



K-array srl unipersonal

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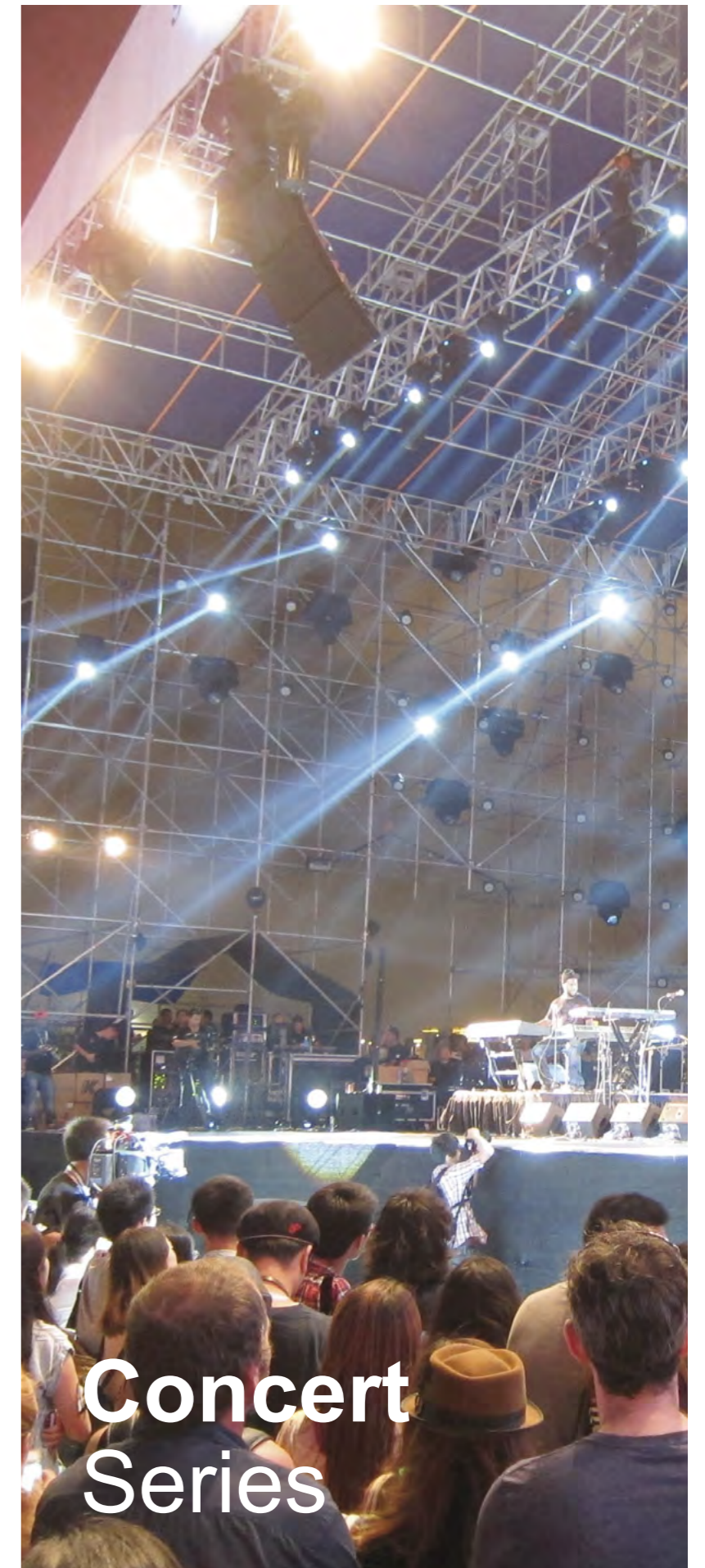




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Installed Sound
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Installed Sound



