drivers; samarium-cobalt magnets; 16-micron polymer and copper-clad aluminum voice coils; gold-plated mini plug; gold-plated adaptor plug for standard jacks. FR 4-26,000 Hz; max input 800 mW; sens 105 dB/mW ..... \$100  
**DM-70.** Similar to above, FR 4-24,000 Hz; max input 500 mW; sens 103 dB/mW ..... \$80

### DSR-48 Headphones

Features polymer drivers; gold-plated mini-plug with gold-plug adaptor. FR 15-24,000 Hz; max input 100 mW; sens 97 dB/mW ..... \$70

### DSR-18 Headphones

Full-size headphone with coiled cord and gold-plated mini plug with gold-plug adaptor. FR 15-22,000 Hz; max input 200 mW ..... \$70

### DSR-12 Headphones

Full-size headphone with 1/4-in plug. FR 20-20,000 Hz; max input 100 mW; sens 105 dB/mW ..... \$60

### DSR-88 Headphones

In-ear design with samarium-cobalt magnets; gold-plated mini-plug with gold adaptor. FR 18-20,000 Hz; max input 100 mW; sens 104 dB/mW ..... \$50

### DSR-42 Headphones

Less than 4 oz; mini plug. FR 30-20,000 Hz; max input 100 mW; sens 102 dB/mW ..... \$40

## BANG & OLUFSEN

### Form 1 Headphones

Semi-open headphones with mini and phone connector. Features lightweight self-adjusting earpads with tension-relief pads to remove pressure from ear. FR 20-20,000 Hz  $\pm$  3 dB; imp 35 ohms ..... \$120

### Form 2 Open-Air Headphones

Mini and phone connector. Features lightweight self-adjusting earpads. FR 20-20,000 Hz  $\pm$  3 dB; imp 30 ohms ..... \$60

## BEYER DYNAMIC

### IRS 690 Wireless Headphone System

Wireless headphone system comprising DT 690 headphones, IS 690 infrared transmitter, and LG-690 power supply. Built-in rechargeable 9V battery, mono/stereo switch, volume control. FR 20-20,000 Hz ..... \$399

### DT 48A Headphones

Audiometric-calibration, reference headphones for acoustical measurements. FR 16-20,000 Hz; max power 200 mW; imp 5 ohms ..... \$300

### DT 48 Headphones

Features removable ear cushions and 10-ft coiled cable. FR 16-20,000 Hz  $\pm$  2 dB; imp 200 ohms; sens 105 dB SPL with 1-mW input at 1,000 Hz; max power 96.8 mW; phone plug; 14 oz without cord ..... \$290

### DT 990 PRO Headphones

Circumaural design with large, low-mass-diaphragm design; heavy-duty construction. Frequency response equalized to diffuse sound-field method. FR 5-35,000 Hz  $\pm$  3 dB; imp 600 ohms; max power 100 mW; sens 96 dB at 1 mV/ch at 1,000 Hz. Includes 1/2-in connector. 8 oz ..... \$260

**DT 990 Headphones.** As above, regular construction ..... \$210

### DT 770 PRO Headphones

Circumaural design with bass-reflex system; heavy-duty construction. FR equalized to diffuse sound-field method. Features very large, low-mass-diaphragm design. FR 15-30,000 Hz  $\pm$  3 dB; imp 600 ohms; max power 100 mW; sens 96 dB at 1 mV/ch at 1,000 Hz. Includes 1/2-in connector. 9 oz ..... \$239

**DT 770 Headphones.** As above, regular construction ..... \$189



Beyer Dynamic DT 770

### DT 109 Headphones with Microphone

Headphones with dynamic boom microphone. Features rugged modular construction, available with straight or coiled 10-ft cord in numerous mic and headphone impedances. FR 30-20,000 Hz  $\pm$  3 dB; imp 400 ohms; sens 94 dB SPL with 1-mW input at 1,000 Hz; max power 1,000 mW; phone plug; 14 1/2 oz with cord ..... \$233

### DT 880 Headphones

Semi-open circumaural design using rare-earth magnets; highly cushioned. FR 5-35,000 Hz  $\pm$  3 dB; imp 600 ohms; sens 94 dB SPL with 1-mW input of 1,000 Hz; max power 100 mW; phone plug; 10-ft cord length ..... \$230

**DT 880 Headphones.** Same as above less cushioning. FR 5-25,000 Hz  $\pm$  3 dB ..... \$173

### DT 108 Headphones with Microphone

Single-muff headphone with dynamic boom microphone. Features rugged modular construction, straight or coiled cord with numerous mic and headphone impedances; designed for extended wearing. FR 30-20,000 Hz  $\pm$  3 dB; imp

400 ohms standard; sens 94 dB SPL with 1-mW input at 1,000 Hz; max power 1,000 mW; phone plug; cord length 10-ft coiled or straight; 10.75 oz with cord ..... \$188

### ET 100 Headphones

Studio headphones for production and post-production. Features detachable straight or coiled 10-ft cord; available in numerous impedances, modular construction. FR 30-20,000 Hz  $\pm$  3 dB; imp 400 ohms; sens 94 dB SPL with 1-mW input at 1,000 Hz; max power 1,000 mW; phone plug; 12 1/2 oz with cord ..... \$173

### DT 96A Headphones

Can be used with or without circumaural ear cushions. Features detachable straight or coiled 10-ft cord. FR 30-17,000 Hz  $\pm$  3 dB; imp 400 ohms; sens 94 dB SPL with 1-mW input of 1,000 Hz; max power 360 mW; phone plug; 4 oz without cord ..... \$155

### DT 550 Headphones

Semi-open, circumaural design. Lightweight, adjustable suspension, 10-ft coiled cord. FR 10-22,000 Hz  $\pm$  3 dB; imp 600 ohms; sens 95 dB SPL with 1-mW input at 1,000 Hz; maximum power 100 mW; phone plug; 7 oz without cord ..... \$145

### DT 220 Headphones

Lightweight, closed design; soft circumaural ear cushions. FR 20-20,000 Hz  $\pm$  3 dB; imp 400 ohms; sens 102 dB SPL with 1-mW input at 1,000 Hz; max power 100 mW; phone plug; 10 oz without cord ..... \$129

### DT 102 Single-Muff Headphones

For broadcast, recording, and disco cueing. Features detachable straight or coiled 10-ft cord; available in numerous impedances; modular construction. FR 30-20,000 Hz  $\pm$  3 dB; imp 400 ohms; sens 94 dB SPL with 1-mW input at 1,000 Hz; max power 1,000 mW; phone plug; 9 oz without cord ..... \$123

### DT 330 MK II Headphones

Semi-open circumaural rare-earth magnets. FR 15-18,000 Hz  $\pm$  3 dB; imp 40 ohms; sens 85 dB SPL with 1-mW input at 1,000 Hz; max power 100 mW; phone plug; cord length 10 ft; 6.75 ozs without cord ..... \$93

**DT 340TV.** As above with 22-ft cable and LR volume control ..... \$90

### DT 320 MK II Headphones

Semi-open, circumaural design. FR 20-20,000 Hz  $\pm$  3 dB; imp 40 ohms; sens 88 dB SPL with 1-mW input at 1,000 Hz; max power 100 mW; mini-connector; 1/2-in phone plug adapter; 10-ft cord length; 3 1/4 oz without cord ..... \$83

### DT 303TV Headphones

Lightweight design which features LR volume controls ..... \$69

### DT 325 Headphones

Designed for portable applications. FR 20-20,000 Hz; imp 40 ohm; mini-connector with 1/2-in phone adaptor ..... \$68

## THE BOOTHE COMPANY

**Sweatband Headphones.** Sweatband with in-ear-headphones. Features inside pocket .. \$16

## CALIBRON

### Pro 60 Headphones

Features 1 1/2-in titanium diaphragms, 8-ft OFC cord with volume control, 1/4-in gold-plated plug. FR 5-30,000 Hz; sens 105 dB; imp 400 ohms ..... \$80

# HEADPHONES

## Pro 40 Headphones

Features 1½-in titanium diaphragms, 8-ft cord with ¼-in plug; ¼-in gold-plated adaptor included. FR 5-30,000 Hz; sens 105 dB; imp 40 ohms. . . . . \$60

## Pro 50 Earphones

Features 40-in cord with volume control, ¼-in plug; ¼-in gold-plated adaptor and carry case included. FR 18-22,000 Hz; sens 104 dB; imp 16 ohms. . . . . \$40

## Pro 30 Headphones

Features 1¼-in titanium diaphragms, 8-ft cord with ¼-in plug; ¼-in gold-plated adaptor included. FR 18-22,000 Hz; sens 102 dB; imp 32 ohms. . . . . \$40

**Model 65200 Headphones.** FR 20-22,000 Hz; sens 98 dB/mW. . . . . \$26

**Model 65060 Headphones.** Features samarium-cobalt drivers. FR 18-22,000 Hz; sens 102 dB/mW. . . . . \$24

**Model 65030 Open-Air Headphones.** ¼-in gold-plated adaptor included. FR 18-20,000 Hz; sens 102 dB/mW. . . . . \$19.99

**Model 60100 Headphones** . . . . . \$19.99

**Model 65020 Earphones.** ¼-in gold plated adaptor; extra ear cushions included. FR 20-22,000 Hz; sens 100 dB/mW. . . . . \$18.99

**Model 60200 Open-Air Headphones.** Samarium-cobalt element. . . . . \$14.99

**Model 60750 Headphones.** 1½-in external speaker included with headphones. . . . . \$12.99

**Model 60111 Earphones.** Carry case included. . . . . \$10.99

**Model 60085 Earphones.** Carry case included. . . . . \$10.99

**Model 60150 Headphones.** ¼-in adaptor and extra ear cushions included. . . . . \$9.99

**Model 60040 Headphones** . . . . . \$6.99

**Model 60030 Earphones** . . . . . \$5.99

**Model 60025 Headphones.** Cassette head cleaner included. . . . . \$5.99

**Model 60015 Headphones** . . . . . \$4.99

## DENON

### AH-D900 Headphones

Titanium 40-mm diaphragm; samarium-cobalt magnet. Low-resonance plastic housings; soft, oval ear pads; reversible ear cup. FR 3-31,000 Hz; sens 106 dB/mW; max input 1,200 mW; imp 32 ohms. 7.7 oz. . . . . \$140

**AH-D700.** Similar to above, diaphragm is high-polymer film. Input 1,000 mW. . . . . \$120

### AH-D500 Headphones

High-polymer-film 40-mm diaphragm; samarium-cobalt magnet. Low-resonance housings; OFC voice coils. FR 4-28,000 Hz; sens 105 dB/mW; imp 32 ohms. 5.25 oz. . . . . \$80

**AH-D300.** Similar to above, voice coil is copper-clad aluminum wire. . . . . \$70

**AH-D100.** Similar to above. . . . . \$60

### AH-C6 Earphones

15-mm diaphragm and samarium-cobalt magnet. FR 16-22,000 Hz; sens 106 dB/mW; imp 16 ohms. . . . . \$25

## GE

### Model 3-5756S Open-Air Headphones

60-in cord with 3.5-mm stereo plug. Samarium-cobalt drivers; swivel earpieces; ¼-in adaptor jack. FR 20-20,000 Hz; sens 100 dB; imp 32 ohms. . . . . \$20

### Model 3-5754S Earphones

45-in cord with 3.5-mm stereo plug. Polyurethane insulation; winder case. FR 20-20,000 Hz; sens 105 dB; imp 32 ohms. . . . . \$9.95

### Model 3-5752S Open-Air Headphones

47-in cord with 3.5-mm stereo plug. Swivel earpieces; ¼-in adaptor jack; extra earpads. FR 20-20,000 Hz; sens 100 dB; imp M7]]]]

## HEATH

### TE-400 Headphones

Closed-back headphones with titanium elements. Features in-line volume/balance control; full-length coiled cord; ¼-in plug. FR 20-30,000 Hz. 1 lb. . . . . \$35

### TE-200 Open-Air Headphones

Titanium elements. Features in-line volume/balance control; full-length coiled cord; ¼-in plug. FR 20-20,000 Hz. 2 lb. . . . . \$25

## INTERNATIONAL COMPONENTS

### SHP-600 Headphones

Samarium-cobalt magnets and mylar-cone diaphragm. . . . . \$31

### SHP-400V Headphones

Ultra-slim headphones with 6-ft coiled cord and ¼-in phone plug. Features individual left/right volume controls. Brushed black-aluminum ear-cups with chrome trim; leather padded cushions and adjustable headband. FR 20-21,000 Hz; 40-mm mylarcon drivers; max input power 0.5 W; 8 oz. . . . . \$25

### SHP-500 Headphones

Ultra-slim headphones with 6-ft coiled cord and ¼-in phone plug. Features brushed black-aluminum ear-cups with chrome trim; leather padded cushions and adjustable headband. FR 18-22,000 Hz; 40-mm mylarcon drivers; max input power 0.5 W; 7 oz. . . . . \$22

### SHP-300 Headphones

Lightweight mini folding headphones. Features samarium-cobalt drivers; ¼-in stereo adaptor. Sens 101 dB/W/m (at 1,000 Hz); FR 20-19,900 Hz; imp 4-32 ohms. . . . . \$15

### SHP-65 Headphones

Mini, lightweight headphones with 13-mm mylar speakers. Frequency response 20-20,000 Hz. Extra earpads. . . . . \$8

### SHP-55 Earphones

Open-air, lightweight, bud-type earphones. Frequency response 20-20,000 Hz; impedance 32 ohm. . . . . \$6

## JASCO

### HE+ Headphones

Features oxygen-free copper litz-type cord; soft leatherette earpads; ¼-in adaptor. . . . . \$28

### HE+ 456 Convertible Headphones/Earphones

Features two-way design, home stereo adaptor, and 4-ft cord with mini plug. . . . . \$9.49

### HE+ 436 Turbo Earphones

Features extra ear pads, storage case, 4-ft cord and 3.5-mm mini plug. . . . . \$7

### HE+ 472 Headphones

Features 4-ft cord with 3.5-mm mini plug. . . . . \$4

### HE+ Neon Headphones

Features 4-ft cord, 3.5-mm mini plug and soft-foam earpads. Available in different neon colors. . . . . \$4

### HE+ 435 Earphones

Features extra ear pads, storage case, 4-ft cord and 3.5-mm mini plug. . . . . \$4

## JVC

### HAD990 Headphones

Large-diameter driver units with samarium-cobalt magnets. . . . . \$120

### HAD700 Headphones

High-sensitivity coils made from copper-clad aluminum wire. FR 5-28,000 Hz. Weight with cord 8.8 oz. . . . . \$80

### HAD600 Headphones

Features moving-coil driver; gold-plated plug, adaptor, and 3-m cord. FR 5-26,000 Hz. Weight with cord 5.6 oz. . . . . \$50

### HAD500 Headphones

Features moving-coil driver; gold-plated plug, adaptor, and 3-m cord. FR 10-23,000 Hz. Weight with cord 5.3 oz. . . . . \$40

### HACD7 Headphones

Lightweight design with moving-coil driver; gold-plated plug, adaptor, and 3-m cord. FR 15-22,000 Hz. Weight with cord 2.9 oz. . . . . \$40

### HAD300 Headphones

Moving-coil driver and 3-m cord. Includes ¼-in and 3.5-mm adaptors. FR 20-20,000 Hz. Weight with cord 4.2 oz. . . . . \$20

### HACD4 Headphones

Lightweight design with moving-coil driver and 6½-ft cord. FR 18-20,000 Hz. Weight with cord 1.9 oz. . . . . \$20

## KENWOOD

### KH-500 Foldable Headphones

Open-air design with fold-up headband. . . . . \$30

### KH-D9 Earphones

Lightweight earbud design with detachable, fold-up headband. . . . . \$20

## KOSS

### JCK/300 Kordless Headphone

Battery-powered infrared cordless system with transmitter and modulator. FR 20-20,000 Hz; left carrier frequency, 95,000 Hz, right 250,000 Hz. . . . . \$275

### Pro/450 Headphone

Features dual-element driver and neodymium magnet. FR 10-30,000 Hz. . . . . \$175

### JCK/200-S Kordless Headphones

Circumaural cordless headphone system with transmitter and AC adaptor. FR 20-20,000 Hz ± 3 dB. . . . . \$160

### Pro/4XL Headphones

Features titanium-coated diaphragm, copper-clad aluminum voice coil. FR 10-25,000 Hz \$130

### SST/10 Headphones

Sens 0.36 V rms at 100 dB SPL. . . . . \$120

### Pro/99 Headphones

Features anisotropic-ferrite magnet. FR 10-20,000 Hz; sens 96 dB SPL/W/m; imp 100 ohms. 10.8 oz. . . . . \$99

### Pro/4AA Headphones

For home and professional use. Features oversized 1-in voice coil. Frequency response 10-22,000 Hz. . . . . \$99

### Pro/4X Plus Headphones

Dual-element design combines rare-earth magnet with piezoelectric element. FR 10-40,000 Hz ± 3 dB. . . . . \$90

# HEADPHONES

## TNT/88 Headphones

Circumaural design and titanium-nitride diaphragm. Features gold-plug and adaptor. FR 15-30,000 Hz; sens 94.5 dB SPL/W/m; imp 60 ohms ..... \$90

## Pro/75 Headphones

Features 4-layer voice coil. Frequency response 10-20,000 Hz. .... \$75

## HV/Pro Headphones

Features dual-suspension, 8 feet of oxygen-free cord with volume/balance control, 1/4-in adaptor. .... \$75

## Pro/4AAA Plus Headphones

Features large voice coils; oversized diaphragm. FR 10-22,000 Hz  $\pm$  3 dB ..... \$70

## TNT/77 Headphones

Open-air design has titanium-nitride diaphragm with adjustable temporal pad design. Features gold-plated plug and adaptor. Frequency response 15-20,000 Hz; sens 91.5 dB SPL/W/m; impedance 60 ohms ..... \$70

## PortaPro Headphones

Supra-aural folding headphones for portable or home use. Features Comfort Zone multi-pivoting earcup adjustments. Mini plug and 1/4-in phone plug; 5 ft. cord. 2.5 oz w/cord ..... \$50

## TNT/66 Headphones

Circumaural design with titanium-nitride diaphragm. Features gold-plated plug and adaptor. FR 20-20,000 Hz; sens 93.5 dB SPL/W/m; imp 60 ohms ..... \$50

## HV/1A Plus Headphones

Features low-mass Decilite drivers. FR 15-30,000 Hz  $\pm$  3 dB; THD 0.5% at 100 dB SPL; sens 0.9 V rms for 100 dB SPL. Acoustical-sponge ear cushions; extendable headband with self-adjusting pivoting yokes, soft padded-vinyl cover; 10-ft cord; 10.1 oz. .... \$50

## Porta/Pro Jr. Headphones

THD < 0.2% at 100 dB SPL, 1 kHz ..... \$40

## K401.C Plus Headphones

Features balance control; Rated at 100 ohms and 104 dB SPL/W/m input. .... \$40

## SST/5 Headphones

Circumaural design. Features adjustable leather headband and foam-filled ear cushions. FR 20-20,000 Hz  $\pm$  3 dB ..... \$40

## TNT/55 Headphones

Features titanium-coated diaphragm, self-supporting voice coil. FR 15-25,000 Hz. Includes 1/4-in adaptor. .... \$40

## K6X Plus Headphones

Lightweight. 100 dB SPL; imp 100 ohms; 6.3 oz ..... \$32

## SST/4 Headphones

FR 20-20,000 Hz  $\pm$  3 dB; imp 35 ohms; sens 100 dB; 6.3 oz ..... \$32

## CS/2 Earphones

In-ear design. Features gold-plated plug and adaptor; matte black carrying case. THD < 1% ..... \$30

## CS/1 Earphones

White earbud. Features gold-plated plug and adaptor; carrying case. THD < 1% ..... \$30

## TD/50 Headphones

8-ft cord for stereo, VCR, or TV. Features self-adjusting slide bars; washable cushions; mini-

mono adaptor; spare cushions. FR 18-20,000 Hz; imp 100 ohms ..... \$25

## TD/60 Headphones

Lightweight home or portable circumaural design. Features pivoting earcups; pivoting earplates; adjustable headband. FR 18-20,000 Hz ..... \$20

## TD/40 Headphones

Portable supra-aural headphones. Features volume and balance controls; screw-on adaptor. FR 20-20,000 Hz; imp 32 ohms. 2.34 oz. .... \$20

## CR/9 Earphones

Sidewinder in-ear design. Features collapsible headband. THD < 1% ..... \$20

## TD/30 Headphones

Adjustable headband; pivoting earcups; spare cushions; 1/4-in adaptor; imp 32 ohms. 1.9 oz  $\pm$  1/16 ..... \$15

## CR/8 Headphones

Lightweight sidewinder design. Features adjustable headband. THD < 1% ..... \$15

## CR/7 Earphones

Sidewinder earbud design. Features detachable headband. THD < 1% ..... \$15

## CR/6 Earphones

In-ear design. Features wind-up spool carrying case. THD < 1% ..... \$12

## TD/20 Headphones

Pivoting earcups; 1/4-in adaptor. 1.7 oz. .... \$10

## LENOXX

### CD-700 Headphones

Samarium-cobalt speaker elements. Features 1/4-in adaptor. FR 20-20,000. 2 oz ..... \$20

### Model 876 Foldable Headphones

In-ear or over-ear headphones. Features Alnico alloy magnets; mini-mono plug for TV; 1/4-in plug; FR 100-15,000 Hz. .... \$10

### Model 884 Headphones

Features mylar diaphragms; 1/4-in adaptor; 4-ft cord. FR 100-15,000 Hz. 0.75 oz ..... \$8

### Model 883 Earphones

In-ear, lightweight headphones that fit all personal-portable stereos. Features dynamic mylar diaphragms; roll-up storage case. 0.5 oz. \$8

## MEMOREX BY MEMTEK

### EDM-770 Headphones

FR 5-30,000 Hz; sens 107 dB SPL/W/m; imp 70 ohms ..... \$120

### PSS-100 Headphones

4 speaker elements and 25-ft cord. Features 2 gold-plated jacks. .... \$100

### EDM-550 Headphones

FR 5-25,000 Hz; sens 102 dB SPL/W/m; imp 60 ohms ..... \$85

### EDM-330 Headphones

FR 15-22,000 Hz; sens 102 dB SPL/W/m; imp 40 ohms ..... \$60

### EDM-110 Headphones

FR 5-25,000 Hz; sens 100 dB SPL/W/m; imp 25 ohms ..... \$50

### SLS-9 Headphones

Designer-styling available in arctic white, champagne, and metallic charcoal. FR 20-20,000 Hz; sens 96 dB SPL/W/m; imp 32 ohms ..... \$30

## DL-100 Headphones

FR 18-22,000 Hz; sens 102 dB SPL/W/m; imp 32 ohms ..... \$20

## Sonic-Lite Series

### SL-88 Earphones

In-ear design with samarium-cobalt magnets. Features contoured shape; gold-plated connectors; mini-connector and mini-to-1/4-in adaptor. FR 20-20,000 Hz  $\pm$  3 dB; imp 16 ohms; max power 30 mW; sens 106 dB at 1 mV/ch at 1,000 Hz. 2 oz ..... \$15

### SL-90 Headphones

Samarium-cobalt magnets. Features gold-plated connectors; mini-connector and mini-to-1/4-in adaptor. FR 20-20,000 Hz  $\pm$  3 dB; imp 32 ohms; max power 100 mW; sens 100 dB at 1 mV/ch at 1,000 Hz. 0.5 oz. .... \$15

### SL-60 Headphones

Lightweight design with adjustable headband. Features soft-ear cushions; 45-in cord; mini plug; mini-to-1/4-in adaptor. FR 50-18,000 Hz  $\pm$  3; imp 32 ohms; max power 100 mW; sens 92 dB at 1 mV/ch at 1,000 Hz. 1.75 oz. .... \$10

### SL-40 Headphones

Lightweight design with adjustable headband. Features flexible-pivot earpiece mounts; 45-in cord; mini plug; mini-to-1/4-in adaptor. FR 50-16,000 Hz  $\pm$  3 dB; imp 32 ohms; max power 50 mW; sens 80 dB at 1 mV/ch at 1,000 Hz. 1.5 oz ..... \$5

## NAKAMICHI

### SP-7 Headphones

Lightweight design utilizing 25-micron-thick polyester film with 40.5-mm diameter and 18.3-mm voice coil. FR 20-20,000 Hz; imp 45 ohms; max power 100 mW; 10-ft cable; standard 1/4-in phone plug. .... \$100

## PANASONIC

### EAH-X250 Headphones

Closed-back, 2-way headphones with 1/4-in dome woofers and 1/4-in dome tweeters. Features neodymium woofer magnets; 10-ft cord; 1/4-in stereo plug; mini stereo-plug adaptor. FR 2-30,000 Hz; sens 106 dB; imp 55 ohms at 1,000 Hz. 10.6 oz ..... \$180

### EAH-X150 Headphones

Closed-back headphones with 1/2-in dome drivers. Features polyethylene naphthalate diaphragms; neodymium magnets; 10-ft cord; 1/4-in stereo plug; mini stereo-plug adaptor. FR 5-35,000 Hz; sens 107 dB; imp 63 ohms at 1,000 Hz. 4.8 oz ..... \$130

### EAH-X120 Headphones

Closed-back headphones with 1/2-in dome drivers. Features polyethylene naphthalate diaphragms; neodymium magnets; 10-ft cord; mini stereo plug with adaptor; 1/4-in stereo plug. FR 8-33,000 Hz; sens 107 dB; imp 45 ohms at 1,000 Hz. 4.6 oz ..... \$95

### EAH-X80 Headphones

Closed-back headphones with 1/2-in dome drivers. Features rare-earth magnets; polyethylene naphthalate diaphragms; 10-ft cord; mini stereo-plug adaptor. FR 8-30,000 Hz; sens 105 dB; imp 45 ohms at 1,000 Hz. 4.4 oz ..... \$55

### EAH-S24 Open-Air Headphones

Lightweight headphones with adjustable headband. Features 4-ft cord; mini stereo plug; 1/4-in-plug adaptor. Sens 100 dB; imp 32 ohms at 1,000 Hz. 1 1/2 oz ..... \$20

# HEADPHONES

## EAH-Z9 Earphones

Lightweight earphones with folding headband and removable speaker units. Features 3½-ft cord; mini stereo plug. Frequency response 30-20,000 Hz; sens 102 dB; imp 16 ohms at 1,000 Hz. 0.7 oz ..... \$18

## EAH-S14 Open-Air Headphones

Features adjustable headband; 4-ft cord; mini stereo plug; ¼-in-plug adaptor. Sens 98 dB; imp 32 ohms at 1,000 Hz. 2 oz ..... \$13

## PICKERING

### CD-5 Headphones

Lightweight. Features high-velocity element with polyester-film diaphragm and samarium-cobalt magnets. FR 20-20,000 Hz; sens 110 dB SPL/W/m; 7½-ft cord with gold-plated stereo plug and mini stereo adaptor ..... \$80

### CD-4 Headphones

Lightweight. 7½-ft cord with gold-plated plug. FR 20-20,000 Hz; sens 110 dB SPL/W/m ..... \$66

### PC2+2 Earphones

Features dual samarium-cobalt magnet drivers (2 per bud); ¼-in gold-plated adaptor plug and roll-up storage-case. Imp 35 ohms at 1,000 Hz; sens 106 dB SPL/mW at 1,000Hz; Frequency response 10-25,000 Hz; max input 50 mW; 4-ft cord; 12 g ..... \$60

### CD-2 Headphones

Lightweight. Features samarium-cobalt drivers. FR 20-20,000 Hz; 7½-ft cord with standard stereo plug; Y-type 4-conductor cord ..... \$50

### Featherfone 108 Earphones

Features volume control. FR 20-20,000 Hz; sens 105 dB SPL 0.25V at 1,000 Hz for each channel ..... \$45

### CD-1 Headphones

Intermediate-size elliptical-shaped headphones. FR 20-20,000 Hz; sens 105 dB; 7-ft Y-type cord with gold-plated mini stereo plug and standard stereo adaptor ..... \$35

### OA-99P Earphones

5-ft cord with mini stereo plug and mini ¼-in stereo adaptor. FR 20-20,000 Hz; sens 105 dB SPL/W/m ..... \$30

### Featherfone 104 Earphones

FR 20-20,000 Hz; sens 98 dB ..... \$30

Featherfone 102. Similar to above, sens 92 dB ..... \$25

### OA-88 Headphones

Headband or in-ear wear. High-velocity samarium-cobalt drivers; lightweight adjustable headband with replaceable foam cushions. FR 20-20,000 Hz; distortion <0.5% at 100 dB SPL; imp 32 ohms at 1,000 Hz; sens 98 dB SPL with 1-mW input at 1,000 Hz; max power 0.05 mW; mini stereo plug; 4-ft cord; 0.5 oz without cord ..... \$25

### PC 100 Earphones

Features extra ear cushions; ¼-in gold-plated plug; roll-up storage case; imp 35 ohms at 1,000 Hz; sens 100 dB at 1 mW at 1,000 Hz; FR 20-20,000 Hz; 4-ft cord; max input 50 mW. 0.25 oz ..... \$20

### OA-66P Earphones

Features strontium-ferrite magnets; lightweight adjustable headband with replaceable foam ear cushions. FR 20-20,000 Hz; distortion <0.5%; imp 32 ohms; sens 92 dB SPL with 1-mW input at 1,000 Hz; mini plug; ¼-in adaptor plug; 1 oz without cord ..... \$15

## OA-44 Open-Air Headphones

Lightweight open-air design. FR 20-18,000 Hz; distortion <½%; sens >90 dB SPL/W/m; input imp 32 ohms; max power 100 mW ..... \$3.95

## PIONEER

### SE-M90 Headphones

Midsized with 32-ohm nom imp. Features ceramic-titanium diaphragm; 1,000-mW max power input per channel; FR 3-50,000 Hz; 16-ft, 5-in connection cord; 9 oz ..... \$125

### SE-M70 Headphones

32-ohm nom impedance. Features ceramic-titanium diaphragm; 1,000 mW max power input per channel; FR 3-50,000 Hz; 16-ft, 5-in connection cord; 9 oz ..... \$100

### SE-72 Headphones

1.9-g samarium-cobalt magnet drivers; 1½-in polyethylene diaphragm ..... \$75

### SE-M50 Headphones

32-ohm nom impedance. Features ceramic-titanium diaphragm; 1,000 mW max power input per channel; FR 3-50,000 Hz; 16-ft, 5-inch connection cord; 8.1 oz ..... \$70

### SE-62 Headphones

Closed-ear-design with 32-mm diaphragms. Y-type connector; 3-m OFC litz-type cord; nickel-coated, 2-way plug type; adjustable headband. FR 8-25,000 Hz; imp 28 ohms; sens 103 dB. 4.2 oz ..... \$60

### SE-205 Headphones

Rounded-cup with 10-ohm nom imp. Features 500 mW max power input per ch; FR 20-20,000 Hz; 8-ft, 2-in cord; 1 lb ..... \$45

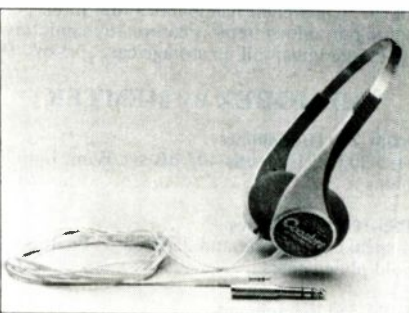
### SE-52 Headphones

0.55-g samarium-cobalt magnet driver; 1.2 in polyethylene diaphragm ..... \$45

### SE-C5P Headphones

Open-ear-design with 38-mm diaphragms. Y-type connector; 2-m OFC litz-type cord; nickel coated, 2-way plug type; adjustable headband. FR 12-22,000 Hz; imp 40 ohms; sens 100 dB. 2.6 oz ..... \$40

SE-C5Y. Same as above. Pink ..... \$40



Pioneer SE-C5Y

### SE-32 Headphones

3.6-g ferrite-magnet driver; 1½-in polyethylene diaphragm ..... \$35

### SE-22 Headphones

Open-ear-design with 38-mm diaphragms. Y-type connector; 2-m OFC litz-type cord; nickel-coated, 2-way plug type; adjustable headband. FR 30-18,000 Hz; imp 36 ohms; sens 96 dB. 2.2 oz ..... \$30

### SE-12 Headphones

Open-ear-design with 28-mm diaphragms. Y-type

connector; 1.5-m OFC litz-type cord; nickel coated, 2-way plug type; adjustable headband. FR 80-22,000 Hz; imp 30 ohms; sens 94 dB. 2.1 oz ..... \$22

## REALISTIC BY RADIO SHACK

### PRO-70 Headphones

Soft-cushioned earcups; volume control built-in to cord. FR 15-25,000 Hz; OFC 8-ft cable ..... \$70

### PRO-60 Headphones

Variable-density ear cushions with 10-ft coiled cord. Includes ¼-in phone plug. THD <0.5%; <8 oz ..... \$50

### PRO-25 Headphones

OFC cable; in-line volume control; cushioned cups; 6-ft cord. FR 15-25,000 Hz ..... \$40

### LV-10 Headphones

Vented-back with 2-in drivers and 10-ft coiled cord. Features foam earpieces; soft vinyl-covered headband with self-adjusting yokes; THD 0.5%; imp 4-16 ohms; ¼-in plug ..... \$40

### Nova-66 Headphones

Features in-line volume/balance control; foam ear-cups, adjustable headband; 10-ft coiled cord; ¼-in plug. Frequency response 20-20,000 Hz ..... \$35

### Nova-55 Headphones

Samarium-cobalt magnets; mini plug. FR 20-20,000 Hz ± 3 dB; imp 3.2-600 ohms; max power 5 V. 3 oz ..... \$30

### Nova-40 Headphones

3½-in drivers and 10-ft coiled cord. Imp 4-16 ohms; soft-cushion earcups; padded adjustable headband; ¼-in plug ..... \$25

### Nova-45 Headphones

¼-in plug adaptor and rare-earth magnets and 6½-ft cord. FR 20-20,000 Hz ± 10 dB; imp 32 ohms; max power 40 mW. 3.3 oz ..... \$25

### Nova-53 Headphones

High-compliance diaphragms; 6½-ft cord. ¼-in plug. FR 50-20,000 ..... \$20

### Nova-10 Headphones

2-in drivers; adjustable vinyl headband with cushioned earpads. 6½-ft cord, ¼-in plug ..... \$17

Nova-16. Similar to Nova-10 level control ..... \$20

### Nova-37 Headphones

Folding headband; samarium-cobalt magnets; mini plug ..... \$16

### Nova-33 Headphones

Portable headphones with 4-ft cord. Foam ear cushions and ¼-in plug. 1¼ oz ..... \$12

### Nova 36 Headphones

Fold-up headphones with foam pads; flexible 4-ft, 2-oz cord with ¼-in mini plug ..... \$9

### Nova-34 Headphones

Imp 32 ohms; FR 40-20,000 Hz ± 3 dB; max power 100 mW; mini plug; 4-ft cord; 3 oz ..... \$6

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. Manufacturers' addresses and phone numbers are listed in the directory beginning on page 231.



# HEADPHONES

## RECOTON

### Pro-90 Headphones

Rosewood headphone features titanium elements ..... \$150

### Pro-60 Headphones

Features 40-mm titanium elements, positive-lock headband, and OFC cord with volume control. FR 5-30,000 Hz ..... \$80

### Pro-40 Headphones

Features 40-mm titanium elements with positive-lock headband ..... \$60

### Pro-50 Earphones

Features 16-mm element and 6-microns thin, OFC cord with volume control. Storage case included. FR 16-22,000 Hz ..... \$40

### Pro-30 Headphones

Features 30-mm titanium elements. FR 18-22,000 Hz ..... \$40

### Stereo-107 Headphones

Large cup style with samarium-cobalt magnets and polyester-film diaphragm ..... \$30

### Stereo-200 Headphones

Features high-output samarium-cobalt elements ..... \$19.95

### Stereo-97 Headphones

Features samarium-cobalt magnet and polyester-film diaphragm ..... \$19.95

## RHAPSODY BY ALARON

### RY-251 Headphones

Compact headphone buds; coil-up storage and carrying case; standard stereo jack and mini-plug adaptor. FR 12-24,000 Hz; sens 108 dB SPL/W/m; imp 18 ohms at 1 KHz ..... \$15

### RY-252 Headphones

Adjustable and folding headband; standard stereo plug and mini-plug adaptor. FR 16-22,000 Hz ..... \$15

### RY-245 Headphones

1/4-in stereo adaptor plug; 3 1/2-mm mono adaptor plug; 2 extra sets of earpads ..... \$10

RY-242. As above without accessories ..... \$5

## SENNHEISER

### HD 540 Gold Open-Air Headphone

Limited-edition design. 10-foot stranded-steel cable with 24-karat gold 1/4-inch stereo plug. Matte-black design. FR 16-25,000 Hz; sens 94 dB SPL/W/m; THD <0.4%; 8.7 oz ..... \$349

### HDI 234 HiDyn Wireless Headphone

Features volume slide controls for L/R channels; three-position switch for stereo, mono channel 1 and mono channel 2. HiDyn noise-reduction system. Notch-adjustable headband. FR 20-20,000 Hz ..... \$289

SI 234. Transmitter for HDI 234. 12 infrared diodes and overmodulation display. Compatible with any hi-fi unit and stereo TV via universal plug connector PX-1. Frequency response 20-20,000 Hz ..... \$295

### HD 560 Ovation Open-Air Headphone

Features neodymium-ferrous magnet system; aluminum driver coil; dome damped silk diaphragm; 3-m steel cable. FR 16-30,000 ± 3 dB; imp 300 ohms; sens 84 dB SPL/W/m; THD <0.2%. 8.75 oz ..... \$269

### HD 250 Headphones

Closed-cushion headphone with resonance-free

transmission. FR 16-25,000 Hz; sens 94 dB SPL/W/m; THD <0.2%; imp 600 ohms. 8.7 oz ..... \$225

### HD 25 Headphones

Features supra-aural design; 10-ft cord; FR 16-30,000 Hz; sens 105 dB SPL/W/m; THD 0.5%; imp 70 ohms. 5 oz ..... \$219

### HD 540 Open-Air Headphones

Features integral acoustical silk damping diaphragm; FR 16-25,000 Hz; sens 94 dB SPL/W/m; THD <0.4%; imp 600 ohms. 8.7 oz ..... \$199

### HD 530 Headphones

Features supra-aural design; 10-ft cord; FR 20-25,000 Hz; sens 94 dB SPL/W/m; THD <0.3%; imp 600 ohms. 8.3 oz ..... \$179

### HD12S 405 Wireless Headphones

Features transmitter that plugs into headphone jack of any receiver or amplifier for wireless transmission. Has individual volume controls; rechargeable battery. FR 50-8,000 Hz. 2.9 oz ..... \$169

SI2S. Transmitter for HD12S. FR 40-12,000 Hz ..... \$169

### HD 520 Open-Air Headphones

Features neodymium-ferrous magnet structure. FR 18-22,000 Hz; sens 94 dB SPL/W/m; THD <0.3%; imp 600 ohms. 7.5 oz ..... \$159

### HD 490 Headphones

Features supra-aural design; 10-ft cord; FR 18-22,000 Hz; sens 94 dB SPL/W/m; THD 0.1%; imp 70 ohms. 4.8 oz ..... \$119

### HD 480 Open-Air Headphones

Features neodymium iron magnets; cushioned headband; 10-ft steel-stranded cable; 1/4-in phone adaptor. FR 18-22,000 Hz; sens 94 dB SPL/W/m; THD <1%; imp 70 ohms. all components are user replaceable. 4.6 oz ..... \$109

### HD 450 Studio Headphones

Features supra-aural design; 10-ft cord; FR 20-20,000 Hz; sens 94 dB SPL/W/m; THD 1%; imp 600 ohms. 4.8 oz ..... \$99

### HD 450 Headphones

Features neodymium iron magnets; 10-ft stranded-steel cable; 1/4-in adapter; FR 20-20,000 Hz; sens 94 dB SPL/W/m; THD <1%; imp 70 ohms. Components user replaceable. 4.6 oz \$89

### HD 40 Headphones

Features supra-aural design; 4-ft cord; FR 22-18,000 Hz; sens 90 dB SPL/W/m; THD <1%; imp 50 ohms. 2.1 oz ..... \$59

## SIGNET

### TK44 Headphones

Electret-condenser headphones with adaptor box; low-mass diaphragm; double-headband system; LED overload indicator; 8-ft OFC cord. Frequency response 10-22,500 Hz ± 3 dB; matching imp 4-16 ohms; sens 100 dB at 1 V/ch at 1,000 Hz ..... \$300

### EP700 Open-Back Headphones

Circumaural design; samarium-cobalt magnets; OFC voice coil. FR 20-23,000 Hz; matching imp 4-16 ohms. 7.5 oz ..... \$150

### EP500 Closed-Back Headphones

Circumaural design; samarium-cobalt magnets; OFC voice coil. FR 20-22,000 Hz; matching imp 4-16 ohms. 7 oz ..... \$125

### EP400 Headphones

Samarium-cobalt magnets; moving coil. FR 20-22,000 Hz. 5.75 oz ..... \$100

### EP350 Headphones

Samarium-cobalt magnets; gold-plated mini-plug with phono plug adapter. FR 20-25,000 Hz; matching imp 4-16 ohms ..... \$60

### EP300 Headphones

Samarium-cobalt magnets; double-headband system; dual-swivel earpads; 1/4-in phono plug with mini-plug adapter; Frequency response 20-20,000 Hz; matching impedance 4-16 ohms. 6 oz ..... \$45

### EP100 Headphones

Samarium-cobalt magnets; gold-plated mini-plug with 1/4-in phono-plug adaptor; Frequency response 20-20,000 Hz; matching imp 4-16 ohms. 1.75 oz ..... \$30

## SONY

### MDR-R10 Headphones

Digital reference headphones made of bio-cellulose and Japanese Zelkova wood. Features Greek sheepskin earpads. Available through special order only ..... \$4,000

### MDR-CD999 Headphones

Circumaural design ..... \$250

### MDR-1F5K Cordless Headphones

Cordless headphones using infrared technology. Features built in NiCd battery and arc-shaped transmitter/recharger. Includes AC power adaptor; mini/phone plug adaptor; stereo RCA/mini adaptor ..... \$200

### MDR-V7 Headphones

Closed-ear monitor headphones with 40-mm driver unit; gold-plated Unimatch plug. FR 5-30,000 Hz; sens 106 dB 1 mV/ch; imp 63 ohms. 8 oz ..... \$120

### MDR-V6 Headphones

Closed-ear-type headphones with folding headband; 40-mm driver unit; oval earpads; Unimatch plug; OFC litz cord. Imp 63 ohms; sens 106 dB/mW; rated power 0.3 W; power handling 1 W; FR 5-30,000 Hz ..... \$100

### MDR-V5 Headphones

Closed-ear headphones with 30-mm driver unit; gold-plated Unimatch plug. Frequency response 10-26,000 Hz; sens 104 dB 1 mV/ch; imp 45 ohms. 5.8 oz ..... \$100

### MDR-CD6 Headphones

Supra-aural headphones with sealed-ear design; 30-mm-dome driver units; spring-loaded soft-touch elliptical earpads; independent left/right side click-sliders; Unimatch plug; gold-coated double-layer high-molecule film diaphragm and copper-clad aluminum voice coil. Imp 45 ohms at 1,000 Hz; sens 110 dB/mW; rated power 0.1 W; power handling 0.5 W; frequency response 2-25,000 Hz; cord length 9.8 ft; 3.9 oz ..... \$120

MDR-M66. As above with less bass response ..... \$95

### MDR-V4 Headphones

Closed-ear-type headphones with rugged folding headband; 30-mm driver unit; one-sided cord; Unimatch plug; OFC litz cord. Imp 45 ohms; sens 104 dB/mW; rated power 0.1 W; power-handling 0.5 W; FR 10-25,000 Hz. Includes case ..... \$80

MDR-V2. Similar in design to MDR-V4 ..... \$50

MDR-V1. Similar in design to MDR-V4 ..... \$30

### MDR-E484 Earphones

In-ear headphones with Acoustic Twin Turbo Circuit; Unimatch plug; reel-type case. FR 10-30,000 Hz; sens 108 dB 1 mV/ch; imp 18 ohms. 2 oz ..... \$80

# HEADPHONES

## MDR-S505 Open-Air Headphones

Volume and tone controls; large earpads; 30-mm-dome driver units; one-sided cord; Unimatch plug. Imp 45 ohms; sens 104 dB/mW; rated power 0.04 W; power handling 0.1 W; frequency response 15-24,000 Hz; 9-ft, 10-in cord; 2.1 oz ..... \$70

## MDR-A60 Earphones

Vertical in-ear-type headphones with Acoustic Turbo-Circuit; 16-mm sapphire driver units; curved headband design with 3-point folding mechanism; OFC litz wire; Unimatch plug. Imp 18 ohms at 1,000 Hz; sens 108 dB/mW; rated power 0.03 watts; power handling 0.05 watts; FR 10-25,000 Hz; cord length 47.2-in; 0.7 oz \$70

## MDR-M33A Headphones

Elliptical earpads; one-sided cord; Unimatch plug; 23-mm dome driver units. Imp 25 ohms at 1,000 Hz; sens 100 dB/mW; rated power 0.05 W; power handling 0.1 W; FR 15-14,000 Hz; cord length 9.8 ft; 1.7 oz ..... \$60

## MDR-M22 Headphones

With Unimatch plug and one-sided cord. FR 15-24,000 Hz; sens 100 dB 1 mV/ch ..... \$60

## MDR-S303 Open-Air Headphones

Large-size earpads; 30-mm-dome driver units; one-sided cord; stereo Unimatch plug. Imp 45 ohms; sens 104 dB/mW; rated power 0.04 W; power handling 0.1 W; FR 15-22,000 Hz; cord length 9 ft, 10 in; 1.9 oz ..... \$50

## MDR-E464 Earphones

In-ear-type headphones with gold-plated L-shaped mini plug; Acoustic Turbo Circuit. Imp 13.5 ohms at 1,000 Hz; sens 104 dB/mW; frequency response 18-22,000 Hz; cord length 39% in; 0.17 oz ..... \$40

## MDR-62 Open-Air Headphones

30-mm drivers; Acoustic Turbo Circuitry; Unimatch plug. FR 14-24,000 Hz; sens 104 dB 1 mV/ch; imp 45 ohms ..... \$40

## MDR-S101 Open-Air Headphones

23-mm-dome driver units; large earpads; Unimatch plug adaptor. Imp 32 ohms; sens 98 dB/mW; rated power 0.04 W; power handling 0.1 W; FR 20-20,000 Hz; cord length 6.5 ft; 1.9 oz ..... \$30

## MDR-32 Open-Air Headphones

23-mm drivers; Acoustic Turbo Circuitry; Unimatch plug. FR 16-22,000 Hz; sens 100 dB 1 mV/ch; imp 25 ohms ..... \$30

## MDR-S101MKII Open-Air Headphones

23-mm-dome driver units; Unimatch plug. FR 20-20,000 Hz; sens 98 dB 1 mV/Ch; imp 32 ohms. 1.9 oz ..... \$30

## MDR-A15L Earphones

Water-resistant in-ear headphones with mini plug. FR 18-22,000 Hz; sens 104 dB 1 mV/ch; imp 16 ohms. 0.5 oz ..... \$25

## MDR-E225 Headphones

Water-resistant headphones with neck-chain cord; mini plug; carrying case. FR 18-22,000 Hz; sens 104 dB 1 mV/ch; imp 16 ohms. 0.18 oz \$25

## MDR-022 Headphones

Lightweight with plug and adaptor. FR 20-20,000 Hz; sens 98 dB 1 mV/ch; imp 32 ohms. 1.1 oz ..... \$23

## MDR-E434 Earphones

In-ear headphones with mini plug and carrying case; Acoustic Twin Turbo Circuit. FR 16-22,000 Hz; sens 104 dB 1 mV/ch ..... \$20

## MDR-P1 Open-Air Headphones

23-mm driver units; Unimatch plug. FR 20-20,000 Hz; sens 96 dB 1 mV/ch; imp 32 ohms. 3.2 oz ..... \$20

## MDR-012 Headphones

Lightweight with plug and adaptor. FR 20-20,000 Hz; sens 98 dB 1 mV/ch; imp 32 ohms. 0.9 oz ..... \$14.95

## MDR-E424 Earphones

In-ear headphones with mini plug and carrying case. FR 20-20,000 Hz; sens 104 dB 1 mV/ch; imp 16 ohms. 0.18 oz ..... \$15

## MDR-006L Headphones

Lightweight with mini plug. FR 30-17,000 Hz; sensitivity 96 dB 1 mV/ch; impedance 32 ohms. 1 oz ..... \$9.95

## MDR-E414 Earphones

In-ear headphones with mini plug. FR 20-20,000 Hz; sens 104 dB 1 mV/ch; imp 16 ohms. Weight: 0.4 oz ..... \$9.95

## MDR-W05L Earphones

Lightweight in-ear headphones with 13.5-mm driver unit; Acoustic Twin Turbo Circuit; mini plug. FR 18-22,000 Hz; sens 104 dB 1 mV/ch; imp 16 ohms. 0.42 oz ..... \$9.95

## MDR-006 Headphones

Lightweight with plug and adaptor. FR 30-17,000 Hz; sens 96 dB 1 mV/ch; imp 32 ohms. 1 oz ..... \$7.95

## STAX

### SR-Lambda + SRM-T1 Powered Headphone

Includes amplifier. SRM-T1 is 2-stage driver unit incorporating dual FET's and twin 6FQ7/6CG7 triode output tubes; the ear-speaker's transducing diaphragm is 1 micron thick; 8-ft pure crystal cast cord. SR-Lambda: FR 7-41,000 Hz; imp 129,000 Hz at 10,000 Hz; sens 101 dB/100V rms at 1,000 Hz. SRM-T1: FR DC-20,000 Hz  $\pm$  1 dB; gain 60 dB; THD 0.02% at 1,000 Hz ..... \$2,000  
SRE-Signature. 5-meter extension cord for the above. OCC cable ..... \$200

### SR-Lambda/SRM-1 Mk2 Powered Headphones

Panoramic-imaging professional system with Class-A direct-drive amp. Connects to pre-out or record outputs. Frequency response DC-20,000 Hz  $\pm$  1 dB; impedance 50,000 ohms; sensitivity 102 dB SPL with 1-mW input of 1,000 Hz; min power 0.00005 mW; cord length 7 ft; 15.1 oz with cord ..... \$1,200  
SRE-16. Five-meter extension cord for SR-Lambda ..... \$100

### SR-Lambda/SRD-7 Electrostatic Headphone

Panoramic-imaging professional electrostatic system with energizing adaptor that connects to amp outputs. Features circumaural design. FR 8-20,000 Hz  $\pm$  1 dB; imp 8 ohms; sens 102 dB SPL with 1 W input of 1,000 Hz; max power 10,000 mW; cord length 7 ft; 15.1 oz with cord ..... \$750

### SR-Lambda Electrostatic Headphones

Panoramic-imaging electrostatic system with energizing adaptor. Frequency response 8-35,000 Hz  $\pm$  2 dB; impedance 8 ohms; sensitivity 102 dB SPL with 1-mW input of 1,000 Hz; maximum power 10,000 mW; cord length 7 ft; 15.1 oz with cord ..... \$600

### SR-Gamma Electrostatic Headphones

Circumambient-imaging electrostatic ear-speakers system with energizing adaptor. FR 10-35,000 Hz; sens 102 dB/100 V rms; max output 109 dB ..... \$400

## SR-5/NB Electrostatic Headphones

Electrostatic system with energizing adaptor. FR 25-25,000 Hz  $\pm$  2 dB; imp 8 ohms; sens 97 dB SPL with 1-mW input of 1,000 Hz; max power 10,000 mW; special connector; cord length 7 ft; 13.9 oz with cord ..... \$350

## SR-84 Lambda Jr. Pro Headphones

Electret system with energizing adaptor. FR 20-20,000 Hz  $\pm$  2 dB; imp 8 ohms; sens 95 dB SPL with 1-mW input of 1,000 Hz; max power 10,000 mW; cord length 7 ft; 7.5 oz with cord ..... \$300

## SR-34 Pro Headphones

Electret system with energizing adaptor. FR 25-20,000 Hz  $\pm$  2 dB; imp 8 ohms; sens 95 dB SPL with 1-mW input of 1,000 Hz; max power 10,000 mW; cord length 7 ft; 8 oz with cord \$200

## Accessories

### SRD-P Adaptor

Portable adaptor for Professional Series Electrostatic headphones. Connects to preamp outputs or directly to output of portable CD player or tape player. Operates on batteries or AC power. Gain control: FR 20-25,000 Hz ..... \$300

### SRD-X Adaptor

Portable adaptor that allows Stax electrostatic and electret ear-speakers to be connected to a headphone jack. Operates on batteries or AC power adaptor. Features gain control. FR 25-25,000 Hz  $\pm$  3 dB; imp 300 ohms; max power 0.03 mW ..... \$200

SRE-15/N. 5-meter extension cord ..... \$40

## TECHNICS

### EAH-X15 Headphones

Features flat-disc diaphragm; copper-clad voice coils; samarium-cobalt magnets; stereo mini-plug; standard stereo headphone adaptor ..... \$120

## UHER OF AMERICA

### W765A Headphones

Half-open-design stereo headphones with 3-m cable. Features automatic strap adjustment; gimbaled earcups. Frequency response 16-20,000 Hz; SPL 94 dB SPL/W/m; impedance 600 ohms; nom loading capacity 200 mW; total harmonic distortion 1.0%. 330 g ..... \$96

### W 766A Headphones

Lightweight headphones with 8-ft coiled cord. Adjustable headband. FR 20-20,000 Hz; imp 200 ohms at 1,000 Hz. 2.2 oz ..... \$96

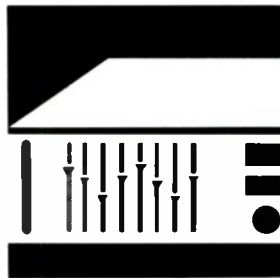
## YAMAHA

### YHD-1 Headphones

Foldable headphones. Features mini connector; phone connector. FR 20-20,000 Hz  $\pm$  3 dB; imp 125 ohms; max power 1,000 mW; SPL 100 dB/W/m (109 dB/V); ..... \$80  
YHD-2. Similar to above. 97 dB/W/m ..... \$60  
YHD-3. Similar to above. 97 dB/W/m ..... \$40

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# SIGNAL · PROCESSORS



## ACCUPHASE BY MADRIGAL

### G-18 33-Band Graphic Equalizer

Third-octave stereo graphic equalizer with separate power supply for each ch; fully balanced inputs and outputs; 66 individual filter amps. Champagne-gold or black-anodized finish. S/N 110 dB. 17½ x 6½ x 14¼ in; 26 lb, 6 oz. \$5,450

### F15L Active Crossover

For stereo bi- or triamplification; plug-in boards select crossover frequencies and slopes; 0.5 dB-per-step level controls from 0 dB to 20.5 dB for passbands. S/N 100 dB ..... \$4,200

## ACE AUDIO

### 6500-SF Active Crossover

Designed for subwoofers to provide extra bass below 100 Hz. Crossover frequencies from 40-200 Hz slope 12 dB/octave. Distortion 0.002% at 2 V output; includes 1 frequency module \$200  
**6500-DSB.** As above, no filter ..... \$175

### 6000-SF Active Crossover

Designed for bi- or triamp systems. Features built-in subsonic filter (18 dB/octave below 15 Hz) plug-in frequency module; low 15 Hz; 15 possible crossover frequencies from 200-10,000 Hz at 12-dB/octave; 2 tweeter-level controls. THD and IM 0.002%; input imp 220 kohms; output imp 100 ohms; hum and noise <90 dB \$200  
**6000.** As above, without subsonic filter .. \$175

### 6000-6 Active Crossover

Features interchangeable frequency module, 6 dB/octave slope, dual level controls. Distortion 0.002%; noise -95 dB ..... \$194

## ADC

### Soundshaper 910 12-Band Equalizer/Analyzer

Graphic EQ with slider controls and spectrum analyzer. Center frequencies at 25, 40, 63, 100, 160, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; 12-dB boost/cut range. Remote control; 4 EQ presets; tape-monitor loop; EQ record and defeat buttons. FR 20-20,000 Hz ±1 dB; THD <0.01%; S/N 90 dB ..... \$400

### Soundshaper 310 10-Band Equalizer/Analyzer

Graphic EQ with slider controls and spectrum analyzer. Center frequencies at 31.5, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; 15-dB boost/cut range. Sensitivity control; pink-noise generator; tape-monitor loop; subsonic filter. FR 20-20,000 Hz ±1 dB; THD <0.03%; S/N 100 dB ..... \$200

### Soundshaper 200 10-Band Graphic Equalizer

Graphic EQ with slider controls and spectrum-analyzer display. Center frequencies at 31.5, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; 15 dB boost/cut range. Sensitivity control; subsonic filter. FR 20-20,000 Hz ±1 dB; THD <0.03%; S/N 100 dB ..... \$150

### Soundshaper 90 10-Band Graphic Equalizer

Graphic EQ with slider controls and spectrum-analyzer display. Center frequencies at 31.5, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; 12 dB boost/cut range. Sensitivity control; tape-monitor loop; EQ record and defeat buttons. FR 20-20,000 Hz ±1 dB; THD <0.03%; S/N 90 dB ..... \$130

## ANODYNE GROUP

### ADAPT D/A Converter

Vacuum Tube Hybrid Digital Audio Processor; 8x oversampling; 18-bit DAC's; discrete bipolar Class A current to voltage circuits; 6DJ8 push-pull cathode followers in final filter and output drive; phase-inversion switch; muting for digital and analog circuits; 2.5 V output level; one coax digital input; auto-selection of 32, 44.1, and 48k sampling frequency; fixed and variable line outputs; FR 4-20,000 ±0.3 dB; S/N 112 dB; THD 0.03%; 17½ x 3¼ x 12 in; 26 lb ... \$2,295  
**FET-ADAPT.** As above, but with high-current Hexfets instead of vacuum tubes in final stages; fixed outputs; 2.7 V output level ..... \$1,695

## ARAGON BY MONDIAL DESIGNS

### D2A D/A Converter

18-bit D/A converter with 2 separate internal circuit boards; Class A dual-mono analog board. Features compatibility with CD, DAT, video; phono circuit topology; 11 separate DC power supplies; removable IC's. FR 2-20,000 ±0.3 dB; THD 0.009%; S/N 110 dB ..... \$995

## ARCAM

### Arcam Delta D/A Converter

Features 4x oversampling; 16-bit dual D/A converters; shared power supplies. Absolute phase-reversal switch; gold-plated phono sockets. 17 x 10¾ x 2¾ in; 11 lb. Black ..... \$650  
**Black Box 2.** As above, dealer may install optical input to Delta Black Box. Auto switching from 44.1-to-48 kHz for DAT players .... \$800

## ARCHER BY RADIO SHACK

### Archer Surround-Sound Decoder/Amplifier

Stereo synthesizer; tone control; front/rear and left/right balance controls. Three selectable inputs; tape output. 5 W/ch; THD 0.5% at 1,000 Hz, 2W; FR, front, 40-20,000 Hz ±3 dB; FR, rear, 80-7,000 Hz ±3 dB; S/N 70 dB ..... \$130

## AUDIO CONTROL

### C-131 30-Band Equalizer

30-band, constant-Q mono equalizer. Can operate in tape monitor loop or between preamp and amplifier; 18 dB/octave subsonic filter with user-switchable rolloff frequencies. THD 0.005%; S/N 105 dB; FR 10-85,000 ±0.5 dB. 5-yr warranty ..... \$549

### C-101 Series Two 10-Band Equalizer/Analyzer

10-band stereo graphic equalizer with slider controls, 101-LED spectrum-analyzer display. Center frequencies at 32, 60, 120, 240, 480, 960, 1,920, 3,840, 7,680, 15,500 Hz; ±15 dB boost/cut range; 18 dB/octave subsonic filter with -1 dB subsonic roll off at 25 Hz, -3 dB rolloff at 20 Hz, -21 dB rolloff at 10 Hz; phase correlation, rumble-reduction circuit. Selectable peak-reading modes (fast/slow); horizontal LED's indicate SPL; switchable calibration levels from 2 to 4 dB. Variable input sens; auto mic/line input switching; pink-noise generator; FR 3-100,000 Hz ±0.75 dB; distortion 0.009%; S/N 116 dB; input/output imp 100/150 ohms ..... \$429

### Richter Scale III Crossover/Bass EQ/Analyzer

Combines programmable Linkwitz-Riley 24-dB/octave electronic crossover, 6-band half-octave bass equalizer, and warble test-tone analyzer. Center frequencies at 22.5, 31.5, 45, 63, 90 and 125 Hz; ±12 dB boost/cut range. Source/tape monitoring; mono and inverted mono outputs for bridging; gold-plated jacks. FR 3-100,000 Hz ±1 dB; THD 0.005%; input imp 100,000 ohms; output imp 150 ohms, S/N 120 dB. 5-year warranty ..... \$349

### Ten Plus Series Two 10-Band EQ/Analyzer

10-band stereo equalizer with slider controls; LED indicators in slide controls and warble tone-analyzer. 8 dB/octave subsonic filter; tape EQ with LED indicator. FR 3-100,000 Hz ±1 dB; THD 0.07%; S/N 120 dB. 5-year warranty ..... \$329

### Phase-Coupled Crossover/Bass Restorer

Active crossover with patented bass restoration circuitry. 18 dB/oct subsonic filter; 18 dB/oct crossover with output level control. Programmable electronic crossover; in/out switch; tape monitor; rack mount. FR 5-100,000 Hz ±3 dB; S/N 118 dB; THD 0.005%; IM 0.01% ... \$259

### Ten Series Two 10-Band Graphic Equalizer

10-band graphic equalizer with slider video sound input, and switching. Center frequencies 31.5, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; boost/cut range max 12 dB; 18 dB/octave subsonic filter. Features LED's in slide controls. FR 3-100,000 Hz ±1 dB; THD 0.005%; S/N 120 dB. 17 x 3¼ x 7¼ in ..... \$229

### The Architect In-Wall-Speaker Equalizer

6-band equalizer with center frequencies and filter Q's set to match frequency response characteristics of in-wall speakers. User-adjustable boost and cut controls for all 6 bands; subsonic filter with programmable rolloff frequency. THD 0.005%; S/N 110 dB; FR 5-50,000 Hz ±3 dB \$189

### Octave 10-Band Equalizer

10-band equalizer with paired-octave slider controls; tape-record EQ. 18 dB/octave subsonic filter. FR 3-100,000 Hz ±1 dB; S/N 118 dB; total harmonic distortion 0.008%. 2½ x 17 x 6 in; 6 lbs ..... \$159

# SIGNAL · PROCESSORS

## AUDIO RESEARCH

### EC22 Active Crossover

Two-way, solid-state design. Can be reconfigured for various crossover points and slopes (6, 12 or 18 dB/octave). Mute switch, auto muting and level matching. FR 0.02-450,000 Hz -3 dB; S/N 120 dB. 19 x 5 1/4 x 10 1/4 in. . . \$1,995

## AUDIOSOURCE

### EQ-Ten Graphic EQ/Analyzer

12-band-per-channel touch controls. Center points 25, 40, 63, 100, 160, 250, 500 Hz/1,000, 2,000, 4,000, 8,000, 16,000,  $\pm 1$  dB. 32-function wireless remote control; pink-noise generator. Computer controlled listening-room acoustics and equalization curve. 4 frequency-response curve presets. 2 tape connections; dubbing 1-2 and 2-1 with or without EQ; LED display for left and right channels; 12 LED indicators for spectrum analyzer. FR 5-120,000 Hz,  $\pm 1$  dB; THD 0.008% at 1V output; 16 1/2 x 3 1/2 x 8 3/4 in; 7.75 lb. . . \$430  
EQ-Nine. As above, no remote . . . \$300

### SS-Three Surround-Sound Processor

Features Dolby-Pro-Logic; built-in 30-W reach amp with line out for center and subwoofer channels plus additional line for surround for higher-power amplifiers; toroidal power transformer; switchable subwoofer crossover; variable subwoofer output-level control; switchable time delay; auto balance and auto calibration for left/right input signals; wireless remote control; rear, center, and master volume. FR 20-20,000 Hz  $\pm 3$  dB S/N 90 dB. . . \$400

### SS-One/II Surround-Sound Processor

Dolby Surround processor with variable surround-sound effects and 30-W rear-ch amp. Features variable time delay; LED audio-level indicators; preamp outputs; synthesis and matrix stereo/surround for non-Dolby-encoded software; 100, 10,000 Hz boost circuits. FR 20-20,000 Hz,  $\pm 3$  dB; S/N 85 dB. . . \$200  
SS-Two. Similar to above with remote . . . \$250

### EQ-Eleven Graphic EQ/Analyzer

10-band stereo graphic equalizer. Center points 30, 60, 120, 240, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz;  $\pm 12$  dB. Unity gain capability; switching capabilities include video/audio inputs and two complete tape loops; front-panel LED indicators; spectrum analyzer. . . \$200

### EQ-Eight/II Graphic Equalizer

10-band equalizer with 90-LED spectrum display. Features LED's on slide controls; control range  $\pm 12$  dB; audio inputs plus second set of inputs for video audio or other high-output sources; EQ-rec switch; EQ defeat; tape-monitor switch. FR 5-100,000 Hz,  $\pm 1$  dB; S/N -80 dB; THD 0.03%. 5 lb; 16 1/2 x 2 3/4 x 7 1/4 in; 5 lb. . . \$160

## AZDEN

### AVS-20 Audio/Video Selector

Features 4 A/V line inputs, 1 A/V line output, and 1 monitor output. Microphone input; S-VHS jacks; mixing balance control. FR 10-100,000 Hz; ch sep 80 dB at 1,000 Hz. . . \$140  
AVS-20. As above, no mic input/balance control . . . \$120

## BBE

### Sonic Maximizer

*Designed to correct phase and amplitude distortion inherent in all speakers. Unlike many equalizers or exciters, BBE processors are said not to add extra harmonics or noise to the*

*original material.*

BBE-422A. Dual-channel, rack-mountable for -10 dBu unbalanced line-level uses. . . \$349

BBE-322. Dual-channel, rack-mountable for -10 dBu unbalanced line-level uses. . . \$259

BBE-1002. For home audio systems. Separate low-contour control; definition control. . . \$229

## BRYSTON

### 10B Active Crossover

Front-panel switching controls filter settings, rolloff frequency, and slope. Discrete amplification buffer and filter stages. Passive filter components 1% metal-film resistors and polystyrene capacitors. Fully balanced (in and out) or unbalanced. Balanced. . . \$1,295  
Unbalanced . . . \$1,095

### BPG Phono Preamplifier

Preamplifier with only phono stage; available with balanced outputs; inverts polarity. MM phono sens 1.25 mV for 0.5-V output at 1,000 Hz; MM phono overload 200 mV; MM phono input capacitance 220 pF; MM phono S/N 80 dB; MC phono S/N 80 dB. . . \$650

### TF-1 MC Cartridge Step-Up Transformer

Preamplifier with only MC stage; designed to provide sufficient voltage to any preamplifier from low-output MC cartridges; does not invert polarity. Frequency response 5-30,000 Hz  $\pm 0.5$  dB; MC phono signal-to-noise ratio >85 dB unweighted. 2 x 3 x 4 in. . . \$500

## CARVER

### DPL-33 Dolby Pro Logic Decoder/Amplifier

Features Dolby Pro Logic decoding with automatic balance adjustment; 25 W for rear left/right and center channels; 2 delay settings; 24-LED display and volume controls for front left/right, center, and surround channels; remote control. FR 1-60,000 Hz +0, -0.03 dB; THD 0.05%; S/N 85 dB A-weighted. . . \$400

### H-9AV Sonic Hologram Generator

Vocal Zoom circuitry; includes additional L-R and L+R outputs. THD 0.01%; FR 5-60,000 Hz -0.3 dB; S/N 100 dB. . . \$300

### ECS-U Speaker-Enhancement System

Signal processor with Sonic Hologram Generator, high frequency trim equalization, bass "Q" equalization, Gundree Perspective presence equalization and sub-bass restoration circuitry. Connects in tape monitor or outboard processor loop of any receiver, preamplifier, or integrated amplifier. THD 0.01%; FR 5-60,000 Hz -0.3 dB; S/N 100 dB. . . \$300

### MCT Moving-Coil Transformer

Matches low output of moving-coil cartridge to standard moving-magnet phono stage. Selector switch for 3.9, 39, 110 ohms for virtually any moving-coil cartridge. Gain 24 dB; 1.5 lb. \$225

### Z-1 Wide-Band Z Coupler

Impedance-matching device enables Carver Magnetic Field power amplifier to be used with receiver or integrated amplifier. Presents non-inductive load to the amplifier in the receiver or integrated amplifier . . . \$49

## CARY AUDIO

### CAD-500 CD Audio Processor

Class A two-stage line amplifier. Features reverse phase canceling, 2 separate paths after entering CAD-500: (1) resistive voltage divider time-sequence network, (2) ceramic RF trimmer capacitors tuned to pass audio and RF signals above human audibility . . . \$1,295

## CELLO

### The Audio Palette 6-Band Equalizer

Equalizer featuring Class A discrete circuitry; comprised of 48 discrete amplifiers; nine 59-notch rotary controls. Center frequencies at 15, 120, 500, 2,000, 5,000, 25,000 Hz; max boost or cut 24 dB; sep input controls for L and R; controls for absolute phase; EQ (out, in, blend), and output level (+10 to <-40 dB) . . \$10,500  
Master Power Supply. For above; 120 V AC . . . \$2,400

### Palette Preamplifier/6-Band Equalizer

6-band line-level preamp/equalizer with center frequencies at 20, 120, 500, 2,000, 5,000, 20,000 Hz. Controls: inputs 1-5, left/right input level, EQ in/out; output level. 5 RCA line-level inputs; 2 RCA record outputs . . . \$5,995

## CERWIN-VEGA

### DB-10B Bass Turbocharger

Bass equalizer with subsonic filter below 20 Hz. Features switchable 5/10-dB bass boost in 30-45 Hz range; tape monitor connections; THD < 0.025%; rated output 2 V rms . . . \$59

## COUNTERPOINT

### SA-9 Tube Phono Preamplifier/Equalizer

Vacuum-tube phono-cartridge preamplification and equalization system with independent MC and MM circuits. Isolinear design for max isolation and linearity. Input for MM and MC phono. FR 1-180,000 Hz,  $\pm 3$  dB; THD < 0.1% at 2V rms output level. 19 x 4 1/2 x 14 1/2 in; 20 lb. . . \$3,995

## DB SYSTEMS

### DB-3-36 In-Phase Crossover

2-way crossover with power supply. Features high and low outputs always in phase with one another; diode-protected inputs. THD < 0.0008%; input imp 90,000 ohms; output imp 1,400 ohms max; rated output 3 V into 10,000 ohms with 3-V input. . . \$565

### DB-3 2-Way Active Crossover

Fixed-frequency active crossover with 6 or 12 dB/octave slopes. Features separate power supply; screwdriver-adjustable output-level controls. FR 10-100,000 Hz  $\pm 3$  dB; S/N 100 dB; THD 0.003%. 8 1/2 x 3 1/4 x 7 in. 2.5 lb. . . \$292  
3-way, 18 dB/octave . . . \$539  
2-way, 18 dB/octave . . . \$384  
2-way, 100 Hz, 18 dB/octave . . . \$322

### DB-2A. Power supply

. . . \$85

### DBP-1. Auxiliary cable

. . . \$18

### DB-3-24 In-Phase Crossover

2-way, 24 dB/octave crossover minimizes irregularity in radiation pattern through crossover region. High- and low-pass outputs always in phase with one another, 6 dB down at crossover frequency. Requires DB-2A power supply or DBP-1 cable. User specifies frequency \$490  
DB-3-24-100. As above, set at 100 Hz. . . \$405

### DB-5 Tone Control

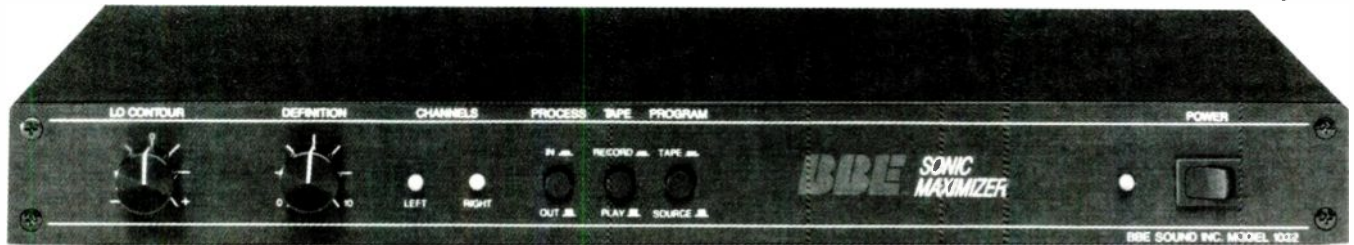
Tone control with 3 high- and 3 low-break frequencies; low-frequency-boost switch and outputs for sum and difference signals. FR 10-100,000 Hz  $\pm 3$  dB; S/N 96 dB; THD 0.0008%; IM 0.001%. Requires DB-2A power supply or DBP-1 aux cable if used with DB Systems equipment. 8 1/2 x 3 1/4 x 7 in; 2.8 lb. . . \$380  
DB-5AU. As above, with oak cabinet and gold-plated jacks . . . \$465

### DB-4B Moving-Coil Pre-Preamplifier

MC-cartridge pre-preamp with low-noise cascade amps, diode-protected inputs. Features

# "BBE® is the most hearable advance in audio technology since high-fidelity itself."

- Music Connection Magazine



The BBE 1002 for Home Audio / Video Systems

BBE® professional systems are used around the world in major broadcast corporations, recording studios and at concerts of world famous musicians. The BBE® system dynamically compensates for phase and amplitude distortion in electronically amplified sound. We could tell you how wonderful it can make your system sound, but instead we'll let some of the world's most respected consumer audio and professional music magazines tell you:

"The difference in processed audio and non-processed audio is like the difference between high-fidelity speakers with and without pillows placed in front of them."  
- **Radio World**

"There was no doubt the BBE processor added more spatial quality, more transients and more clean highs. This is the first black box that actually helped make my music sound the way that I knew it should. The effect is shattering!"  
- **Music Technology**

"Everything we heard from it sounded good, and it had no discernible flaws. Not too many products we test can justify the same conclusions."  
- **Julian Hirsch, Stereo Review**

"The sonic maximizer provides an audio system with a clearer spatial relationship between instruments. Plus, it seems to restore a recording's original depth. ... Music seems brighter and more alive. ... Particularly interesting is how good a cassette recording sounds when processed through the BBE."  
- **Hector G. La Torre, Audio Magazine**

"This piece is impressive. The system sounded cleaner, a lot crisper, brighter, and —simply put— better. The improvement on compact discs, is indescribable. I am not going to tell you that the signal sounded live, but it sure got pretty close."  
- **DJ Times**

To us, the sound was immediately brighter, airier, and more sparkling, with added punch and snap to transients, more bite to sharp attacks, and more sheen to strings and vocals.... The result is nothing short of - using the term literally - sensational."  
- **Car Stereo Review**

"Forgive us if we rave unabashedly about BBE Sound's Sonic Maximizer... And what does it do? Well, it makes just about everything sound marvelous. With virtually no effort. No kidding."  
- **Keyboard Magazine**

"BBE® restores a proper stereo imaging and separation. As much as 15-20% increase in apparent openness and separation... brighten almost any input source and move the soundstage forward."  
- **Stereophile Magazine**

The BBE® 1002 is available at these and other famous stores:

- Macys**-New York, New Jersey and the Southeast
- Leo's Stereo**-So. Calif.
- ABC Warehouse**-Michigan
- Sound City**-Kinnelon, NJ
- Harry's Music Store**-Honolulu
- Union Premium**-Las Vegas

**BBE®  
Sound Inc.**

5500 Bolsa Ave., Suite 245, Huntington Beach, CA 92649. (714) 897-6766. In Canada, contact Korbon Trading, 5600 Kitimat Dr., Mississauga, Ontario L5N 5M1. (416) 567-1920  
If you don't live near a BBE dealer, you can buy from us. Call us at 1-800-233-8346 or in CA 1-800-558-3963. OR complete and send us the coupon below.

Send me \_\_\_\_\_ BBE 1002 unit(s) at \$229 each.  
(US currency only. California residents add applicable sales tax. Price includes UPS ground shipping charges. For UPS overnight shipping, add \$19. For UPS 2nd day shipping, add \$9.)

Enclosed is a check for \$ \_\_\_\_\_  
Or please charge to my: \_\_\_\_\_  
 Visa  MasterCard  American Express

Card # \_\_\_\_\_

Exp. Date \_\_\_\_\_

Signature \_\_\_\_\_

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Area Code / Phone No. \_\_\_\_\_

**For your car's sound system, the BBE® 3012 will provide the same dramatic improvement. Available at Rockford Fosgate, Perfect Interface & Halter dealers across the US and Canada. For the dealer near you call: (800) 366-2349**

**All BBE® products are backed by a full year's warranty on all parts and labor.** Measuring 16 1/2" x 9" x 1 3/4", BBE fits perfectly into your audio rack. Then just plug it into your wall socket and a standard tape loop

# SIGNAL • PROCESSORS

internal low/medium/high-gain switch. THD 0.0008%; 20-20,000 Hz at 1 V; noise -86 dB at 1 mV; FR 10-100,000 Hz +0/-0.1 dB; input/output imp 9,000 ohms, 2,000 pF/220 ohms; max load 10 kilohms, 3,000 pF. \$205  
**With DBP-4 coupler, DB-2A power supply \$275**  
**DB-4B.** As above, 5 dB more gain, 4 dB less noise, and gold-plated phono jacks. \$160  
 Gain increased by 3 dB and 2 dB less noise \$28  
**DB-6.** As above, capacitance 42,000  $\mu$ F. Gold-plated binding posts/jacks. \$160

## DB-7 Phase Inverter

Phase inverter and bridging adaptor with super-sonic and subsonic filters (18 dB). FR 10-100,000 Hz  $\pm$  1.5 dB; S/N 109 dB; THD 0.003%; IM 0.003%. Requires DB-2A power supply or DBP-1 aux cable if used with DB equipment. 6 1/4 x 2 1/4 x 4 1/2 in; 1 lb. \$195

## DBP-11 Phono Capacitance Switch Box

Features front-panel-switchable 100-400-pF loading for 2 MM phono cartridges. Phono jacks, plugs are gold-plated. \$80  
**DBP-11MC.** As above, with resistive values. Includes 5 ohm load. \$80

## DBP-2J/5 Passive Switch Box

Switching module with 10 inputs and 2 outputs for switching 5 turntables, tape decks, amps, signal processors, etc. Selectable cartridge loading with DBP-6 or 6MC. A-B comparisons possible with 2 Y-Adaptors. Can be used for switching baseband video. \$70  
**DBP-2JAU/5.** As above, gold-plated jacks. \$90  
 Optional Alps volume control. \$40

## DBP-6 Phono Equalization Kit

Adds 100-400 pF capacitance to phono input of preamp or receiver. 2 Y Adaptors, gold-plated phono plugs with polystyrene capacitors wired to 100, 150, 200, 300, 400 pF. Resistive load (1%) included. \$37  
**DBP-6MC.** As above, with MC cartridge. Loads are 1% 10-, 20-, 50-, 100-, 200- metal-film resistors. Two empty plugs included. \$37

## dbx

### 3BX-DS Dynamic-Range Controller

Expands dynamic range 50% and cuts noise level. Features 3-band expansion/compression level control; ambience control. 0 to -50% (2:1) compression; impact restoration gain 0 to +10 dB for each band; dynamic range > 107 dB; 0.15% THD; FR 20-20,000 Hz. \$499  
**1BX-DS.** As above, no expansion/compression control. \$279

### 120X-DS Subharmonic Synthesizer

Restores bass frequencies between 54-110 Hz and synthesizes corresponding frequencies 1 octave lower. Includes low-pass crossover that's variable between 50-200 Hz; THD 0.05%; +9 dB subharmonic synthesis. \$299

### SNR-1 Single-Ended Noise-Reduction System

Reduces hiss from program sources by 20-40 dB. Features variable-frequency signal-pass device to eliminate high-frequency noise, surface noise, tape hiss, and background noise; source/tape switch; pre/post and bypass switches. dynamic range 105 dB; THD 0.1% \$279

## DECOURSEY

*Crossover components; sold separately or packaged into a crossover system*

**Model 120 Active Crossover.** Assembled crossover using part described above. Comes in variety of configurations. Price range \$126-490  
**Model 120 Crossover Cabinets**

Wired and fitted with filter sockets, output jacks, and regulated power supply for specified crossover system

Model 120-Q8. \$105  
 Model 120-T8. \$97.50  
 Model 120-B4. \$85

### Active Filters

**Plug-in Filter Module.** Single high-pass and low-pass. Matched pair. \$46.50  
 Dual pair, 6, 12, or 18 dB/octave. \$41.25  
 Dual pair, 18 or 30 dB/octave. \$56.25  
 Socket. \$1.25

**Model 500 Filter.** Dual; plug-in capability; holds high-pass and low-pass filter. 6, 12, or 18 dB/octave. \$43.50

**SS Filter.** Plug-in subsonic or ultrasonic filter. Installed. \$24  
 Uninstalled. \$22.74

**SSB Filter.** Plug-in subsonic with bass-boost filter. Installed. \$24  
 Uninstalled. \$22.75

**Model 15T050 Power Supply.** Features internal thermal shutdown. Supplies  $\pm$  14.5-15.5 volts; loads 0-50 mA. \$34

**Plug-in Summers and Amplifiers.** Can be supplied in any gain up to 20 dB. Installed into cabinet. \$20  
 Uninstalled. \$18  
 Level Control. \$7.50

## ESOTERIC SOUND

### Re-Equalizer

Passive equalizer with separate bass and treble equalization. FR 20-20,000 Hz  $\pm$  0.5 dB; THD < 0.02%; hum and noise 85 dB below output; turnovers: flat, 300 Hz, 400 Hz (AES), RIAA (NAB), LP, 700 Hz; maximum input 3.5 V rms. \$265

## EXPRESSIVE TECHNOLOGIES

### SU-1 Phono Preamplifier

Step-up transformer for MC cartridges. FR 0.7-150,000 Hz  $\pm$  0.1 dB; S/N 100 dB; gain 28 dB fixed; phono overload 1,000 mV. 19 x 5 1/4 x 8 1/4 in; 35 lb. \$2,500

## FISHER

### ASR-975 Surround-Sound System

Dolby Surround Sound processor with Pro Logic circuitry, amplifier, and speakers. Switchable surround modes: Dolby, simulated stadium and concert hall, 14-bit switchable time delay: 15, 20 or 30 msec; built-in calibration signal source, S-VHS terminal; tone control; multiple A/V inputs. 3 full-range speakers included. 20 W x 3 ch into 8 ohms from 20-20,000 Hz with < 0.4% THD. \$600

## FOSGATE AUDIONICS

### DSL-2 Surround Processor

Similar to model one, but includes multifunction remote control and advanced version of Digital Servo Logic. Other standard features include proprietary surround processing; Dolby Pro Logic; Dolby Time Link; autobalance; internal pink-noise generator for quick setup and calibration; 7 channels plus mono and stereo subwoofer outputs. FR 5-100,000 Hz; THD < 0.05%. \$1,199

### DSL-1 Surround Processor

Incorporates proprietary Digital Servo Logic. Includes 9 operating modes for music and motion-picture surround processing. Features include internal surround amplifier, bass equalizer, and pink-noise generator for quick setup and calibration; 5 output channels plus sub-

woofer. Frequency response 5-100,000 Hz; total harmonic distortion < 0.05%. \$699

## GOLDMUND BY INTERNATIONAL AUDIO TECHNOLOGIES

### Mimesis 10 D/A Converter

Outboard upgradable D/A converter. Features 6 digital source inputs (expandable to 14); 2 digital tape loops for DAT machines; remote-control capability; option for conversion to full digital peak amplifier; power switch with LED indicator; lock/rec switch with LED display of frequency locking; optional dual channel 2-digit display of level in dB for remote volume and balance adjustment; analog RCA output connectors. 19 x 15 1/2 x 1 1/4 in; 15.5 lb. \$6,400

## GOLD SOUND

### 30M8 30-Band Spectrum Analyzer

Portable 1/4 octave, 30-band real-time spectrum analyzer with 8 memory presets. Features LED monitor to measure 25-20,000 Hz FR from 32 to 128 dB; flat, A and C weighting; line and mic input; calibrated, omni, detachable microphone with internal 12-V rechargeable battery and external recharger. \$679  
 Pink-noise generator. \$79  
 High-spt. model measures 52-153 dB. \$879

### GS424 Active Crossover/Equalizer

Features 4-ch bi-amp design; fixed-bass EQ; subsonic filter; mono-bass output; stereo output; 12 high-pass, low-pass, and midrange controls; Linkwitz-Reilly filters. S/N 108 dB; THD 0.05%; input 0.75 V. Black aluminum front panels and smoked plexiglass. \$559  
**GS424 SEQ.** As above, bass outputs. \$599

### GS424 Active Crossover

4-channel biamp; stereo output; variable frequency setting; 12 high-pass, low-pass, and midrange controls; Linkwitz-Reilly filters. S/N 108 dB; total harmonic distortion 0.02%; input 0.75 V. Rack-mount unit with black anodized-aluminum front panels and smoked-plexiglass security covers. \$499

### GS224 Active Crossover/Equalizer

Features fixed-bass equalization; subsonic filter; stereo output; variable frequency setting; mono subwoofer output; 6 high-pass and low-pass controls; Linkwitz-Reilly filters. S/N 102 dB; THD 0.002%; input level 0.75 V; 24 dB slope. Rack-mount unit with black-aluminum front panels and plexiglass covers. \$459  
**GS224 SEQ Active Crossover.** As above with stereo bass outputs. \$499

### GS224 Active Crossover

Features stereo output; variable frequency setting; 6 high-pass and low-pass controls. S/N 108 dB; THD 0.005%; input level 0.75 V; 24 dB slope. Rack-mount unit with black aluminum front panels and plexiglass covers. \$399

## HEATH

### AD-2550 Surround-Sound Processor

Six audio outputs and two stereo inputs. Dolby Surround, music surround, and mono-enhance; 20-W amplifier; one-step adjustment; Dolby B NR. FR 18-40,000 Hz  $\pm$  0.5 dB; THD 0.05% front, 0.38% surround. \$200

## HTG BY MUSIC & SOUND IMPORTS

**DCS-1 D/A Converter.** 8x oversampling, 18-bit D/A converter. Upgradable DAC's and filtering; 3 digital inputs. \$749

# SIGNAL • PROCESSORS

## INTERNATIONAL COMPONENTS

**VSP3600 A/V Surround Processor/Decoder**  
A/V surround processor/decoder with built-in 10-W surround amplifier and dynamic NR. Features surround-compatible matrix-decoding circuitry. Variable time delay; stereo synthesizer/expander; surround output jack; master volume control; tape-output jacks; input-level indicators; gold-plated connectors ..... \$207

**VSP2400 A/V Surround Processor/Decoder**  
Hooks up to main front-channel amp and rear-channel amp to provide surround processing. Features 10- $\mu$ sec time delay; input-level LED indicators; gold-plated connectors ..... \$113

**VSS1800 A/V Surround Simulator**  
Compatible with any solid-state amplifier; extracts simulated surround ambience from any stereo source. Features surround-level control; noise eliminator. 6 x 2½ x 4¼ in ..... \$35

## JRM

**Model 3PBP/X8 Active Crossover**  
Crossover with 2, 3, 4-way stereo modes. Features 18-dB/octave crossover slopes; all-polypropylene capacitors; electromechanical devices gold-plated; sub- and ultrasonic filters; independent high-, low-pass frequency selection; plug-in modules for frequency setting; stereo/mono subwoofer outputs; S/N ratio 94 dB; THD 0.001% ..... \$1,125 ea  
**3PBP/X4.** As above, 2-way stereo ..... \$750

**Remote Equalizer**  
EQ with 6 bands/ch and separate L/R controls. Features gyrator circuits; 2% polypropylene capacitors; gold-plated electromechanical devices; continuously variable loudness range -35 dB; switched resistor EQ and balance controls; unity gain control. Requires JRM preamplifier or 3PBP crossover as base unit. S/N 98 dB; THD 0.001%; FR 4-50,000 Hz -3 dB .. \$625

## JVC

**XPA1010TN Digital Acoustics Processor**  
Features LSI for digital-signal 16-bit quantization and 48 kHz sampling rate; 4x-oversampling D/A converter; 64x-oversampling A/D converter; direct digital inputs and outputs (optical and coaxial); 20 programmed sound-field patterns; 20 user-programmable sound-field patterns; compensation for ambience of listening room and source program; 4/6-ch configuration selectable; motor-driven remote-controlled with volume control; FL display; multifunction remote control ..... \$1,200  
**XPA1000BK.** Same as above, in black .. \$1,200