Installed Sound

Speakers

Lyzard

KZ10
Ultra miniaturized
line-array element



Tornado

KT2- KT2C
2" point source multipurpose
loudspeaker



KTL2- KTL2C
2" point source multipurpose
loudspeaker
with integrated RGB LEDs



Vyper

KV50
Ultra flat 3D line array element



Kobra

KK52
Line array bass element
Minimum size maximum punch



KK102
Line array bass element
Minimum size maximum punch



Monitors

Ninja

KJ50VB
Low profile,
variable beam speaker



KRM33

KRM33P
Low profile variable
coverage speaker



Anakonda

KAN200
Flexible array element speaker



Python

KP52
Line array bass element
Minimum size maximum punch



KP102
Line array bass element
Minimum size maximum punch



KF12P

KF12P
Full range multi-purpose speaker



Subwoofers

KMTP

KMT12P
Ultra-light high-power
12" subwoofer



KMT18P
Ultra-light high-power
18" subwoofer



KMT21P
Ultra-light high-performance
21" subwoofer



Kobra

KKS50
Line array bass element
Minimum size maximum punch



Rumble

KU36
Ultra slim,
high power subwoofer



Amplifiers

KA

KA1-1
A high technology
Class D power amplifier



KA24-KA84
All in one KA amplifier and
processing solution



Systems

Piccolo

Snack-size speaker
in a home stereo system



Portable Systems

Concert Series

Speakers

Lyzard

Ultra miniaturized line-array element





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Speakers

KZ10

Ultra miniaturized line-array element

The KZ10 is a remarkable ultra micro line array designed for discreet use in a variety of situations such as restaurants, bars, museums etc.

The rugged enclosure contains a line array of 4 x 0.5" longexcursion, full range drivers housed in a sleek case built around a super strong chassis. The high efficiency drive units have neodymium magnet structures and suspensions engineered for maximum linear excursion and minimum residual transducer noise.

This miniature slim column is a mere 1.2cm deep and delivers true crystal clear audio with an amazing output of 92dB continuous; remarkable from such a miniscule enclosure. The system delivers long throw and coherent coverage making it ideal for use in space constrained situations. Up to four KZ10's can be integrated to the KU36 sub bass, extending the frequency range to 35Hz. The KZ10 weighs a mere 46g and measures 2.2 x 10 x 1.2cm.

All the components are designed in-house at our Florence based R&D department. They are custom manufactured to our exacting standards and quality control system in Italy.

KZ10W

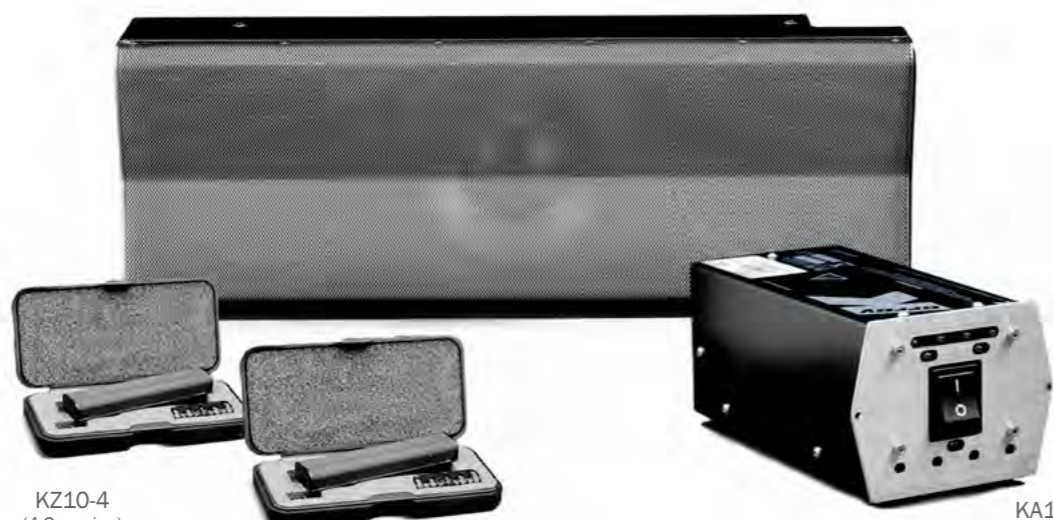


KZ10



KZ10-4 PACK

KU36



KZ10-4 (4 Ω version)

KZ10-4 (4 Ω version)

KA1-1

Features

- Multiple 0.5" long excursion full range drivers
- Wide range frequency response
- Full aluminum ultra strong frame
- Available in Black or Silver
- High dynamic range capability
- Only 46g of weight

Applications

- Background music systems in restaurants and clubs
- High quality distributed systems for paging and music
- Exhibit audio for museum displays
- Space-sensitive fill for broadcast