**SEAM770BK 7-Band Graphic Equalizer**  
Features wireless remote control. 7 EQ bands per channel; 6 user-preset EQ curves; 6 programmed-preset EQ curves; computer-controlled electronic equalization. Remote functions include recalling curves, adjusting volume; fade/muting sound, preset scan, selecting transfer, reverse, or flat response .... \$400

**SUA400 A/V Surround-Sound Processor**  
Features wireless remote; front and rear volume control. Dolby Surround; hall; simulated surround; left-right calibration and delay-time controls; headphone jack. Built-in power amp with 10 W/ch into 8 ohms from 40-20,000 Hz with <0.5 THD ..... \$305

**SUA30 A/V Surround-Sound Processor**  
Three surround effects including Dolby Surround, hall, and simulated surround. Features

built-in amplifier; left/right calibration and delay-time controls; volume control for rear speakers; preamp output; headphone jack. Power output: 10 W/ch into 8 ohms from 40-20,000 Hz with <0.5% THD ..... \$235

## KENWOOD

**GE-1100 12-Band Graphic EQ/Analyzer**  
Features 12-band spectrum analyzer, built-in reverb. Center frequencies for each channel at 16, 32, 64, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000, and 32,000 Hz;  $\pm$  12 dB boost/cut range; L/R or L+R display selector; LED slide controls; time delay and depth controls; two tape monitors; normal/reverse EQ selector; -6 dB attenuator. FR 10-50,000 Hz +0, -1 dB; THD 0.005%; S/N 105 dB. 17¼ x 6½ x 13¼ in; 13.6 lb ..... \$449

**GE-5010 7-Band Graphic EQ/Analyzer**  
Featuring 7-band spectrum analyzer, 10-curve memory, and two FL displays. Center frequencies for each channel at 60, 150, 400, 1,000, 2,400, 6,000, and 15,000 Hz with switchable  $\pm$  6 and  $\pm$  12 dB boost/cut range. FR 10-100,000 Hz +1, -3 dB; THD 0.006% at 1,000 Hz; S/N 100 dB. 17¼ x 3½ x 10¼ in; 8.5 lb ..... \$249

**SS-78 A/V Surround-Sound Processor**  
Features Dolby Surround, theater, hall effects; adjustable front/rear delay time; 15 W/ch amp for rear speakers; FL display; 2-way video dubbing; tape-monitor switch. FR 40-6,000 Hz  $\pm$  3 dB (Dolby); S/N 62 dB at 1,000 Hz. 17¼ x 2¼ x 10¼ in; 7.7 lb ..... \$249

## Spectrum Series

**GE-48 7-Band Graphic Equalizer**  
Center frequencies for each channel at 60, 150, 400, 1,000, 2,400, 6,000, 15,000 Hz;  $\pm$  10 dB boost/cut range. Features EQ on/off switch; FR 10-35,000 Hz +0.5, -3 dB; S/N; THD 0.006% at 1,000 Hz ..... \$99

## KINETIC AUDIO

**3-Point Crossover/Level Control**  
Mono passive crossover/level-control system with 65, 90, 180 Hz crossover points. Can be built into Kinetic speakers. Features mid/high-pass filter; crossover level control. .... \$150

**4-Point Low-Pass/Crossover**  
Mono passive subwoofer crossover with 60, 90, 180, and 350 Hz crossover points. Can be built into Kinetic subwoofers. Imp 6-8 ohms .. \$150

## KRELL

**SBP-64X D/A Converter**  
Features proprietary "Waveform Replicator" upgradable software; 64x oversampling utilizing 24-bit coefficients, discrete, Class A, high-bias analog output stage; three independent, discrete, double-regulated power supplies contained in one external chassis. Balanced outputs through discrete phase splitters... \$8,950

**SBP-32X D/A Converter**  
Features proprietary "Waveform Replicator" upgradable software; 32x oversampling utilizing 24-bit coefficients, discrete, Class A, high-bias analog output stage; two independent power supplies; balanced outputs ..... \$3,500

**KPA Phono Preamplifier**  
Fully discrete, DC-coupled, Class A phono amplifier with selectable RIAA trim at 20 Hz and 20,000 Hz. Power directly off KBL preamp, or separate power supply ..... \$2,700  
**Power supply.** For use with the above ... \$600

## MARK LEVINSON

**LNC-2 Active Crossover**  
Modular system for crossover of line-level signals; 4 active filters (2 high pass, 2 low pass); on/off switch for each filter; internal stereo/mono switch; Camac connectors; 18 dB/octave slopes, optional 6-dB or 12-dB slopes for 3-way stereo operation; output level controlled by 10-turn locking potentiometer on front panel. THD 0.002%; wideband noise <102 dBV unwt; accuracy within 5% of specified crossover point; separate PLS-151 power supply; load regulation 0.05%; wideband noise output 18  $\mu$ V. LNC-2: 2¼ x 19 x 7¼ in. PLS-151: 4¼ x 4 x 10¼ in; 12 lb ..... \$3,700

## LEXICON

**CP-1 Digital Environment Processor**  
Digital processor with auto azimuth-error correction for Dolby Surround. Features ambience extraction; ambience synthesis; reverb; 32-character alphanumeric display; 12-segment headroom display; 2 back-lit mute indicators. S/N 85 dB; imp. input 50,000-ohms, 500-ohm output. 17 x 2½ x 12½ in; 11 lb ..... \$1,395

**CP-2 Digital Surround Processor**  
Digital processor with auto azimuth and auto input balance. Features music logic; 6 outputs; remote control; 16-bit D/A converters; polypropylene capacitors; 12-segment parametric display. S/N 85 dB; 50-kilohm input, 500-ohm output. 17 x 2 x 12 in; 11 lb ..... \$895

## LT SOUND

**RV-2 Stereo Reverberation Unit**  
Reverb unit for line-level inputs only. Features -6 dB and peak-amplitude LED; 3 EQ controls; send-receive bus. FR 2-40,000 Hz  $\pm$  5 dB, reverb 20-5,500 Hz; reverb time 2.5 sec; input imp 47 kilohms; output imp 200 ohms for 2k ohms; S/N 90 dB (direct). 19 x 2 x 7 in .... \$895

**PEQ-2 Parametric Equalizer**  
Dual 4-band parametric EQ with rumble filter, selectable peak-dip or shelving response on upper and lower bands, bypass switch, peak indicator, balanced/unbalanced inputs and outputs. FR 20-20,000 Hz; input imp 47 kilohms; output imp 47 ohms; THD 0.007% ..... \$595  
**PEQ-1.** Single-channel version of above with no rumble filter. 19 x 7¼ x 3½ in; 5 lb .... \$349

**ECU-2 Active Crossover**  
Universal crossover network capable of stereo biamping and triamping. Crossover points continuously variable ranging from 70-11,000 Hz. Slopes 12 dB/oct Butterworth response. Features summed-mono output for subwoofer operation; individual phase-inversion switches on mid and high bands; high-tolerance capacitors and potentiometers; available with RCA or ¼-in jacks. FR 20-20,000 Hz  $\pm$  0.5 dB ..... \$295

**NR-2 Noise Reducer/Range Enhancer**  
2-channel unit provides 2:1 compander noise-reduction system and dynamic-range enhancement; dual or independent tracking. FR 20-20,000 Hz; S/N 90 dB; input imp 47 kilohms, output imp 200 ohms for 2 kilohms load. 12¼ x 2½ x 6¼ in ..... \$275

## LUXMAN

**F-116 Digital Surround-Sound Processor**  
Features A/D converter at inputs and digital-analog converter at outputs. Dolby Pro Logic decoder; proprietary decoding logic program for mono film soundtracks; Center-channel output; subwoofer output; parameter adjustments;

# SIGNAL • PROCESSORS

balance control; rear delay adjustment (0-32 msec). FR 10-16,000 Hz +1, -3 dB; S/N >80 dBA; THD <0.05%. 17 x 2½ x 12½ in; 11 lb \$950

## LE-109 Phono Preamp

Features MC/MM inputs; variable gain and impedance switches; MC straight circuit; subsonic filter; 3-step attenuator selector. FR 20-20,000 Hz ±0.3 dB; THD 0.005% (2 V at 1,000 Hz); S/N 100 dB. 17¼ x 2½ x 12¼ in; 10 lb ..... \$500

## M&K

### LP-1S Active High-Pass Crossover

Line-level electronic high-pass filter for bi-amping with M&K subwoofers. Available in 8½-in front panel or 19-in rack mount. 100 Hz crossover point at 18 dB/octave. With bypass switch ..... \$325  
Without bypass switch ..... \$300

### VF-100 High-Pass Filter

Features inputs, high-pass outputs for main amp, and high-pass outputs for subwoofer's preamp-level inputs. Available in versions for amps with imp <37,500 ohms, imp 37,500-75,000 ohms, and imp >75,000 ohms. 6 dB/octave filter slope @ 100 Hz ..... \$75 ea

## MARANTZ

### EQ 2292CB 7-Band Graphic Equalizer

Tape monitor; low-noise circuit design ... \$90

## MARCHAND

### XM6 Active Crossover

Features fourth-order constant-voltage design; provides low-pass and high-pass outputs. Adjustable frequency from 20-5000 Hz; LED display of crossover frequency; remote control with 15-ft cable; level controls for left/right channels; damping control. FR 2-100,000 Hz ±3 dB; THD <0.01% at 1,000 Hz; output imp 10 ohms; S/N >110 dB. 17 x 8½ x 2¾ in ..... \$495  
XM6-RS. RS232 interface for above ..... \$70

### WM8 Equalizer

Employs 4-amplifier quadratic filter with additional op-amps; rumble filter; 20-Hz subsonic filter; bypass switch; tape-monitor switch. Circuit comprises high-speed op-amps; film capacitors; metal-film resistors. Rotary control for each channel. 17 x 2¾ x 8½ in ..... \$85

### XM1 Active Crossover

Features fourth-order constant-voltage design; provides low-pass and high-pass outputs. Adjustable frequency from 20-5000 Hz. FR 10-100,000 Hz ±0.2 dB; THD <0.01% at 1,000 Hz; output imp 10 ohm; S/N >110 dB ..... \$24

## McINTOSH

### MQ 107 Custom Equalizer

Features 14 programmable filters, 7 per channel. 9.5 lb ..... \$650

## MELOS

### Vacuum-Tube D/A Converter

1-bit, 256x-oversampling D/A converter features three inputs and dual-chassis design. Designed for CD, DAT and future FM broadcast. FR 20-20,000 Hz ±0.2 dB; THD 0.07%; S/N 90 dB; output 3 V rms; output imp 100 ohms... \$2,395  
W/preamp (line, phono) ..... \$3,095  
W/preamp (line) ..... \$2,795

### MA-100 Phono Preamp

Features zero negative-feedback circuitry. High-grade capacitors, resistors; toroid transformer; separate power supply; heavy alumi-

num chassis. Sens 0.4 mV; gain 41 dB; S/N 75-85 dB (cartridge dependent) ..... \$895

## MEMOREX BY MEMTEK

### DSS-100 Dolby Surround-Sound System

Home theater system with DS-10 amplifier and pair of Memorex Series 10 speakers. Includes audio patch cables and speaker wire. .... \$250

### DS-10 Surround-Sound Processor/Amp

Dolby Surround decoder. Features 20 watts/channel for rear speakers, or 5 W/ch to front and rear speakers; input balance control. Flat-black finish with gold lettering ..... \$130

### Cordless-Headphone Adaptor

Infrared transmitter beams any audio source to a special receiver module that can accept all mini-plug headphones ..... \$70

## MERIDIAN

### Model 203 D/A Converter

Features 256x oversampling, dual-differential PDM bit-stream D/A converters. Passive differential analog filtering; PLL detection circuit; automatically matched source sampling rate from 32 to 48 kHz; computer-grade, four-layer PC board construction with ground-plane design; separate transport electronics and audio circuitry. Coaxial and optical digital inputs; LED indicators. S/N >106 dBA. Matte-black finish with glass front. 6¼ x 4 x 12¼ in ..... \$990

## MUSEATEX

### Melior D/A Converter

Features analog output filtration; fixed-line outputs. S/N 100 dB; FR 20-20,000 Hz ±0.2 dB; THD 0.005%. 10 lbs ..... \$750

## NAIM

### NAXO3-6 3-Way Crossover

18 dB/octave fixed-frequency crossover for 3-way speaker. Matched individually to speaker; designed for flat-response speakers. Input imp >10 kilohms; output imp 47 ohms ..... \$1,075  
NAXO2-4 2-Way Crossover. As above for 2-way speaker ..... \$1,075

## ONKYO

### EQ-240 7-Band Graphic Equalizer

7 bands for each channel and spectrum-analyzer display. Center frequencies at 64, 160, 400, 1,000, 2,500, 6,300, and 16,000 Hz; ±12 dB boost/cut range. Features LED level controls; EQ-bypass, and monitor/tape-source switches. THD 0.01%; S/N 100 dB ..... \$240

### EQ-100 7-Band Graphic Equalizer

7 bands per channel with LED level indicators; EQ bypass; tape-monitor switch. .... \$150

### Integra Series

#### Integra EQ-540 12-Band Graphic Equalizer

12 bands for each channel and test-tone generator. Center frequencies at 16, 32, 64, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000, 32,000 Hz; switchable ±12 or ±6 dB boost/cut range. Features LED level controls; fixed and stepped-sweep test-tone modes; peak-hold mode; calibration microphone; input attenuator. THD 0.01%; S/N 100 dB. 17¼ x 3½ x 14¼ in; 10 lb \$400

#### Integra EQ-35B 12-Band Graphic Equalizer

12 bands for each channel and test-tone generator. Center frequencies at 16, 32, 64, 125, 500, 1,000, 2,000, 4,000, 8,000, 16,000, and 32,000 Hz; switchable ±12 dB or ±6 dB boost/cut

range. Features LED level controls; signal generator for all center frequencies except 16 and 32,000 Hz; step or sweep test-tone modes; operation mode display; Delta power supply. Black finish. THD 0.01%; S/N 100 dB ..... \$330

### ES-300 Surround-Sound Processor/Amp

30 W/ch rms; discrete output stages; master volume control; separate volume for left and right speakers; 3 surround modes: Dolby, hall, and theater; adjustable time delay ..... \$280

## OPTONICA BY SHARP

### SM-A75 Surround-Sound Processor/Amp

16-bit digital-delay system with four-channel amplifier. Features Dolby Surround circuitry. Four sets of video input/output jacks; 8 audio inputs; 4 audio outputs ..... \$400

## PANASONIC

### SY-DS1 Surround-Sound System

Digital signal processor with adjustable reverb time from 0.9 to 2.4 sec; 10 effects settings. Includes two 4-in speakers; headphone jack; line-input jacks; input high/low level switch; phase switch ..... \$280

## PHILIPS

### DAC 960 D/A Converter

Outboard D/A converter optically coupled to digital filters. Features 3 separate power supplies with 3 individual transformers; copper heat sinks; ceramic power capacitors; outputs with 2-stage muting; diecast chassis. DAT compatibility; optical digital input with supplied fiber-optic cable; phase-inverter control; shock-absorbing feet; headphone amplifier with volume control. FR 2-20,000 Hz; amplitude linearity ±0.01 dB; signal-to-noise ratio >101 dB; dynamic range >96 dB; ch sep >100 dB at 1,000 Hz; total harmonic distortion <0.0015%<sup>0</sup> at 1,000 Hz; IM -90 dB (at maximum output level). 3½ x 16¼ x 13¼ in. 18.7 lb ..... \$949

### RV-450 Surround-Sound Amplifier

Features Dolby Pro Logic circuitry with digital audio delay; 2 center-channel modes (normal for TV speakers and wide for full-range speakers); switchable center-channel outputs (discrete or phantom mode); input calibration controls to match decoder to source; matrix and hall surround modes; test-tone generator; 2 sets of surround outputs; master volume, surround volume controls; left/right input level controls. Rear-channel amp: 15 W/ch into 8 ohms ..... \$379

## PIONEER

### VSP-555 Surround-Sound Processor/Amp

Built-in amplifier and remote control. Features Dolby, stadium, and simulated surround modes; digital delay; audio/video switching and connections; 38 watts/ch into 8 ohms from 30-7,000 Hz with 5% THD ..... \$375

### GR-777 10-Band Graphic Equalizer

Center frequencies of 32, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 10-dB boost/cut range. Features remote control; 10-band spectrum analyzer; 5 programmable EQ patterns; 5 resident EQ patterns ..... \$370

### EX-9000 Dynamic-Range Expander

Features noise-reduction effect; FL level indicator; input-level control; tape monitor switch; black finish. Center crossover points 50, 500, 5,000 Hz; attack time 4.7 ms; release time 2.7 ms/6.8 ms switchable. Dimensions: 2¾ x 16½ x 3¾ inches ..... \$270



# SIGNAL • PROCESSORS

## GR-555 7-Band Graphic Equalizer

Center frequencies of 60, 150, 400, 1,000, 2,400, 6,000, and 15,000 Hz; 10-dB boost/cut range. Spectrum analyzer; tape monitor ..... \$225

## GR-470 7-Band Graphic Equalizer

Center frequencies at 60, 150, 400, 1,000, 2,400, 6,000, and 15,000 Hz. Features slide controls and LED indicators ..... \$120

## PORTLAND

### Model 135 Surround-Sound Processor

Digital sound processor featuring Dolby Surround; adjustable time delay; mono-enhance; 2 inputs. THD 0.05%; power 20 W/ch; S/N 85 dB. 2 1/4 x 17 x 8 1/2 in. .... \$269

## PROCEED

### PDP D/A Converter

8x-oversampling, 18-bit Burr-Brown D/A converters featuring fast-setting current output, low-noise Schmitt trigger logic input circuitry. Auto select 38-kHz, 44-kHz, or 48-kHz sampling frequencies. Three inputs via DAS RCA-type connectors, one female connector. FR 10-20,000 Hz +0 dB, -0.2 dB; THD 0.004% at 1,000 Hz; dynamic range >98 dB; signal-to-noise ratio 105 dB; ch sep 120 dB. 8 3/4 x 3 3/4 x 15 1/2 in; 22 lb ..... \$1,295

## PS AUDIO

### Digital Link D/A Converter

Outboard processor with 8x oversampling and 18-bit Burr-Brown D/A converter. Features plug-in modules; coaxial inputs ..... \$799

## QUICKSILVER

### Moving-Coil Transformer

Provides 23 dB gain for any phono cartridge with output impedance from 1 to 40 ohms. No external cables or power required ..... \$335

## REALISTIC BY RADIO SHACK

### 31-2020 10-Band Equalizer/Analyzer

10-band/ch EQ with spectrum analyzer; IMX spatial expander; tape 1 and 2 in/out. S/N 95 dB. 16 1/4 x 2 3/4 x 8 1/2 in; 6 lb. .... \$140

## ROGERS

AF510. Mono active crossover. Black ... \$599

## SANSUI

### DS-77 Surround-Sound Processor/Amp

Provides amplification for rear channel and center front for A/V sound. Features super-bass synthesizer; peak attacker; simulated stereo; built-in amp delay memories. FR 20-20,000 Hz ± 3 dB; THD 0.09%; delay time (theater and hall modes) 20 m/sec; 10 W/ch for rear speaker drive. 17 x 3 x 9 3/4 in; 8.6 lb. .... \$400

### SE-2000 7-Band Graphic Equalizer

Center frequencies at 60, 150, 400, 1,000, 2,400, 6,000, 15,000 Hz; ± 12 dB boost/cut. Features EQ on/off switch. THD 0.03%; S/N 95 dB. 17 x 3 3/4 x 8 3/4 in; 5.5 lb ..... \$110

### SE-1000 7-Band Graphic Equalizer

Center frequencies at 60, 150, 400, 1,000, 2,400, 6,000, 15,000 Hz; ± 12 dB boost/cut. THD 0.03%; S/N 75 dB; 3 3/4 x 17 x 8 3/4 in; 4.9 lb .. \$90

## SHERWOOD

### ES-1280 Surround-Sound Processor/Amp

Features Dolby Surround; delay time 15-30 µsec; 4 hall/room simulations; stereo simula-

tion. 20-W/ch; THD 0.3%; signal-to-noise ratio 86 dB ..... \$229

### EQ-1330 9-Band Graphic Equalizer

Features ± 12-dB boost/cut; tape monitor; variable center frequencies. THD 0.025%; signal-to-noise ratio 95 dB ..... \$129

## SONOGRAPHE BY CONRAD-JOHNSON

### SX1 Active Crossover

Consists of 24-dB/octave low-pass and 12-dB/octave high-pass filters set at 110 Hz. Features high-pass filter with FET design; polystyrene and polypropylene capacitors with metal-film resistors ..... \$495

## SONY

### Elite Series

### SDP-777ES Digital Surround-Sound Processor

Combines digital-delay circuitry with Dolby Pro Logic decoding. Features 16-bit quantization digital processing; switch-selectable speaker configuration; built-in pink noise generator; stereo-simulator delay modes; video switching capability; audio outputs ..... \$850

## SOUND CONCEPTS

### SSD550 Ambience-Processor/Surround System

Matrix decoder derives accurate rear channel from surround-sound films and video sources. Provides two front and two rear-channel outputs with stereo delay for music or surround decoding. Features stereo audio delay system; delay, 5-100 msec; high-frequency rolloff from -3 to +6 dB; front mix level 0-100%, rear level 0-100%; input imp 60 kilohms min; output imp 300 ohms max; FR 20-10,000 Hz +1, -3 dB with 5 msec delay; dynamic range 90 dB min. S/N 85 dB min, 90 dB wtd; 1% max distortion at 1,000 Hz, 1 Vrms ..... \$869

### IR2100 Image-Restoration System

Expands stereo image to create sonic image of original recording, continuously adjustable speaker/listener angle 20-100°; connects in tape loop or between preamplifier and power amplifier; handheld with 15-ft remote cable. S/N 80 dB; distortion 0.1% max ..... \$300  
IR2200. Nonremote version of above. .... \$189  
KIR-1. Kit ..... \$95

### VSP-1 Stereo Synthesizer

Creates simulated stereo from mono sources. Features 10-band harmonically related frequency divisions. S/N 80 dB ..... \$159  
KVSP-1. Kit ..... \$90

### SX-80 Peak Expander/CX Decoder

Adds 20-dB dynamic range to CX-encoded records and videocassettes, 6-9 dB of upward expansion to nonencoded sources; connects into tape loop, provides recorder connections. Features tricolor LED for 0-VU calibrations with standard record supplied. S/N 80 dB; THD 0.1% .... \$119  
KSX-1. Kit ..... \$76

## SOUNDCRAFTSMEN

### Pro-EQ 44 21-Band Graphic Equalizer

Stereo EQ with differential/comparator unity gain circuitry; digital C-MOS switching for tape monitor, EQ tape record and EQ defeat; center frequencies at 1/3 octaves below 1,000 Hz and 3/4 octaves above 1,000 Hz; filter controls are ± 15 dB. THD >0.01%; S/N 114 dB ..... \$549

### DC 2215 10-Band Equalizer

Equalizer with differential/comparator true-

unity-gain circuitry for input to output balancing accuracy to within 0.1 dB. Equalizer filter circuits use precision wire-wound passive-coil inductors for high gain, low noise, and distortion. Front-panel controls include tape monitor, LED defeat/EQ defeat and EQ tape record; boost/cut range ± 15 dB. Includes spectrum-analyzer test record, computone charts, cables. Front panel is rack mountable, brushed aluminum with charcoal finish. THD and IM 0.01% at 2 V; S/N 114 dB at 10 V ..... \$449

### Pro-EQ 22 10-Band Equalizer

EQ with differential/comparator unity-gain circuitry and digital C-MOS switching for monitor, tape record, and EQ defeat; filter controls are ± 15 dB. THD <0.01%; S/N 114 dB ..... \$349

## SOUND ENGINEERING

### PFM-8 EQ/Tape-Deck Interface

Features meters; switchable pre/post-EQ tape outputs. .... \$2,050

### PFM-9 Active Crossover

Features 2-way/3-way configuration; linear-phase, high-current Class A design. .... \$1,750

### PFM-0 Moving-Coil Head Amplifier

Pre-preamplifier for moving-coil phono cartridge. Features low noise: 0.5 dB. .... \$850

## SSI

### System 4500 Surround-Sound Processor

Features proprietary steering-logic circuit; remote control; 2 pairs surround outputs; AC switched outlet; 4 A/V inputs; variable delay; center-channel balance; trim pots to balance external amplifiers; master volume; auto Dolby B NR; subwoofer outputs; 3-position center-channel distribution; 4-surround modes; available in rack mount configuration. Front-to-rear sep 65 dB; L/R sep 70 dB; FR 18-50,000 Hz; THD 0.03% from 20-20,000 Hz. 17 x 3 3/4 x 13 in \$599

### System 4000 II Surround-Sound Decoder

Features proprietary steering-logic circuit; 45-W-rms amplifier; switchable center or rear amplification; remote control; 4 A/V inputs; variable delay; center-channel balance; master volume; auto Dolby B NR; subwoofer outputs; separate line-level surround outputs; 3-position center-channel distribution; 4 surround modes. Front-to-rear sep 65 dB; L/R sep 70 dB; FR 18-50,000 Hz; THD 0.03% from 20-20,000 Hz. \$549  
System 3000. As above except with Dolby Pro-Logic; 25 W rms amplifier; 3 surround modes. 4 A/V inputs. L/R sep 45 dB; FR 18-20,000 Hz; THD 0.25% from 20-20,000 Hz. 17 x 2 3/4 x 9 1/2 in. \$349

### Cinema 500 Surround-Sound System

Features 20-W-rms amplifier for surround channel; Dolby Surround; variable delay; master volume; auto Dolby B NR; center and subwoofer outputs; separate line-level surround output; 3 surround modes. Includes 2 surround speakers. Front to rear sep 50 dB; L/R sep 35 dB; FR 18-40,000 Hz ± 0.5 dB; THD 0.05% from 20-20,000 Hz. 17 x 2 3/4 x 8.5 in ..... \$249  
System 1000. As above, no speakers .... \$199

## SUMO

### Delilah 2-Way Active Crossover

Features front-panel user-selectable frequencies and slopes; 12-dB/octave high-pass slope; 12- or 18-dB/octave switchable low-pass filter with level control; stereo and mono low-pass outputs with built-in bridging circuitry; independent low-/high-pass frequency controls. FR 5-200,000 Hz ± 3 dB; THD <0.007%; input imp 50,000 ohms; output imp <100 ohms; high- and

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low-pass frequencies 50, 63, 80, 100, 120 Hz with bypass. 19 x 1 1/4 x 10 in; 10 lb ..... \$549

## TEAC

**EQA-22 10-Band Graphic Equalizer**  
Equalizer with full monitoring capability during recording. Center frequencies 30, 60, 120, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz;  $\pm 12$  dB boost/cut. Features 2 tape inputs with dubbing facility; switchable EQ-defeat; pre/post EQ switch; multicolor spectrum display .. \$170

**EQA-6 10-Band Graphic Equalizer**  
Equalizer with switchable EQ-defeat. Center frequencies 30, 60, 120, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz;  $\pm 12$  dB boost/cut. Features tape monitor; LED's on sliders. 17 1/2 x 2 3/4 x 7 1/2 in; 6 1/2 lb ..... \$120

**EQA-3 10-Band Graphic Equalizer**  
Equalizer with switchable EQ-defeat and tape monitor. Center frequencies 30, 60, 120, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz;  $\pm 12$  dB boost/cut. 17 1/2 x 2 3/4 x 7 1/2 in; 6 1/2 lb \$100

## TECHNICS

**SH-8066 12-Band Graphic Equalizer**  
Sets EQ curves according to line traced on front panel by fingertip. Remembers 8 preset curves; auto EQ compensates for system frequency response and room acoustics. S/N 107 dB... \$600

**SH-AV40 Surround-Sound Amp**  
20 W/ch amplifier with Dolby Surround and 3 A/V modes. 4 video inputs; 1 audio input; large FL display; rear-level/input-level displays; L/R independent calibration control. FR 5-50,000 Hz; S/N 90 dB. 17 x 3 x 8 in ..... \$220

**SH-GE70 7-Band Graphic Equalizer**  
Features dual spectrum analyzers. Center frequencies at 63, 160, 400, 1,000, 2,500, 6,300, 12,500 Hz;  $\pm 12$  dB boost/cut range. Tape record EQ switch; 12-curve memory. FR 5-100,000 Hz -3 dB; THD 0.005%; S/N 105 dB ..... \$200

**SH-8038 7-Band Graphic Equalizer**  
Features slider controls and 2-channel display. Center frequencies at 63, 160, 400, 1,000, 2,500, 6,300, 16,000 Hz;  $\pm 12$  dB boost/cut range. LED indicators; low-noise/distortion IC-op amp; calibrated decibel scale; reverse switch for equalized tape. FR 5-100,000 Hz -3 dB; THD 0.005%; S/N 110 dB. 17 x 3 x 7 1/2 in ..... \$120

**SH-8017 7-Band Graphic Equalizer**  
Features slider controls and 2-channel display. Center frequencies 63, 160, 400, 1,000, 2,500, 6,300, 16,000 Hz;  $\pm 12$  dB boost/cut range. Low-noise op amps; calibrated decibel scale; reverse switch for equalized tape. FR 5-100,000 Hz -3 dB; THD 0.005%; S/N 110 dB ..... \$90

## TEI ELECTRONICS

**83-FAP2 2-Way Active Crossover**  
Features selectable 12 or 18 dB/octave slope; frequency selection; balanced inputs. FR 10-50,000 Hz. 7 lb ..... \$675

**83-QEM102 10-Band Equalizer**  
Features octave EQ with constant-Q topology. Back-lit gain controls w/green LED; FR 20-20,000 Hz; THD <0.05%; S/N 110 dB. 5 lb ..... \$588

## THETA DIGITAL

**DS Pre Generation II D/A Converter**  
Outboard converter and preamplifier with volume, balance, and input switching controls. Features digital and analog inputs; source/mon-

itor switch; phase switch; left/right outputs for each ch may be independently adjusted with front-panel controls. Bridged-mono operation possible with normal and inverted summed-mono low-pass filter outputs. Uses fully discrete, direct-coupled J-FET, MOSFET, and bipolar devices. Military-grade, glass-epoxy circuit boards with gold-over-nickel-over-copper-plated paths. FR low-pass filter DC to cutoff slope initiation, high-pass filter cutoff slope entry to 100,000 Hz; THD <0.01% from 20-20,000 Hz; input imp 20,000 ohms; output imp 1,500 ohms, nominal. 19 x 1 1/4 x 6 1/2 in ..... \$1,800

## VECTOR RESEARCH

**VQ-125 10-Band Graphic Equalizer**  
Spectrum analyzer and pink-noise generator. Features independent left/right EQ controls; 2 tape monitors; dubbing-direction selector; rec EQ; 2 line inputs; peak-hold display; subsonic filter; input sens switch. Center frequencies: 32, 64, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; boost/cut range  $\pm 12$  dB. S/N 109 dB; THD 0.009%. 17 x 4 x 9 1/2 in; 10.5 lb .. \$250

**VQ-115 10-Band Graphic Equalizer**  
Features master level with peak LED indicator. Independent left/right EQ controls; tape monitor; EQ-defeat switch. Center frequencies: 32, 64, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; boost/cut range  $\pm 12$  dB. S/N 109 dB; THD 0.009%. 17 x 4 x 9 1/2 in; 9 lb, 8 oz .... \$130

## WADIA DIGITAL

**Model 2000 D/A Converter**  
Outboard 18-bit converter with proprietary conversion algorithms and circuitry; 64x oversampling. Features shielded and buffered power supply; glass-fiber-optic, two coaxial, and one plastic-fiber-optic inputs; programmable computer chips. Includes DigiLink 40, an outboard, 4-channel glass-fiber-optic connection box..... \$7,995

**Digimaster X-64.4 D/A Converter**  
Outboard 18-bit converter with proprietary conversion algorithms and circuitry; 64x oversampling. Features shielded and buffered power supply; glass-fiber-optic, two coax, and one plastic-fiber-optic inputs; programmable computer chips ..... \$4,995

**Digimaster X-32 D/A Converter**  
Outboard 18-bit converter with proprietary conversion algorithms and circuitry; 32x oversampling. Features two coax, and one plastic-fiber-optic inputs ..... \$1,995

## YAMAHA

**DSP-3000 Surround-Sound Processor**  
Surround-sound processor with 4x-oversampling 18-bit digital filter and dual D/A converters. Features built-in pink noise generator. 20 preset acoustic modes, including Dolby surround; 35 variations, including many U.S. concert halls; 20 user-presets; 5 variable parameters per mode; 10-channel output capability; digital input (32 kHz, 44.1 kHz, 48 kHz); master volume; on-screen display; adjustable front to rear balance and effect-level; effect and main mute. Includes remote. Titanium finish ..... \$1,899

**DSP-A700Ti Digital Signal Processor**  
Seven channel A/V amplifier/processor features 12 preset programs including Dolby Pro-Logic. 21 program variations; DSP test-tone generator; Dolby Pro Logic test tone generator; remote control operated via AVS-700Ti; mic-mixing function with level control and individual L/R mic inputs; woofer terminal with low-pass fil-

ter; DSP front and rear level controls; Dolby Pro Logic rear- and center-level controls; pre-main outputs for all channels. 60 W/ch into 8 ohms at FR 20-20,000 Hz with THD <0.018%; 15 W/ch x 5 into 6 ohms at 1,000 Hz. Titanium finish \$1,099

**DSP-E300Ti Digital Signal Processor**  
Five-channel A/V amplifier/processor features 12 preset programs including Dolby Pro-Logic. 21 program variations; DSP test-tone generator; Dolby Pro Logic test-tone generator; woofer terminal with low-pass filter; rotary master volume control with digital indicator; DSP front and rear level controls; Dolby Pro Logic rear- and center-level controls; preamp outputs for all channels. 15 W/ch x 5 into 6 ohms at 1,000 Hz. Titanium finish ..... \$799  
**DSP-E300**. As above, black ..... \$799

**EQ-1100U 10-Band Graphic Equalizer**  
Graphic equalizer with automatic room EQ. Features 12 dB boost/cut; pink-noise generator; 10-band spectrum analyzer; independent left- and right-channel controls; 3 factory-preset EQ curves; 4 user-preset EQ curves; electret condenser microphone; EQ recording capability. Includes multifunction remote control. Black finish; 11 lb ..... \$599

**EQ-630Ti 10-Band Graphic Equalizer**  
Features 12-dB boost/cut; independent left- and right-channel controls; 8 EQ-curve presets; multifunctionhold; EQ reverse mode switch; rocker-type EQ controls; tape-monitor switch; EQ rec capability; RS integrated system remote control compatibility. Includes 17-key wireless remote control. Titanium finish; 10 lb ..... \$469  
**EQ-630**. As above, black ..... \$469

**EQ-500U 10-Band Graphic EQ/Analyzer**  
Features 12-dB boost/cut; pink-noise generator; independent left- and right-channel controls; meter-level adjustment; electret condenser mic; EQ recording capability. Black ... \$399

**AVS-700Ti A/V Selector**  
Features 10 audio and 5 video inputs, 4 audio and 2 video outputs, 4 S-video terminals; DSP interface (fixed and variable output); video monitor output with S-video terminal; front-panel auxiliary inputs with S-video terminal; 20-dB audio muting; wireless remote control unit. Titanium finish ..... \$299  
**AVS-700**. As above, black ..... \$299

**DSR-70PROTi Dolby Pro-Logic Decoder**  
Features digital-delay control of 20 or 30 msec. Built-in test-tone generator; Dolby Pro Logic bypass switch; 5-gang master volume control. Input-balance control; center-mode switch; center-channel level control; rear-channel level control; tape-monitor switch ..... \$249  
**DSR-70PRO**. As above, black ..... \$249

**EQ-70 Graphic Equalizer**  
Features 10-band independent left- and right-channel equalization;  $\pm 12$  dB per band; output-level control; tape monitor with EQ record function; EQ on/defeat switch; LED illuminated EQ slide controls. Black finish ..... \$159

**LA-1 Level Attenuator**  
Improves S/N of effects-channel output by approximately 9 dB. Connects between speaker output terminals of amp/receiver and surround-sound processor's main inputs. 1 lb ..... \$30

Abbreviations used within this buyers' guide are explained on pages 239-245.

# WIMPY CAR STEREO NEED CAR STEREO REVIEW.

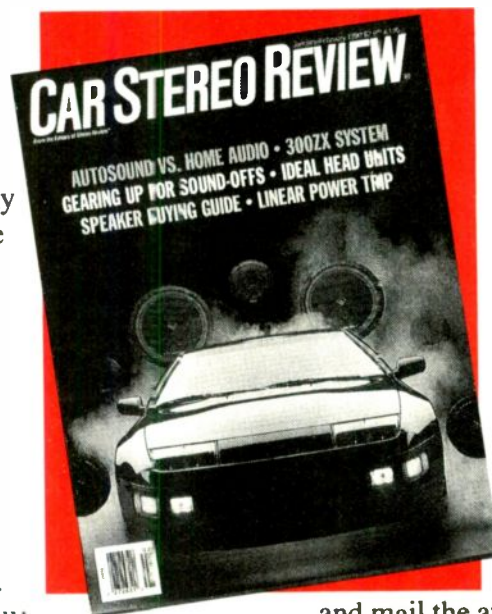
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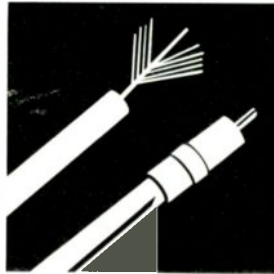
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# ACCESSORIES



## ACE AUDIO

**Model 4100-X-24b Subsonic/Ultrasonic Filter**  
Active filter designed to eliminate subsonic (turntable and record) noise and ultrasonic (RF, high-frequency noise, etc.) interference. Subsonic filter 24 dB/octave below 20 Hz; ultrasonic filter 12 dB/octave above 20,000 Hz. Distortion 0.002% at 2 V output ..... \$142

**Model 4100 Subsonic/Ultrasonic Filter** .... \$108

**Model 4000-X-24 Subsonic Filter**  
Combined active Bessel and passive filter sections provide low phase shift and sharp 24 dB/octave cutoff; removes all subsonic disturbances; individually hand-calibrated. Distortion 0.002%; response <3 dB at 20 Hz ... \$132

**Model 4000b Subsonic Filter** ..... \$98

## ACOUSTIC SCIENCES

**Tube-Trap Acoustic-Improvement Systems**  
*Tube traps are sound-absorbing material used to control wall and corner sound reflections and room resonances. Available as track-mount tubing, and cylinder sets.* .... \$20-\$983

## ACROTEC

**Model 6N-1010 Speaker Cable**  
Features 99.99997% copper with two conductors (14 gauge each) in PVC liner and outer jackets. Imp 9.2 ohms; capacitance 101 pF/m ..... \$15/ft

## ADCOM

**GFS-6W.** As GFS-6 with white front panel \$210  
**GFS-6S.** With silver front panel ..... \$210  
**GFS-6.** Similar to above except handles up to 6 pairs of speakers ..... \$160

**GFS-3 Speaker Selector**  
Handles up to 3 pairs of speakers with built-in load protection for low-imp loads; headphone output; Twist 'n' Lock speaker connectors for heavy-gauge speaker wire. Can be used with amps rated up to 200 watts per channel. 7 x 2 3/4 x 5 1/2 in ..... \$100  
**RM-3.** Rack-mount adaptors for GFS-6 . \$20/pr  
**RM-3W.** RM-3 in white ..... \$25/pr  
**RM-3S.** RM-3 in silver ..... \$25/pr

**GFS-4 Speaker Selector**  
Gold-plated, brass 5-way binding posts, glass-fiber epoxy printed circuit board. Oxygen free-copper internal jumpers made with 12-gauge stranded cable. Handles 4 pair of speakers; white ..... \$200  
**GFS-4.** Black ..... \$150

**SLC-505 Straight-Line Controller**  
AV switch box with inputs for 2 VCR's (with dubbing capability), aux tape, DAT tuner, and CD. Level and balance switch; single master

circuit board with copper plating; ground screw; white ..... \$290  
**SLC-505.** Black ..... \$160

**ACE-515 Line Enhancer**  
7 AC inputs, 2 switched 3-prong 1,500 watts max, 1 unswitched 3-prong 300 watts max, 4 unswitched 2-prong 300 watts max. Protection reset circuitry. Output amplifiers 10 amps max per pole continuous, accessories 2.5 amps max continuous; white ..... \$230  
**ACE-515.** Black ..... \$180

## a/d/s/

**B3 Storage Module**  
Stackable wooden cube divided into 3 sections by 2 vertical dividers. Tambour door in front slides up into top of unit. Each section holds about 33 L.P.'s (about 99 total per unit). With optional 12-slot trays, each section holds 24 compact discs (72 total per unit) or 36 cassettes (108 total per unit). Single unit can hold 33 L.P.'s in first section, 24 CD's in second, and 36 cassettes in third. Length and width matches Atelier components. Black or white ..... \$249  
**B4.** As B3; open front; adjustable shelf .. \$169

## ALLSOP

### Sonic-Enhancement Series

**Model 72500 Audio Isolators**  
Isolates audio components from vibration for improved sonic performance; 4/pack .. \$29.95

**Model 51040 CD Protective Stabilizers**  
Dampens vibration and balances CD; adds a ridge of protection around circumference of CD; works in single and multiple CD players; 24/pack ..... \$27.95  
**Model 51040.** As above, 12/pack ..... \$14.95  
**Model 51030.** As above, 3/pack ..... \$4.99

### Audio Cassette-Deck Cleaning Systems

**Model 74000 Cassette-Deck Cleaning System**  
Wet system for autoreverse cassette decks; cleans heads, capstan, and pinch roller; refillable; includes refill kit and storage pouch \$19.95  
**Model 73000.** Same as above with storage base instead of refill kit and storage pouch .. \$11.95

**Model 71000 Cassette-Deck Cleaner**  
Wet system for autoreverse cassette decks. Cleans heads, capstan, and pinch roller; non-refillable ..... \$7.95  
**Model 70000.** As above, mini-pack ..... \$6.95

**Model 71010 Refill Kit**  
For 73000 and 74000; with fluid, cartridges, and tweezers ..... \$5.95

**Model 79100 Universal Cleaning Solution**  
Audio, video and CD cleaning solution; 2-oz bottle on hang card ..... \$4.95

### Compact Disc Cleaning System

**Model 51000 CD Cleaner**  
Radial cleaning; uses lint-free cotton pads and solution; gear-driven disc rotation ..... \$14.95  
**Model 51050.** Compact disc replacement pads for 51000 ..... \$2.95

## AMERICAN RECORDER TECHNOLOGIES

**S-711 Professional Head Cleaner.** Halogenated hydrocarbon compound; zero alcohol content. 2 oz bottle ..... \$7.95

**CS-1.** Cotton/Swabs; pkg of 100 ..... \$2.95

### Cassette Cleaners and Demagnetizers

**D-501 Tape Head Demagnetizer.** Uses DC-DC converter with 1.5 V power source .... \$24.95

**D-511 Wand Demagnetizer.** Removes magnetism from heads, tape guides and other metal objects ..... \$24.95

**C-911B Cassette Cleaner**  
Dual-reservoir design; runs for 15 sec; 2 pairs of capstan/roller cleaning pads, one for each capstan position; S-711 is used to dampen reservoirs; cleaning pad is made of nonabrasive woven nylon ..... \$14.95  
**C-912B.** Replacement pad kit for above . \$3.95  
**K-161.** Pro recorder care kit ..... \$35  
**K-141.** Cassette cleaner w/case ..... \$19.95

**Compact Disc Cleaners** ..... \$16.95-\$39.95

## R. B. ANNIS

**Demagnetizers and Magnetometers**  
*Used to register the magnetism in tape recorder components and demagnetize them when necessary. The kits include the Han-D-Mag, a pocket magnetometer, a clip-on extension probe, a set of steel strips, and instructions.* ..... \$50-\$97

## APATURE

**CI-2-16 Custom Installation Wire.** Meets U.S. construction requirements; 16 gauge.  
4-conductor ..... \$1.25/ft  
2-conductor ..... \$.60/ft

**SP-518 Speaker Cable.** Seven-wire rope-type design; 12-gauge; 21 pF per foot ..... \$1/ft  
**SP-134.** Same as above, 16-gauge ..... \$.50/ft  
**SP-87.** 18-gauge wire ..... \$.25/ft

**Speaker-Cable Connectors**  
**Dual Solderless Banana.** Gold ..... \$10.00  
**Solderless Spade.** Gold ..... \$4.00  
**Single Solderless Banana.** Gold ..... \$4.00  
**Lock-Notch Solderless Pin** ..... \$2.50  
**Single Banana.** With Insulator (crimp);

# ACCESSORIES

gold ..... \$2.00  
**Spade.** With insulator (crimp); gold ..... \$7.75  
**Lock-Notch Pin.** With insulator (crimp); gold ..... \$7.75

## Interconnect Cables

**Black Beauty Digital.** 8-conductor silver wire with Teflon dielectric; shielded with drain wire ..... \$5/ft  
**Audio/Video 30 Strand.** OFC copper with air dielectric, 19.2 pF ..... \$2/ft  
**Audio/Video 19 Strand.** As above, without shielding ..... \$1/ft

## Interconnect Connectors

**Rainbow RCA.** Gold; 5 microns single body \$5.00  
**Black Beauty RCA.** Gold; strain relief .. \$5.00  
**Solderless RCA.** Gold; for AV ..... \$3.00  
**F-to-RCA Adaptor.** Gold ..... \$2.50  
**Large RCA.** Gold; with insulators ..... \$2.50  
**Female RCA.** Gold ..... \$7.75

## ARCAM

**DIN Connectors.** DIN-to-phono and DIN-to-DIN ..... \$14.95

## AUDIO ACCESS

### PX-6 Remote-Control System

Multiroom remote-control system with wall-mounted controller and handheld remote control. Features five AV inputs; volume control; infrared input/output; four AV outputs . \$1,000

## AUDIO COMMAND SYSTEMS

### Model CT-8300 Multiroom Switching Unit

Used as a central switching unit in conjunction with model 8300 series (see below). Includes all necessary audio inputs and outputs, AC outlets, and control circuitry. Options: front-panel faceplate to act as master system control panel; speaker or line-level volume control for room speakers; infrared wireless control; spare buttons for custom requirements. Available in rack-mount and non-rack-mount versions. Black-anodized finish. 19 x 3½ x 11½ in \$1,695

### Remote-Control Panels

All models are designed for use with CT-8300 switching unit and provide the following features unless otherwise noted: master system power on/off; source select between radio, disc, and tape; remote select 7 preset radio stations; remote access to multiply CD changers; remote control of autoreverse cassette decks; control of local room speaker volume level and on/off; visual status of system functions. Faceplate finishes include brushed solid brass, black anodized aluminum, clear anodized aluminum, and white laquer.

**Model 8300-3SP.** Includes 3 buttons to control any device within room or home. Price depends upon pre-existing system layout. 6¾ x 4½ x 3 in ..... \$695-895  
**Model 8300-6SP.** As above, 6 buttons \$695-895

**Model 8300-DV.** Has an additional volume control for additional speakers. 6¾ x 4½ x 3 in \$750

**Model 8300.** Only basic features. 4¾ x 4½ x 3 in ..... \$695

**Model 8300-EV.** Includes an electronic 2-input volume control. Price depends on pre-existing system layout. 4¾ x 4½ x 3 in ..... \$595-795

**Model 8300A-DV.** Excludes basic features; for use with panels above. On/off and volume control of local room speakers; status indicator; additional speaker-volume control. 4¾ x 4½ x 3 in. \$295

**Model 8300A.** As above without the additional speaker level control. 2¾ x 4½ x 3 in .... \$195

## AUDIO CONTROL

### The Director Speaker-Level Zone Switcher

6-zone output with independent volume control over main zone; impedance protected. Dual input sources available to main zone with simultaneous primary sourcing to 5 outlying zones; bypass switch for main-zone volume control ..... \$299

## AUDIO DESIGN ASSOCIATES

### IMC-85 Integrated Media Controller

Capable of passing 8 audio/video inputs across eight audio/video outputs simultaneously; capable of switching 3 RF inputs across 5 RF outputs. Features 8 x 8 matrix audio/video switching; 3 x 5 matrix RF switching. Inputs: 8 stereo audio inputs; input imp > 47,000 ohms; max input level ± 2 V. 8 RCA video inputs; 75 ohms terminated. 3 F-connector inputs; 75 ohms; input level 300 µV to 10 mV (-10 to +20 dBmV). Outputs: 8 stereo audio outputs; output imp < 1,000 ohms; S/N > 100 dB; FR 0 to 100,000 Hz ± 0.25 dB; THD 0.05%; crosstalk > 100 dB; max output level 2 V rms. 5¼ x 19 x 12¼ in; 101 lbs ..... \$1,995

### AS-1000 Auto Scanalyzer

Audio display featuring 10 bands per channel. Shows peak hold, level input, and max level ..... \$995

### ISO-2 Line-Level Isolation Amplifier

Active, differential unity-gain amplifier with differential input with ground isolation between the RCA inputs and outputs. Can be used to eliminate audible hum due to ground loops and is capable of driving long line-level wire runs. 2 x 3 x 4 in ..... \$299

### CCS-2 Speaker Source Selector

AC current-sensing device that provides a switched outlet and allows a pair of speakers to be used with two amplifiers. Current sensitivity level is adjustable ..... \$299

### LLSM-6 Line-Level Audio Switcher

Audio switching device featuring 6 line-level inputs for both open and closed and switches between them to 6 line-level outputs. Features adjustable delay to avoid popping sound. Can be used to switch common amplifiers from music preamp to surround-sound decoder. Can also be used to delay line-level signal from reaching amplifiers during initial surge. Triggers relay when supplied with 12 V DC ... \$299

### ACS-2 AC Controlled Speaker Switcher

Allows a pair of speakers to be used with two amplifiers. AC triggers switching device .. \$269

### ACC-1M Low-Voltage AC Controller

Power switching device for any component. Features two grounded; switched outlets and two control inputs. Allows two separate systems to share common component. Component turns on when either system is turned on. Provides switched AC for local source via low-voltage control run. Switched outlets get triggered by either of two 3-24 volt AC or DC inputs ..... \$269

### CSM-6 Consecutive Power Module

Supplies low voltage to 6 ACC-1M's, one at a time. Features push-on termination plug. Allows multiple amplifier to be used on one circuit without overloading circuit during initial surge. Triggers various ACC-1M's when receiving a 12-V DC signal ..... \$269

## System Series

Switching systems for multiroom applications. Facilitates control of system use from remote areas.

### System 8000

Multisource, multiroom, audio/video remote-control system covering up to 8 zones per mainframe. Capable of playing up to 8 sources simultaneously. Features central and remote control of source selection; one function control per source; volume, bass, and treble control; room off, and system off. LED indicators give system status. Includes MR-808 integrated amplifier; works for six rooms ..... \$21,158

### System Omega

Highly expandable multisource, multiroom, audio/video remote-control system. Capable of playing up to eight sources simultaneously. Features central and remote control of source selection: one function control per source; volume, bass, and treble control; room off and system off. LED indicators give system status. Includes either CR-8A or CR-A integrated amplifier; works for six rooms ..... \$14,514

**Opto-Link Infrared Repeater System.** Infrared repeater which can be used with System Omega and System 8000 ..... \$575

**CIC-16 Computer Interface Controller.** RS-232 interface for System Omega and System 8000. Includes software. Capable of controlling up to sixteen zones per unit via personal computer ..... \$1,658

### System 100

Central audio remote-control system covering up to 8 rooms per mainframe. Features individual room on/system on; selection of 8 sources; system tone controls; record power switch; room off and system off. From remote rooms can select one of three sources (2 fixed/1 variable); one function control per source; room volume control; room off and system off. LED indicators give system status. Includes amp and preamp; works for eight rooms ..... \$5,990

### System 699

Highly expandable central audio remote-control system. Features an all-room-on/system-on and system-off control from central location. From remote rooms: room on/system on, one function control per source, room off and system off, and local volume control. LED indicators tell whether room or system is on. Local source can feed speaker. Operates with any receiver, integrated amplifier, amp/preamp, and sources ..... \$975

## AUDIOPRISM

### AudioPrism APPA-8500 FM Antenna

Features ½-wavelength phased array; 3 switchable levels attenuation: 0-dB, 12-dB, & 18-dB; 4 reception positions. Gain 8.1 dB; imp 75 ohms; F connector. Coarse-weave decorator-fabric tube finish; semigloss black lacquer base ..... \$450  
 Optional hand-rubbed solid-olk base .... \$50

### AudioPrism 7500 FM Antenna

Features coaxial, twin-tuned, ¼-in-diameter, pure-aluminum J-Pole-configured elements. Black or beige fabric ..... \$190

### Ultima Cable

Features 100% Teflon insulation; 100% RF shielded cable; OFC, silver-coated wire; precision-machined connectors with solderless compression fit. 0.5-3 m ..... \$160/pr

### High-Q 6500 FM Antenna

Indoor FM antenna. Features ¼-wave, C-loaded design; ultra high-Q design; horizontal, 360-

# ACCESSORIES

degree omnidirectional; vertical, directional; direct 75-ohm F connector. . . . . \$90

## PinPoints Spikes

Transfer and eliminate unwanted harmonic vibration and excessive resonance from components, cabinetry, and speakers. Support 25 lb ea.: 4 pack . . . . . \$11

## AUDIO QUEST

**AQ Sorbothane Big Feet.** Set of four 2½-in-diameter, 1-in-high vibration-absorbing feet \$40  
**AQ Sorbothane Record Mat.** 1/10-in thick record mat for turntables; absorbs vibrations from the vinyl . . . . . \$39  
**AQ Sorbothane CD Feet.** Four 2-in-diameter, ½-in-high vibration-absorbing feet for CD players . . . . . \$25  
**AQ Record Brush.** Features one million conductive carbon fibers small enough to enter record groove of the record . . . . . \$15

**CDR-60 CD Stabilizer Rings**  
 Set of 60 adhesive rings designed to stabilize compact discs and prevent distortion from error-correction circuitry. Includes locator device for proper placement on discs . . . . . \$59  
**CDR-30 CD Stabilizer Rings.** Same as above, set of 30 . . . . . \$35  
**CDR-6 CD Stabilizer Rings.** Same as CD-60, set of 6 . . . . . \$9

## CDR-60 CD Stabilizer Rings

**AudioQuiet Sound Paneling.** Fiberglass panel covered in fabric. Any size up to 5 x 10 ft; 54 fabrics available . . . . . \$8.50/sq ft

**AQ DM-1000 Phono Cartridge Demagnetizer**  
 Demagnetizes and restores life in most phono cartridges . . . . . \$80

**Interconnect Cable**  
**Lapis Hyperlitz.** 6N pure copper strands separated by Teflon rods wrapped around a solid Teflon core. Available with welded gold-plated RCA plugs or XLR plugs. 1-meter pair . . . \$450.  
 Other lengths, add or subtract \$300/meter-pair

## Interconnect Cable

**Emerald Hyperlitz.** FPC (Functionally Perfect Copper) strands separated by polypropylene rods wrapped around a teflon core. Available with welded gold-plated RCA plugs or XLR plugs. 1-meter pair . . . . . \$250.  
 Other lengths. . . . . \$100/meter-pair

**Quartz Hyperlitz.** Four solid, polypropylene insulated 6N pure copper conductors. Available with welded gold-plated RCA plugs or XLR plugs. 1-meter pair . . . . . \$150  
 Other lengths, add or subtract \$60/meter-pair

**Ruby Hyperlitz.** Four solid, polypropylene insulated FPC (Functionally Perfect Copper) conductors. Available with gold-plated RCA plugs or XLR plugs. 1-meter pair . . . . . \$90  
 Other lengths, add or subtract . . \$24/meter-pair

**Topaz Hyperlitz.** Four solid, polypropylene insulated OFHC copper conductors. Gold-plated RCA plugs. 1/meter-pair . . . . . \$50  
 Other lengths, add or subtract \$10/meter-pair

**Turquoise Hyperlitz.** Four solid insulated OFHC copper conductors. Gold-plated RCA plugs. 1 meter pair . . . . . \$30  
 Other lengths, add or subtract . . \$6/meter-pair

**Speaker Cable**  
**Clear Hyperlitz.** Twenty-four spiraled solid, foam polyethylene insulated 6N pure copper conductors. . . . . \$50/ft (+ \$95/pr. prep)  
**Green Hyperlitz.** Six spiraled Hyperlitz conductors . . . . . \$25/ft (+ \$85/pr. prep)

## Speaker Cable

**Cobalt Hyperlitz.** Six spiraled Hyperlitz OFHC copper conductors . . . . \$15/ft (+ \$75/pr. prep)

**Midnight Hyperlitz.** Twenty-four spiraled solid polyethylene insulated OFHC copper conductors . . . . . \$6/ft (+ \$50/pr. prep)

**Indigo Hyperlitz.** Ten spiraled solid, polyethylene insulated oxygen free copper conductors . . . . . \$2.50/ft (+ \$40/pr. prep)

**F-18.** Eight solid OFHC copper conductors in a flat cable (brown or white) . . . . . \$1.50/ft

**Type 4.** Four spiraled solid, polyethylene insulated OFHC copper conductors . . . . . \$1.50/ft

**Type 2.** Two spiraled conductors each with 3 strands of OFHC copper . . . . . \$0.98/ft

**F-14.** Four solid OFHC copper conductors in a flat cable (blue or white) . . . . . \$0.75/ft

**LLC-1 CD Laser Lens Cleaner**  
 Digitally encoded CD with built-in carbon-fiber-impregnated cleaning brush that cleans CD player's lens . . . . . \$29.95

## AUDIOSOURCE

**AT605 Audio Insulator System**  
 Vibration-damping feet for use under speakers or turntables to prevent acoustic feedback; individually adjustable height. 4 pk . . . . . \$40

## AUDIO-TECHNICA

**AT6015 TechniClean**  
 Record-maintenance system cleans record surface and reduces static . . . . . \$26  
**AT613.** TechniClean record-cleaner replacement fluid. Removes dust, dirt, and oily fingerprints without promoting static. 60 cc . . . \$4.50

**AT6078 Wet/Dry CD-Lens Cleaner**  
 Eight brushes provide cleaning action over entire surface of laser lens. Includes fluid . . . \$25

**AT6090 Rotary CD Cleaner**  
 Mechanical system cleans disc quickly and uniformly. Rotary top transfers finger motion via gears to cleaning rings inside unit. Includes cleaning fluid. . . . . \$25

**AT609 Headshell Wire Set**  
 Upgrades original headshell wiring. Set of 4 color-coded silver Litz wire with gold-plated connectors . . . . . \$11.95

**AT6058 Wet/Dry CD Cleaner**  
 Squeegee system cleans discs thoroughly without leaving streaks. Includes cleaning fluid . . . . . \$11.95

**AT607 Stylus Cleaning Formula**  
 Cleaning solution dissolves foreign material on stylus without harming known stylus adhesives; in bottle with stylus brush . . . . . \$4.95

**Model 510B Peak-Response LED Display**  
 Monitors power output from amplifier. Uses both positive and negative peak detectors. Measures in 1-dB increments around 0 dB point. Frequency response 20-20,000Hz; displays attack time 750-microseconds for 45-dB rise to less than 50 microseconds for 20 dB rise; accuracy ± ¼ dB in 1 dB steps. 7½ x 1¼ x 5½ in; 2.21 lb. . . . . \$169

**Model 511 Peak-Response LED Display.** Same as above but includes peak-hold capability calibrated by the user . . . . . \$235

## AUDIO TECHNOLOGY

**7-Contact Female XLR Connectors**  
**8XLRFBG.** Gold-plated; black chrome . . \$9.43  
**8XLRFNS.** Silver contacts; nickel-plated \$9.03

## BANG & OLUFSEN

**Beolink 7000 A/V Controller**  
 Multiroom 2-way wireless A/V system controller with built-in microprocessor. Provides full interactive operation with Beosystem 6500, Beosystem 4500, and Beocenter 9500; also works as 1-way control with newer B&O A/V products. Automatically configures its controls and displays to match audio or video source being used (no extraneous controls); simultaneously displays complete operational status and provides helpful prompts. Features touch panels; tilting motorized operating panel which is raised and lowered by linear cam; timer programming; rechargeable long-life NiCd battery and back-up battery. Polished aluminum and black glass . . . . . \$1,000

## BASF

**Ferro Extra I Cassette Case**  
 Cushioned, fully lined vinyl case holds 10 cassettes. Features protective shell able to withstand temperature extremes of -22°F to 185°F. . . . . \$9.95

## BELDEN WIRE AND CABLE

*All connectors and adaptors are made by Neutrik USA and feature screwless composition; 3-prong internal strain relief; expanding exterior boot; O-ring design.*

**3-Contact Right-Angle Female XLR Connectors**  
**8XLRFBG.** Gold-plated; black chrome . . \$9.43  
**8XLRFNS.** Silver contacts; nickel-plated \$9.03

**XLR Adaptors**  
**9ADTFF1.** Female to female . . . . . \$8.87  
**9ADTMM1.** Male to male . . . . . \$7.93  
**9ADTFM1.** Female to male . . . . . \$7.93

**3-Contact Right-Angle Male XLR Connectors**  
**8XLRMBG.** Gold-plated; black chrome . \$8.67  
**8XLRMNS.** Silver contacts; nickel-plated \$8.34

**3-Contact Female XLR Connectors**  
**9XLRFHD.** Silver contacts; nickel/rubber-boot shell; heavy duty . . . . . \$7.82  
**9XLRFBG.** Gold-plated; black chrome . \$3.87  
**9XLRFNS.** Silver contacts; nickel-plated \$2.00

**3-Contact Male XLR Connectors**  
**9XLRMHD.** Gold-plated; stainless shell; heavy duty . . . . . \$7.60  
**9XLRMBG.** Gold-plated; black chrome . \$3.45  
**9XLRMNS.** Silver contacts; nickel-plated \$2.34

**Quarter-Inch Phone Plugs**  
**9PBB001.** Long frame; 3 contacts; black powder coated . . . . . \$6.22  
**9PBR001.** Long frame; 3 contacts; red powder coated . . . . . \$6.22  
**9PQ30NS.** 3 contacts; nickel-plated . . . \$3.34  
**9PQ30BG.** 3 contacts; black chrome . . . \$3.34  
**9PQ20BG.** 2 contacts; black chrome . . . \$3.01  
**9PQ20NS.** 2 contacts; nickel-plated . . . \$2.86

**3-Contact Female XLR Receptacles**  
**9RCPFBG.** Gold-plated; black chrome . . \$4.34  
**9RCPFNS.** Silver contacts; nickel-plated \$3.33

**3-Contact Male XLR Receptacles**  
**9RCPMBG.** Gold-plated; black chrome . \$3.72  
**9RCPMNS.** Silver contacts; nickel-plated \$3.16

## BELL'OGGETTI

**Model S-100 Audio/Video Rack**  
 Features metal stand designed to accommodate complete audio component system; tempered glass shelves; high-impact thermal finish; holds

# ACCESSORIES

up to 35-in TV; spins on 360 degree angle; adjustable in height from 24-in to 30-in. Italian design. Black ..... \$1,200

**Model B-705 TV/VCR/Audio Rack**  
Features all-metal construction; tempered glass shelves; high-impact thermal finish. 36 x 22 x 21 1/4 in. Italian design. Black ..... \$450

**Model B-600 TV/VCR/Audio Rack**  
Features all-metal construction, high-impact thermal finish. 19 3/4 x 25 1/2 x 17 in. Italian design. Black ..... \$300

## BENJAMIN

**Professional Bulk Tape Erasers** ..... \$295-595

**Hand-Held Bulk Tape Erasers**  
Erasers feature momentary switch; 1 min. on/20 min. off cycle ..... \$39.50-\$59.50

**Cordless Audio-Cassette Eraser** ..... \$9.95

## BIB

**A-639 CD Laser Lens Cleaner.** Special disc with optical-grade cleaning brush ..... \$35

**A-648 Laser-Disc Polish.** Anti-static formula; removes light scratches. Includes polishing cloth, storage case ..... \$20

**A-616 CD Cleaner.** Features molded disc tray; chamois-covered cleaning pad/wheel; cleaning fluid; disc-eject lever; cleaning brush ..... \$20

**A-625 Cassette-Deck Cleaner.** Auto gear-driven cleaner. Cleans tape heads, capstans, and pinch rollers. Includes storage album and cleaning fluid ..... \$16.95

**A-636 CD Care System.** Includes cleaning fluid, polish and chamois polishing cloths ... \$14.95

**A-640 CD Polish Applicator.** Pre-measured CD polish applicator; treats up to 500 CD's ..... \$14.95

**A-632 Audio-Cassette Care System.** Includes head cleaner, cleaning fluid, and tools to remove contaminants ..... \$14.95

**A-634 Record and Stylus Care System.** Includes antistatic, carbon-fiber brush; stylus-cleaning fluid ..... \$14.95

**A-660 CD Storage Strips.** Self-adhesive strips for converting drawers, cabinets, or shelves for CD storage ..... \$14.95

**A-621 CD Storage Album.** Holds six discs \$12.95

**A-616RP.** Replacement cleaning pad and fluid for A-616 ..... \$9.95

**A-629 Cassette-Deck Cleaner.** With demagnetizer ..... \$9.95

**A-635 CD Polish.** Applies antistatic protection ..... \$9.95

**A-611 CD Storage Module.** Holds 20 CD's in jewel boxes; touch release; modular design; wall or shelf mounting. Two modules ... \$5.95

**A-612 Disposable Tape-Head Cleaner.** Wet-type cleaner good for two applications ..... \$2.99

## BMI

**Model 03036 Sportpak**  
Nylon case with adjustable, removable shoulder strap and carry handle; outside zippered pocket for Walkman-type portables and accessories; holds 36 boxed or 54 unboxed audio cassettes. Black, blue, gray, and red .. \$14.99

**Avanti Series**  
All Avanti cassette cases have adjustable, removable shoulder straps and carry handles, have removable hard plastic insert(s), and come in a range of colors, including blue, gray, and teal green.

**Model 40072.** Holds 72 boxed or 108 unboxed audio cassettes ..... \$24.99

**Model 40036.** Holds 36 boxed or 54 unboxed audio cassettes ..... \$16.99

**Model 40016.** Holds 16 boxed or 24 unboxed audio cassettes ..... \$11.99

**Design 2000 series**  
*Oak-wood cabinets with glide drawers.*  
**Model 25042.** 3-drawer cabinet which holds 42 single or 21 double compact discs ..... \$19.99  
**Model 05042.** 3-drawer cabinet which holds 42 audio cassettes ..... \$14.99

## BOULDER

**Balanced Cables**  
*Gold-plated 3-pin male to 3-pin female in lengths from 6-75 ft ..... \$132/pr-\$336/pr*

**Speaker Cables**  
*For use with Boulder power amps only. Also available with gold spade connectors on one or both ends. In lengths from 6-25 ft, stacking banana both ends, co-axial .. \$192/pr-\$432/pr.*

**Interconnect Cables**  
*With gold-plated RCA connectors. 8-in to 6-ft ..... \$69-\$99*

## BRETFORD

**Model 5579 Americana Audio/Video Rack**  
Features height-adjustable roll-out, removable, and fixed shelves; full-length glass doors with wood trim. Accommodates TV's up to 27-in wide. Lower storage area contains wire-formed dividers. Hand-rubbed lacquer finish; slotted back panel for cable management. Dark/medium/new-black oak. 49 1/4 x 46 x 19 in ..... \$499

**Model 5577 Americana Audio Cabinet**  
Features height-adjustable roll-out, removable, and fixed shelves; full-length glass doors with wood trim. Lower storage area contains wire-formed dividers. Hand-rubbed lacquer finish; hidden casters; slotted back panel for cable management. Available in dark/medium-black oak. 23 x 47 x 17 in; 88 lb ..... \$296

## BRYSTON

**Switch Boxes**  
*Designed for high-current applications.*  
**4-Way.** With headphone jack ..... \$225  
**3-Way.** With headphone jack ..... \$225  
**2-Way.** With headphone jack ..... \$135

## BUFF STUFF

**CD Saver**  
Compact disc restorer eliminates audible pops and clicks caused by light scuffs and scratches on CD's and videodiscs; 30-milliliter bottle; good for dozens of applications; harmless to plastic coating on CD's ..... \$9.95

## BUSH

**Jamestown Collection**  
*Features golden brown oak finish, solid-oak dentil molding, raised panel doors and drawers, soft-shaped pilasters, and brass hardware.*  
**AV786.** AV center. 2 storage drawers; 4 shelves; tempered-glass doors. 50 3/4 x 53 x 20 1/4 in ..... \$420  
**AV763.** AV center. Features 4-shelf component area; tempered-glass doors; enclosed storage area. 48 3/4 x 53 x 16 1/4 in ..... \$315  
**A667.** Audio cabinet. Features one fixed, three adjustable component shelves; tempered-glass doors; casters. 47 1/2 x 22 1/4 x 16 1/4 in ..... \$190

**Furniture Systems Series**  
*With rounded corners, soft-shaped tops, fully radiused shelf fronts with decorative accent lines, oak finish, full-length solid-oak door*

*pulls, cord openings in rear, 72 in.*  
**L124WS.** Wood doors; 15 1/4 in ..... \$180  
**L123WS.** Open shelving; 15 1/4 in ..... \$150

**AV1375 Entertainment Center**  
Audio/video home entertainment center with 25 x 27-in TV compartment; adjustable VCR shelf; glass-enclosed storage with adjustable shelf; 20 1/4-in glass-enclosed audio area with 3 adjustable shelves; silk-screen pattern on glass doors with wood frames. Solid oak and oak laminates with lacquered finish. Rounded edges; soft shapes. 49 1/2 x 47 3/4 x 19 in. 180 lb ..... \$450

**AV774 Room Divider/Entertainment Center**  
2 drawers below TV compartment; 4 adjustable bottom doors; wooden door handles; rounded edges on frame; shelving; drawers and doors. Oak finish. 49 x 69 1/2 x 15 1/2 in; 180 lb .... \$285

**AV760 A/V Center**  
TV compartment for 26/19-in TV; tempered glass door; 3 adjustable shelves; enclosed space for accessories; pedestal base; adjustable shelf above TV compartment. Oak finish. Soft-shaped tops and rounded edges ..... \$250

**B0829 Armoire A/V Center**  
Designed for bedroom. Features rear-cord access; 1 set of double doors; can also be used for clothing. Oak finish; wood handles with brass end caps. 59 x 30 x 20 1/4 in ..... \$280

**A1365 Audio Cabinet**  
22-in interior glass-enclosed facade with silk-screen pattern and wood frames; 2 adjustable interior shelves; hand-stained and chiseled accent lines; rounded edges and soft-shaped design. Solid oak and oak laminates with lacquered finish. 23 1/2 x 42 1/4 x 16 1/2 in ..... \$225

**AV757 A/V Center**  
AV entertainment center. Features space for several audio components, VCR and TV; tempered-glass doors; enclosed storage area. \$205

**A641 Audio Cabinet**  
Tempered glass door; 2 adjustable shelves; soft-shaped lift top; 2-wheel casters ..... \$135

## Artisan Plus Series

**AV1340 Entertainment Center**  
Sculpted edges and corners; 3 adjustable shelves, tempered glass door; 3 finished drawers, with lock; oak handles, top and side rails; for 31-in TV's ..... \$470

**A1342 Audio Cabinet**  
3 adjustable shelves, 1 drawer, tinted glass doors, hidden casters. 23 1/2 x 42 1/4 x 16 1/2 in \$250

**V1344 TV/VCR Cart**  
One drawer, VCR shelf; holds 27-in TV's; hidden casters. Oak finish. 22 1/2 x 28 1/2 x 20 1/4 in . \$175

**Presidential Collection**  
*Cabinets feature rounded edges, and are available in light oak veneer. Fastening parts are pre-installed, and panels screw together.*

**AV2440 Entertainment Center**  
Features CD disc flip-storage space; adjustable pull-out shelf for turntable or disc player; 3 adjustable component shelves; drawer for accessories; recessed doors cover TV compartment; 2 tempered glass doors cover component shelves. Fits 20-in and most 27-in TV sets. \$550

**AV2442 Audio Cabinet**  
Features CD flip-storage space; pull-out shelf for audio components; two adjustable interior shelves; glass doors. 45 x 21 1/4 x 16 1/4 in .. \$260

# ACCESSORIES

**V2444 TV/VCR Cart**  
One drawer, VCR shelf; holds 27-in TV's; hidden casters. Oak finish. 22½ x 28½ x 20¼ in. \$180

## Innovations Collection

**AV0410 Entertainment Center**  
Features tempered, tinted glass doors; 4-door storage space; VCR shelf; 3 interior shelves. For 20-27-in TVs. Black ..... \$340  
**AV0810.** As above, light-oak veneer ..... \$320

**VO420 TV Swivel Stand**  
Features adjustable shelf behind tempered glass doors; swing-open side panels. Accommodates 35-in TV's. Black ..... \$250

**A0412 Audio Cabinet**  
Features pull-out shelf and 3 adjustable interior shelves; tempered, tinted glass doors. Black finish. 41½ x 21¼ x 16½ in ..... \$200  
**A0812.** As above, light-oak veneer ..... \$190

**V0806 Media Cabinet**  
Storage cabinet with doors has space for audio and videocassettes. Features flip-storage rack for CD's; shelves on interior of doors. Finished in light-oak veneer. 32 x 23 x 15½ in ..... \$170

**AO411 Audio Cabinet**  
Rounded edges; 3 adjustable shelves behind tinted, tempered glass; dual-wheel casters. Satin black finish. 21¼ x 41¾ x 16¾ in. .... \$170

## Ventura Collection

**AV2517 Entertainment Center**  
Features component compartment behind glass door; 3 adjustable shelves, 1 fixed shelf; storage behind 2-door compartment; 2 drawers; solid-wood door handles. Oak finish ..... \$350  
**AV2617.** As above, satin black ..... \$350

**Harvest Oak Collection**  
Units feature overhang top, dentil molding, and brass-finished hardware. Also feature hidden storage behind 2 embossed doors.

**AV1730 Entertainment Center**  
3 adjustable shelves behind tempered-glass doors; doors hide 31-in TV's ..... \$460

**AV1710 Entertainment Center**  
2 adjustable shelves, 1 fixed shelf behind tempered-glass doors; holds 27-in TV's ..... \$260

## Fall River Collection

**AV1208 Entertainment Center**  
Features 3 component shelves, 2-door compartment, 1 drawer for hidden storage, 1 VCR shelf; holds 27-in TV's. Walnut finish ..... \$160

## American Contemporary Collection

**V1006 Media Cabinet**  
Lockable storage cabinet with 4 shelves, door panel racks hold over 120 VHS tapes or 300 CD's; designed to fit into an existing arrangement. Oak finish. 35½ x 20 x 12¾ in ..... \$130  
**V1007.** As above, satin black finish ..... \$130

## CALIBRON

The manufacturer offers a full line of CD, cassette, and record-maintenance kits; tape-head demagnetizers, storage units, interconnects and cable ..... \$1.99-\$38

## CANTON

**CF-1 Speaker Feet**  
Set of 8 sound-adsorbing feet for speakers \$125

**Cantosweep**  
Record-care brush with antistatic carbon bristles. Removes static charges, dirt particles from grooves before play ..... \$30

## Connect Series Switchboxes

**Connect 50.** Handles one to four pairs of speakers. Features volume controls for adjusting channels 2 and 4; connections to amplifier output; DIN speaker jacks ..... \$125  
**Connect 20.** Switchbox for 1-3 tape decks or 2 decks and 1 high-level signal source. Features left/right regulators to reduce signal levels before recording; 5-pole DIN jacks ..... \$80  
**Connect 10.** Similar to Connect 20 except designed for 1-3 pairs speaker switching. Features standard DIN speaker jacks ..... \$70

**Cantolink Speaker Cable**  
**Model 60.** 60-mm ..... \$2.74/ft  
**Model 40.** 40-mm ..... \$1.52/ft  
**Model 25.** 25-mm ..... \$1.07/ft  
**Model 15.** 15-mm ..... \$0.88/ft

## CASE LOGIC

**Solid-Oak Racks**  
Designed to hold cassettes, CD's, and videotapes in combination.  
**DCD-250.** Five-level rack holds 250 CD's \$100  
**DCD-150.** Three-level rack holds 150 CD's \$60

**Oak CD Cabinets**  
**OCD-100.** Holds 100 discs ..... \$60  
**OCD-50.** Holds 50 discs ..... \$40

**Oak Tape Cabinets**  
Available in horizontal or stacked construction.  
**OC-60.** Holds 60 cassettes ..... \$35

**Nylon Cassette Carrying Cases**  
Cases have foam padding and plastic trays. Black, grey, red, electric blue, black/teal.  
**CL-120.** Holds 120 tapes ..... \$39.95  
**CL-60.** Holds 60 tapes ..... \$24.95  
**PSC-30.** Holds 30 tapes; zippered pocket \$18.95  
**CP-30.** Holds 30 tapes; zippered pocket \$16.95  
**CLS-30.** Holds 30 tapes ..... \$14.95  
**CP-20.** Holds 20 tapes ..... \$12.95  
**CL-15.** Holds 15 tapes ..... \$9.95  
**CS-14.** Holds 14 cassettes singles ..... \$6.95  
**CL-10.** Holds 10 tapes ..... \$6.95

**Nylon CD Carrying Cases**  
Construction and color selection same as cassette version above.  
**CD-60.** Holds 60 discs ..... \$35.95  
**PSCD-30.** Holds 30 discs ..... \$24.95  
**CD-30.** Holds 30 discs ..... \$19.95  
**CD-15.** Holds 15 discs; pocket ..... \$14.95  
**CD-8.** Holds 8 discs ..... \$6.95

**Plastic CD and Cassette Cases**  
**PD-30.** Holds 30 CD's; black ..... \$14.95  
**MC-20.** Holds 20 cassettes; available in black, gray, raspberry ..... \$8.95  
**TCD-30.** Holds 30 CD's; black ..... \$8.95  
**T-30.** Holds 30 cassettes; black ..... \$4.95

**Pine CD Cabinets**  
**PCD-100.** Holds 100 CD's; solid pine .. \$39.95  
**PCD-75.** Holds 75 CD's; solid pine ..... \$34.95  
**PCD-50.** Holds 50 CD's; solid pine ..... \$24.95

**Pine Cassette Cabinets**  
**PC-100.** Holds 100 cassettes; solid pine \$34.95

**Accessory Cases**  
**DM-1.** For portable CD players ..... \$19.95  
**BP-1.** Belt pack/case for personal stereos, tapes, and accessories. Available in black, blue, pink ..... \$11.95

## CATALOG IT

**CD Racks**  
Solid-wood construction ..... \$7.99 ea  
Set of 3 ..... \$21.95

## CELLO

**Cables**  
20-ft Speaker Harness Cables ..... \$250/ea  
**Adaptors** ..... \$80-\$620

## CLIK CASE BY OUTER CIRCLE PRODUCTS

**C-36 Cassette Case**  
Holds 36 tapes. Polypropylene; 10 colors . \$15  
**C-16.** As above, holds 16 tapes ..... \$9

**Clik CD Case**  
Weather-resistant case holds 16 CD's. Angled display; black or gray ..... \$13.50

## COAST

**Audiocassette Cases**  
**AC-120.** Holds 120 cassettes. Adjustable shoulder strap/handle. Nylon fabric; red, navy, gray, black ..... \$35.95  
**AC-60.** As above, holds 60 cassettes .. \$19.95  
**ACP-30.** As above, holds 30 cassettes; zipper pocket for accessories and carry handle \$14.95  
**AC-30.** As AC-60, holds 30 cassettes. . \$12.95  
**AC-15.** As above, holds 15 cassettes with wrist strap. .... \$9.95  
**AC-10.** As above, holds 10 cassettes with shoulder strap, doubles as a belt. .... \$6.95

**CD Cases**  
**CD-60.** Holds 60 CD's with adjustable shoulder strap that doubles as handle. Nylon fabric, room for 8 double CD's, available in gray, black ..... \$31.95  
**CD-30.** As above, holds 30 CD's with room for 4 double CD's. .... \$17.95  
**CD-10.** Holds 10 CD's. Nylon fabric, available in red, gray, navy, black. .... \$9.95

**Trays**  
**CDT-30.** Has 30-CD tray for standing or wall mount ..... \$6.95  
**CT-30.** As above, has 30-cassette tray. . \$4.95

## CREATIVE WOODWORKING

**Model 115 Barrister Case**  
Has framed glass door; holds 43 CD's or 26 audio tapes; price depends on type of wood: oak, walnut, and teak. 21 x 7 x 10 in. \$149-199

**Model 120 Rolltop Storage Unit**  
Rolltop cover; holds 43 CD's, 26 audio tapes, or 10 videotapes; solid oak. 24 x 4 x 5 in. .... \$89

**Model 140 Stacking Shelf**  
Holds 51 CD's, 31 audio tapes, or 20 videotapes; price depends on type of wood: oak and walnut. 24 x 4 x 5 in ..... \$35-43

**Model 170 CD/Combo Rack**  
Stores compact discs at an angle; racks are stackable (adhesive strip is supplied); holds 56 CD's, 34 audiotapes, or 20 videotapes; solid oak. 24½ x 9½ x 6½ in ..... \$25

**Model 160 DiscFlipper**  
Holds ten compact discs; price depends on type of wood: oak, walnut, teak finish ..... \$12-17

**Model 150 DiscHolder**  
Holds 1 CD; price depends on type of wood: oak, walnut, teak. 6 x 1 x 3 in ..... \$5-8



# ACCESSORIES

## Multimedia Display Cabinets

Prices depend on type of wood selected.

### Model 131

Shelves can be adjusted up or down in 1/2-in increments; adjustable bookends; holds 300 CD's, 186 audiotapes, or 80 videotapes; oak, walnut, teak, or cherry. 23 1/2 x 39 1/2 x 7 1/2 in . . . . . \$229-\$289

Model 131UF. Sanded/unfinished version of model 131 in oak . . . . . \$219

SGD31. Smoked-glass doors for Model 131 \$69

CGD31. Clear-glass doors for Model 131 . . \$59

### Model 130

Like Model 131 in appearance, but smaller; holds 250 CD's, 155 audiotapes, or 60 videotapes; walnut, teak, or cherry. 23 1/2 x 35 x 7 1/2 in . . . . . \$209-\$269

### Model 135

Half-height of Model 131; holds 150 CD's, 93 audiotapes, or 40 videotapes; oak, walnut, teak, or cherry. 23 1/2 x 20 x 7 1/2 in . . \$129-\$169

Model 135 UF. Sanded/unfinished version of model 135 in oak . . . . . \$119

SGD35. Smoked-glass doors for Model 135 \$39

CGD35. Clear-glass doors for Model 135 . . \$29

## CROWN INTERNATIONAL

### Plug-In Panel Accessories

The following list is a representative sampling. Several optional modules are available.

### PIP-XOV Crossover

Mono crossover/filter features multiple formats such as biamping, triamping with 12 dB or 18 dB/octave high/low-pass filters . . . . . \$95

### PIP-CLP Overload Detector

Features two female XLR-type connectors; compressor range 13 dB nominal; input imp 20k ohms balanced; FR 20-20,000 Hz ± 0.2 dB . \$75

### PIP-FXT Transormer

Balanced-to-balanced transformer with isolated input from source to amplifier. Features plug-in panel with female XLR's and 1:1 transformers; center taps of transformers oriented to accommodate jumpers; one low-pass and one high-pass filter. 6 1/8 x 1 1/8 x 3 1/8 in; 8 1/2 oz . . \$65

### PIP-FMX Bridging Module

Plug-in panel with female-to-male XLR balanced connectors. Features one low-pass and one high-pass filter. 6 1/8 x 1 1/8 x 3 1/8 in; 8 1/2 oz . . \$25

## CUSTOM WOODWORK & DESIGN

### Woodmore Series

All CWD Woodmore cabinets are handcrafted of select hardwood solids and veneers. Available in natural oak, dark oak, natural American walnut, black oak, pewter (gray), almond, white and ebony (black) with matching high-capacity, fully adjustable shelves. All CWD Woodmore cabinets are modular in design. Prices vary based on finish.

### Magic Lowboy Audio Cabinet

Concealed audio cabinet rises to user height with remote control. Stores audio equipment in totally enclosed cabinet . . . . . \$2,700-\$3,300

### Woodmore Glass-Lid Audio

Includes 2 adjustable shelves, hinged lid, and casters. 42 x 24 x 19 in . . . . . \$460-\$690

### Woodmore Lowboy Audio Cabinet

Includes 4 adjustable shelves and casters. 30 x 47 1/4 x 19 in . . . . . \$420-\$640

### Woodmore Record Cabinet

Includes 4 adjustable shelves, wood veneer/solid back, and stacking accessory. 42 x 47 1/4 x 19 in . . . . . \$390-\$650

### Woodmore Audio Cabinet

Includes 1 adjustable shelf and casters. 21 x 24 x 19 in . . . . . \$210-\$350

### Software Cabinet

Includes a matching stacking/base rail and five fully adjustable shelves to accommodate 342 CD's, 84 videotapes, or 198 audiocassettes. Optional wood or glass doors available. 42 x 24 x 9 in . . . . . \$230-\$350

### Woodmore Audio Cabinet

Includes 2 adjustable shelves and casters. 30 x 24 x 19 in . . . . . \$260-\$430

### Woodmore Audio Cabinet

Includes 3 adjustable shelves and casters. 42 x 24 x 19 in . . . . . \$330-\$550

### Woodmore Smallboy Audio Cabinet

Includes 2 adjustable shelves and casters. 21 x 47 1/4 x 19 in . . . . . \$320-\$510

### Woodmore Entertainment Table

Finished on all four sides, includes wood base. 16 x 47 1/4 x 19 in . . . . . \$320-\$510

### Woodmore Doors

Roll Wood Doors. Made of wood-veneered, razor-sliced slats, on precision-engineered wood track. Glides down over cabinet front to conceal components. . . . . \$190-\$240

Wood Doors. Solid wood with contoured handles and fully adjustable European hinges. . . . . \$102-\$208

Glass Doors. Bronze tempered glass doors are available with chrome, black, or gold hardware. . . . . \$40-\$140

### Storage Drawers

Large Drawer. Holds open-reel tapes or file folders. Includes removable hanging file folder rails. Height is 11 1/4 in . . . . . \$124-\$176

Medium Drawer. Holds up to 120 DAT's, 36 VHS or Beta tapes. Height is 7 1/8 in . . \$116-\$162

Small Drawer. Holds up to 108 DAT's, 90 cassettes. Height is 4 1/4 in . . . . . \$114-\$136

Tiny Drawer. Holds up to 108 DAT's. Height is 3 1/2 in . . . . . \$110-\$134

Storage Rails. Self-adhesive rails for storage of audiocassettes, videocassettes, or compact discs . . . . . \$3.80/pr

### Accessories

Rack-Mount Kit. Includes wood rails, metal channels, and hardware to mount five components . . . . . \$104-\$118

Speaker Stands. Rigid stands available in 9-in, 15-in, and 30-in to accommodate wide range of speaker sizes. Includes stick-on wire ties to route speaker cables out of sight, rubber feet for hard-floor applications and nonslip pads for under speakers . . . . . \$94-\$134

Drop-Leaf Door. Wood door drops down for use as serving counter or work space. For use with 21-in Woodmore or on one side of Woodmore Smallboy . . . . . \$70-\$92

Slim Cabinet Lights. 1/2-in tall incandescent strip light. Comes complete with matching valance rail, cord switch, and removable plug. \$48-\$56

Wood-Veneer Backs. Matching oak and walnut-veneer backs, for use when cabinet interior is to

be highlighted. Available with cut-outs on a custom basis . . . . . \$42-\$72

Wood Bases. Matching solid hardwood 1 1/4 x 3/4-in base easily attaches to bottom of any cabinet . . . . . \$38-\$58

Stacking Accessories. Matching solid 3/4 x 3/4-in rail easily attaches to the bottom of any cabinet to be stacked . . . . . \$28-\$40

Solid Backs. For use with black-oak, gloss-black cabinets when back with no (or custom) cut-outs desired . . . . . \$28-\$36

### Fineline Stacking Kit

Includes 12 leveling feet, associated hardware, and rubber bumpers to protect cabinet tops when stacked. Hardware is included to stack 6 modules . . . . . \$28

Shelf. Additional adjustable audio-width shelf with hardware . . . . . \$26

Strip Light. A functional strip of light utilizing "grain of wheat" bulbs. Press-on attachment. Includes switch . . . . . \$24

### Grouping Bases

Entertainment Grouping Bases. Designed to group two or three 24-in wide cabinets next to one another. Other cabinets may be stacked on top . . . . . \$148-\$168

Entertainment-Center Bases. Designed to group one or two 24-in wide cabinets on either side of 30 1/2-in wide cabinet. Other cabinets may be stacked on top . . . . . \$148-\$168

Hardwood Bases. 1 1/4 x 3/4-in solid-hardwood bases will level and support up to eleven Woodmore cabinets. Gives individual cabinets appearance and stability of one-piece wall unit . . . . . \$116-\$136

### Outlet Strips

Remote Switched Eight-Outlet Strip. Filtered and spike-protected outlet strip provides four sets of isolated outlet banks, with two outlets on each bank. Peak capacity of 13,000 amps; rated current and load handling of 15 amps maximum. Includes lighted remote switch with 6 foot cable, stick-on wire ties, and mounting hardware for switch and outlet strip . . . . . \$160

Duplex Outlet Box. Similar to above, but with two unswitched outlets for "always on" applications. Mounts to existing wall outlet. LED indicators for power on and protection-circuit operation. Rated current and load handling of 15 amps maximum. High-frequency noise suppression >30 dB from 5 MHz to 100 MHz . . . . . \$70

### Fineline Series

Fineline furniture systems are available in medium oak "Protec" and satin-black oak.