Specs

Speaker power handling	8 W ^(AES)
Operating frequency range	350 Hz - 18 KHz +/- 3dB
Impedance	16 Ω
Maximum SPL	92 dB continuous - 98 dB peak
Coverage	
Horizontal	140°
Vertical	20°
Crossover	
Type	External crossover required
Frequency	250Hz 24dB/oct suggested minimum
Transducers	
Full-range	4 x 0.5" Neodymium speakers with 0.5" voice coil
Impedance	16Ω
Physical	
Dimensions	2.1 x 10 x 1.2 cm (0.83"x 3.94"x 0.47")
Weight	46 g (0.10 lb)

New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.



installed sound KZ10



Accessories
Set-up & Configuration

Piccolo

3D line-array element, selectable beam speaker





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Systems

Piccolo

Snack-size speaker in a home stereo system

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The Piccolo audio system has been designed to satisfy all those who look for a high quality sound and an almost invisible system.

While concentrating on the essential design of the two mid-high speakers, so that they could be easily hidden in almost every situation, we worked hard to put to use in our first "home system" all the experience we gathered in the professional audio market, through years of research and development in the fields of acoustics and digital audio signal processing. The result is an extremely essential design disguising an impressive output power all over the audio frequency spectrum, with an uncompromising full punch in the lowest end and a crystal clear definition in the highest. If you have a Piccolo installed in your living room or study, you certainly own the most discreet and powerful home sound system that the market can offer.



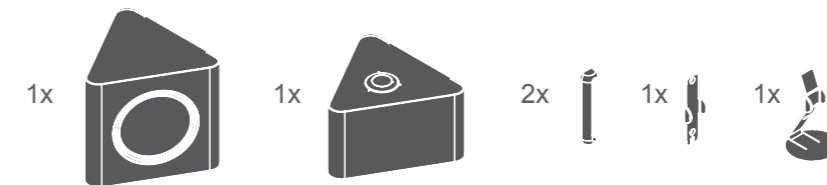
Features

- Multiple 0.5" long excursion full range drivers
- Wide range frequency response
- Full aluminum ultra strong frame
- Available in Black or Silver
- High dynamic range capability
- Only 46g of weight

Applications

- Background music systems in restaurants and clubs
- High quality distributed systems for paging and music
- Exhibit audio for museum displays
- Space-sensitive fill for broadcast

System components



Specs Piccolo

Acoustics	
Frequency range	32 Hz - 18 KHz
Maximum SPL	92 dB
Amplifiers	
Type	2 x class D – DSP controlled
Power to mid-high	50 W x 2 (100 W total)
Power to subwoofer	110 W
Protection	Dynamic limiter, over current, over temp, short circuits
Transducers	
Mid-high (each)	4 x 0.5" Neodymium cone driver with 0.5" voice coil
Subwoofer	1 x 6" Neodymium magnet with double 1.5" voice coil 1 x 6" passive radiator
AC Power	
Operating range	85 - 132 Vac 50 Hz (Auto-switching) 170 - 264 Vac 60 Hz (Auto-switching)
I nominal	2 A / 115 Vac - 1 A / 230 Vac
Peak power	2 x 220 W / 120 ms max
Max power consumption	150 W
Physical	
Dimensions	9.2 x 2.1 x 1.6 cm (mid-high) 13 x 22.5 x 20.2 cm (subwoofer) 20.5 x 22.5 x 20.2 cm (amplifier)
Weight	57 g (mid-high) 4.6 Kg (subwoofer) 3.3 Kg (amplifier)

Accessories
Set-up & Configuration



Tornado

2" point source compact speaker





KT2 - KT2C

2" point source multipurpose loudspeaker

The Tornado series is a miniature sound source designed for high-quality distributed systems.

Housed in a compact aluminium enclosure, the Tornado is suitable for space sensitive and architectural design installations.

The Tornados are a turn-key loudspeaker solution; designed as passive speakers, that can be easily converted into self-powered devices by inserting the KA1-T2 12V/24V amplifier module. Tornados have a proprietary 2" high efficiency drive unit with a neodymium magnet structure and a suspension engineered for maximum linear excursion and minimum residual transducer interference. The cone transducer delivers an impressive maximum peak SPL of 107dB, and has a wide operating frequency range from 150 Hz to 18 kHz with very low distortion.