Audio + Video System. Includes one fixed and one adjustable video shelf, one fixed and two adjustable audio shelves, record dividers, storage drawer, glass door, and slide-out tray. 42 1/4 x 49 1/4 x 21 in . . . . . \$538

Audio + Audio Module. Includes 2 adjustable shelves, record dividers, glass doors, and concealed casters. 21 1/4 x 20 1/2 x 21 in . . . . . \$328

Tall Audio Module. Includes 1 fixed shelf, 2 adjustable shelves, record dividers, glass door, and concealed casters. 42 1/4 x 20 1/2 x 21 in \$300

Short Audio Module. Includes 1 adjustable shelf, wood door, record dividers, and concealed casters. 21 1/4 x 20 1/2 x 21 in . . . . . \$224

Software Cabinet. Includes an integral stacking base and five fully adjustable shelves. Cabinet

# ACCESSORIES

can accommodate 282 compact discs, 68 videotapes, or 168 audio cassettes. Dimensions: 4 1/4 x 20 1/2 x 7 in ..... \$159

## DAY SEQUERRA

**Day Sequerra FM Urban Antenna.** Half-wave-length, shunt-fed design; said to reduce RF noise and multipath distortion ..... \$285

## DB SYSTEMS

### DBP-12X Audio Cable

10-meter length of low-capacitance (400 pF) interconnect cable; gold plugs ..... \$95  
1-meter length ..... \$49

### Gold-Plated Connectors

**DBP-13JR.** 3/8-in gold-plated phono jacks (8 pk) ..... \$29.95  
**DBP-13PM.** Gold-plated phono plugs, 4 red, 4 black ..... \$29.95  
**DBP-9AU.** Banana plugs, 8 gold-plated, solderless ..... \$24.50  
**DBP-13PX.** Phono plugs (2 pk) ..... \$19.95  
**DBP-13P.** Phono plugs (8 pk) ..... \$17.95  
**DBP-9P.** Dual banana plugs (2 pk) ..... \$17.95  
**DBP-9J.** Dual banana jacks (2 pk) ..... \$17.95  
**DBP-13J.** 1/4-in gold-plated phono jacks (8 pk) ..... \$15.95  
**DBP-15.** Y-Adaptors (2 pk) ..... \$12.95  
**DBP-16.** 12-dB input attenuator ..... \$12.95  
**DBP-17.** Phono coupler (2 pk) ..... \$12.95  
**DBP-14.** Spade lugs (8 pk) ..... \$5.95  
**DBP-9H.** Banana handles, 4 red, 4 black ..... \$3.50

### DBP-10 Phono Alignment Protractor

Measures lateral tracking error of phono cartridges to within 0.25 degrees; with case \$29.95

### DBP-CK Cramolin Audio Kit

Dissolves corrosion and prevents oxide formation on connectors ..... \$19.95

### DBP-VSP Voltage-Spike Protector

Plug-in power-line adaptor limits voltage surges ..... \$14.95

### DBP-SC Souther Clever Clamp

Lightweight, clear record clamp, 23 g .... \$15

## dbx

### Model 400XG Remote Selector

Rack-mountable powered switching box has inputs and outputs for 3 sound processors, 1 noise-reduction unit, 3 tape decks. Dubbing can be interrupted by sound processors and/or encode-side of noise-reduction unit. Illuminated push buttons show program route ..... \$299

## DENON

### RC-615 Room-to-Room Remote Control Kit

Enables any infrared remote-controlled audio or video equipment to be operated remotely. Basic system includes the RC-616 retransmitter/power supply, RC-617S stand-alone sensor, and RC-618 subtransmitter with 100 feet of cable. Other pieces optional ..... \$200  
**RC-617W.** Wall-mount sensor ..... \$40  
**RC-617S.** Stand-alone sensor ..... \$45  
**RC-618.** Subtransmitter ..... \$20

### RC-605 Programmable Remote Control

130 programmable keys; stores signals of other remote controls ..... \$120

## DENNESEN ELECTROSTATICS

### Sound Tracer

Phono-cartridge alignment protractor; gives

distance and offset angle of stylus ..... \$110  
**Pivotram.** Locates proper spot for tonearm mounting. Made of aircraft aluminum, 1 lb \$100  
**Polaris FM Antenna.** Passive indoor FM antenna. Includes coaxial cable, 18 x 2 x 2 in; 1 lb \$40

## DESIGNTECH

### Soundwedge

Automatically lowers stereo's volume when phone rings; runs on 9 V-battery ..... \$30

## DISCRETE TECHNOLOGY

### Diamond Reference Speaker Cable

Uses 8 individual cables made of both multi-gauge and multi-stranded silver-plated OFC conductors per run; Teflon insulation; with oxygen-free spade lug, 6-12 ft ..... \$1,000-\$1,750

### Platinum-Plus Speaker Cable

Uses 7 individual cables for each speaker; features spiral twist; protective braided tubing; silver-plated OFC conductors; assembled by hand; minimum of 30 amperes DC current handling capacity, 6-12 ft ..... \$650-\$1,010

### Dreadnaught Speaker Cable

Made with pure silver-plated, oxygen-free copper wire. Each cable consists of two cables with total of 20 multigauge individually insulated solid conductors, 6-12 ft ..... \$321-\$524

### Diamond Interconnect Cable

Made with 4 multi-stranded OFC conductors per tube and 2 Teflon tubes per cable with external pure-silver shield wire, 0.5 m-10 m ..... \$270-\$840

### Power Bridge AC Line Cable

Filters broad-band RF from being fed back into the AC lines and then into other components. 20 silver-plated oxygen-free conductors; PVC jacket; 2-prong male plug, 6-20 ft .. \$170-\$400

### 312C Speaker Cable

Phase-aligned multigauge speaker cable. Features silver-plated copper inner conductor; Teflon insulation; spiral twist, 6-25 ft .. \$150-\$387

### Platinum Interconnect Cable

Made with pure-silver, multi-stranded, braided shield and pure silver-plated OFC inner conductors.

RCA 0.5 m-10 m ..... \$135-\$420  
XLR 0.5 m-10 m ..... \$458

### Satin Interconnect Cable

Made with oxygen-free copper wire and features Teflon insulation.

RCA 0.5m-10 m ..... \$68-\$209  
XLR 0.5m-10 m ..... \$103-\$245

### CI. 2P Interconnect Cable

Made with oxygen-free copper wire and features Teflon insulation.

0.5m-10m ..... \$36.25-\$107

### The Lug Speaker Connector

High-performance lug for use with speaker cables. Features oxygen-free long-molecular copper plate with conductivity-enhancing alloy; 35° angle; color coding ..... \$7

## DISCWASHER

### DiscKit Record Care System

Contains D4+ record-care system, Zerostat antistatic instrument, SC-2 stylus-care system housed in DiscOrganizer ..... \$60

### Zerostat-3

Antistatic instrument neutralizes static charges on virtually any surface; works by showering

surface with millions of positive and negative ions ..... \$30

### CDL<sup>2</sup> CD Laser-Lens Cleaner

Safely removes contaminants from CD player's laser lens with wet/dry cleaning action. Includes 10 ml. CDL<sup>2</sup> cleaning solution, cleaning discs, and one replacement pad ..... \$28

**Discwasher CDL<sup>2</sup> CD Laser-Lens Cleaner Refill**  
Three replacement wet/dry cleaning pads and 10 ml. CDL<sup>2</sup> cleaning solution in blister package ..... \$4.99

### Discset

Essentials of record and stylus care; includes D4+ record-care system, SC-2 stylus-care system in milled walnut base ..... \$25

### Discwasher Compact Disc Cleaner

CD cleaning unit, CD-1 cleaning fluid, cleaning-pad grooming brush, and replacement cleaning pad, 14 oz ..... \$19.95  
CD-1, 6-oz. fluid refill ..... \$10.95

### Compact Disc Cleaner Refill Kit

Two self-adhesive replacement pads and 1-ounce refill of CD-1 fluid ..... \$6.95

### CD Storage System

Lightweight, durable unit stores up to 20 CD's in jewel boxes. Can be wall mounted, 6 x 2 x 1 1/4-in ..... \$19.95

### D4+ Record-Care System

Remove contaminants without reducing record fidelity. Consists of D4+ fluid that lifts, suspends contaminants; soft-fiber pad with hand-milled walnut handle to remove debris and dry record; DC-1 pad-cleaner brush ..... \$16.50  
16-oz replacement fluid ..... \$16.95  
6-oz replacement fluid ..... \$9.95  
1.25-oz replacement fluid ..... \$2.50

### Discwasher CD-2 Polish and Scratch Remover

Removes minor scratches and blemishes from CD surface. Includes 1 oz. CD-1 fluid, 1 oz. CD-2 polish, 6 applicator swabs, and 4 polishing wipes in blister pack ..... \$12.95

### CD Storage Unit

Holds 10 CD's ..... \$12.95  
Holds 5 CD's ..... \$8.95

### SC-2 Stylus-Cleaner System

Includes scientifically safe cleaning fluid, precision nylon-fiber brush designed to safely remove stylus contamination. Brush has stylus-inspection magnifying mirror ..... \$8.50  
SC-2 refill fluid ..... \$2.50

### D'Stat II Mat

Turntable mat reduces static charges on contact; provides cushion to reduce sonic, mechanical feedback between record and turntable platter ..... \$8.50

### CD Replacement Jewel Boxes, 2-pack ... \$3.99

### V.R.P. Record Sleeves

Scratch-free record liner sleeves that prevent static-charge buildup during record storage and removal from sleeve. Super-smooth surface will not ooze plastic additives onto record; 10-pack ..... \$3.50

### Cables

#### Gold-Ens Speaker Cables

30-ft speaker cable with oxygen-free copper.

Abbreviations used within this buyers' guide are explained on pages 239-245.

# ACCESSORIES

Features clear, PVC-jacket; polarized and color-coded connector ends. 14 gauge ..... \$29.95  
16 gauge ..... \$18.95

## Gold-Ens A/V Cables

Provides ultra-low capacitance with heavy gold-plated connectors and molded nylon insulating sleeves.

2-meter triple strand ..... \$23.95  
1-meter triple strand ..... \$21.95  
5-meter double strand ..... \$19.95  
4-meter double strand ..... \$17.95  
3-meter double strand ..... \$16.95  
2-meter double strand ..... \$15.95  
1-meter double strand ..... \$13.95  
0.5-meter double strand ..... \$12.95

## Gold-Ens Interconnect Cable

Double-strand RCA-style cable with gold-plated ends and pure-copper conductors. Available in both 2- and 3-strand sets from 0.5 m to 5 m ..... \$12.95-\$23.95

## Tape-Deck Accessories

### Discwasher DAT Cleaning Cassette

Safely removes tape oxides and contaminants from delicate DAT tape deck components and tape path. Includes custom storage case \$29.95

### D'Mag Cassette Deck Demagnetizer

Demagnetizes tape heads, capstans, and entire tape path. Requires no batteries or power cords ..... \$19.95

### Discwasher Tape-Deck Care Set

Includes Perfect Path cassette head cleaner and C.P.R. capstan pinch roller cleaner ... \$12.95

### System II Cassette-Care Kit

Nonabrasive dry-fiber matrix tape safely removes dust and oxide buildup on heads and along entire tape path. Capstan, pinch-roller cleaner with an advancable fiber-grid surface and specially formulated fluid removes tackiness and contamination. With carrying case. 4 x 2½ x 0½ in ..... \$11.95  
System II. As above w/o carrying case . \$11.95

### C.P.R. Capstan/Pinch-Roller Cleaner

Cleaning system for cassette decks designed to safely scrub pinch rollers, capstans with cleaning fabric and harmless fluid ..... \$8.95  
C.P.R. fluid refill ..... \$1.95

### Perfect Path Cassette Head Cleaner

Nonabrasive-dry cleaning system for cassette decks. Designed to remove oxides and gummy residue; cleans along tape path and on tape heads ..... \$5.95

## DYNASOUND ORGANIZER

**45000 Storage System.** Holds forty-five compact discs, twelve videotapes, or thirty audio cassettes. Satin gloss finish. 19¾ x 17¾ x 13¾ in. 20.8 lb ..... \$34.99

### 45100 CD Browser

Storage tray holds 30 compact discs. Constructed of high-impact plastic resin with gloss finish ..... \$12.99

Carry Cases ..... \$6.99-\$19.99

## ELECTRONIC SPECIALISTS

### ISO-17 Power Isolator

Spike and surge suppression, background power-line-NR. Four isolated channels, each channel handles 1,000 watt load. 5-yr warranty ..... \$291.95  
ISO-18. As above, two isolated channels . \$238

## ESOTERIC AUDIO

### Speaker Connectors

#### T-Lok Speaker Connectors

Does not require crimping tools; 24k gold plating; color band polarity identification. Available in single-banana or dual-banana construction ..... \$22/pr

#### Inter-Lok Speaker Connectors

Does not require crimping tools; 24k gold plating; interchangeable tip for banana, and bi-pin design. For 11-15 gauge wire, 4 pk .. \$25 pack  
**Inter-Lok XL.** As above, for 5-8 gauge wire, 4 pack ..... \$32

### Ultra-Cable Series Speaker Cables

#### Premier

Expanded twin symmetry 5-wire network, 1,200 strands, oxygen-free-copper ..... \$2/ft

#### Signature

Expanded twin symmetry 5-wire network, 600 strands oxygen-free-copper ..... \$1.10/ft

#### Reference

Standard twin symmetry 5-wire network, 520 strands pure-grade copper ..... \$.85/ft

### Interconnect Cable

#### Technology 3

Oxygen-free-copper windings, with Teflon, free-air, and air-cellular polypropylene dielectrics. 24-karat, gold-plated locking RCA connectors ..... \$100/1m pr

#### Technology 2

250-strand enamel-litz center conductor. Oxygen-free-copper windings, 5-wire network. Teflon, free-air, and air-cellular polypropylene dielectrics. 24-karat, gold-plated locking RCA connectors ..... \$100/1m pr

#### Ultra-Path 2 + 2

8 gauge with 1,200 strands oxygen-free-copper in polyethylene ..... \$4/1m pr

## EUPHONIC TECHNOLOGY

### AP-4 Power-Line Filter

Patented, four-channel isolating power-line filter and surge/spike suppressor for audio components. Features four independent channels of AC power; each filtered output channel attenuates RFI and EMI by 70 dB; surge/spike suppression circuitry has better than 1 picosecond response time; peak spike current 39,000 surge amps; energy dissipation 413 surge joules for 20 µsec, 280 surge joules for 1 millisecond; handles up to 1,875 W (1,550 W/ch max); constructed of heavy gauge steel. Black finish. 17 x 3½ x 10 in; 10 lb ..... \$549

## EXPRESSIVE TECHNOLOGIES

### IC-1 Interconnect Cable

Balanced component interconnect featuring cable grounding system; 2-ft pr ..... \$345  
Additional ft ..... \$70

## GENEVA

*The manufacturer offers a complete line of system-maintenance accessories, storage units, and cables ..... \$2-\$112*

## GOLDSTAND

*All Goldstand speaker stands come in satin black-lacquer finish, and include de-coupling*

*pads which sit between the bottom of speaker and top of the stand. Available in single- and multiple-pedestal format ..... \$25/pr-\$175/pr*

## GUSDORF

### Model 5945 Audio Cabinet

Features oak moisture/scratch-resistant finish; lift-up top; 3 shelves; push-to-open tempered glass doors. 43½ x 19 x 15¾ in ..... \$230

### Model 4440 Formula Speaker Enclosures

Speaker enclosures featuring dark-oak finish and adjustable shelf to accommodate speakers up to 39 x 19¾ x 21¼ in. Matches Model 4450 entertainment center ..... \$210/pr

**Model 5900.** Similar to above except in light oak with solid-wood trim; matches Model 5950 entertainment center and 5945 audio rack. Holds speakers up to 38½ x 21¼ x 14 in ..... \$240/pr

**Model 6600.** Similar to Model 5900; matches Model 6550 entertainment center. Holds speakers up to 38 x 19¾ x 14 in ..... \$180/pr

### Model 4572 Audio Cabinet

Ready-to-assemble cabinet; tempered glass doors with magnetic catches; lift-up top for turntable; hooded dual-wheel casters; 2 adjustable upper shelves, 1 fixed lower shelf; removable record dividers. Oak finish. 15¾ x 18¾ x 37¾ in ..... \$108

### Model 3370 Audio Cabinet

Ready-to-assemble cabinet featuring chrome trim; tempered safety-glass doors with magnetic catches; lift-up top for turntable; concealed casters; two adjustable shelves. Tools, hardware, and instructions included. Black finish. 39 x 19 x 18 in ..... \$159

**Model 3375.** Similar to above, except in oak finish ..... \$149

### Model 6503 Storage Cabinet

Ready-to-assemble cabinet; magnetically secured plank doors with key lock; shelves angled to keep tapes secure; holds up to 200 videotapes or 300 audio cassettes and 500 CD's. 14¾ x 25 x 46½ in ..... \$180

## HEYBROOK BY D'ASCANIO AUDIO

### TPS Power Supply

Two-way electronic speed switcher with voltage line stabilizer and filter. For use with Heybrook turntable or others using synchronous motors. 2 x 4½ x 9 in; 4 lb ..... \$249

### HBS-3 Speaker Stand

For stable, rigid support. 4 adjustable pointed spike feet on top and bottom. 13¾ x 10 x 11¾ in; 18 lb ..... \$139/pr

**HBS-1.** Similar to HBS-3, 18-in tall ..... \$179/pr

**HBS-P5.** 20-in speaker stand ..... \$129/pr

### WB-2 Wall-Mount Speaker Stand

Features facilities for bolts; black finish; 9 x 9-in mounting area for speaker; 9 x 8-in wall-mounting area ..... \$100

### P-35 Speaker Stand

For stable, rigid support. 3 legs with adjustable spikes top and bottom. 18-in height ..... \$99/pr

## HILL PRODUCTS

*Various storage units ..... \$20-\$79*

## HI-PRO-TECH

### Identadisc H.D. CD Protector

System for impressing identifying marks on CD's. Features warning labels for CD boxes.

# ACCESSORIES

car windows, and CD players; registration in national reporting system ..... \$90  
**Identadisc.** As above, for small collections \$50

## INOUE ENTERPRISES BY ARTECH ELECTRONICS

### Synergistic Power Supply

Features on/off switch; high-current power cord; 1,800-W capacity; external resettable circuit breaker; user-replaceable transient-protection fuse; nonaluminum chassis with baked epoxy finish; double-sided, mil spec., glass epoxy circuit board; low insertion loss; low output impedance; reduces normal and common-mode noise; instantaneous response to high voltage and high-energy transients. Visual indication of transient protection circuitry status. 5-yr warranty ..... \$750

## JASCO

**HE + One Control VIII Universal Remote.** Controls 8 devices. Upgradable ..... \$128  
**HE + One Control IV Universal Remote.** Controls 4 devices ..... \$77  
**HE + FM Booster.** Reduces multipath distortion, amplifies weak FM signals. Omnidirectional or directional ..... \$50  
**HE + Roll-Top Drawer Storage Units.** Oak veneer and black finishes. Available in 36 and 72 count ..... \$13.49-40  
**HE + Compact Disc Storage Racks.** 30- or 60-count capacity. Woodgrain or black finishes \$25  
**HE + Total Audio Maintenance System.** Features antistatic carbon fiber record brush; stylus cleaning fluid with brush; wet audio cleaning cassette; tape-head cleaning fluid ..... \$22  
**HE + Audio Cassette Racks.** Wood-grain finish; 36 and 72 count ..... \$13.99-22  
**HE + Drawer Storage Units.** Stackable audio storage cabinet in 36 or 42 count. Oak-veneer finish ..... \$12.99-13.49  
**HE + Audio Storage Cabinets.** Stackable front-drawer cabinet hold up to 36 cassettes. Oak-veneer or black finishes ..... \$10.49  
**HE + CD Flip File.** CD storage system features oak construction, adhesive pads. Hold up to 32 CD's ..... \$8.99

## JVC

### RMS1 Programmable Remote Control

Able to learn commands for 11 components. Features touch-sensitive LCD panel; programmable menus ..... \$250

## KENWOOD

### RC-100 Programmable Remote Control

Universal wireless remote with control keys for Kenwood components. Learns commands from other manufacturer's remote controls; 58 programmable keys ..... \$79

**LB-4.** Rechargeable battery for portable CD players ..... \$25

**NB-3.** Rechargeable battery for portable CD players ..... \$20

## KIMBER KABLE

**Interconnects** ..... \$68/pr-\$650/pr

**Speaker Cable** ..... \$1/ft-\$180/ft

## KINETIC AUDIO

### Cabinets

Furniture-styled equipment/record/tape cabinets. Stackable with adjustable-height shelves or rack rails; walnut-veneer over particleboard side panels.

**EC-XL.** 48 x 21 x 18 in. Features Plexiglas door and black dual-wheel casters ..... \$500  
**EC-L.** 48 x 21 x 18 in ..... \$300  
**EC-M.** 38 x 21 x 14 in ..... \$200  
**EC-S.** 24 x 21 x 14 in ..... \$150

### Speaker Stands

Straight or tilted speaker stands feature dual-angle up/down adjustability and black-satin finish.

**S-L.** Large ..... \$250/pr  
**S-M.** Medium ..... \$200/pr  
**S-S.** Small ..... \$175/pr

### Stereo Amplifier/Line-Level Control

For bi- and multiamp applications; 10,000-25,000-50,000 ohm imp. Features phono jacks; connectors; mounting hardware ..... \$150

### Stereo Amplifier/Speaker Selector

Switches 2 stereo amplifiers into single pair of speakers or 2 pairs of speakers from single stereo amplifier ..... \$150

## KOETSU

All cable can be made to custom lengths.

### SF-10 Interconnect Cable

Shielded, 2-conductor cable with male RCA phono plugs. 0.3m-1.5m/pr ..... \$200-\$450

### SF-20 Interconnect Cable

Shielded, single-conductor cable with male RCA phono plugs. 0.3m-1.5m/pr ..... \$188-\$350  
**Speaker Cable** ..... \$17/ft-\$87/ft

## LASERLINE BY CREATIVE POINT

**CD Storage Units** ..... \$9.95-\$60  
**Cassette Storage Units** ..... \$20-\$40

## THE LAST FACTORY

**SC012.** Full-size bottles of SF100 and SF200 in combination kit ..... \$39.95  
**SC023.** Full-size bottles of SF200 and SF300 in combination kit ..... \$34.95  
**SF010 #10.** Tape preservative ..... \$29.95  
**SL123.** Trial size of SF100, SF200, SF300 in combination kit ..... \$24.95  
**SF900 #9.** Interlat tape-head treatment ..... \$24.95  
**SF200 #2.** Record preservative ..... \$23.95  
**SF100 #1.** Extra-strength record cleaner ..... \$21.95  
**SF500 #5.** Stulast stylus treatment ..... \$19.95  
**SF300 #3.** All-purpose record cleaner ..... \$15.95  
**SF400 #4.** Stylus cleaner ..... \$13.95

## LEBO

### Voyager Carry Cases

Voyager-series nylon carry cases are water resistant and suitable for a variety of personal accessories. Features include zippered openings; padded construction; adjustable straps. Various colors are available ..... \$7.95-\$36

### Storage Cabinets

#### Model 58120 Oak Storage Unit

Oak storage unit for 120 regular CD's or 60 twin CD's. Features horizontal viewing for easy selection. Solid oak with hand-rubbed finish. \$67

#### Model 58860 Oak Storage Cabinet

Oak roll-top cabinet for 60 CD's. Features solid-oak and oak-veneer with hand-rubbed finish ..... \$67

#### Model 58900 Oak Storage Cabinet

Oak roll-top cabinet holds 51 audio cassettes. Features solid-oak and oak-veneer with hand-rubbed finish ..... \$56

### Model 58090 Oak Storage Unit

Holds 90 regular CD's or 45 twin CD's. Solid-oak with hand-rubbed finish ..... \$56  
**Model 58060.** As above, oak storage unit for 60 CD's or 30 twin CD's ..... \$45

### Model 58290 Oak Storage Unit

Oak storage unit holds 90 audiocassettes. Solid-oak with hand-rubbed finish ..... \$45

## LESLIE DAME

### CD Storage Units

#### CD-576KD Storage Unit

Solid-oak combination CD and audiocassette, videocassette storage unit. Holds 576 CD's or 345 audiocassettes in any combination, 56 videocassettes on 2 top tiers ..... \$179.95  
**CD-260KD.** As above but with 260 CD's or 160 audiocassettes in any combination. Holds 20 videocassettes on top tier ..... \$80  
**CD-260KDB.** As above, in black ..... \$79.95  
**CDV-80KD.** As above, but with 80 video cassettes, 212 CD's, or 128 audiocassettes in any combination. No top tiers ..... \$79.95  
**CD-150KD.** As above, 159 CD's or 96 audiocassettes, 20 videocassettes on top ..... \$49.95  
**CD-100A.** As above but with 106 CD's or 64 audiocassettes ..... \$39.95

**23096 CD Storage Rack.** Oak-grain-finish CD rack holds up to 96 CD's. Stackable ..... \$50

**23860.** As above, with solid-teak unit with tambour door, holds 60 CD's ..... \$50

**CD-232 CD Storage Unit.** Deluxe solid-oak wood, handcrafted finish, stackable, lazy-Susan construction. Turns completely around. Holds 32 CD's ..... \$42

**CD-236 CD Storage Unit.** Deluxe handcrafted solid-oak, stackable to 72 pieces, holds 36 CD's ..... \$40

**CD-48 CD Storage Unit.** Solid-hardwood construction CD storage unit. Holds 48 CD's. Stained and lacquered finish ..... \$37

**23064 CD Storage Rack.** Oak-grain finish rack holds up to 64 single CD's or 32 twin box CD's. Stackable ..... \$37

**23760 CD Storage Rack.** Solid-teak rack holds up to 60 CD's ..... \$34

**CD-20 Deluxe CD Case.** CD carrying case holds 20 CD's ..... \$28

**23836 CD Storage Unit.** Solid-teak unit with roll top; holds 36 CD's ..... \$28

**CD-24 CD Storage Unit.** CD storage unit of solid-hardwood construction. Handcrafted, stained, and lacquer walnut finish. Holds 24 CD's vertically ..... \$25

**CD-60 CD Storage Unit.** 3-drawer deluxe walnut woodgrain finished cabinet holds 60 CD's ..... \$25

**CD-48E CD Storage Unit.** Plywood construction. Holds 48 CD's vertically ..... \$22

**CD-40 CD Storage Unit.** 2-drawer, deluxe walnut-woodgrain finished cabinet holds 40 CD's ..... \$17.95

**CD-24E CD Storage Unit.** Vertical unit; plywood construction. Holds 24 CD's ..... \$12.95

**CD-10 CD Storage Unit.** Holds 10 CD's; 4 sides interlocking design; wall/shelf mounting or free standing ..... \$3.95

**CD-12 CD Storage Unit.** Dual unit holds 12 CD's or 6 doubles; 4-sided interlocking plastic modular design; wall/shelf mounting or free standing ..... \$3.95

**Cassette Storage Units** ..... \$12.95-40

**Cleaners**

**CD-211.** CD cleaner ..... \$9.95

**TA-79.** For head and capstan. Wet/dry ..... \$5.95

**TA-39.** Audio head and capstan cleaner. \$4.95

# ACCESSORIES

## MADISON FIELDING

The following components are designed for multiroom A/V systems.

### MC 1000 Multiroom Controller

Can connect up to 12 rooms/areas; up to 8 amplifiers, 2 FM tuners, 2 CD players, 2 tape decks, 1 phono, 3 video (one main-two local). 19 x 3½ x 14¼ in. Includes AS 1000 audio selector with digital remote control. 11¼ x 3 x 11¼ in.

12 rooms	\$5,190
8 rooms	\$3,990
6 rooms	\$3,600
4 rooms	\$3,200

### TT7 Table-Top Control

For use with MC 1000. Features 7 inputs; 31 commands. Includes a lacquer custom box. 3 x ¾ x 5 in. \$500  
 TT4. As above but with 4 inputs and 28 commands \$450

### WP7 Wall Plate Control

For use with MC 1000. Features 7 input wall plate; 31 commands. 6¼ x 4½ in. \$470  
 WP4. As above but with 4 inputs and 28 commands \$400

### Cables

#### CL12 Room Control Cable

6 pair 22-gauge; 12-conductor cable. 9 conductors required; 3 spare. \$725/1,000 ft  
 IC9 Interconnect Cable. DIN plugs. 9 foot. \$75  
 IC6. As above, 6 foot. \$65

## M&K

### Satellite Speaker Stand

Stand for M&K satellite speakers. Allows for permanent attachment of satellite to stand. Walnut, oak, black or black oak finish \$135/pr

## MARCHAND

PS11 Power Supply. Dual 40-volt power supply with up to 2 amps of current per output. \$105

PS10 Power Supply. Dual 15-volt power supply with 250 mA of current per output. \$45

## MAXELL

### Demagnetizer

HE-44. Electronic demagnetizer. \$30

### Head Cleaners

R-CL. DAT head cleaner. \$12.99  
 RCT. Dry head cleaner. \$3.59

### Cassette Boxes

P-Case. 3 replacement cassette boxes. \$1.49

## McINTOSH

### Component Cabinets

L 62. Hand-rubbed, polished walnut-veneer cabinet for units with 5½-in high front panel. 16 lb. \$140  
 L 60. Hand-rubbed, walnut-veneer cabinet for compact components. 11 lb. \$119  
 L 52. Walnut-veneer cabinet for units with 5½-in high front panel. 16 lb. \$89  
 L 54. Walnut-veneer cabinet for units with 7½-in high front panel. 17 lb. \$89  
 L 50. Walnut-veneer cabinet for compact components. 11 lb. \$69

## MEMOREX BY MEMTEX

### CP8 Universal Remote Control

Learns functions of eight remote controls. Fea-

tures patented sequencing operation that performs multiple remote commands with one touch; time/day-of-week clock; booster for more powerful signal; back-lit liquid-crystal display panel. \$79

### Electronic Tape-Head Demagnetizer

Battery-powered demagnetizing system. Eliminates residual magnetism from heads in cassette deck. Works in less than 1 sec. \$25

### Auto Lighter DC Power Adaptor

For powering battery-operated radio, tape player, or personal portable through car lighter socket. Features 6 plug types; 5 voltages; 2 polarities. \$15

CD Cleaner. Includes cleaning solution; pad; bristle brush; storage case. \$15

CD Player Dustcover. Vinyl dustcover with clear front panel. Available in medium (14 x 12.5 x 3 in) and large (18 x 14 x 3 in) sizes. \$6

### Graphite Filament Record Cleaner

Cleans and neutralizes static electricity. Uses electrically conductive graphite microbristles that reach into bottom of record grooves. \$6

### FM Dipole Antenna

Features folded dipole design; optimum wavelength for FM radio. \$2

### Tape and Record-Care Products

X-CD. Cassette head cleaner/demagnetizer. \$6.99  
 Record care kit. \$5.99  
 Cassette cleaning Kit. \$2.99  
 Record cleaner. \$2.99  
 Record cleaning fluid. \$2.69  
 Cassette head cleaner. \$1.89

### Headphone Accessories

Infrared Cordless Headphone Adaptor. AC powered transmitter and battery-powered receiver provides cordless reception for headphones with mini-plug jack. \$70

Headphone Extension. 20-ft lightweight stereo extension cable. \$6

Y-Adaptor. Dual-headphone adaptor. \$3

Mono Adaptor. Mono adaptor for stereo headphones. \$2

## MISSION

Cyrus Isoplat. ¼-in MDF isolation platform for CD players and solid-state (Cyrus One and Two) or tube amplifiers. Steel-cup terminated sorbothane feet. Nextel grey finish. \$79 ea

Cyrus Speaker Cable. 0.95-mm solid-core OFC cable; polypropylene and polyurethane insulation. \$3/ft

Mission Speaker Cable. 690-strand OFC cable; polypropylene insulation. \$2/ft

## MIT

### Speaker Cable

#### MH-750 CVT Shotgun Terminators

8-45 ft. \$53,900/pr-\$6,900/pr

#### 750 CVT

8-45 ft. \$2,400/pr-\$5,400/pr

#### MH-750E

8-30 ft. \$795/pr-\$2,465/pr

#### MH-750SG Shotgun Series

8-25 ft. \$965/pr-\$2,105/pr

#### Music Hose

8-30 ft. \$450-\$1,320/pr

WBT banana/WBT banana. \$392

Spade/WBT banana. \$196

Biwire jumpers on speaker cable end. \$140

### PC-Squared PC-18

8-20 ft. \$185-\$390/pr

Bulk. \$8.50/ft

Custom term bananas. \$85/pr

Custom term spades or pins. \$50/pr

Banana term. \$35/pr

### Zapcord

8-20 ft. \$98-\$195/pr

Bulk. \$3.95/ft

Bananas on both ends. \$69

Spades or pins on bananas. \$52

Spades or pins on both ends. \$35

### Interconnect Cable

#### MI-330/MI-500 CVT Shotgun Terminators

1 m-35 ft. \$1,700/pr-\$3,675/pr

#### MI-330SG Shotgun

0.5 m-50 ft. \$460/pr-\$3,730/pr

#### 330SG/500SG CVT

1 m-35 ft. \$1,100/pr-\$3,075/pr

#### Balanced Proline

0.5 m-30 ft. \$310/pr-\$1,590/pr

Custom lengths. \$24/ft

Custom term. \$150/pr

#### MI-330/MI-500 Interconnect Cable

0.5 m-25 ft. \$125/pr-\$730/pr

RCA's. \$30/pr

Custom lengths. \$12.75/ft

Custom term. \$78/pr

#### Zapcord Interconnect Cable

0.5 m-25 ft. \$125/pr-\$180/pr

### PC-Squared PC-2

05. m-2 m. \$70/pr-\$140/pr

Bulk. \$7.75/ft

RCA's. \$10/pr

### Connectors

WBT bananas load & source. \$392

Fischers-amp end MH. \$170/pr

Tonearm box. \$170

RCA to XLR. \$110/pr

CAMAC/CAMAC. \$110/pr

WBA RCA/CAMAC. \$85/pr

WBA RCA. \$62/pr

RCA/CAMAC. \$55/pr

XLR to XLR. \$55/pr

Flex section. \$35/pr

### Finyl Optical Impedance Matching Fluid

Treatment said to enhance playback of CD's. Treats approximately 200 CD's; kit contains dispenser bottle, white paper, support ring, buffing pad, and jewel-case stickers. \$30

Refill kit. \$22

## MITSUBISHI

### M-X254i Programmable Remote Control

Wireless remote can control 8 components. Features LCD panel; preset for Mitsubishi components; can learn commands from other infrared remote controls. \$150

## M.M. NEWMAN

### Heli-Tube Wire Protector/Organizer

Spirally cut, industrial grade, expandable, black polyethylene cable wrap applies like tape to protect/organize wires. ¼-in, ½-in, ¾-in sizes for bundles up to 4-in dia; 8 ft lengths; ½-in. \$2.25

¾-in. \$1.60

¼-in. \$1.45

## MOD SQUAD

Tonearm Junction. Interface for connecting tonearm to phono electronics. \$150

# ACCESSORIES

**Y Connector.** To increase outputs of a component; biamp or tape-dubbing application . . \$35

**Tiptoes Cartridge Coupler** . . . . . \$15

**Cartridge Clip Kit.** Includes beryllium copper cartridge clips and heat shrinks . . . . . \$10

**Soft Shoes.** Component damping feet made from mil-spec material . . . . . \$12

## Tiptoes

*Component platforms made of machined aluminum cones; designed to provide mechanical grounding between component and surface beneath it.*

**Tall Tiptoes.** With special threads or studs \$15

**Tall Tiptoes.** For under speakers, 1½-in . . \$10

**Short Tiptoes.** For under components, ½-in \$6

## MONSTER CABLE

### Tranquility Base 2 Plus

Microvibration audio-component base features double-construction layer damping. For rack-size equipment or large pieces; footers not included. 17 x 1¼ x 23½ in . . . . . \$250

**Tranquility Base 2.** As above. 19 x 1¼ x 14 in . . . . . \$200

**Tranquility Base 1.** As above with footer. 18 x 1 x 14 in . . . . . \$150

### Footers

*Microvibration isolation system. Advanced tuned suspension decouples low frequencies; IsoTec high-energy absorption material absorbs and dissipates low- and high-frequency vibrations.*

Footers . . . . . \$125

Heavy duty footers . . . . . \$100

CD footers; 4 pack . . . . . \$50

All purpose footers; 4 pack . . . . . \$50

Basic footers; 4 pack . . . . . \$50

### CD SoundRing

*Vibration stabilizer mounts on outer edge of CD. High-density material provides weight and dampening to stabilize CD. Includes centering device.*

50 rings . . . . . \$50

12 rings . . . . . \$14.95

1 ring Sampler . . . . . \$1.50

### Interconnect Cable

#### M Sigma 2000

*Features balanced impedance, multiconductor construction; MicroFiber; 12-cut Turbine connectors. Designed for high-energy transfer.*

0.5 m-20-ft pr . . . . . \$675-\$1,500

With ground control connection. 1-m pr . \$875

Female XLR to male XLR. 20-ft pr . . . . \$1,650

Female XLR to male XLR. 2-m pr . . . . \$1,050

Female XLR to male XLR. 1-m pr . . . . \$900

2 male RCA's to male XLR. 20-ft pr . . . \$1,700

2 male RCA's to male XLR. 2-m pr . . . \$1,100

2 male RCA's to male XLR. 1-m pr . . . \$950

#### M1500

*Features balanced-impedance design; 12-cut Turbine connectors.*

0.5 m-6-m pr . . . . . \$450-\$980

With ground control connection. 1-m pr . \$450

#### M1000 MK II

*Phase-aligned bandwidth-balanced design with 12-cut Turbine connectors; MicroFiber.*

0.5 m-6-m pr . . . . . \$120-\$500

With ground control connection. 1-m pr . \$235

### Interlink Reference II

*3-wire multiple-gauge network for each conductor. Thick core wire designed for frequencies below 300 Hz, 4 medium conductors for*

*midrange, hair-thin woven stranded wires made for 700+ Hz. Turbine connector.*

0.5 m-6-m pr . . . . . \$75-\$290

#### Interlink 800

*2 multiple-gauge, bandwidth-balanced wire network. Features Isotec insulating layer; MicroFiber dielectric on selected conductors; 12-cut Turbine connectors.*

From spool . . . . . \$6/ft

#### Interlink 500

*Bandwidth-balanced construction; dual conductors with MicroFiber.Precut.*

0.5 m-6 m . . . . . \$40-\$180

From spool . . . . . \$4/ft

#### Interlink 400

*Same design as Interlink Reference; Microfiber unterminated.*

0.5 m-6 m pr . . . . . \$30-\$88

From spool . . . . . \$1.25/ft

#### Interlink CD Cable

1 m-6 m pr . . . . . \$30-\$76

From spool . . . . . \$1.50/ft

**Genesis Lightspeed Tonearm Interconnect.** For connecting cartridge to preamp . . . . . \$175

### Speaker Cable

#### M Sigma 2

*Features balanced-impedance technology. Advanced network wrapped around a magnetic flux core; high-current capacity; includes new cold-welded solderless connection.*

8-20 ft . . . . . \$750/pr-\$1,500/pr

Bulk . . . . . \$35/ft

Bi-wire. 20-ft pr . . . . . \$1,700

Bi-wire. 12-ft pr . . . . . \$1,200

Bi-wire. 8-ft pr . . . . . \$950

#### M1.5

*Features balanced impedance design; combined MicroFiber technology with Magnetic Flux Tube construction; uses special solderless compression spade connector.*

8-25 ft . . . . . \$400/pr-\$1,000/pr

#### M1

*MicroFiber dielectric insulation designed to eliminate intertransient noise, reduce transient interference. Intended to preserve power and dynamics; primary and secondary grouped networks; carrying case; X-Terminators.*

4.5 m-9 m . . . . . \$400/pr-\$650/pr

From spool . . . . . \$9/ft

With M-Spades

4.5 m-9 m . . . . . \$325/pr-\$600/pr

#### Powerline II Plus

*Bass-control conductor for even distribution of magnetic fields; directly addresses magnetic behavior of audio signals; time-aligned audio signal.*

4.5 m-7.5 m . . . . . \$150/pr-\$200/pr

#### Powerline II

*Designed to eliminate phase inaccuracies, aligns highs and lows for improved frequency response.*

Unterminated . . . . . \$3.75/ft

#### Powerline III

*Smaller version of Powerline II.*

Unterminated . . . . . \$2/ft

### New Monster Cable

*Utilizes multigauged conductors and special winding configuration; separate high and low conductor networks for biwiring or biamping; terminated with OmniFlex angled 24k-gold pin*

*connectors.*

3 m-15 m . . . . . \$35/pr-\$129/pr

From spool . . . . . \$1.25/ft

### Original Monster Cable

*Improved version of original Monster Cable with new strand configuration designed for midrange clarity, faster transient response, and extended low- and high-frequency response. Precut, with universal gold pin connectors with lock-notch.*

4.5 m-15 m . . . . . \$35/pr-\$100/pr

From spool . . . . . \$1/ft

### Superflex 2

*Uses specially sized multigauge wire combinations in each conductor. Flat profile, wide center web lies under carpets and can be tacked along walls for easy installation.*

From spool . . . . . \$0.80/ft

### Connectors, Adaptors

#### Gold Pin Connectors

*For push-pin terminal connections; 24k-gold plated.*

M. series, 4 pk . . . . . \$10

Regular, 4 pk . . . . . \$6

#### Angled Gold Pin

*Patent-pending 60-degree angle reduces stress between pin and cable; lock-notch design; OmniFlex connector.*

M. series, 4 pk . . . . . \$12

Regular, 4 pk . . . . . \$8

Mini-4 pk . . . . . \$8/pk

#### Gold Spade Connectors

M. series-4 pk . . . . . \$20

Regular-4 pk . . . . . \$10

Mini-4 pk . . . . . \$8

#### Monster Tips

*Banana connector features nine beryllium-copper leaf springs; 24k gold plated.*

M. series-2 pk . . . . . \$14

Regular-2 pk . . . . . \$12

Mini-2 pk . . . . . \$12/pk

#### Precision Gold Banana Connectors

*Patented solid-shaft design; expanding shaft construction.*

Component series connector-2 pk . . . . \$100

X-Terminator-2 pk . . . . . \$60

Powerconnect 2-2 pk . . . . . \$34

#### Phonolink Precision Turbine-Cut RCA Connectors

*M-Terminator T connectors fit Interlink M1000 Mk 2; Phonolink reference 2T fits Interlink reference 2; Phonolink 500 T connectors fit Interlink 500; Phonolink 400 T fits Interlink 400, Interlink CD.*

M-Terminator T connector-2 pk . . . . . \$70

Phonolink reference T-2 pk . . . . . \$50

M-Terminator T Connector-24 pk . . . . \$35

Phonolink 500 T-2 pk . . . . . \$30

Phonolink 400 T-2 pk . . . . . \$28

Phonolink reference T . . . . . \$25/pr

#### Phonolink Precision Gold RCA Connectors

*Phonolink 300 connector fits Interlink 300, Interlink 301, and Interlink CD; Phonolink 2a connector fits Interlink 2.*

Phonolink 2a-2 pk . . . . . \$34

Phonolink 300-2 pk . . . . . \$16

#### Phonolink Right-Angle Turbine RCA Connector

*Fits Interlink 500, Interlink 400, Interlink 300.*

From spool . . . . . \$20/pr

#### Y Adaptor

*Male-to-two female RCA Y-Adaptor; 24k-gold plated.*

From spool . . . . . \$12/pr

# ACCESSORIES

**Right-Angle RCA Adaptor**  
Male-to-female RCA adaptor with 90-degree angled bend; 24k-gold plated ..... \$12/pr

**Crimp Rings**  
M. series ..... \$0.20/pc  
Regular ..... \$0.10/pc

**Cable Pants**  
M1 ..... \$2/pr  
Powerline 2 Plus ..... \$1/pr  
Powerline 3 Plus ..... \$1/pr

## MUSIC & SOUND IMPORTS

Carry Disc, Wallet-type CD storage case; holds up to 14 CD's ..... \$15.95

### NAIM

NA G23, FM antenna ..... \$405  
NA G17, FM antenna ..... \$255

**NACA5 Speaker Cable**  
Multistrand cable consisting of two separate 4-mm square conductors ..... \$8.95/m

### NILES

**CPM-31 Patching Matrix**  
6 x 6 patching matrix to connect tape decks, equalizers, and NR units. Allows component's output to be fed to another component's input. 9 x 4 x 8 3/4 in; 6 lb ..... \$180

**ADA-6 Audio Distribution Amplifier**. Line level. Single input can be distributed to 6 destinations ..... \$140

**IRP-1 Power Supply**. For IR repeater system ..... \$140

**SV-5 Auxiliary Selector**  
Expands auxiliary input to accommodate five different sources; passive attenuator provides volume control over each source ..... \$90

**TSB-3 Tape-Deck Switch Box**  
Record, playback, and dub can be chosen from any of three tape decks. Features RCA jacks; optional rack-mount ears ..... \$80

**IRR-1 & IRC-1 Infrared Receiver/Controller**  
Wall-mount infrared receiver. When connected to IRP-1 and IRC-1 controller enables you to control almost any infrared remote control component; up to 30 IRR-1 units can be connected to the IRP-1 power supply ..... \$70  
IRC-1 controller ..... \$20

**SVC-1**. Table-top speaker volume control for remote speakers. Volume adjustment independent from main speakers. Uses autoformer volume control instead of L-pad ..... \$75

**SCW-1 Volume Control**. Wall-mounted stereo volume controls for remote speakers. Uses autotransformers instead of L-pad ..... \$48  
**SCW-2A**. Similar to above but has selector switch for 2 amplifier inputs ..... \$66  
**SCW-2**. Similar to SCW-1 with stereo head-phone jack ..... \$66  
**SCW-2HP**. High-power version of SCW-1. Power handling 15 W/ch ..... \$70

**DPS-1 Amplifier/Speaker Selector**  
Permits either of 2 amps to power single pair of speakers, or single amplifier to power either of 2 pairs of speakers. Features high-power A-B selector switch box; handles 300 W/ch ..... \$65

**AXP-1 Auxiliary Input Selector**  
5-input, 1-output stereo selector box for 5 line-

level signal sources ..... \$55  
**PS-1 Phono A-B Switcher**  
For connecting 2 turntables to receiver with one phono input. 4 3/4 x 1 7/8 x 4 in; 0.5 lb ... \$50

**DPS-1W Amplifier/Speaker Selector**  
High-power wall-mount design ..... \$50

**LVW-1 Volume Attenuator**. Wall-mount line-level attenuator ..... \$48

**SJ-1 Wall-Mount Connector**  
Contains two 5-way binding posts for speaker connections. Mounts like electrical outlet plate. Bone, brass, stainless steel, white ..... \$6.30

### Speaker Selection Systems

**MSA-6R**  
Remote-controlled, 6-position speaker-switching system. Works from central location or remotely using optional wall controls. Turns on AC power to main system as well as speakers in individual rooms. 6 locations can be played at once. Maintains nominal 8-ohm load .... \$599

**MSA-10**  
Enables play of up to 10 pairs of 4-, 6-, or 8-ohm speakers off of any stereo amp. Features high-power imp matching transformers; logic circuitry; 10 front-panel controls; rear connector accepts 14-gauge speaker wire; separate L+R ch grounds for use with bridged amps. Power handling 250 W/ch ..... \$550

**SVC-4**  
For 4 pairs of speakers. Features individual volume controls; connection for second amp; autotransformers; separate L+R ch ground connections for bridged amps ..... \$280  
**SVC-4W**. Same as SVC-4 except for flush mounting into wall. Preconstructed and retrofit versions available ..... \$325

**SVC-2**. For 2 pairs of speakers. Individual volume controls; autotransformers ..... \$150

**SPS-1**. Accommodates 14-gauge speaker wire; power handling capacity 100 W/ch. Genuine walnut side panels ..... \$80

**HDS-6**  
For up to 6 pairs of speakers. Accommodates 8-gauge wire; power handling 250 W/ch; head-phone jack; works with any amplifier .... \$200  
**HDS-4**. As above, for 4 speaker pairs .... \$150

## NITTY GRITTY

**Mini-Pro 2 Record-Cleaning System**  
Automatic operation wets, scrubs, and vacuums both sides simultaneously; slide-out waste-fluid tray. Solid-oak cabinet ..... \$700  
As above, vinyl-woodgrain cabinet ..... \$630

**Hybrid 2 CD/Record-Cleaning System**  
Semiautomatic; mechanical fluid application, automatic scrubbing, auto rotation, slide-out waste fluid tray for record cleaning. Motorized CD cleaner. Solid-oak cabinet ..... \$610  
**Hybrid 1**. As above, vinyl-woodgrain cabinet ..... \$550

**Model 2.5 Fi Record Cleaning System**  
Mechanical fluid application, automatic scrubbing, automatic rotation, slide-out waste fluid tray. Solid-oak cabinet ..... \$500  
**Model 1.5 Fi**. As above, vinyl cabinet .... \$440

**Model 2.5 Record Cleaning System**  
Auto scrubbing on one side, auto rotation, slide-out waste fluid tray. Solid-oak cabinet ..... \$420

**Model 1.5**. As above, vinyl-woodgrain cabinet ..... \$360

**Model 2.0 Record Cleaning System**  
Record brush, turner and 4-oz of Pure 2. Solid-oak cabinet ..... \$270  
**Model 1.0**. As above, vinyl-woodgrain cabinet ..... \$220

**CD2 CD Cleaning System**  
Motorized; solid-oak cabinet ..... \$230  
**CD1**. As above, vinyl-woodgrain cabinet. \$170

**Record Cleaning Fluids** ..... \$9.95-\$12.95

## NORSE

**CD Storage Cabinets** ..... \$19.95-\$40

**Wood-Crate Storage Cabinets** ..... \$2.99-14.95

**Cassette Carrying Cases**  
**Model 212**. Holds 12 audiocassettes .... \$7.95  
**Model 224**. Holds 24 audiocassettes ... \$10.95

**Soft-Sided Traveler Cases** ..... \$7.95-\$10.95

## ONKYO

**RC-AV20M Universal Remote Control**  
Can be programmed to operate variety of audio/video components. 100 programmable functions; full control of more than 10 components; A/V operation modes. Preprogrammed with Onkyo RI command codes ..... \$100

## ORA

### Studio Spec Series

**SDX1 Stereo TV Decoder**. Decodes stereo TV audio signal for playback through hi-fi system ..... \$100  
**CD-2K Compact Disc Cleaning Kit**. Includes cleaning brush, chamois pad, base/box, cleaning solution ..... \$13  
**CDS10 CD Holder**. Stores 10 CD's ..... \$13  
**CD908 CD Storage Case**. Holds 6 CD's in soft, protective sleeves ..... \$11  
**CD-4**. CD jewel-box storage boxes; 2 pack . \$4  
**MK-116 Tape-Head Maintenance Kit**. Includes brush, mirror probes, cleaning solution .... \$4  
**ATC-DC-113 Cassette Deck Cleaner**. Dual-capstan wet-type head cleaner ..... \$4  
**OFX RCA-to-RCA Cable**. OFC cable; 1-3, 12-15-, 20-ft ..... \$7-18

### OFT Series Cable

Oxygen-free copper cable with titanium-avilenco connectors.  
**OFT-228STV**. For audio and video . \$57.95/2 m  
**OFT-228ST**. For audio ..... \$53.95/2 m  
**OFT-58STV**. For audio and video \$49.95/0.5 m  
**OFT-55ST**. For audio ..... \$43.95/0.5 m

## PARSEC

**Model 2000 AM/FM Antenna**  
Features omnidirectional or unidirectional reception: dual MOSFET circuitry. FM range 88 MHz to 108 MHz; FM gain - 20 dB to 40 dB; FM noise < 1.5 dB; AM range 500,000-1700,000 Hz; AM gain 15 dB; AM noise 1.5 dB ..... \$90

**The LS-4 Indoor FM Antenna**  
Features GASFET design. Displays omnidirectional characteristics when placed in vertical position; displays directional characteristics when placed in horizontal position ..... \$50

**Stealth FM Antenna**. Designed to hide away. Range 88 MHz to 108 MHz; amplifier gain 32 dB min; noise < 1.5 dB ..... \$50

# ACCESSORIES

## FM Antenna/Booster

Free-standing design; omnidirectional reception when vertical and directional when horizontal. Features Schotz MOSFET amplifier; variable output gain to maximize weak signals and eliminate saturation from strong stations. \$30

## Wavcatcher AM/FM Antennar

Reduces distortion due to reflected and overlapping signals; omnidirectional reception when vertical and directional when horizontal. FM range 88 MHz to 108 MHz; FM gain 3 dB; FM noise 0 dB; AM range 500,000-1700,000 Hz; AM noise 0 dB. \$25

Scratch Out. Removes dirt, dust, oily residues, surface blemishes, and scratches from CD's. \$9.95

## PER MADSEN

### Rackit System Storage Racks

CD-180. Holds 180 CD's. Oak finish. \$200  
Birch finish. \$180  
Audio-cassette. Holds 108 DAT, 8mm video or VHS-C tapes. Oak finish. \$110  
Birch finish. \$100  
"45". Holds 300 45-rpm records. Oak finish. \$110  
Birch finish. \$100  
CD-90. Holds 90 CDs. Oak finish. \$110  
Birch finish. \$100  
Record Rack. Holds 100 12-in LPs or video discs. \$40  
Dolly. Holds 300 lbs weight. \$40  
Tabletop. \$25

## PFANSTIEHL

CD-LC Cleaner. For CD-player's laser lens. \$29.95  
UCACL Cassette Link. Permits playback of any portable through any cassette player. \$29.99  
PCHC Tape-Head Cleaner. Scrubs head and capstan/pinch roller. \$12.49

## PHANTOM ACOUSTICS

### The Shadow

Active system for controlling low-frequency room characteristics. Incorporates electronic/acoustic servo design; two separate and independent suppression modules, each with sensing condenser mic, servo electronics, and acoustic transducer; external supply. \$2,500/pr

## PHILIPS

AK9033GY01 "Smart One" Remote Control  
Preprogrammed/programmable universal remote control operates 5 different AV components; learns functions of any infrared remote model; back-up memory. \$85

AK9133GY01 "Smart One" Remote Control  
Can be programmed to learn an unlimited number of features from other remote controls. Controls 3 different infrared remote-controlled products at one time; back-up power source. \$80

## PHOENIX GOLD

### Speaker Cable

#### STS Series

Triple-shielded; sapphire-blue jacket with 24-karat-gold omega-red RCA's. 6 in-20 ft. \$60-\$110

#### ZeroPoint Reference Series

ZeroPoint Reference II interconnects utilize pc-occ copper; unidirectional single-crystal structure; Teflon jackets; 24-karat gold-plated connector. 0.5m-2m/pr. \$55-\$85  
Speaker cable. \$2.50/ft

## MQR Series

4-conductor triple shield; remote turn-on leads using PRO-TS RCA's. 4-16-ft. \$36-\$70  
Bulk cable. \$2.50/ft

## CSI Series

2-conductor triple shield; remote turn-on lead using PRO-TS RCA's. 20 in-16 ft. \$30-\$48  
"Y" adaptor. \$18 ea  
Bulk cable. \$1.25/ft

## Connectors and Adaptors

Omega-Ref. RCA with Teflon; 24-karat gold-plated and semi-locking feature. \$20/pr  
Pro-426S/L. 24-karat gold-plated pro-series; 90-degree right-angle solder-type RCA's. \$16/pr  
Pro-416S/L. 24-karat gold-plated; 90 degree angle RCA adaptor. \$14/pr  
Pro-TS/TL. 24k gold-plated; male RCA. \$9/pr  
PRO-400. 24-karat gold-plated; Pro-series; double female adaptor. \$8/pr  
PRO-401. 24-karat gold-plated; Pro-series; double male adaptor. \$8/pr  
Pro-419L. 24-karat gold-plated; 90 degree angle Y adaptor in a connector. \$8 ea  
AA-408. 24-karat gold-plated crimp on banana with boots. \$8/pr  
AA-401. 24-karat gold-plated; double male adaptor. \$5/pr  
AA-400. 24-karat gold-plated; double-female adaptor. \$4/pr

## PIONEER

### BSS-F1 Bodysonic Surround-Sound Chair

Swiveling black-leather chair designed for surround-sound applications. Features 3/4-in-dia-phragm stereo speakers in headrest; dynamic-damper bass-drive unit mounted in seat; remote control mounted under seat; RCA jack; headphone jack. 40 x 38 x 38 in. \$2,000

### CU-AV200 Smart Remote Control

Learns control codes from almost any infrared remote control. Features programmable LCD panel; up to 20 continuous key operations from single key. \$175

CU-AV100 Smart Remote Control. \$125  
CU-AV70. \$85

## PLATEAU CAMBER

L7000 Speaker Stands. Includes 1-in spike feet and isolation pads. 11 1/4 x 23 x 10 1/2 in. \$40-80

## PORTLAND

CD/MATE CD Carrying Case. Holds 20 CD's. \$30  
Holds 10 CD's. \$19

## REALISTIC BY RADIO SHACK

### Hickory-Grained Audio Cabinet

Full-length tempered glass doors; hinged top; 3 adjustable shelves; storage space for LP's and tapes; metal supports; heavy-duty swiveling casters; unassembled; hickory-grained vinyl finish. \$120

### Tape Control Center

Connects to tape-monitor loop to allow use of three tape decks for monitoring, recording, and dubbing; illustrated manual. \$26

### Audio Source-Control Center

Allows the connection up to three line-level audio sources to auxiliary input of receiver/amplifier. 5 1/2 x 2 1/4 x 1 3/8 in; 0.5 lb. \$15

General Tape Accessories. \$0.79-\$17.95

### Tape-Recorder Maintenance

Lighted Demagnetizer. 3.5 in; for all tape

decks. \$15.95

Tape-Head Demagnetizer. In cassette shell; works in 1 sec; with battery. \$10.95

Universal Demagnetizer. For all tape decks; 2 angled tips. \$9.95

Demagnetizer/Cleaning Kit. Demagnetizer cassette, probe, mirror, solution, cloth. \$5.95

Head-Cleaning Kit. With 6-gram bottle of solvent and 6 foam swabs. \$3.79

Pro-Style Solvent. Dissolves dirt and oxides on heads; 2 oz. \$3.59

Cleaner Cassette. Felt pads clean heads, pinch roller, capstan; with 0.5 oz of fluid. \$2.89

Cleaning Swabs. Reusable lintless foam; 10-pack. \$2.29

Recorder-Cleaning Kit. 2 1.25-oz bottles of cleaner and lubricant; 10 swabs. \$2.19

Head-Cleaning Spray. Removes dirt and oxide without residue. \$1.99

Cleaning Cloths. General use; 4-pack. \$1.99

Cassette Head Cleaner. Removes oxide from head and capstan; with fluid. \$1.89

Cleaning Sticks. Cotton-tipped 6-in wood sticks; 100 pack. \$1.69

Head-Cleaner Solution. Cleans heads, tape guides, capstans, metal parts; 2 oz. \$0.99

Nonslip Solvent. Reduces slipping of idler wheels, belts, etc.; fast drying. \$0.99

## Cassette Accessories

Tape Splicer. Chrome cut/trim lever; with splicing tape and instructions. \$6.99

Index Cards. Fits standard cassette boxes; 20 pack. \$1.29

Tape Housing. With 24-in leader tape and instructions. \$1.19

Cassette Boxes. Hinged; clear plastic; 3 pack. \$1.39

Index Labels. Adhesive; 6 each of red, yellow, blue, green; total 24. \$0.99

Molded Mailers. Meets first-class postal regulations; 3 pack. \$0.99

Budget Mailers. Cardboard boxes with labels; meets first-class postal regulations; 6 pk. \$0.89

## RECOTON

Powerwave 600 Amplified Antenna. Features 3 stage UHF amplifier; adjustable gain control; swivel tilt adjustment. LED indicator. \$90

Powerwave 200 Amplified Antenna. Features low-noise, high-gain amplifier circuitry, 30-dB gain throughout FM band; adjustable gain. \$80

CD22 DC Power Adaptor. Allows portable CD players to be powered via car cigarette lighter. For Sony, Technics, Panasonic, and JVC. \$35

CD20 CD Adaptor. Permits portable CD player to be played through any cassette player; uses cassette-shaped adaptor. \$30

## REVOX

### B210 Bi-directional A/V System Controller

8-bit controller designed to operate complete multiroom Revox music system. Learns infrared signals of other manufacturers' video and audio components. \$995

### B209 Easyline Infrared Multiroom Remote

Multiroom remote system allows individual control of volume, treble, bass, and balance in multiple rooms. While one source plays in main listening area, different source can play simultaneously in remote rooms. Allows connection of independent source in each room; system requires power amp, speakers and B209 module in each room. \$595  
Connector box. \$195

## R.F. ENGINEERING

### Speaker Switches

Automatic switches that connect various audio



# ACCESSORIES

sources to single pair of speakers. All models have power requirements of 12 V/100mA; power consumption 2 W max; contact resistance 0.05 ohms; line imp 25 kilohms min.

- Model SI-3-BG. Features 5-way binding post gold plating, 12 AWG. 3 x 4 x 2 in ..... \$160
- Model SI-3-B. Features 5-way binding post tin plating; 16 AWG. 3 x 4 x 2 in; 15 oz ..... \$115
- Model SI-3-A. Handles 3 audio sources, max 450 W per channel. 3 x 4 x 1 1/2 in ..... \$90
- Model SI-2-A. Handles 2 audio sources. Max 120 W per channel. 3 x 4 x 1 1/2 in; 14 oz ... \$70

## TAS-20 Series Speaker Switches

Similar to SI series, except television input passes through 20 W amplifier. All models have power requirements of 110 V AC, 60 Hz; power consumption 60 W max; contact resistance 0.050 ohms; line imp 25 kilohms min; 4 x 6 x 3 in; 4.5 lbs.

- Model TAS-20-3BG. 5-way binding post, gold plating ..... \$210
- Model TAS-20-3B. 5-way binding post, tin plating ..... \$210
- Model TAS-20-3A. Handles three audio sources; spring connectors ..... \$190
- Model TAS-20-2A. Same as above except handles two audio sources ..... \$170

## Current Sensors

Dual current-sensing power panels used for surge suppression and line filtering. All models have power input of 110 V AC, 60 Hz; power consumption 10 W max; current rating 15 amps; voltage suppression 10,000 volts; surge suppression 200 amps; 6 x 10 x 3 in; 6 lbs.

- Model AC-8-CS. Features 8 externally controlled programmable outlets ..... \$290
- Model AC-8-S. Features 8 sequentially programmable outlets ..... \$270
- Model AC-8-C. Features 8 externally controlled outlets ..... \$270
- Model AC-8-A. Features 8 programmable outlets ..... \$250

## RUSSOUND/FMP

- Switch Boxes ..... \$55-\$25
- Tape-Recorder Selector Systems ..... \$135-\$205
- Source Selectors ..... \$135-\$205
- Remote, Wall-Mount Volume Controls ..... \$32-\$85
- 25-Volt Attenuators ..... \$34-\$71
- 70-Volt Attenuators ..... \$36-\$71

## SANSUI

- 1R-1000U RemoteRemote Multiroom Remote
- Allows you to operate the main audio or video system from anywhere in house using system's regular remote. Infrared sender is affixed to top or bottom of main equipment in line with main unit's remote sensor. Uses hard wire to transmit signal. Includes receptor for installation at remote location; infrared sender; 50 feet of wire; 9V-power supply ..... \$60

## SANUS

### Basic Foundations

- Speaker stands made of 3/4-in mdf; steel-spiked feet and Neoprene isolation pads.
- S17. 17-in tall. Black satin finish ..... \$44
- S10. 10-in tall. Black satin finish ..... \$40

### Natural Foundations

- Speaker stands made of 3/4-in mdf; steel spiked feet and steel isolation studs; hand-sanded black-lacquer finish; hardwood pillars; and concealed cable path.
- NF28. 28-in tall. Black-lacquer finish ..... \$85
- NF21. 21-in tall. Solid-oak pillars ..... \$80
- Solid-walnut pillars ..... \$80
- Black lacquer finish ..... \$70

- NF14. 14-in tall. Solid-oak pillars ..... \$75
- Solid-walnut pillars ..... \$75
- Black-lacquer finish ..... \$65
- NF7. 7-in tall. Black-lacquer finish ..... \$50

### Steel Foundations

Speaker stands made of heavy steel; adjustable spiked feet and isolation studs; nonconductive wire path; may be filled with sand or shot.

- SF28. 28-in tall. Black-lacquer finish ..... \$130
- SF20. 20-in tall. Black-lacquer finish ..... \$125
- SF12. 12-in tall. Black-lacquer finish ..... \$120

### Reference Foundations

Speaker stands with triangular fountain-head bases; heavy-steel pillar/top plate construction; adjustable spiked feet and isolation studs; nonconductive wire path; may be filled with sand or shot.

- RF28. 28-in tall. Mineral/acrylic base ..... \$170
- RF20. 20-in tall. Mineral/acrylic base ..... \$165
- RF12. 12-in tall. Mineral/acrylic base ..... \$160

- Model 80 Audio/Video Storage Rack. Holds 84 CD's. Black, anodized aluminum ..... \$35
- Walnut, anodized aluminum ..... \$45
- Oak, anodized aluminum ..... \$45

## SERVICE MANUFACTURING

### CD Carrying Cases

- CD3316 16-Disc Carrying Case ..... \$35
- CD2219 18-Disc Carrying Case ..... \$29
- CD2206 10-Disc Carrying Case ..... \$17

### Cassette Carrying Cases

- Model 1860 60-Cassette Soft Case ..... \$35
- Model 2233 30-Cassette Soft Case ..... \$32
- Model 2042 24-Cassette Attache Case ..... \$14
- Model 2045 12-Cassette Soft Case ..... \$11
- Model 1800 10-Cassette Pouch ..... \$9

## SHURE

- TTR-117 Test Record. Test record for testing phono-cartridge response ..... \$16.50
- SFG-2 Stylus-Force Gauge

Allows precise setting of optimum stylus force for maximum trackability and sharply reduced wear on records and stylus tip ..... \$9.25

## SIGNET

- SK485. LC-OFC headshell wire set ..... \$15
- SK302RCA. RCA cleaning tools only ..... \$10

### Speaker Stands

- ST-280. Contoured wood columns, steel top-plate, black-lacquer base, spike feet. 18-in high ..... \$159/pr
- ST-260. As above, 27-in high ..... \$159/pr
- ST-230. All-steel stands, black-enamel finish, 37-in high ..... \$75/pr
- WB-1. Wall bracket for speakers up to 12 lb \$70/pr

### Cleaners

- SK310 Record-Cleaning System ..... \$30
- SK312 Compact Disc Cleaner ..... \$25
- SK307 Tape-Head Cleaner ..... \$15

### Speaker Cable

- MLU-250. PCCC; individually insulated dual-gauge design ..... \$5/ft
- MLA-500. Multiple-strand OFC ..... \$1.15/ft
- MLS-1000. Multiple-strand OFC conductor ..... \$35/ft
- ML14. 14-gauge single-conductor OFC cable; multiple-strands; black, blue, red, white \$34/ft
- HT18. 18 gauge ..... \$16/ft

### Interconnect Cables

- AT6A54/1.0. Ceramic/polyethylene insulation; PCCC dual-center conductors; unidirectional

- ground configuration; female XLR to male XLR. 1-meter pair ..... \$200
- AT6D51/1.0. Quartz fiber-optic interconnect; ceramic/polyethylene insulation; gold-plated connectors; 1-meter cable ..... \$200
- AT6A52/1.0. Ceramic/polyethylene insulation; PCCC dual-center conductors; unidirectional ground configuration; solid PCCC RCA plug. 1-meter pair ..... \$175
- MTU. High-density PCCC braided shield; gold-plated solid brass RCA connectors; 6-ft pr \$150
- 3-ft pr ..... \$125
- 1 1/2-ft pr ..... \$100
- MTP. PCCC pure-copper continuous-cast conductor; OFC braided shield; gold-plated RCA connectors; 6-ft pr ..... \$85
- 3-ft pr ..... \$70
- 1 1/2-ft pr ..... \$60
- MTP-200. MTP cable sold in bulk ..... \$4/ft
- MTA. OFC conductors and braided shield; gold-plated RCA connectors; 6-ft pr ..... \$57
- 3-ft pr ..... \$45
- 1 1/2-ft pr ..... \$40
- MTS. OFC conductors; gold-plated RCA connectors; braided shield; 12-foot pair ..... \$48
- 6-ft pr ..... \$36
- 3-ft pr ..... \$30
- 1 1/2-ft pr ..... \$27
- MTS-300. MTS above sold in bulk ..... \$1/ft

## SIMPLY PHYSICS

### Isostand Floor Stand

Used as isolation platform for CD player or turntable. Also includes internal shelves for preamplifiers, tape decks, tuners, power amplifiers. Features three-point triangular design with 19-in equilateral cross section; welded-steel construction ..... \$540

Innerspace shelf ..... \$40 ea

### Isodrive Compact Disc Stabilizing System

Locks CD into center of hub. Features upper single-point clamping bearing; machined polymer clamp/stabilizing disc ..... \$100

### Large Tonecone Spike

Features polymer body; removable stud; rigid alloy point; santiprene pads which rise from cone. Comes in a variety of thread sizes and adaptors ..... \$15

Medium Tonecone. As above without santiprene pads ..... \$7.50

Small Tonecone. Smaller version of above .. \$4

Isopod. Features multicoiled vinyl ribs; to be attached to Small Tonecone ..... \$10

Conecup. Flat polymer disc with concave receptacle for any Tonecone ..... \$4

## SONANCE

### SDS Speaker-Distribution Systems

#### SDS4-VC

Dual-source speaker-switching system which incorporates four volume controls; four source-selector switches; four speaker on/off switches; protection switch. Power handling 80 W (sine wave), 160 W (program) ..... \$440

#### SDS-4x2

Dual-source speaker-switching system that switches four pairs of stereo speakers; each pair can access either source A or B by pressing button. Power handling 200 W (sine wave), 400 W (program) ..... \$300

#### SDS-4AB

Dual-source speaker-switching system that switches four pairs of stereo speakers; system is configured to present load of no less than 4 ohms to amplifier. Power handling 200 W (sine wave), 400 W (program) ..... \$240

# ACCESSORIES

## SDS-4

Switches up to four pairs of stereo speakers connected to one source; keeps load above 4 ohms. Power handling 200 W (sine wave), 400 W (program) ..... \$210

## SDS-4MP

Switches up to four pairs of stereo speakers connected to one source; keeps load above 4 ohms. Power handling 100 W (sine wave), 200 W (program) ..... \$180

## VC50B Volume Control

Dual autotransformers; modular construction; strip terminal connectors on printed circuit board. For up to 50-W amplifiers ..... \$99

## ABB1 Box-Style Speaker Switcher

For switching of speaker pair or source selection. Features high-capacity, push-button contacts. Power handling 200 W ..... \$75

## VC50 In-Wall Volume Control

In-wall 50-W volume control mounts in standard light switch plate or P-ring. Features non-shorting wafer switch. FR 20-20,000 Hz -2 dB; attenuation -31.5 dB; -3 dB/step, 10 steps. White, ivory, brown, brass ..... \$55  
Decora style ..... \$63

## VC50A In-Wall Volume Control

In-wall 50-W volume control mounts in standard light switch plate or P-ring. Features modular construction; terminal block connectors mounted on printed circuit boards; input/output separated on top and bottom ..... \$58  
Decora style ..... \$63  
VC100A. As above with 100 W power handling; standard ring or open back for mounting ... \$69  
Decora style ..... \$78

## ABW1A In-Wall Speaker Switcher

Can be used as on/off switch or speaker switcher. Features separately LR ground circuits; self-cleaning switch. Stereo 4 pole, double throw. Power handling 200 W. Mounting requires single-gang P-ring or open-back box with standard light switch wall plate. Wall plates and buttons come in white, ivory, brass, and brown ... \$32

## Speaker Terminals

Designed as connection points for conventional enclosed speaker systems while maintaining basic in-wall signal-distribution system. Features direct entry, screw clinching, gold-plated 5-way binding posts. Available in white, brown, ivory, brass, and stainless-steel finishes.

AT12. Single-gang, 2-post wall plate for single speaker ..... \$59  
AT8. Single-gang, 4-post wall plate for pair of speakers ..... \$43  
AT4. Double-gang, 8-post wall plate for two pairs of speakers ..... \$24  
AT2. Double-gang, 12-post wall plate for 3 pairs of speakers ..... \$15

## Speaker/Amplifier Terminals

Designed as connection point for speaker or amplifier wiring. Feature internal screw-connect terminals; gold-plated brass barrels jacks. Available in white, ivory, and brown wall plates.

AJ4. Two channel speaker/amp connection \$26  
Decora style ..... \$27  
AJ2. Connection for single-channel ..... \$15  
Decora style ..... \$26

## Speaker Cable

Features tin-plated copper conductors and pink PVC jacket.

14/4. 14-gauge, 4-conductor cable ..... \$0.72/ft  
16/4. 16-gauge, 4-conductor cable ..... \$0.58/ft  
14/2. 14-gauge, 2-conductor cable ..... \$0.38/ft

18/4. 18-gauge, 4-conductor cable ..... \$0.36/ft  
16/2. 16-gauge, 2-conductor cable ..... \$0.32/ft  
22/4. 22-gauge, 4-conductor cable ..... \$0.31/ft  
18/2. 18-gauge, 2-conductor cable ..... \$0.20/ft  
OP-2 Z-Couplers

Designed to bring source signal from receiver or similar device with no preamp output to separate power amplifier. Adaptor can take signal from one amplifier's speaker output, drop voltage, and match impedance so signal can be easily fed into separate amplifier at input RCA jacks. Power handling up to 100 W .. \$20  
OP-3 Z-Couplers. Similar to above with power handling 100-200 W ..... \$20

## SONEX BY ILLBRUCK

### SONEX Acoustic Foam

Sound-absorbing foam sheets used to control room acoustics by absorbing frequencies caused by standing waves, resonances, slap echoes, etc.

Juniors. 2-in-thick 24-in x 24-in sheets. 4 sheet box ..... \$54

## SONRISE

Cabinets available in oak, black-walnut, iced-oak, black-satin oak, or rosewood finish.

SG-11DL Stacking CD Holder. One-sided unit holds 40 CD's. 9 x 21½ x 6 in ..... \$92  
SG-11LP Stacking Holder. Holds 75 discs or LP's vertically. 14½ x 14½ x 13 in ..... \$92  
SG-11D Swivel CD Holder. Stores 40 CD's horizontally; may be ordered without the swivel for stacking purposes. 10 x 11¼ x 11¼ in ..... \$92  
SG-D1 Stacking CD Holder. Holds 45 CD's, or mix of single, double, and triple CD's. 6¼ x 21½ x 5½ in ..... \$64

Systems below have 1-in thick shelves at 13½-in, with fins to accommodate LP's, and hidden casters.

SA-5 Audio Cabinet. 4 adjustable shelves; 1 fixed shelf; exterior height of 57¼ in; 24-in depth; partial solid oak ..... \$1,100  
SA-4 Audio Cabinet. 3 adjustable shelves; 1 fixed shelf; exterior height of 49 in ..... \$580  
SA-3 Audio Cabinet. 2 adjustable shelves, 1 fixed shelf; exterior height of 42½ in ..... \$510  
SA-2 Audio Cabinet. Adjustable shelf and fixed shelf; exterior height 34½ in ..... \$450

## SOUND ANCHORS

Equipment Racks ..... \$875

Amplifier Stands ..... \$225-\$249

Speaker Stands ..... \$148/pr-\$485/pr

## SOUNDSTREAM

### SN-1 Simul-Source

For use with System I Series C1 preamplifier. Allows the user to simultaneously access any of the preamplifier's available audio/video playback components in as many as five individual zones (rooms); 600-ohm balanced line audio and 75-ohm composite video run to remote amplifiers in each zone ..... \$995  
R-1 Remote Control

Programmable remote control allows infrared control of up to 10 multibrand A/V components. Remote speaker switching when use with other System-I Series components ..... \$200

### RSS-2 Remote Speaker Selector

Allows 2 pairs of speakers to be connected to RA-100 and DA-1 amplifier. Two RSS-2's can be joined to allow remote control switching of up to 4 pairs of speakers. Heavy-duty terminal-block connectors accept 8-gauge wire ... \$125

## BD-100 Remote Sensor

The BD-100 transmits infrared signals from a remote listening location, via multi-conductor cable, to either System I Series C-1 preamp or SN-1 Simul-Source network. Standard single-gangs Decora-style wall plate ..... \$120

## KP-100 Keypad

Remote control for Soundstream T-1 tuner and compact disc changer in Simul-Source installation. Fits standard Decora-style wall plate; colors: facias-creme, white, grey ..... \$120

RPS-6 Remote Power Strip. Allows 6 components to be switched on and off from System I Series C-1 preamp and R-1 remote ..... \$75

## Interconnect Cable

### SL-1 Silver-Teflon

Utilizes two silver-coated 22-gauge fine stranded center conductors; OFC; nitrogen filled Teflon dielectric coating; 24k-gold plated RCA connectors. 0.5m-2m ..... \$36/pr-\$60/pr  
Bulk ..... \$2/ft

### DL-1 Dual Audio Cable

Features OFC with multiple fine-strand center conductor; polyethylene dielectric coating; PVC jacket; 24k-gold-plated RCA connectors. 0.5m-5m ..... \$28/pr-\$60/pr  
Bulk ..... \$1.25/ft

## Speaker Cable

SP-1. Four 14-gauge multistranded conductors of OFCH wire with polyethylene dielectric \$3/ft

Speaker 120. 12-gauge ..... \$0.75/ft

Speaker 160. 16-gauge ..... \$0.40/ft

## SOUND RUNNER

### Oxygen-Free Speaker Cable

Unplated, high-density copper-strand cables. Uses 2 nonadjacent wires for plus side and other 2 wires for negative side.

8108. 8 gauge; stranding 133 x 29 ..... \$1.50/ft  
8416. 13 gauge quad; 4-105 x 36 ..... \$1.19/ft  
8110. 10 gauge; stranding 238 x 34 ..... \$0.99/ft  
WP1012. 12 gauge; stranding 168 x 34 ..... \$0.88/ft  
WP1016. 16 gauge; stranding 65 x 34 ..... \$0.39/ft

## STRAIGHT WIRE

### Interconnect Cable

Maestro. Features microporous Teflon dielectric; symmetrical coaxial geometry; gorilla-grip plugs; clear PVC jacket over polymer fiber braid. Available in balanced configuration with Neutrik Gild xLR's. 1-meter pr ..... \$272  
Add'l meter pr length ..... \$164  
Rhapsody. Features symmetrical coaxial/star quad geometry, polymer coated (OFC) strands. Teflon dielectric. Gorilla-grip phono plugs. 1-meter pair ..... \$152  
Add'l meter pr length ..... \$60  
LSI-Encore. Features symmetrical coaxial/twin axial geometry Teflon dielectric; red textile braid jacketed with clear PVC. Balanced-line ready; gold phono plugs. 1-meter pr ..... \$90  
Add'l meter pr length ..... \$30

Laser-Link. Low density Teflon dielectric and individually insulated OFC strands. Gold plugs. Turquoise PVC jacket. 1-meter pr ..... \$50  
Add'l meter pr length ..... \$20  
Silver-Link. 75-ohm coaxial with silver-plated OFC conductors and cross-linked polyethylene foam dielectric. 1-meter cable ..... \$44  
Add'l meter length ..... \$14  
Flexconnect. Solid Teflon dielectric, OFC tubular braided conductors. Red PVC jacket with gold plugs. 1-meter pr ..... \$36  
Add'l meter pr length ..... \$12

# ACCESSORIES

## Speaker Cable

**Maestro.** Symmetrical coaxial design with microporous Teflon dielectric. 9 gauge; 0.6-in dia. Clear PVC jacket over pearlscint-white textile braid. 10-ft pr \$680  
Bulk \$30/ft

**Rhapsody.** Teflon dielectric, individually insulated strands. 10 gauge; 0.5-in dia; blue textile braid with clear PVC jacket. 10-ft pr \$360  
Bulk \$15/ft

**Encore.** Symmetrical coaxial conductor geometry. 12 gauge; 0.4-in dia; clear PVC jacket over red textile braid. 10-ft pr \$192  
Bulk \$8/ft

**Pro 12 Signature.** Concentric tubular 12-gauge cable. Teflon dielectric and black Hytrel jacket; 0.3-in dia. 10-ft pr \$152  
Bulk \$6/ft

**Music Ribbon 32.** 9-gauge, 32 polypropylene-insulated OFC conductors. Flat (1.9-in wide x 0.06-in thick); tan or white jacket. 10-ft pr \$125  
Bulk \$5/ft

**Waveguide 8.** OFC conductors insulated with white and gray polypropylene. 12 gauge; clear PVC jacket. 10-ft pr \$100  
Bulk \$4/ft

**Music Ribbon 16.** 12-gauge, 16 polypropylene-insulated OFC conductors. Tan or white colored jacket. \$70/10-ft pr

**Waveguide 4.** 13-gauge, 4 polypropylene-insulated OFC conductors in electrically optimized helical array; clear PVC jacket. \$55/10-ft pr  
Bulk \$2/ft

**Waveguide 2.** 14-gauge, 4-conductor helical array. Beige PVC jacket. UL-CL2 rating. \$1/ft

**Waveguide 1.5.** 16-gauge, 2-conductor helical array. Beige PVC jacket. UL-CL2 rating \$0.80/ft

**Waveguide 1.** 18-gauge, 2-conductor helical array. Beige PVC jacket. UL-CL2 rating. \$0.60/ft

## SYMDEX

### Speaker Cable

Features solid-core, 24-gauge conductors made from high-conductivity, oxygen-free copper. Each conductor is insulated with Teflon.

**Omega** \$20/ft

**Beta** \$10/ft

**Alpha** \$5/ft

## TANTRUM TRADING

**WCR-42.** Wire free-standing/wall-mountable cassette rack; holds 42 cassettes \$14.99

**CD-15.** Vinyl case with see-through window; holds 15 CD's \$9.99

**FRM-1.** Album/video disc-display frame \$9.99

**SP-3 Sacpac.** 3-piece nylon belted sports pack \$9.95

**C-11.** Universal vinyl case with see-through window; holds 11 cassettes. \$6.99

**CD-12.** Stackable CD bricks; each holds 12 CD's \$4.99

## TARA LABS

### Temporal Continuum Interconnect Cable

0.6 m-2 m \$320/pr-\$635/pr

Additional lengths \$240/pr

### Space & Time Interconnect Cable

#### Pandora

0.6 m-2 m \$275/pr-\$475/pr

Additional lengths \$180/m

#### Original

0.6 m-2 m \$180/pr-\$310/pr

Additional lengths \$115/m

#### Analog Standard

0.6 m-2 m \$115/pr-\$245/pr

Additional lengths \$100/m

#### Standard

0.6 m-2 m \$79/pr-\$162/pr

Additional lengths \$65/m

## Phase II

0.6 m-2 m \$64/pr-\$139/pr

Additional lengths \$60/m

## Astral Blue

0.6 m-2 m \$48/pr-\$110/pr

Additional lengths \$45/m

## Paradox

0.6 m-2 m \$40/pr-\$83/pr

Additional lengths \$33/m

## Space & Time Phono Cables

5-pin universal tonearm plug fitted to 8-in Space & Time tonearm cable, hard-wired to Space & Time interconnect. Pricing does not include cost of interconnect cable.

Phono cable 0.2 m (Original, Pandora, Temporal Continuum interconnect) \$150

Phono cable 0.2 m (Astral Blue or Phase II interconnect) \$90

## AC Power Cable

AC Affinity. 6-ft length \$195

Phase II. 6-ft length \$95

## Speaker Cable

### Temporal Continuum Speaker Cable

1 pair of temporal controllers; Tara labs termination charges; instructional demo CD \$195

Cable; 6-ft, 8-ft, 10-ft & 12-ft are usually available in stock \$16.98/ft

### Phase II/TFA Return Speaker Cable Sets

Phase II for the positive run and TFA return for the negative run \$8.75/ft

Phase II. Positive and negative run each side \$6.95/ft

Linear foot off roll \$3.50/ft

TFA Return. Negative run only; linear foot off roll \$5.25/ft

Astral Blue. Positive and negative run \$2.95/ft

Amber. Positive and negative run \$0.98/ft

## TDK

### HD-30 Tape-Head Demagnetizer

Red LED; continuous audible tone while operating; beeper signifies termination \$25

RCL-11. Dry-type DAT head cleaner \$15

HCW-01. Wet-type cassette head cleaner \$9

HCL-11. Dry-type tape-head cleaner \$2

## TEAK-TECH DESIGNS

CDP-72 CD Pop-out. Holds up to 72 CD's.

Natural-grain finish. 15 1/4 x 16 1/4 x 6 1/2 in \$84.95

CDP-48. As above, holds 48 CD's. 15 1/4 x 11 1/2 x 6 1/2 in \$64.95

CD-64 CD Cabinet. Holds up to 64 CD's. Natural-grain finish. 17 x 11 1/2 x 7 1/2 in \$64.95

CDX-38. As above, holds 38 CD's. 11 1/2 x 7 1/2 x 11 1/2 in \$49.95

CDT-32. As above, holds 32 CD's. 12 1/2 x 1 x 19 1/2 in \$17.95

AC-45 Audio-Cassette Cabinet. Holds up to 45 cassettes. Natural-grain finish (hand sanded). 14 1/2 x 14 1/2 x 14 in \$49.95

CDR-120 CD Rack. Holds up to 120 CD's.

Natural-grain finish. 20 3/4 x 9 x 6 1/2 in \$49.95

CDR-60. As above, holds up to 60 CD's. 15 1/2 x 11 1/2 x 5 1/2 in \$44.95

ACT-44 Audio-Cassette Tray. Holds up to 44 cassettes. \$17.95

## TECHNICS

SH-R500 Learning Remote Control. Multifunction LCD display shows 9 screens; 275-function

capability; learning capability for major functions of most A/V equipment \$120

SH-90S Universal/P-Mount Headshell Adaptor Head shell/adaptor allows use of P-mount cartridges in universal headshell arms \$32

## TEI ELECTRONICS

79-VE2200 Compact Speaker Stand. \$52

79-VE2500 Speaker Stand. Made of impact-resistant ABS; matte-black color \$46

79-VE3000 Speaker Stand. Allows speakers to be tilted backwards at any angle \$45

79-DU0220 Speaker Mount. Speaker-clamping bracket designed for motion feedback speakers whose rear panel is unsuitable for mounting; rotates horizontally. \$37

79-BEK100 Speaker Mount. Bracket is hidden behind speaker and enables it to be adjusted both horizontally and vertically \$26

79-MINORS. As above, for speaker weighing up to 1 lb \$13.15

## TERK

### AS560i Speaker Stand/Amplifier

120-W/ch amplifier built into speaker stand. Incorporates IR-5 remote control; inputs and outputs; volume, balance, and tone controls; headphone jack \$550

AS530i. As above, with 60 W-ch \$450

MC 4000 AMP System. Provides remote control of speaker if used in conjunction with AS530i or AS560i \$260

### HPS500 Headphone/Amplifier

10 W stereo headphone/amplifier incorporates volume control; speaker outputs. Receives signal from wiring in house or apartment \$260

### MC 1000 Wireless Speaker Interface

Permits speakers to operate without hard wiring. Plugs into AC outlet and connects to tape loop or line-out of preamp. Remote control is possible via AS530i or AS560i \$180

### IR-4 Infrared Sensor

Plugs into AC outlet in same room as audio system. Receives infrared signal from remote-control unit and transmits it to components \$120

IR-5. Companion to IR-4, transmits infrared signals to IR-4 from any location \$80

### 9800 Series Powered Indoor Antenna

FM antenna with Schotz amplifier. Gamma-loop element for directional and omnidirectional reception, multipath and noise rejection. Amplifier 38 dB gain; 110 V or 220 V \$85

### 9400 Series Powered Indoor FM Antenna

FM tower-shaped antenna. Directional or omnidirectional operation; 360-degree range. 75-ohm imp adaptable to 300 ohms with matching transformer (included); operating band 88-108 MHz; amplifier gain adjustable 9 to 33 dB; twin-tone modulation distortion <1.0% at 100 mV; 110 V or 22 V. Black. 5 x 1 x 5 in \$50

9300. As above with amplifier gain adjustable 0-25 dB. Base: 3 x 4 1/4. Height: 17 1/4-in \$40

### 2000 Series FM + Indoor Antenna

5-in square antenna. Features unidirectional and omnidirectional applications; 360-degree range. 75 ohms imp adaptable to 300 ohms with matching transformer (included); operating band 88-108 MHz. 5 1/2 x 1 1/4 in \$20

## TICE AUDIO

### Power Block AC Powerline Conditioner

AC power-line conditioning system features 12-

# ACCESSORIES

gauge primary and secondary wiring. Floating-ground system isolates equipment from ground noise; user-adjustable filter parameters; six 15-amp nylon-faced outlets; 15-amp dual-element fuse. Input voltage 120 V, 60 Hz; output voltage 122 V (variable), 60 Hz; wattage capacity 1,875 W (15 amps), 75 amp peaks; voltage correction  $\pm 10\%$  ..... \$1,250  
**Titan Energy Storage System.** For above. Double Power Block's instantaneous peak current to 150 amps ..... \$1,000

**VVC-125 Variable Voltage Controller**  
 Allows vacuum-tube power amps and preamps to be turned on slowly over controlled period of time and at controlled rate of speed to reduce thermal shocks of vacuum tubes ..... \$750

**Micro Block AC Powerline Conditioner**  
 Features similar to the Power Block except power capability up to 250 W, 2 amp. Metalized film polypropylene capacitors used throughout; 8-ft, 14-gauge line cord. Designed for CD player, tuner, tape deck, or turntable; 3-position phase control; output indicator ..... \$575

## TRACKMATE

**TM 351 CD Cleaner.** Cleans CD's inside storage case. Features patented, nonabrasive brush ..... \$19.95  
**TM 451 Record Cleaner.** Dual-brush record cleaner removes dust, oils, and static electricity. Includes stylus cleaner ..... \$19.95  
**TM161 Cassette Cleaner/Demagnetizer.** Features cleaning-solution pen; cleaner/demagnetizer; jewelbox storage case ..... \$14.95  
**TM301 CD Shield.** Used to protect the recorded side of a CD from damage. Contains 10 shields and free CD case ..... \$14.95  
**TM 151 Tape-Head Cleaner.** Brushes clean above, below, and on tape path ..... \$9.95

## TREE DIMENSIONS

**CD-550 Cassette/CD Storage Unit.** Holds 552 CD's or 336 cassettes. Honey-oak ..... \$190  
**CD-250 Cassette/CD/Video Storage Unit.** Capacity of 260 CD's, or 160 cassettes. Honey-oak or black-matte ..... \$90  
**SP-10/SP-10B Speaker Stands.** 3-in to 24-in adjustable stands. Includes spikes for carpet. Honey-oak or black-matte ..... \$90/pr  
**SP-10B Black-matte** ..... \$100  
**V-75 Cassette/CD/Video Storage Unit.** Capacity of 208 CD's, 128 cassettes, or 80 videotapes. Honey-oak or black-matte ..... \$90  
**CD-130 Cassette/CD/Video Storage Unit.** Capacity of 133 CD's, 80 cassettes, or 17 videotapes. Honey-oak or black-matte ..... \$50  
**CD-80 Cassette/CD/Video Storage Cabinet.** Capacity of 88 CD's, 53 cassettes, or 17 videotapes. Removable sliding divider panel. Solid-oak ..... \$40  
**SR-02 Audio/Video Stack Racks.** Component rack system with ventilation to insure equipment cooling ..... \$40  
**V-30 Cassette/CD/Video Storage Unit.** Capacity of 88 CD's, 54 cassettes, or 34 videotapes; Solid-oak ..... \$40  
**V-15.** Capacity for 44 CD's, or 26 cassettes \$20

## VAMPIRE WIRE

### Connectors & Adaptors

**PBP.** Binding post. Brass-base metal, silver plated then gold plated. Includes mounting blocks. Two pairs ..... \$30/set  
**PY.** Y adaptor, one male to two female; Teflon dielectric with deep contact tube. Gold plated ..... \$20/pr  
**P90A.** Right-angle adaptor. Teflon dielectric

with deep contact tube. Gold plated ... \$17/pr  
**P558.** Gold-plated banana plug can be soldered or used with screws. Includes color-coded caps. For up to 8-gauge cables ..... \$12/pr  
**PM2F.** Female RCA chassis-mount connectors. Brass-base metal, silver plated then gold plated. Teflon dielectric. Inside mount .. \$12/pr  
**Outside mount** ..... \$15/pr  
**PDF.** Double female coupler; Teflon dielectric and 1-piece contact tube. Gold plated .. \$15/pr  
**PPP7.** Gold-plated, black-barrel, 1/4-in phono plug. For up to 6.5-mm dia. cable ..... \$15/pr  
**PSO.** 4% silver solder ..... \$10/oz

### Interconnects

**Vampire Wire CC Series II Interconnect.** Balanced design with 41 strands of copper conductors. Shielding is braid and continuous foil. 0.5 m-7 m ..... \$30/pr-\$100/pr  
**Vampire Wire CC Series Interconnect.** Coaxial design with 20-gauge, 154-strands copper conductor. Braided copper shield. 0.5 m-7 m ..... \$18/pr-\$60/pr

### Speaker Cable

**Model 2100 C.** 10-gauge wire with 1,050 strands of copper per conductor ..... \$2/ft  
**Model 826 C.** Features 12-gauge wire with 413 strands copper per conductor ..... \$1/ft  
**Model 210 C.** Features 16-gauge wire with 105 strands of copper per conductor ..... \$0.55/ft

### Interconnect Cable Connectors

#### Sound Connector Series

Strain relief is made by compression, 360° around the cable. Brass metal, silver plated then gold plated.  
 4mm-9mm diameter ..... \$15/pr-\$17/pr

#### Speaker Cable Connectors

Black body with gold-plated contacts and strain-relief springs.  
 5-mm diameter ..... \$10/pr

## VAN DEN HUL

### Interconnect Cable

**MC Silver.** Coaxial cable features crystal-stranded, silver-clad copper-center conductor. The dielectric is PTFE tape wound to be concentric. Shielding is braid and silver-plated copper ribbon. 0.5 m-7 m ..... \$650/pr-\$9,100/pr  
**MC Gold.** Balanced cable with two matched crystal-stranded conductors of silver-clad copper that have had each strand clad with gold. Shielding is braid and continuous foil clad. 0.5 m-7 m ..... \$200/pr-\$2,800/pr  
**Thunder Line.** Balanced cable with two matched crystal-stranded conductors of silver-clad copper in PTFE dielectrics. Shielding is braid and continuous foil clad. 0.5 m-7 m ..... \$180/pr-\$900/pr  
**D-102 Mk III.** Balanced cable with two matched crystal-stranded conductors of silver-clad copper. Shielding is braid and continuous foil. 0.5 m-7 m ..... \$100/pr-\$235/pr  
**D-300 Mk III.** Coaxial design with solid 22-gauge center conductor. Conductors are crystal-stranded and made of silver-clad copper. Shielding is braid and continuous foil. 0.5 m-7 m ..... \$50/pr-\$130/pr

### Speaker Cable

**SCS-2.** 2-gauge, 665-strand matched-crystal silver-clad copper, PTFE-insulated ..... \$120/ft  
**SCS-6.** 6-gauge, 133-strand matched-crystal silver-clad copper, PTFE-insulated ..... \$50/ft  
**Magnum.** 8-gauge, parallel, spaced, matched-crystal silver-clad copper ..... \$15/ft  
**D-352.** 10-gauge, parallel, spaced, matched-crystal silver-clad copper ..... \$8/ft

**CS-122.** 12-gauge, parallel, spaced, matched-crystal silver-clad copper ..... \$4/ft  
**Clearwater.** 14-gauge, parallel, spaced, matched-crystal silver-clad copper ..... \$3/ft

## VECTOR RESEARCH

**VRC-125 Universal Remote Control**  
 Programmable remote; 102 functions ..... \$80

## VIDEOLINK

### Remote-Control Extension Products

**270 Missing Link**  
 Remote-control system; sends infrared signals over UHF radio frequency to any room in house. Includes one 271 infrared receiver/UHF transmitter and one 272 UHF receiver/blast-IR. System operates up to 200 feet away from main audio/video location ..... \$100  
**271 Missing Link IR Receiver/UHF.** Individual expansion unit for linking 270 system to multiple, secondary rooms ..... \$60  
**272 Missing Link UHF Receiver/Blast-IR.** Same as above, only to main A/V center ..... \$50

**480 Dinky Link.** Miniature receiver that requires power supply and emitter. Works in normal 3-wire or 2-wire phantom mode. 2-wire phantom mode requires 792 power module \$80  
**170 Xtra Link.** Sends infrared control signals over existing coaxial cable. Includes 2 sender/emitters and power supply ..... \$75  
**780 Xtra Link.** As above, housed in standard J-box for mounting directly in wall. Requires power supply and emitter ..... \$70  
**288 Hidden Link Custom.** Works in 3-wire mode or 2-wire phantom mode. 2-wire phantom mode requires 792 power module. Separate eye and electronics; can interface with 780-type receiver. Requires power supply and emitter ..... \$75  
**298 Hidden Link.** As above, no separate eye and electronics ..... \$65  
**290 Hidden Link.** Small, shelf-mounted receiver. Sends infrared control signals over 2-conductor cord. Requires power supply and emitter ..... \$40  
**390 Blast-IR.** Shelf-top sender/emitter. Features 3 high-current infrared LEDs; output jack for external 179-95 or 281-00 emitters. Can be used with the 79000 connecting block. Requires power supply and emitter ..... \$40  
**380 Blast-IR.** As above but housed in standard J-box for mounting directly in wall ..... \$40

## WEBER WORKS

### Weber Wire Speaker Cable

Ribbon speaker cable features 10-gauge wire with impedances set at ratios of 1, 1.41, and 1.73; made of 684 individual strands of oxygen-free copper coated with pure silver. Current capacity of 100 amps rms, 500 amps peak. Available in 3 lengths; custom lengths available. 8-20 ft ..... \$650/pr-\$1,350/pr

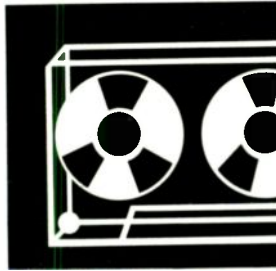
## YALE AUDIO

### "Set-It-to-Here" Position Markers

Adhesive vinyl appliques indicate desired component-control settings. Graphic elements include straight and curved arrows; arrows pointing to lines; pointing hands; switches; buttons in; buttons out. Useful for tone controls, etc. Black, red, or white ..... \$6.49

Abbreviations used within this buyers' guide are explained on pages 239-245.

# BLANK • TAPE



## BASF

### Digital Audio Tapes

Ultra-fine metallic pigment developed for helical-scan recording.

DAT C120, 120 min	\$11.99
DAT C90, 90 min	\$10.99
DAT C60, 60 min	\$9.99

### Metal Maxima IV Cassettes

Metal-particle tape formulation.

C120, 120 min	\$6.49
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### Chrome Maxima II Cassettes

High-density chrome tape formulation.

C90, 90 min	\$4.29
C60, 60 min	\$3.29

### Chrome Extra II Cassettes

Pure-chrome tape formulation.

C100, 100 min	\$3.29
C90, 90 min	\$2.99
C60, 60 min	\$2.69

### Ferro Maxima I Cassettes

Dual-layered and "micro-coated" tape formulation with proprietary megadum iron oxide. Provides MOL of almost 4 dB.

C90, 90 min	\$2.89
C60, 60 min	\$2.59

### Ferro Super I Cassettes

Iron-oxide formulation with high-frequency sensitivity for extended response.

C90, 90 min	\$2.54
C60, 60 min	\$1.94

### Ferro Extra I Cassettes

Iron-oxide formulation with extended S/N.

C100, 100 min	\$1.89
C90, 90 min	\$1.69
C60, 60 min	\$1.49

## CERTRON

Certron CTX. High-bias tape; 90 minutes.

2-pack	\$15
5-pack	\$7

## DENON

All Denon cassettes feature a lifetime warranty and head-cleaning leader.

### DAT Series

Ultrafine metallic-particle formula with special back-coating and precision mechanism.

R-120 DT, 120 min	\$12.99
R-90 DT, 90 min	\$10.99
R-60 DT, 60 min	\$8.99

### HDM Metal Cassettes

Pure-metal formulation featuring residual magnetic flux density of over 3,500 gauss and coercivity of 1,200 oersted.

HDM-100, 100 min	\$5.99
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HDM-90, 90 min	\$5.50
HDM-75, 75 min	\$4.99
HDM-60, 60 min	\$4.50

### HD8 High-Bias Cassettes

High-density formulation combining metal particles with cobalt-doped ferric oxide to achieve residual flux density of 3,000 gauss. MOL of -4.5 dB at 10 kHz.

HD8-100, 100 min	\$4.99
HD8-90, 90 min	\$4.75
HD8-75, 75 min	\$4.25
HD8-60, 60 min	\$3.75

### HD7 High-Bias Cassettes

Features extended high-frequency response and low noise. Residual flux density 1,850 gauss. MOL -6.5 dB at 10 kHz.

HD&-100, 100 min	\$4.25
HD7-90, 90 min	\$4
HD7-75, 75 min	\$3.50
HD7-60, 60 min	\$3

### HD6 High-Bias Cassettes

Features extended high-frequency response. Residual flux density 1,700 gauss. MOL -5.7 dB at 10 kHz.

HD6-100, 100 min	\$3.50
HD6-90, 90 min	\$3.25
HD-75, 75 min	\$2.75
HD6-60, 60 min	\$2.50

### S-Port 100-Min Cassettes

Metal formulation with 20% thinner case and rounded corners and edges.

S-Port Metal, 2-pk	\$6.99
S-Port High, 2-pk	\$4.99

### DX4 Ferric Normal-Bias Cassettes

Residual flux density 2,000 gauss. MOL -5.0 dB

DX4-90, 90 min	\$4
DX4-60, 60 min	\$3

### DX1 Ferric Normal-Bias Cassettes

Features -7.5 dB MOL at 10 kHz

DX1-90, 90 min	\$2.25
DX1-60, 60 min	\$1.75

## DIC

### R-DAT Cassettes

Fabricated with densely packed, ultra fine-grained magnetic metal particles.

120XR, 120 min	\$12
90XR, 90 min	\$10
60XR, 60 min	\$9
46XR, 46 min	\$8
30XR, 30 min	\$7
15XR, 15 min	\$6

## FUJI

### Digital Audio Tape

Super-Fine Metallix ultrafine metal magnetic-particle formulation.

DAT (R-120), 120 min	\$12.95
DAT (R-90), 90 min	\$11.95
DAT (R-60), 60 min	\$10.95

### FR Metal Series Cassettes

Metal tape with 70- $\mu$ sec EQ.

FR (C-90), 90 min	\$5.99
FR (C-60), 60 min	\$5.49

### FR-II PRO Series Cassettes

High-bias tape featuring a temperature-resistant cassette shell.

FR-II Pro (C-100), 100 min	\$5.49
FR-II Pro (C-90), 90 min	\$4.99
FR-II Pro (C-60), 60 min	\$4.49

### FR-IIx Series Cassettes

High-bias tape with 70- $\mu$ sec EQ.

FR-IIx (C-90), 90 min	\$3.99
FR-IIx (C-60), 60 min	\$3.49

### DR-II Series Cassettes

High-bias tape with 70- $\mu$ sec EQ.

DR-II (C-100), 100 min	\$3.49
DR-II (C-90), 90 min	\$2.99
DR-II (C-60), 60 min	\$2.49

### DR-I Series Cassettes

Normal-bias tape with 120- $\mu$ sec EQ.

DR-I (C-90), 90 min	\$1.99
DR-I (C-60), 60 min	\$1.49

## GE

All GE tapes carry a lifetime warranty.

### GE-HO Series

Normal-bias tape.

5-pack, 90 min	\$8.95
2-pack, 90 min	\$3.58
2-pack, 60 min	\$2.98

### GE-HBX Series

High-bias cobalt tape.

2-pack, 90 min	\$6.98
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### GE-HFX Series

Normal-bias ferric-oxide tape.

2-pack, 90 min	\$5.98
2-pack, 60 min	\$4.98

## JVC

### Digital Audio Tape

R-120, 120-min	\$14
R-100, 100-min	\$12.80
R-90, 90-min	\$12
R-60, 60-min	\$10

### Metal Cassettes

XFIV90, 90-min; EQ 70- $\mu$ s	\$3.90
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### High-Bias Cassettes

AF1190, 90-min; EQ 70- $\mu$ s	\$2.50
AF1160, 60-min	\$2.20

# BLANK • TAPE

<b>G1 Normal-Bias Cassettes</b>	
G190. 90 min	\$1.55
G160. 60 min	\$1.30

## LASER BY SWIRE MAGNETICS

<b>Laser XL Plus Normal-Bias Cassettes</b>	
C-90/10. 90 min; 10 pk	\$14.49
C-90. 90 min; 5 pk	\$7.29
90 min; 2 pk	\$2.89
C-60. 60 min; 2 pk with stereo head-phones	\$6.49
60 min; 5 pk	\$5.99
60 min; 2 pk	\$2.39

<b>Laser XL Plus High-Bias Cassettes</b>	
C-100. 100 min; 2 pk	\$3.89
C-76. 76 min; 2 pk	\$3.29

<b>Laser XL Normal-Bias Cassettes</b>	
C-90. Includes personal stereo; cassette wallet; 3 pk	\$8.99
C-90 Cassettes. Includes case; 3 pk	\$7.99
C-90. Includes hip pouch	\$7.99

<b>Laser XL Cassettes</b>	
C-90. 20-pk	\$10.99
C-60. 20-pk	\$8.19
C-60. 12-pk	\$4.99
C-90. 8-pk	\$4.99
C-60. 3-pk	\$1.49
C-90. 2-pk	\$1.49
C-90. 3-pk	\$1.79

## LORAN

<b>Pro-DAT Cassettes</b>	
<i>Made to custom lengths with 10-piece order.</i>	
Pro-DAT. 120-min	\$10.50
Pro-DAT. 60-min	\$7.50
Pro-DAT. 30-min	\$6
Pro-DAT. 10-min	\$5
Pro-DAT. 5-min	\$4.75

<b>ESQ Series</b>	
<i>High bias; polycarbonate shell.</i>	
ESQ-90. 90 min	\$4.99

<b>High-Bias Series</b>	
<i>High bias; polycarbonate shell; cobalt-doped magnetic formulation.</i>	
HB-90. 90 min	\$3.99
HB-60. 60 min	\$3.49
HB-46. 46 min	\$2.99

## MAXELL

<b>Digital Audio Tape</b>	
<i>Features Ceramic-Armor metal-particles.</i>	
R-120DM. 120 min	\$14.99
R-90DM. 90 min	\$12.99
R-60DM. 60 min	\$10.99
R-46DM. 46 min	\$8.99

<b>Metal Vertex</b>	
MV-90. 90 min	\$14.99

<b>MX Metal Cassettes</b>	
MX-100. 100 min	\$5.99
MX-90. 90 min	\$5.29
MX-60. 60 min	\$4.39

<b>XLII-S Epitaxial Cassettes</b>	
<i>High bias, 70-<math>\mu</math>sec EQ</i>	
60 min-100 min	\$3.59-\$4.99

<b>XL-II Epitaxial Cassettes</b>	
<i>Chrome type; high bias, 70-<math>\mu</math>sec EQ.</i>	
46 min-90 min	\$3.29-\$4.39

<b>UD-II Epitaxial Cassettes</b>	
<i>High bias, 70-<math>\mu</math>sec EQ.</i>	
46 min-90 min	\$2.49-\$3.29

<b>XLII-S Epitaxial Cassettes</b>	
<i>Normal bias, 120-<math>\mu</math>sec EQ.</i>	
60 min-90 min	\$3.59-\$4.39

<b>UD-I Epitaxial Cassettes</b>	
<i>Normal bias, 120-<math>\mu</math>sec EQ.</i>	
46 min-90 min	\$2.49-\$3.29

<b>UR Cassettes</b>	
<i>Normal bias, 120-<math>\mu</math>sec EQ.</i>	
60 min-120 min	\$1.49-\$2.79

<b>XLII Back-Coated Open-Reel Tapes</b>	
XLII 35-180B. 3,600 ft, 10 $\frac{1}{2}$ -in reel	\$38.99
XLII 35-90B. 1,800 ft, 7-in reel	\$13.99

<b>Ultra-Dynamic Open-Reel Tapes</b>	
UD35-180. 3,600 ft, 10 $\frac{1}{2}$ -in reel	\$31.29
UD35-90. 1,800 ft, 7-in reel	\$9.99

## MEMOREX BY MEMTEK

<b>CDX II High-Bias Cassettes</b>	
<i>Metal tape for use with 70-<math>\mu</math>sec setting.</i>	
C-90	\$4.79

<b>HBS II High-Bias Cassettes</b>	
<i>Ferric/cobalt tape for use with 70-<math>\mu</math>sec setting.</i>	
60 min-90 min	\$2.79-\$3.69

<b>HBS II High-Bias Cassettes</b>	
HBS II. C-100	\$2.59
HBS II. C-90	\$2.29
HBS II. C-76	\$1.99
HBS II. C-60	\$1.79
HBS II. C-46	\$1.59

<b>MRX I Normal-Bias Cassettes</b>	
<i>Full lifetime warranty; clear shell.</i>	
C-90	\$2.29
C-60	\$1.79

<b>Normal-Bias Cassettes</b>	
<i>Normal-bias tapes for general-purpose recording. Features clear shell.</i>	
C-120	\$1.99
C-90	\$1.49
C-60	\$1.19
C-46	\$1.10

## NIPPON

C60-BAG. 60-min; 3-pk	\$0.99
C90-BAG. 90-min; 2-pk	\$0.99
C60 + 2. 62-min; plastic box.	\$0.99

## REALISTIC BY RADIO SHACK

<b>Open-Reel Tape</b>	
<i>Supertape premium polyester base tape.</i>	
7-in reel; 3,600 ft; 0.5 mil; 1-9 tapes	\$12.99
7-in reel; 3,600 ft; 0.5 mil; 10+ tapes	\$10.39
7-in reel; 1,800 ft; 1.0 mil; 1-9 tapes	\$6.99
7-in reel; 1,200 ft; 1.5 mil; 1-9 tapes	\$5.99
7-in reel; 1,800 ft; 1.0 mil; 10+ tapes	\$5.59
7-in reel; 1,200 ft; 1.5 mil; 10+ tapes	\$4.79
5-in reel; 900 ft; 1.0 mil; 1-9 tapes	\$3.99
5-in reel; 900 ft; 1.0 mil; 10+ tapes	\$3.19

Concertape. Polyester base. 7-in reel; 1,800 ft; 1.0 mil	\$2.99
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*Cassette prices may vary according to quantity purchased, with lower prices for larger quantities.*

<b>MIV Metal Tape</b>	
<i>Fine-grain metal particles; 5-screw housing; hinged storage box.</i>	
60 min-90 min	\$4.99-\$5.99

<b>MII Metal High-Bias Tape</b>	
<i>Metal tape for recording and playback with</i>	

<i>Type II bias and EQ; head-cleaning leader.</i>	
MII-100. 100 min	\$4.99
MII-90. 90 min	\$4.79
MII-76. 76 min	\$4.49
MII-60. 60 min	\$3.99

<b>HD High-Definition Chrome-Equivalent Tape</b>	
<i>High-bias tape with head-cleaning leader; hinged storage box; index card.</i>	
HD-100. 100 min	\$3.69
HD-90. 90 min	\$2.99
HD-76. 76 min	\$2.79
HD-60. 60 min	\$2.49
HD-46. 46 min	\$2.39

<b>LN Low-Noise Standard Ferric Tape</b>	
<i>Hinged storage box with index card.</i>	
LN-120. 120 min. 2-pk	\$3.49
LN-90. 90 min. 2-pk	\$2.39
LN-60. 60 min. 2-pk	\$1.99
LN-30. 30 min. 2-pk	\$1.69

<b>XR Type I Premium Ferric Tape</b>	
<i>Hinged storage box with index card.</i>	
XR-120. 120 min	\$2.79
XR-90. 90 min	\$1.99
XR-60. 60 min	\$1.49
XR-46. 46 min	\$1.39

## SCOTCH BY 3M

Scotch XSM IV. Metal. 90 min	\$6
Scotch XS II. High bias. 90 min	\$4.20
Scotch CX. Normal bias. 90 min	\$3
Scotch BX. Normal bias. 90 min	\$2

## SONY

Metal Master-90. 90 min	\$11.99
-------------------------	---------

<b>ES Metal Series Cassettes</b>	
<i>Metal (70-<math>\mu</math>sec EQ).</i>	
ES-90. 90 min	\$9.99

<b>SR Metal Series Cassettes</b>	
SR-60. 60 min	\$3.49
SR-90. 90 min	\$3.99
SR-100. 100 min	\$4.49

<b>UX Series Cassettes</b>	
<i>High bias, 70 <math>\mu</math>sec EQ.</i>	

UX-Pro (C-90). 90 min	\$7.99
UX-Pro (C-60). 60 min	\$5.99
UX-ES (C-90). 90 min	\$5.49
UX-ES (C-60). 60 min	\$3.99
UX-ES (C-100). 100 min	\$4.59
UX-S (C-90). 90 min	\$3.99
UX (C-90). 90 min	\$3.29
UX-S (C-60). 60 min	\$2.99
UX (C-60). 60 min	\$2.49

<b>HF-S Series Cassettes</b>	
<i>Normal bias, 120-<math>\mu</math>sec EQ.</i>	
HF-S 90. 90 min	\$2.69
HF-S 60. 60 min	\$1.99

<b>HF Series Cassettes</b>	
<i>Normal bias, 120-<math>\mu</math>sec EQ.</i>	
HF 120. 120 min	\$2.99
HF 90. 90 min	\$2.29
HF 60. 60 min	\$1.79
HF 46. 46 min	\$1.49

<b>DT Series Digital Audio Tape</b>	
DT-90R. 90 min	\$15.20
DT-60R. 60 min	\$12.60
DT-120R. 120 min	\$18

## TDK

<b>MA-XG Metal-Alloy Cassettes</b>	
<i>Metal bias; 70-<math>\mu</math>sec EQ; dual-layer metal Fina-</i>	

# BLANK • TAPE

vinx particles; RS-III 5-piece mechanism to eliminate modulation noise.

MA-XG 90. 90 min	\$15
MA-XG 60. 60 min	\$18

## MA-X Metal-Alloy Cassettes

Metal bias; 70- $\mu$ sec EQ; ultrafine Finavinx metal magnetic particles; 2-layer, antiresonance mechanism.

MA-X 90. 90 min	\$5
MA-X 60. 60 min	\$4.25
MA-X 46. 46 min	\$4.25

## MA Metal-Alloy Cassettes

Metal bias; 70- $\mu$ sec EQ; Finavinx metal magnetic formulation; dual-layer, antiresonance mechanism.

MA-110. 110 min	\$5.25
MA-90. 90 min	\$5
MA-60. 60 min	\$3.50

## SA-X High-Bias Cassettes

Dual-coated Super-Avilyn formulation; 2-layer antiresonance mechanism.

SA-X 100. 100 min	\$4.50
SA-X 90. 90 min	\$3.50
SA-X 60. 60 min	\$3
SA-X 46. 46 min	\$3

## SA High-Bias Cassettes

Super Avilyn magnetic particles; dual-layer, antiresonance cassette shell.

SA 100. 100 min	\$4
SA 90. 90 min	\$3
SA 80. 80 min	\$2.75
SA 60. 60 min	\$2.50
SA 46. 46 min	\$2.50

## SD High-Bias Cassettes

Avilyn magnetic particles; H-type multiface shell to reduce resonance.

SD 100. 100 min	\$3.00
SD 90. 90 min	\$2.50
SD 60. 60 min	\$2.25
SD 46. 46 min	\$2.25

## AR-X Normal-Bias Cassettes

Dual-coated Avilyn formulation; two-layer, antiresonance cassette shell to reduce vibration.

AR-X 90. 90 min	\$3
AR-X 60. 60 min	\$2.50

## AR Normal-Bias Cassettes

Ferric magnetic particles.	
AR-100. 100 min	\$3.50
AR-90. 90 min	\$2.75
AR-60. 60 min	\$2.50

## AD Normal-Bias Cassettes

Ferric particles.	
AD-90. 90 min	\$2.50
AD-60. 60 min	\$2.25

## D Normal-Bias Cassettes

Ferric magnetic particles.	
D-120. 120 min	\$2.50
D-90. 90 min	\$2
D-60. 60 min	\$1.75
D-46. 46 min	\$1.60
D-30. 30 min	\$1.50

## DA Digital Audio Tape

Super Finavinx pure-metal particle formulation.

DA-R120. 120 min	\$14
DA-R90. 90 min	\$12
DA-R60. 60 min	\$10

## THAT'S

### Suono Metal Series Cassettes

Metal-coated shell contains rubber and metal

to absorb modulation and vibrations.

Suono 90. 90 min	\$13.10
Suono 74. 74 min	\$11.49
Suono 60. 60 min	\$9.44
Suono 46. 46 min	\$8.10

## CD-IV Metal Cassettes

Metal-coated; shell contains rubber and metal to absorb modulation and vibrations.

CD-IV 100. 100 min	\$7.35
CD-IV 90. 90 min	\$5.99
CD-IV 74. 74 min	\$5.79

## CD-MH High-Bias Cassettes

Made of pure metal; AVR shell dampens any vibration or excess noise.

CD-MH 100. 100 min	\$5.79
CD-NH 90. 90 min	\$5.31
CD-NH 74. 74 min	\$4.75

## AS-IV Metal Cassettes

AS-IV 100. 100 min	\$5.37
AS-IV 90. 90 min	\$4.93
AS-IV 60. 60 min	\$4.38

## CD-II High-Bias Cassettes

CD-II 100. 100 min	\$5.10
CD-II 90. 90 min	\$4.51
CD-II 74. 74 min	\$4.13

## CD Normal-Bias Series Cassettes

CD 100. 100 min	\$3.95
CD 90. 90 min	\$2.83
CD 74. 74 min	\$2.91

## AS-II High-Bias Series Cassettes

AS-II 100. 100 min	\$3.57
AS-II 90. 90 min	\$3.15
AS-II 60. 60 min	\$2.91

## 3M BLACK WATCH

### DAT Digital Cassettes

Series 7707 tape features proprietary pure-metal-particulate magnetic formulation.

DT-120. 120 min	\$20
DT-100. 100 min	\$17
DT-50. 50 min	\$15

### 1007 Open-Reel Studio Mastering Tape

10 $\frac{1}{2}$ -in reel, (1.0 mil, 3,600 ft)	\$25
7-in reel, (1.0 mil, 1,800 ft)	\$15

### 1006 Open-Reel Studio Mastering Tape

10 $\frac{1}{2}$ -in open-reel mastering tape(1.5 mil, 2,500 ft)	\$20
7-in open-reel mastering tape(1.5 mil, 1,200 ft)	\$10

### Audio Cassettes

Series 4040 (Type IV) tape uses an oxide-free extended range pure-metal-particulate magnetic formulation.

100 min	\$9
74 min	\$7

Series 2020 tape (Type II, high bias) uses a metal-particulate suspension formulation that combines pure metal particles with cobalt-modified ferric oxide.

100 min	\$6
74 min	\$4

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. Manufacturers' addresses and phone numbers are listed in the directory beginning on page 231.

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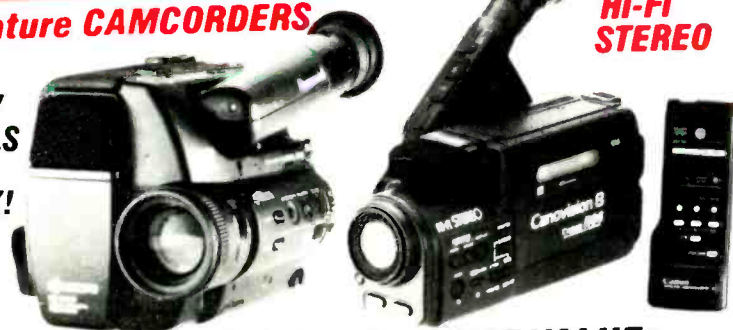
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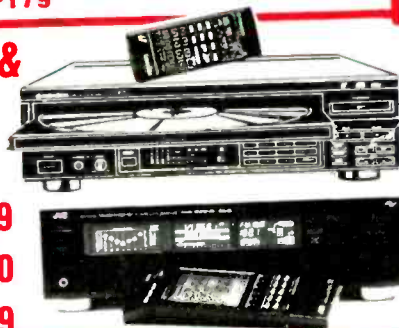
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570 Mt. Pleasant Ave.  
Dover, NJ 07801  
(201) 361-5400

**Catalog It**  
1000 S. Main St., Ste. 603  
Salinas, CA 93901  
(408) 442-0613

**CDE**  
7700 Old Branch Ave., Ste. C102  
Clinton, MD 20735  
(301) 868-7059

**Celestion**  
89 Doug Brown Way  
Holliston, MA 01746  
(508) 429-6706

**Cello**  
315 Peck St.  
New Haven, CT 06513  
(203) 865-1237

**Cerca**  
11572 Donovan Rd.  
Los Angeles, CA 90720  
(213) 596-9540

**Certron**  
1651 S. State College Blvd.  
Anaheim, CA 92806  
(714) 634-4280

**Cerwin-Vega**  
555 E. Easy St.  
Simi Valley, CA 93065  
(805) 584-9332

**Chapman Sound**  
Box 140  
Vashon, WA 98070  
(206) 463-3008

**Cicena**  
584 Broadway #901  
New York, NY 10012  
(212) 941-6767

**Citizen**  
2020 Santa Monica Blvd., Ste. 410  
Santa Monica, CA 90404  
(213) 828-8245

**Classe Audio**  
9414 Cote de Liesse Rd.  
Montreal, Quebec, Canada H8T 1A1  
(514) 636-6384

**Clements**  
76th St. Clair Ave. W., 4th Fl.  
Toronto, Ontario, Canada M4V W2  
(416) 967-1622

**Click Case (see Outer Circle)**

**Coast**  
200 Corporate Blvd. S.  
Yonker, NY 10701  
(212) 324-4656

**Conrad-Johnson**  
2800R Dorr Ave.  
Fairfax, VA 22031  
(703) 698-8581

**Convergent Audio Technology**  
24 Falcon Dr.  
West Henrietta, NY 14586  
(716) 359-2700

**Counterpoint**  
2610 Commerce Dr.  
Vista, CA 92083  
(619) 598-9090

**Creative Point**  
4045 Clipper Ct.  
Fremont, CA 94538  
(415) 659-8222

**Creative Woodworking**  
Box 747  
Nutley, NJ 07110  
(800) 432-8005

**Creek Audio (see Music Hall)**

**Crown**  
Box 1000  
Elkhart, IN 46515-1000  
(219) 294-8000

**Crown Japan by UCM**  
19300 S. Susana Rd.  
Compton, CA 90221  
(213) 639-5055

**CSI**  
Box 2727  
Oakland, CA 94602  
(415) 531-8725

**Custom Woodwork & Design**  
5200 W. 73rd St.  
Bedford Park, IL 60638  
(708) 563-1745

**D'Ascanio Audio**  
11450 Overseas Highway  
Marathon, FL 33050  
(305) 743-7130

**Dahlquist**  
601 Old Willets Path  
Hauppauge, NY 11788  
(516) 234-5757

**Dana Audio**  
Box 1, Austin, TX 78767  
(512) 251-7701

**Day Sequerra**  
Box 95707  
Hoffman Estates, IL 60195  
(708) 843-1797

**DB Systems**  
Main St., Box 460  
Rindge Center, NH 03461  
(603) 899-5121

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Sunnyvale, CA 94086  
(408) 720-9800

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Ann Arbor, MI 48108  
(313) 994-8481

**Decoursey**  
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Culver City, CA 90230  
(213) 397-9668

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Baltimore, MD 21117  
(800) 228-7148

**Denneen Electrostatics**  
715 Hale St., Beverly, MA 01915  
(508) 927-2521

**Denon**  
222 New Rd., Parsippany, NJ 07054  
(201) 575-7810

**Design Acoustics**  
1221 Commerce Dr.  
Stow, OH 44224  
(216) 686-2600

**Designtech**  
7401 Fullerton Rd.  
Springfield, VA 22153  
(703) 866-2000

**Desktop Loudspeaker Systems**  
Box 14526, Wm. Chick Station  
Kansas City, MO 64124  
(816) 231-1983

**DIC**  
2 University Plaza  
Hackensack, NJ 07601  
(201) 487-4605

**Digital Supply Corporation**  
222 Bridge Plaza S.  
Fort Lee, NJ 07024  
(201) 224-9344

**Direct Sound**  
150 Fifth Ave., Ste. 845  
New York, NY 10011  
(212) 691-9050

**Discrete Technology**  
3395 Long Beach Rd.  
Oceanside, NY 11572  
(516) 764-1121

**Discwasher**  
4310 Transworld Rd.  
Schiller Park, IL 60176  
(708) 678-9600

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New Brighton, MN 55112  
(612) 635-0828

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Natick, MA 01760  
(508) 655-1532

**Emerson**  
One Emerson Lane  
North Bergen, NJ 07047  
(201) 854-6600

**Eminent Technology**  
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Tallahassee, FL 32301  
(904) 575-5655

**Encore**  
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Grandview, MO 64030  
(816) 763-8057

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Scarborough, Ontario  
Canada M1X 1G5  
(416) 321-1800

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Northridge, CA 91325  
(818) 892-3224

**Epik Monitor Systems**  
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Walnut Creek, CA 94595  
(415) 930-9104

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**Esoteric Audio**  
R.R. 3, Box 262  
Winder, GA 30680  
(404) 867-6300

**Esoteric Sound**  
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Downers Grove, IL 60515  
(708) 960-9137

**ESS**  
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Rancho Cordova, CA 95742  
(916) 852-0906

**Euphonic Technology**  
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Ridgefield, CT 06877  
(204) 431-6434

**Eurosound**  
1060 Main St.  
River Edge, NJ 07661  
(201) 489-2772

**Eurostat**  
1132 East Ave.  
Rochester, NY 14607  
(716) 473-2571

**Expressive Technologies**  
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Holliston, MA 01746  
(508) 429-8911

**Fenton Audio**  
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(617) 542-8161

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**Forte Audio (see Threshold)**

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Philadelphia, PA 19151  
(215) 473-7474

**Fuji**  
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Elmsford, NY 10523  
(914) 789-8100

**G&B Tools (see Artech)**

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Indianapolis, IN 46206  
(317) 267-5000

**Geneva**  
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Plymouth, MN 55441  
(612) 546-5620

**GNP**  
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Pasadena, CA 91106  
(818) 577-7767

**Goldring (see Music Hall)**

**Gold Sound**  
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Englewood, CO 80151  
(303) 761-6483

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(see Int'l Audio Technology)

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Huntington, NY 11743  
(516) 427-4813

**Goldstar**  
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Englewood Cliffs, NJ 07632  
(201) 816-2000

**Goodman of England/Teamco**  
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Denver, CO 80202  
(303) 293-9737

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Brooklyn, NY 11220  
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**Gran Prix Electronics**  
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St. Louis, MO 63102  
(800) 621-3314

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(415) 361-1611

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St. Louis, MO 63146  
(314) 567-5249

**Guss Enterprises**  
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New York, NY 10025  
(212) 580-7401

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(602) 967-3565

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Fremont, CA 94538  
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Woodbury, NY 11797  
(516) 496-3400

**Hartley**  
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Wilmington, NC 28405  
(919) 763-7422

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St. Joseph, MI 49085  
(616) 982-5642

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North Bergen, NJ 07047  
(201) 662-2000

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(215) 822-2114

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(603) 464-3999

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Billerica, MA 01821  
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Chatsworth, CA 91311  
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(516) 293-1500

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Phoenix, AZ 85008  
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Northbrook, IL 60062  
(708) 498-4648

**Jasco**  
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Oklahoma City, OK 73101  
(800) 654-8483

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Woodbury, NY 11797  
(516) 496-3400

**Jeff Rowland**  
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Colorado Springs, CO 80933  
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**Jensen**  
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Lincolnshire, IL 60069  
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**John Marovskis**  
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Bronx, NY 10461  
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Knoxville, TN 37917-3120  
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Chantilly, VA 22021  
(703) 830-7625

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Long Beach, CA 90801-5745  
(213) 639-9000

**Kevro**  
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Sun Valley, CA 91352  
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Hope, AR 71801  
(501) 777-6751

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Olympia, WA 98501  
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Deerfield, FL 33442  
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**Kort Audio**  
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Minneapolis, MN 55454  
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**Koss**  
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Milwaukee, WI 53212  
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**Krell**  
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Wallingford, CT 06492  
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Santa Fe Springs, CA 90670  
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Livermore, CA 94550  
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N. Hollywood, CA 91605  
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**Lazer-Tech**  
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Spokane, WA 99218  
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Bloomfield, NJ 07003  
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(617) 762-0202

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Indianapolis, IN 46256  
(317) 849-7103

**Loran**  
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Warren, PA 16365  
(800) 633-0455

**LRS**  
6 Grove St.  
Dover, NH 03820  
(603) 749-1904

**LT Sound**  
7980 LT Parkway  
Lithonia, GA 30058  
(404) 482-4724

**Luxman**  
Box 2859  
Torrance, CA 90509  
(800) 421-2284

**Madison Fielding**  
200 William St.  
Port Chester, NY 10573  
(914) 939-4600

**Madrigal**  
Box 781, 2081 S. Main St.  
Middletown, CT 06457  
(203) 346-0896

**Magnavox**  
1 Philips Dr., Box 14810  
Knoxville, TN 37914  
(615) 521-4316

**Magnepan**  
1645 Ninth St.  
White Bear Lake, MN 55110  
(612) 426-1645

**Magnum Dynalab**  
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Bowmansville, NY 14026  
(716) 684-0460

**Marantz**  
700 N. Commerce St., Box 2066  
Aurora, IL 60507-2066  
(708) 820-4800

**Marchand**  
1334 Robin Hood Ln.  
Webster, NY 14580  
(716) 265-4930

**Mark Levinson (see Madrigal)**

**Marshall**  
Box 2027  
Culver City, CA 90230  
(213) 390-6608

**Martin-Logan**  
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Lawrence, KS 66046  
(913) 749-0133

**Maxell**  
22-08 Rte. 208 S.  
Fair Lawn, NJ 07410  
(201) 794-5900

**MB Quart**  
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Walpole, MA 02081  
(508) 668-8973

**McIntosh**  
2 Chambers St.  
Binghamton, NY 13903-2699  
(607) 723-3512

**McNeill**  
417 Temple Rd.  
Monaca, PA 15061-2843  
(412) 375-9203

<p><b>MDS</b> 445 E. 17th St. Costa Mesa, CA 92627 (714) 675-3832</p> <p><b>Melos Audio</b> 723 Bound Brook Rd. Dunellen, NJ 08812 (201) 968-4748</p> <p><b>Memorex by Memtek</b> Box 901021 Fort Worth, TX 76101 (817) 354-8247</p> <p><b>Meridian</b> 14120-K Sullyfield Circle Chantilly, VA 22021 (703) 818-3028</p> <p><b>MFA</b> 2518 Seaboard Ave. San Jose, CA 95131 (408) 274-5679</p> <p><b>JA Michell Engineering (see Artech)</b></p> <p><b>Miller &amp; Kreisel (M&amp;K)</b> 10391 Jefferson Blvd. Culver City, CA 90232 (213) 204-2854</p> <p><b>Mirage</b> 3641 McNicoll Ave. Scarborough, Ontario Canada M1X 1G5 (416) 321-1800</p> <p><b>Mission</b> 440 Discovery Park Burnaby, BC Canada V5G 4M1 (604) 432-7727</p> <p><b>MIT</b> (see Transparent Audio Marketing)</p> <p><b>Mitsubishi</b> 5757 Plaza Dr., Box 6007 Cypress, CA 90630-0007 (714) 220-2500</p> <p><b>MM Newman</b> 24 Tioga Way, Box 615 Marblehead, MA 01945 (617) 631-7100</p> <p><b>Modern Audio Consultants</b> 112 Swanhill Ct. Baltimore, MD 21208 (301) 486-5975</p> <p><b>Mod Squad</b> 542 N. Highway 101 Leucadia, CA 92024 (619) 436-7666</p> <p><b>Mondial</b> 2 Elm St., Ardsley, NY 10502 (914) 693-7199</p> <p><b>Monitor (see Kevro)</b></p> <p><b>Monster Cable</b> 274 Wattis Way S. San Francisco, CA 94080 (415) 871-6000</p> <p><b>Mordaunt-Short</b> 1225 17th St., Ste. 1430 Denver, CO 80202 (303) 293-9737</p> <p><b>Morel</b> 414 Harvard St. Brookline, MA 02146 (617) 277-6663</p> <p><b>Motif (see Conrad-Johnson)</b></p> <p><b>Museatex</b> 6605 Thimens Ville St. Laurent, Quebec Canada H4S 1W2 (514) 333-6661</p> <p><b>Music &amp; Sound Imports</b> 450B Pike Rd. Huntingdon Valley, PA 19006 (215) 953-9222</p> <p><b>Music Hall</b> 108 Station Rd., Great Neck, NY 11023 (516) 487-3663</p> <p><b>NAD (see Lincolnwood)</b></p>	<p><b>NAIM</b> 1748 N. Sedgwick St. Chicago, IL 60614 (312) 944-0255</p> <p><b>Nakamichi</b> 19701 S. Vermont Ave. Torrance, CA 90502 (213) 538-8150</p> <p><b>Nelson-Reed</b> 15810 Blossom Hill Rd. Los Gatos, CA 95032 (408) 356-3633</p> <p><b>New England Audio Resource (NEAR)</b> 679 Lisbon Rd. Lisbon Falls, ME 04252 (207) 353-7307</p> <p><b>Niles</b> 12331 SW 130th St. Miami, FL 33186 (305) 238-4373</p> <p><b>Nippon</b> 210 Hanse Ave. Freeport, NY 11520 (516) 623-7400</p> <p><b>Nitty Gritty Record Care</b> 4650 Arrow Highway, #F4 Montclair, CA 91763 (714) 625-5525</p> <p><b>Norse Products</b> 10525 Florida Ave., Ste. 123 Bloomington, MN 55438 (612) 944-5012</p> <p><b>Novak</b> Merritts Island Road Pine Island, NY 10969 (914) 258-4363</p> <p><b>Now Hear This (NHT)</b> 536 Stone Rd., Ste. H Benicia, CA 94510 (707) 747-0151</p> <p><b>NRG Control</b> Box 389 Walled Lake, MI 48088 (313) 624-6670</p> <p><b>Numark</b> 503 Newfield Ave., Raritan Ctr. Edison, NJ 08837 (201) 225-3222</p> <p><b>Octave Research</b> 183-08 Camden Ave. St. Albans, NY 11412 (718) 454-5739</p> <p><b>Odeon</b> 12461 Tibbetts St. Sylmar, CA 91342 (818) 367-3379</p> <p><b>Ohm</b> 241 Taaffe Pl. Brooklyn, NY 11205 (718) 783-1111</p> <p><b>Onix (see Music Hall)</b></p> <p><b>Onkyo</b> 200 Williams Dr. Ramsey, NJ 07446 (201) 825-7950</p> <p><b>Optimus (see Tandy)</b></p> <p><b>Optonica (see Sharp)</b></p> <p><b>Ora</b> 9410 Owensmouth Ave. Chatsworth, CA 91311 (818) 772-2700</p> <p><b>Oracle</b> 355 Power Rd., Edmuntston. New Brunswick, Canada E3V 3K6 (506) 735-1080</p> <p><b>Ortofon</b> 122 Dupont St. Plainview, NY 11803 (516) 349-9180</p> <p><b>Otari</b> 378 Vintage Park Dr. Foster City, CA 94404 (415) 341-5900</p>	<p><b>Outer Circle Products</b> Box 3667, Chicago, IL 60654 (312) 266-8820</p> <p><b>Owi</b> 1160 Mahalo Pl. 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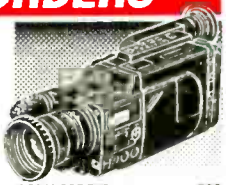
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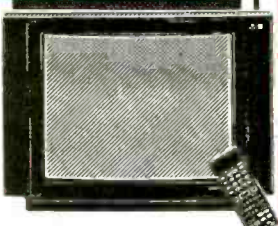
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# AUDIO GLOSSARY

*Note: Words in italics are defined elsewhere in the glossary.*

**AC (alternating current):** The current available from the power outlets in American homes; it alternates direction sixty times a second.

**acoustic-suspension:** A type of *infinite-baffle speaker* that uses the air pressure inside a sealed speaker box to control driver motion.

**AM (amplitude modulation):** A technique commonly used in radio that conveys information by varying the strength of a high-frequency "carrier" signal. Most AM broadcasts are in *mono*, but many stations are adding equipment to broadcast *stereo* AM programs; you must have a *stereo AM tuner* to receive them in stereo.

**AM rejection (AM rej):** A measurement of a *tuner's* ability to suppress changes in an *FM signal's* amplitude caused by *multipath* and other types of interference; higher figures are better.

**amplifier:** A separate component, or a section built into an integrated component, that strengthens the electrical signal (increases its amplitude). A *power amplifier* must be connected to a *preamplifier* (or "control amplifier") to switch and process the sound. An *integrated amplifier* combines power-amplifier and preamplifier functions in the same unit; a *receiver* adds a *tuner* to that configuration.

**analog:** A type of audio component or recording medium that operates with signals whose waveforms are directly analogous to the sounds they represent; see *digital*.

**antenna:** A metallic wire or rod that receives radio or television broadcast signals over the air and sends them to a *tuner* for processing.

**automatic turntable:** One that sets the *stylus* onto a *record* to begin play and removes it at the end of play without the user having to touch the *tonearm*.

**autoreverse:** A feature of some *cassette decks* that enables them to play or record both sides of a *cassette* without the user having to turn it over manually.

**AUX (auxiliary):** An input jack found on some *receivers*, *integrated amplifiers*, and *preamplifiers* that can be used to connect line-level *source* components such as a *CD player* but not *turntables*, which require special *phono* inputs.

**azimuth:** The angle between the magnetic gap of a tape head and the edge of the audio tape. Although the azimuth angle is theoretically set at 90 degrees, azimuth often varies from one tape deck to another.

**balance:** A control found on most *receivers*, *integrated amplifiers*, and *preamplifiers* that changes the relative volume of the left and right channels.

**band:** A particular segment of a *frequency* spectrum. For example, a *graphic equalizer* may divide the audio frequency spectrum into ten bands, with one control to adjust the relative volume of each band. The *AM* and *FM* bands are distinct parts of the *RF (radio frequency)* spectrum.

**bass:** The lower *frequencies* in the audio spectrum, such as those produced by a string bass or bass guitar. An instrument producing bass tones vibrates air more slowly than one producing *treble* tones.

**bass reflex:** A type of *speaker* system that has an opening, called a *vent* or *port*, in its enclosure so that the sounds produced by the backward motion of the bass *driver(s)* reinforce those produced by their forward motion, which come out of the front in a *band* near the bottom of their range.

**belt drive:** A method of rotating the platter of a *turntable* by means of a belt that connects the *turntable's* motor to the platter.

**bias:** A very high-frequency signal added to an audio signal being recorded on tape to reduce *distortion*. Type I (normal or ferric) tape requires less bias than Type II (chrome or chrome-equivalent) or Type IV (metal) tape.

**cantilever:** The rod or tube in a *phono cartridge* that supports the *stylus* and transfers its motion to the cartridge's signal-generating elements.

**capstan:** A rotating shaft in a tape recorder that pulls the tape across the *heads*. The tape usually travels between the capstan and a pinch-roller. A dual-capstan machine has capstans at each end of the head block; see *closed-loop*.

**capture ratio:** An important *specification* for an *FM tuner*, it indicates the minimum ratio between the strengths of two *FM signals* at the same *frequency* that enables the tuner to suppress the weaker signal by 30 *db*. Smaller numbers indicate better performance.

**cardioid:** A heart-shaped polar response of a *microphone* that is sensitive to sounds arriving from the front and sides.

**cartridge (phono cartridge):** A small component mounted on the end of the *tonearm* in a *turntable*; it holds the *stylus*, which vibrates in the *record* groove. The cartridge converts the vibrations into a changing electrical voltage, or audio signal.

**cassette:** A kind of magnetic-tape cartridge containing two reels.

**cassette deck:** An *analog* component that uses standard-size audio *cassettes* for recording and playback; also known as a tape deck. Audio signals are recorded onto, or played back from, the magnetic tape contained in the cassette; see *heads*.

**CD (compact disc):** A 4.8-inch metalized plastic disc that stores up to 80 minutes of *digitally* recorded music. The nonrecordable disc contains mi-

crossed pits that are read by an optical laser pickup in a *compact disc player*. Each pit represents digitally encoded audio information.

**CD (compact disc) player:** A digital audio component based on the *PCM* recording system that plays back *compact discs*. Unlike *turntables*, which play back vinyl records, a CD player has no *stylus* and therefore makes no contact with the disc. Rather, a laser mechanism optically reads information contained on the CD.

**CD-3 (CD single):** A 3-inch CD that stores up to 20 minutes of *digitally* recorded music.

**CD video (CDV):** A *compact disc* that combines as much as 20 minutes of *digital* audio with approximately 5 minutes of video. CDV's are gold-colored to distinguish them from silver-colored, audio-only CD's.

**channel:** A distinct path for an audio signal. Stereo signals consist of two channels, left and right, which are sent to left and right *speakers* (or headphones), respectively (see *separation*). A *surround-sound* system adds one or more additional channels, usually for the rear. *Mono* (or *monophonic*) signals have only one channel.

**closed-loop:** A drive system used in tape decks in which the tape is pulled by dual *capstans*, one on either side of the *heads*, so the part of the tape being played or recorded is held taut and fully isolated from the hubs.

**compliance:** A measurement of how easily the *stylus* of a *phono cartridge* can be moved by the grooves of a *record*. A high-compliance cartridge has a more flexible *cantilever* suspension than a low-compliance cartridge.

**crossover (crossover network):** A circuit that divides lower-frequency sounds from higher-frequency ones. A crossover is used in a *speaker* that has more than one *driver*. In a two-way speaker system, the crossover sends the low frequencies to the *woofer* and the high frequencies to the *tweeter*. Crossovers are also available as separate components.

**crossover frequency (crossover point):** In a *crossover network*, the frequency at which audio signals are divided so they can be routed to the appropriate *driver* (low frequencies to a *woofer* and high frequencies to a *tweeter*, for example).

**D/A (digital-to-analog) converter:** An electrical circuit that converts a binary code (or *digital word*) into an equivalent *analog* voltage. Most *CD players* use multibit converters with 16-, 18-, or 20-bit resolution. This type of converter reconstructs an analog music waveform sample by sample; the voltage of each sample is determined by the sum of the values represented in a digital word. In digital audio, a word normally is 16 bits long. Some recent players use *1-bit converters*.

**damping:** The application of mechanical resistance, such as a rubber or silicone material to the *cantilever* pivot of a *phono cartridge*, to reduce the amplitude of a resonance; also applied in *speakers*.

**DAT (digital audio tape):** A *cassette* that is about half the size of a standard audio cassette. The cassette shell of prerecorded DAT's houses a reel of magnetic tape that contains high-quality, *digitally* encoded audio information; blank DAT's can be used for high-quality recording at home.

**DAT (digital audio tape) deck:** A *digital* recording/playback component that is based on the *PCM* recording system. Digitally encoded audio information is recorded onto, and retrieved from, magnetic tape. DAT recorders make tapes that rival the *CD* in sound quality.

**dB (decibel):** The common unit used to measure the difference between two levels of sound or electrical signal. The decibel is a logarithmic expression of the ratio of two such levels. When *sound-pressure level (SPL)* is measured in decibels, for example, a whisper is about 40 dB and a jet engine about 120 dB. An increase of 10 dB represents a tenfold increase in power: It takes ten times as much energy to produce an SPL of 80 dB as one of 70 dB, even though 80 dB is subjectively only about twice as loud as 70 dB. Doubling the power raises the SPL by about 3 dB; cutting the power in half reduces the volume about 3 dB. Doubling or halving the volume results in an SPL change of about 10 dB.

**dbf:** One *decibel* referred to a standard power level of 1 femtowatt (one quadrillionth of a watt).

**dbx:** Ordinarily, a *noise-reduction* system—more precisely known as dbx II—developed by dbx, Inc., and used in some *cassette decks*. This system reduces the *dynamic range* of the

audio signal during recording, making the soft parts of the music louder and the loud parts softer. During playback, the processing is reversed, restoring the original dynamic range and reducing the *noise* added by the tape. The dbx I system is used in professional studio tape recorders. Another type of dbx noise reduction is used in the *MTS* stereo-TV broadcasting system.

**DC (direct current):** Electricity that flows in one direction only; see *AC (alternating current)*.

**de-emphasis:** A form of *equalization* used in *FM tuners* that is complementary to a pre-emphasis used in transmission. The purpose is to improve the overall *SIN (signal-to-noise ratio)* while maintaining uniform *frequency response*. Some *compact discs* also are processed with a high-frequency preemphasis; these discs automatically engage de-emphasis circuits in the player.

**defeat:** To bypass a *signal-processing* feature, removing it entirely from the circuit. *Tone controls* are sometimes accompanied by a tone-defeat switch, which enables the user to eliminate their effects without changing their settings, allowing easy comparisons of the sound with and without tone-control modifications.

**digital:** A digit is a number, and digital components use numbers in some way. A *digital tuner*, for example, may use numbers only on its front-panel display, or it may use digital-synthesis tuning circuits. *Compact discs* contain a pattern representing a series of binary numbers (strings of ones and zeros); a *CD player* converts these numbers into a continuously changing voltage that represents the sound of the master recording. *Digital audio tape (DAT)* recorders turn *analog* input signals into binary numbers and record these on tape; for playback, the numbers are read from the tape and converted into an analog signal.

**dipole:** A type of *speaker* that radiates as much sound from its rear as from its front but with opposite polarity.

**dipole antenna:** A type of *antenna* that receives radio broadcasts from two directions. A T-shaped, folded dipole antenna is often supplied when you buy a *tuner* or *receiver*.

**direct-drive:** A method of rotating a *turntable* platter by using the motor shaft as the platter spindle.

**dispersion:** The spread of a *speaker's* output, measured in degrees.

**distortion:** An unwanted alteration in an audio *signal*; also see *THD* (*total harmonic distortion*), *noise*, and *IM* (*intermodulation distortion*).

**dither:** Very low-level *noise* added to a signal being digitized to reduce the high-order *distortion* caused by *quantizing* very low-level audio signals. See *quantization*.

**Dolby B and Dolby C:** *Noise-reduction* (*NR*) systems designed and licensed by Dolby Laboratories for use in consumer tape recorders. These encode/decode systems work by making high-frequency sounds stronger during recording and softer during playback. Dolby C is more effective than Dolby B, but Dolby B is more common.

**Dolby HX Pro:** A special circuit for tape recorders—the HX stands for headroom extension—that lowers the amount of *bias* added during recording when the *signal* being recorded already has a lot of high frequencies. This allows high frequencies to be recorded at higher levels with less *distortion*.

**Dolby Surround:** A system developed for movie theaters, now available in some signal processors, *preamplifiers*, *integrated amplifiers*, and *receivers*, that adds two more audio channels (center-front and rear) to the ordinary *stereo* channels. To derive the extra channels, a decoder adds the left- and right-channel *signals* together for the center-front channel and subtracts them from each other for the rear channel, usually sent to two rear *speakers*.

**driver:** Any individual *speaker* within a system, such as a *woofer* or *tweeter*.

**dubbing:** The process of making a recording of another recording. A dubbing *cassette deck* can record from one tape in one *transport* to another in a second *transport*. Dubbing can be done with two single-*transport* decks or one dual-*transport* deck.

**dynamic range:** The difference, in *decibels* (*dB*), between the softest and the loudest possible sounds that a component can produce. Higher ratings are better because they indicate that the component can more accurately reproduce the full dynamics of recorded music played through it.

**effective mass:** A measurement of how a *tonearm* resists motion—its rotational inertia at the distance from the *stylus* to the pivot. The effective mass of the *tonearm* and *cartridge* together and the *stylus compliance* determine the frequency of the arm/*cartridge* resonance.

**efficiency:** The percentage of the electrical input power to a *speaker* that is converted to acoustic energy. Speaker efficiency can range from a fraction of 1 percent to as much as 10 percent or more. Note that efficiency indicates nothing about sound quality, only quantity of acoustic energy for a given input power.

**electrostatic:** *Speakers* and headphones that produce sound by moving a thin, electrically charged diaphragm suspended in a high-voltage electrical field.

**elliptical stylus:** A *stylus* whose cross section, as seen from above, is an ellipse placed across the record groove. This type of stylus traces the fine high-frequency modulations of a *record* groove more accurately than a *spherical stylus*.

**EQ (equalization):** The process of changing the relative volume levels of different segments of the audio *frequency* spectrum to compensate for losses at some stage of recording or reproduction or to alter the tonal balance of the *signal*. *Phono* signals require a specific type of playback equalization because of the equalization built into the process of cutting a *record*.

**equalizer:** A component, or part of a component, that is used to equalize (see *EQ*) an audio *signal* received from a *source* component by dividing the signal into various separately adjustable *bands*. The most common type is the *graphic equalizer*, which divides the audio band into individually controllable fixed *frequency* bounds.

**expander:** A device used to restore natural *dynamic range*. This is achieved by counteracting the compression of dynamic range that sometimes occurs when recordings are made and when a *signal* is broadcast.

**50-dB quieting sensitivity:** A *tuner* spec measuring the level of an incoming *stereo* or *mono FM* *signal* that's required to produce a background *THD-plus-noise* level of  $-50$  *dB*; lower figures are better.

**filter:** A circuit that removes or attenuates a specific part of an audio *signal*.

**flutter:** A wavering sound caused by small, rapid variations in the speed of electro-mechanical components such as *turntables* and *cassette decks*. Expressed as a percentage of variation from the correct speed, flutter measurements are combined with *wow* measurements in a single *wow-and-flutter* (*W&F*) *spec*. Lower figures are better.

**FM (frequency modulation):** A type of radio broadcasting that encodes audio waveforms as variations in the *frequency* of the broadcast carrier *signal*. An FM station with center *frequency* of 88.1 *MHz* will actually broadcast a signal that changes from slightly less than 88.1 *MHz* to slightly more according to the amplitude of the audio waveform.

**frequency:** Rate of vibration or oscillation. Sounds are vibrations and can be represented by electrical *signals* that change at different rates; a low-pitched sound is represented by a slowly changing voltage, a high-pitched sound by a quickly changing voltage. Frequency is measured in cycles per second, or *hertz* (abbreviated *Hz*). Most people can hear notes as low as 20 *Hz* and as high as 15,000 to 20,000 *Hz*. In radio, frequency refers to the frequency of the carrier signal of the station, such as 88.1 *MHz* for an *FM* station or 1,010 *kHz* for an *AM* station.

**frequency balance:** The relative volume of different segments of the audio frequency range, from *bass* to *treble*.

**frequency response:** This important *specification* indicates how evenly a component reproduces different *frequencies*. A typical spec might be 20 to 20,000 *Hz*  $\pm 3$  *dB*, which means that the component will reproduce sounds as low as 20 *Hz* and as high as 20,000 *Hz*, and all those in between, not more than 3 *dB* too loud or too soft. If a frequency-response specification does not include a tolerance (the plus-or-minus decibel figure), it is essentially meaningless.

**graphic equalizer:** see *equalizer*.

**head amp:** see *MC* (*moving-coil*).

**heads:** The parts of a tape deck that impose a magnetic pattern on a tape (for recording) or detect one that is already there (playback). Most audio

decks also have another head for erasing tapes by randomizing the magnetic pattern on the tape so that a new one can be recorded. The heads of *analog* recorders are stationary, but those of *digital audio tape (DAT) decks* are on rotating drums like those used in VCR's.

**HX Pro:** see *Dolby HX Pro*.

**Hz (hertz):** The standard unit of *frequency*, named after the German physicist Heinrich Hertz. Measurements in hertz represent cycles per second—that is, changes away from a basic state and back again. In audio, the basic state is defined either as ordinary air pressure (without sound) or its electrical equivalent (a constant-level *DC signal*).

**IF (intermediate frequency) rejection:** The ability of a superheterodyne *AM* or *FM tuner*'s IF circuits to reject external interference at the intermediate *frequency*.

**image rejection:** The ability of a *tuner* to ignore *signals* removed from the desired *frequency* by twice the intermediate frequency (10.7 *MHz* in home *FM receivers*, 455 *kHz* in home *AM receivers*).

**IM (intermodulation distortion):** When a two-tone test *signal* is used, distortion components appear at *frequencies* that are sums and differences of multiples of the input frequencies. Their magnitude is expressed as IM, which is usually more distressing to the ear than *harmonic distortion*. As with all types of distortion, lower figures are better.

**impedance (imp):** Measurement, in *ohms*, of the total opposition (resistance and reactance) that a component has to the flow of electrical current; usually found in discussions of speakers.

**infinite-baffle:** A type of *speaker* in which the back wave produced by a *driver* is prevented from interfering with the front wave, usually by placing the driver in a sealed enclosure. See *acoustic-suspension*.

**infrared:** A part of the electromagnetic spectrum that is just below the range of *frequencies* visible to the human eye. Infrared *frequencies* are used by wireless remote controls to send *signals* to the components they control.

**integrated amplifier:** A component that performs the functions of both a

*preamplifier* and a *power amplifier*.

**isolation:** The separation of a structure from everything surrounding it; usually in reference to *turntable tonearms* and platters.

**kHz (kilohertz):** 1,000 *Hz*.

**Laserdisc:** A laser-read videodisc system. Laserdisc players are similar to *CD (compact disc) players*; combination units that play both kinds of discs as well as *CD videos* are available.

**LCD (liquid-crystal display):** A type of electronic readout that does not generate its own light and, therefore, uses very little power.

**LED (light-emitting diode):** A semiconductor that produces light when an electrical current is passed through it; used as indicators on components.

**linear-tracking tonearm:** A type of *tonearm* that moves in a straight line across the radius of a *record*; see *pivoted tonearm*.

**logic:** In *cassette decks*, the ability to switch from one transport function, such as fast forward, to another, such as rewind, without first pressing the stop button; doing this in decks without logic controls can damage the tape. In a *surround-sound* system, logic circuits are used to improve *separation* between multiple *channels* derived from *matrix-encoded stereo signals*.

**loudness compensation:** A form of *equalization* that progressively emphasizes low *frequencies* (and sometimes high frequencies) as *volume* is reduced. Loudness-compensation circuits, which appear in some *preamplifiers* and *receivers*, are designed to offset the human ear's loss of low-frequency *sensitivity* as the sound level decreases.

**magnetic cartridge:** A *phono cartridge* that generates an audio *signal* from the relative motions of a magnetic field and a coil or coils. The output is proportionate to the velocity of the *stylus* motion. See *MC (moving coil)* and *MM (moving magnet)*.

**matrix:** A type of circuit commonly used in *surround-sound* processors to encode three or more channels of information into two or to derive multiple *channels* from an encoded *stereo signal*. Also used to describe a similar type of circuit that can synthesize a

rear *channel* for ambience even if the original recording consists only of left and right *stereo channels*.

**MC (moving-coil):** A type of *phono cartridge* in which the magnets are stationary and the coils where the *signal* is generated move in response to the motions of the *stylus* in the *record groove*. Some MC cartridges produce very low voltages, and their output must be amplified to standard levels by a "head amp" or *pre-preamplifier* before further processing by a *phono-preamplifier* section.

**MHz (megahertz):** 1,000,000 *Hz*.

**microphone:** An electroacoustic pickup device that converts acoustical energy—such as live music or a voice—into an electrical *signal* that is essentially equivalent in shape and amplitude to the acoustical input.

**midbass:** The segment of the audio *frequency spectrum* covering sounds produced in the upper *bass* and lower *midrange* region; special midbass *drivers* can be used to reproduce these frequencies.

**midrange:** The segment of the audio *frequency spectrum* between the *bass* and *treble* frequencies. The midrange includes most of the fundamental tones of human voices and of many musical instruments. Midrange *drivers* reproduce sounds approximately in this frequency range.

**MM (moving magnet):** The most common type of phonograph *cartridge*. A moving-magnet cartridge has magnets attached to the opposite end of the *cantilever* from the *stylus*. The *stylus* motion causes these magnets to move near coils of wire, generating an electric current representing the audio *signal*.

**mono (or monophonic):** An audio *signal* in which all the information is combined in one *channel*; also, a component that handles only one channel, such as a *mono amplifier* (used in pairs for *stereo* programs).

**MPX (multiplex):** A method of combining two or more *signals* into one. Some tape decks have an *MPX filter* that removes the 19,000-*Hz* pilot tone from *stereo FM* broadcasts.

**MTS (multichannel television sound):** The encode/decode system devised by Zenith and dbx for *stereo TV* broadcasting in the United States. An MTS decoder, which may be built into an

audio or video component, receives stereo broadcasts and produces stereo *signals* from them. See *SAP*.

**multipath:** A condition that occurs when a broadcast radio *signal* reaches the *antenna* over two or more paths of different lengths. The result is interference that causes *distortion* and a loss of stereo channel *separation*.

**mv (millivolt):** One thousandth of a volt.

**μs (microsecond):** One millionth of a second.

**μv (microvolt):** One millionth of a volt.

**noise:** An unwanted part of a processed *signal* that is not related to the original signal. Audio noise usually sounds like hiss or hum.

**NR (noise reduction):** A system designed to reduce the *noise* added to an *audio signal* during recording. See *dbx* and *Dolby*.

**ohm:** The basic unit of electrical resistance.

**1-bit D/A converter:** Converter that translates the 16-bit *signal* from a *CD* into a 1-bit output signal. The output is generated using one of two basic methods—*PDM (pulse-density modulation)* or *PWM (pulse-width modulation)*.

**output level:** A measure of how strong a *signal* produced by a component is, usually in relation to the strength of the signal put into it.

**oversampling:** A *digital filtering* technique used in some *compact disc players*. Extra samples are mathematically interpolated between those read from the disc, creating a *signal* at some multiple of the standard 44.1-kHz *CD* sampling *frequency* (usually two, four, or eight times), which raises the frequencies of any spurious *signals* created by the *digital* recording process well above the audio range. The spurious signals are then removed by an *analog filter* with a gentle slope, which is simpler, cheaper, and more linear-phase than the sharp-cutoff filter required when oversampling isn't used.

**passive radiator:** An unpowered *speaker* assembly that is placed in the *port* of a vented-enclosure system to extend the *bass* response; the move-

ment of the powered assemblies moves the passive radiator. Also called a "drone cone" or "slave cone."

**PCM (pulse-code modulation):** A system of recording that encodes an *audio signal* in a series of electrical or magnetic pulses representing binary numbers (ones and zeros). *Compact disc players*, *digital audio tape (DAT) decks*, and digital signal processors all use PCM encoding.

**PDM (pulse-density modulation):** A signal-generation method, used in some 1-bit *D/A converters*. Information is represented by a pulse train in which all of the pulses are of the same amplitude and duration but may be either positive or negative. In 1-bit *D/A* conversion, the variations in the relative densities of positive and negative pulses is such that an *analog* audio waveform can be recovered by filtering out ultrasonic energy in the pulse train.

**peak indicator:** Usually a flashing *LED* on a tape recorder that indicates when transient *signal* levels have exceeded the recorder's ability to handle them without *distortion*; a supplement to *recording-level meters*.

**peak-reading meter:** A *recording-level meter* that rises rapidly and declines at a moderate speed so the user can judge the levels of transient peak waveforms.

**phono:** Abbreviation for "phonograph"; refers to the low-level *signals* produced by a *phono cartridge* and to the phono input where a *turntable* is connected to a *preamplifier*, *integrated amplifier*, or *receiver*. Phono inputs use *RCA connectors*, sometimes called phono plugs.

**piezoelectric cartridge:** A *phono cartridge* with a ceramic or crystal generating element that produces electricity when bent, twisted, or stressed. The cartridge's *output*, which can be fairly high, is proportionate to the amplitude of the *stylus* motion, rather than *stylus* velocity. See *magnetic cartridge*.

**piezoelectric speaker:** A *speaker* principle used in some *tweeters* that employs a ceramic element that expands or bends when fed a signal voltage. This deflection generates sound.

**pivoted tonearm:** The most common type of *tonearm*, it swivels on a fixed point so that the *cartridge* it holds can

track the *record* groove from edge to center along a shallow arc. See *linear-tracking tonearm*.

**PLL (phase-locked loop):** A type of *tuner* circuit that locks the received *frequency* to a synthesized reference frequency, which is usually generated by a quartz crystal.

**P-mount:** A standardized type of *phono cartridge* that plugs into a specific kind of *tonearm*; it requires no adjustment or calibration.

**port:** An opening in a *bass-reflex* speaker system that allows the sound wave from the back of a *driver* to reinforce the sound wave from the front, also called a vent.

**power amplifier:** A component that takes the *audio signal* from a *preamplifier* and makes it strong enough to drive *speakers*.

**preamplifier:** A component that switches and processes *audio signals* from source components. Typically, preamplifiers amplify only the low-level *phono* signals from *turntables* (more precisely, from *phono cartridges*), raising them to the same level as signals from other source components (called "line level") and applying the necessary *RIAA equalization*.

**preset:** On a *tuner* or *receiver*, a memory position where the *frequency* of a selected radio station can be entered for instant recall.

**programming:** The process of entering in instructions for a component to carry out at a later time. For instance, many *compact disc players* can be programmed to play selected tracks in any order.

**PWM (pulse-width modulation):** A signal-generation method, used in some 1-bit *D/A converters*, in which all of the pulses in a pulse train are of the same amplitude but of varying durations (or widths). In 1-bit *D/A* conversion, variations in the number and width of the pulses are such that an *analog* audio waveform can be recovered by filtering out ultrasonic energy in the pulse train.

**quantization:** In a *digital* audio *signal*, the number of possible values available to represent various levels of amplitude. In a *CD (compact disc)* system, the resolution of the quantization is 16 bits, which means that each

sample can have any value between zero and 65,535. Higher figures are better because they allow for more accuracy. See *sampling frequency*.

**quartz-synthesis:** See *PLL*.

**random access:** The ability to go directly to the beginning of a song, track, or program without having to scan the intervening material; the process is usually initiated using numbered buttons on a component's front panel or remote control.

**RCA connector:** The most common kind of home-audio connector, using small, one-pin *phono* plugs. The cables usually come in pairs, with the right *channel* marked in red, the left in black, gray, or white.

**receiver:** An audio component that performs three basic functions: receiving radio broadcasts, switching and processing audio *signals*, and amplifying the selected signal so it can drive *speakers*.

**record:** A 12-inch vinyl disc, also known as an LP or long-playing record, with intricate grooves that contain analog audio information. By vibrating in these grooves, the *stylus* of a *phono cartridge* converts mechanical information into a usable audio *signal* that can be amplified and sent to a pair of *speakers*. Seven-inch discs are called 45-rpm records, or singles.

**recording-level meter:** An indicator on a tape recorder that displays the signal levels being recorded onto tape from moment to moment; used to set proper recording levels.

**RF (radio-frequency):** The high-frequency electromagnetic *signals* used to broadcast radio programs.

**RFI (radio-frequency interference):** Noise created by interference from strong, nearby radio broadcasts.

**RIAA:** The Recording Industry Association of America, which has set standards for the equalization used on phonograph records. To minimize noise and prevent overcutting, every record has reduced *bass* and boosted *treble*, and these characteristics must be compensated for during playback by the *phono preamplifier*.

**ribbon speaker:** A form of *speaker driver* using a light ribbon suspended in a magnetic field that generates sound when current is passed through it.

**rms (root mean square):** A common method of averaging power measurement.

**rpm:** Revolutions per minute.

**rumble:** A measurement of how much motor noise is transmitted through a *turntable* to the *cartridge*. Lower figures are better.

**sampling frequency (or rate):** In *digital* audio, the number of times a signal is sampled each second. The standard sampling rate for the *CD (compact disc)* format is 44.1 *kHz*, which means each second of sound is encoded by 44,100 16-bit numbers for each channel. The sampling rate must be at least twice the highest frequency to be recorded.

**SAP (separate audio program):** A separate *mono channel* that is broadcast along with the two *stereo* channels in the *MTS* system for stereo TV. The SAP channel can be used for various purposes, such as providing an alternative soundtrack in a language different from that used on the primary channels.

**saturation:** A condition that occurs when an audio tape becomes fully magnetized and an increase in *signal* input level does not produce a corresponding increase in recorded level. Saturation also can occur in the magnetic structure of the tape *heads*.

**scan:** A *tuner* feature used to move quickly from one broadcast station to another, stopping on each *frequency* for a few seconds so the user can sample it. On *compact disc players*, the scan feature is used to move around quickly within a track, much like fast forward on a tape deck.

**selectivity (sel):** A *specification* that tells how well a *tuner* or *receiver* can differentiate between the selected broadcast *channel* and other stations using nearby *frequencies*. Adjacent-channel selectivity (adj-ch sel) measures rejection of signals from stations broadcasting on either side of the selected station; alternate-channel selectivity (alt-ch sel) measures rejection of signals from stations two channels away from the desired one. Higher numbers are better for both of these specifications.

**semiautomatic turntable:** A kind of turntable that lifts the *tonearm* from the *record* automatically at the end of a side; the *cartridge's stylus* must be

set onto the record by hand, however.

**sensitivity (sens):** A measurement used for *speakers* that tells how much sound is produced 1 meter away from the speaker with an input of 2.83 volts (1 *watt* into 8 *ohms*). Higher numbers are better.

**separation:** The difference, measured in *decibels (dB)*, between the outputs of two *channels* when a *signal* is fed to only one, indicating the amount of leakage between channels in a component. Higher figures are better.

**servo control:** A technique that forces the speed or position of a moving device into conformity with a desired speed or position. The speed of a servo-controlled *turntable* is established by a precision voltage or *frequency* standard to which it is compared. Automatic adjustments are made to minimize differences and insure the correct *rpm*.

**signal:** An electrical current that is modulated (changed) to represent audio information.

**S/N (signal-to-noise ratio):** Measured in *decibels (dB)*, the difference in level between a *signal* (usually at a standard level) and the residual *noise* of the component through which it is passed. Higher figures are better.

**source:** The program *signal* that is being recorded or played back. Components (*turntables*, *cassette decks*, *compact disc players*, etc.) provide program signals either by playing a recorded program (*LP's*, tapes, *CD's*) or receiving a broadcast program (*tuners* and *receivers*).

**speaker (or loudspeaker):** A component—typically conical in shape—that accepts audio *signals* from a *receiver* or *amplifier* and converts them into sound waves. Also called a *driver*.

**specification (spec):** A numerical measurement of a component's performance as provided by the manufacturer.

**spherical stylus:** A *stylus* whose shape is conical; typically used in low-price *cartridges*. The downward-facing point of the cone, which vibrates in the *record* groove, is rounded to a specified radius of curvature. See *elliptical*.

**SPL (sound-pressure level):** A measurement of acoustic energy, usually

encountered in the *sensitivity* rating of a *speaker*. See *db*.

**stereo:** The use of at least two separate *channels* (*signal paths*) to create the illusion that music is being produced in the space between, and even beyond, a pair of *speakers*.

**stylus:** The needle-shaped material, usually diamond, at the end of the *cantilever* of a *phono cartridge*; its vibration as it traces the *record* grooves is translated by the *cartridge* into an electrical audio *signal*.

**subwoofer:** A separate *speaker* designed to reproduce only low *bass frequencies*. Powered subwoofer systems contain an *amplifier* and *cross-over*.

**supertweeter:** A *tweeter* used to reproduce only extremely high *frequencies*; usually found in four- or five-way *speaker* systems.

**surround sound:** See *Dolby Surround*.

**tape monitor:** A switch on a tape recorder or *preamplifier* that allows the user to listen to a tape as it is being recorded to insure proper recording; on a preamp, it may also allow external *signal processors* to be used.

**THD (total harmonic distortion):** The percentage of an audio output *signal* that consists of spurious harmonics, or multiples of the fundamental *frequencies*. These harmonics are introduced by an *amplifier* or other component in its handling of the original signal. Lower figures are better.

**tonearm:** The rod on a *turntable* that supports the *phono cartridge*. See *pivoted tonearm* and *linear-tracking tonearm*.

**tracking:** The ability of a *CD player* or *phono cartridge* to follow the pattern recorded on a *CD* or vinyl *record*.

**tracking error:** In playing a *record*, the *tonearm* should hold the *cartridge* as nearly tangent to the record groove as possible. Tracking error is expressed as the number of degrees away from tangency.

**tracking force:** The downward force of a *stylus* on a *record*, measured in grams.

**transport:** The parts of a tape deck that move the tape, including the mo-

tor(s), hubs, *capstan*(s), pinch-roller(s), and other mechanisms. In a *CD player* or *turntable*, the transport system rotates the *CD* or *record*.

**treble:** The upper part of the audio spectrum; see *bass* and *midrange*.

**tuner:** A component that receives radio *signals* from an *antenna*, allows the user to select a station, and demodulates the audio *signal* from the *RF* signal.

**turntable:** Also known as a *phonograph* or *record player*, a turntable rotates records; see *cartridge* and *stylus*.

**tweeter:** A driver in a *speaker* system that is designed to reproduce *treble* sounds (high *frequencies*).

**two-way, three-way:** Refers to the number of *frequency* bands a *speaker* system's *output* is divided into. A two-way system has a *woofer* and a *tweeter*; a three-way system adds a *midrange* speaker to that configuration.

**usable sensitivity:** The minimum *RF signal* level required for a *tuner* to achieve a 30-*db S/N* in mono; lower figures are better.

**volume:** usually expressed in *decibels* (*db*), the strength of a sound wave or audio *signal*.

**W/ch (watts per channel):** A *specification* that indicates how much power an *amplifier* or *receiver* will deliver to each of a pair of *speakers*.

**W&F (wow-and-flutter):** A *specification* indicating the speed accuracy of mechanical components such as *turntables* and *cassette decks*. Lower figures are better. See *wow* and *flutter*.

**woofer:** A driver in a *speaker* system designed to reproduce the low, or *bass*, part of the audio *frequency* spectrum.

**wow:** A measurement of slow speed variations; usually combined with *flutter*, a measurement of fast speed variations. Lower figures are better.

## ABBREVIATIONS

AC—alternating current  
A/D—analogue to digital  
ADC—analogue-to-digital converter  
AFC—automatic frequency control  
alt-ch—alternate channel  
amp—amplifier  
CIRC—cross interleave Reed-Solomon code  
CrO<sub>2</sub>—chromium dioxide  
D/A—digital to analog  
DAC—digital-to-analog converter  
DAT—digital audio tape  
dB—decibel  
dBf—decibel femtowatt  
DC—direct current  
EFM—eight-to-fourteen modulation  
EIA—Electronic Industries Association  
EIAJ—Electronic Industries Association of Japan  
EQ—equalization  
F—farad  
FeCr—ferrichrome  
FET—field-effect transistor  
FR—frequency response  
g—gram(s)  
HD—harmonic distortion  
HX—headroom extension  
Hz—hertz (cycles per second)  
IC—integrated circuit  
IEC—International Electrotechnical Commission  
IEEE—Institute of

Electrical Electronic Engineers  
IF—intermediate frequency  
IHF—Institute of High Fidelity  
IM—intermodulation (distortion)  
imp—impedance  
ips—inches per second  
k—kilo (one thousand)  
kHz—kilohertz (one thousand cycles per second)  
LCD—liquid-crystal display  
LED—light-emitting diode  
L/R—left/right  
LSB—least-significant bit  
LSI—large-scale integrated (circuit)  
M—mega (one million)  
Mb/sec—megabits per second  
MC—moving coil  
MM—moving magnet  
MNOS—metallic nitrogen-oxide semiconductor  
MOL—maximum output level  
MOSFET—metal-oxide semiconductor FET  
MPX—multiplex  
MSB—most-significant bit  
m—meter (as in SPL/w/m)  
m—milli (one thousandth, as in msec)  
mH—millihenry  
mm—millimeter  
ms—millisecond  
mV—millivolt

mW—milliwatt  
μ—micro (one millionth)  
NAB—National Association of Broadcasters  
nWb—nanoweber  
NR—noise reduction  
PCM—pulse-code modulation  
pF—picofarads  
PLL—phase-locked loop  
P-P—peak-to-peak, push pull  
RF—radio frequency  
RIAA—Recording Industry Association of America  
rms—root mean square  
RPM—revolutions per minute  
sel—selectivity  
sens—sensitivity  
sep—separation  
SMPTE—Society of Motion Picture and Television Engineers  
S/N—signal-to-noise ratio  
SPL—sound-pressure level  
THD—total harmonic distortion  
TIM—transient intermodulation (distortion)  
V—volt(s)  
VU—voltage unit  
W—watt(s)  
W&F—wow-and-flutter  
Wb—Weber  
wrms—weighted root mean square  
wtD—weighted





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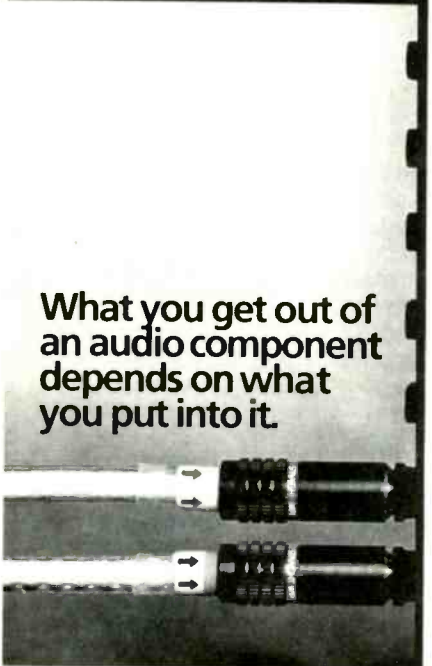
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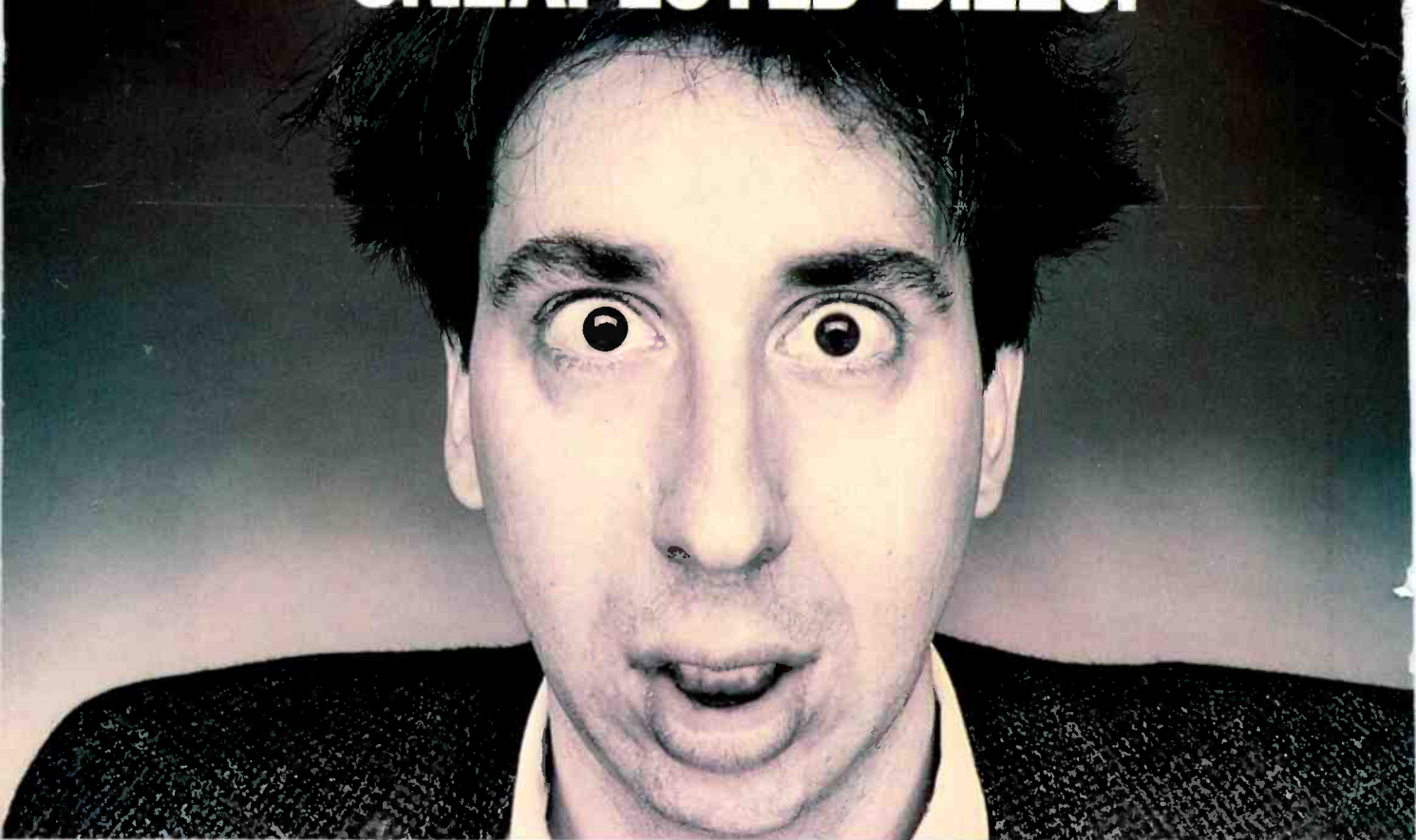
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