With its ability to effortlessly reproduce both speech and music, it makes an excellent choice for fixed applications such as theatre, museum displays, restaurants, portable systems for corporate AV presentations, department stores, and in hidden locations such as chancel steps in houses of worship.

The KT2 and KT2W come with a wall bracket for fixed installations or surface applications.

The KT2C and KT2CW come with a ceiling brackets for ceiling mounts.

All Tornado components are designed by the K-array R&D department and custom made under the K-array quality control system.

Designed as passive speaker, the new Tornados can be easily converted into self-powered devices by inserting the KA1-T2 12V/24V amplifier module.



KT2



Features

- High performance-to-size ratio
- Single 2" long excursion full range driver
- Wide-range frequency response
- Integrated 4-pin Phoenix connector
- Double voice-coil driver for variable impedance 8-32Ω
- Compact aluminium ultra strong chassis
- Weather resistant IP54

Applications

- Audio for museum and exhibit displays
- Space-sensitive fills and distributed systems for speech and music
- Suitable for theatres and broadcast
- Installed audio-visual systems

Accessories

- K-AL15, K-AL66, K-AL75, K-AL120, K-AL240, KA-FRAME, KA1-T2H



KT2C

KT2 Specs

Acoustics	
Speaker power handling	18 W ^(AES)
Impedance	8Ω - 32Ω (settable)
Frequency range (-10 dB)	150 – 18 kHz ⁽¹⁾
Maximum SPL	101 dB (cont.) – 107 dB (peak) ⁽²⁾
Coverage	
Horizontal	90°
Vertical	90°
Crossover	
Type	External crossover required
Frequency	150Hz 24dB/Oct minimum required
Transducers	
Full-range	2" Neodymium magnet Woofer with 2 voice coils of 0.8"
Impedance	2 x 16 Ω
Power Audio Input	
Connectors	4-pin Phoenix connector
Wiring	VoiceCoil A=1+ 1- VoiceCoil B=2+ 2-
Certification	
IP	54
Physical	
Dimensions	110 mm x 75 mm x 70 mm (4.33" x 2.95" x 2.76 ")
Weight	0.56 Kg (1.23 lb)

KT2C Specs

Acoustics	
Speaker power handling	18 W ^(AES)
Impedance	8Ω - 32Ω (settable)
Frequency range (-10 dB)	150 – 18 kHz ⁽¹⁾
Maximum SPL	101 dB (cont.) – 107 dB (peak) ⁽²⁾
Coverage	
Horizontal	90°
Vertical	90°
Crossover	
Type	External crossover required
Frequency	150Hz 24dB/Oct minimum required
Transducers	
Full-range	2" Neodymium magnet Woofer with 2 voice coils of 0.8"
Impedance	2 x 16 Ω
Power Audio Input	
Connectors	4-pin Phoenix connector
Wiring	VoiceCoil A=1+ 1- VoiceCoil B=2+ 2-
Certification	
IP	54
Physical	
Dimensions	110 mm x 75 mm x 70 mm (4.33" x 2.95" x 2.76 ")
Weight	0.61 Kg (1.34 lb)

Notes for data
 1. With Dedicated preset
 2. Measured with musical signal
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Speakers

KTL2 - KTL2C

2" point source multipurpose loudspeaker with integrated RGB LEDs

The Tornado series is a miniature sound source designed for high-quality distributed systems.

Housed in a compact aluminium enclosure, the Tornado is suitable for space sensitive and architectural design installations.

The Tornados are a turn-key loudspeaker solution; designed as passive speakers, that can be easily converted into self-powered devices by inserting the KA1-T2 12V/24V amplifier module.

In addition to the standard features of the Tornado loudspeakers, the KTL2 and KTL2C have 6 integrated RGB LEDs that can be controlled thanks the wide range of K-array accessories via DMX or by remote. With its ability to effortlessly reproduce speech, music and lighting, it is an excellent choice for fixed applications such as theatre, museum displays, restaurants, portable systems for corporate AV presentations, department stores, and in hidden locations such as chancel steps in houses of worship. The KTL2 and KTL2W come with a wall bracket for fixed installations or surface applications.

The KTL2C and KTL2CW come with a ceiling brackets for ceiling mounts.

All Tornado components are designed by the K-array R&D department and custom made under the K-array quality control system.

Designed as passive speaker, the new Tornados can be easily converted into self-powered devices by inserting the KA1-T2 12V/24V amplifier module.



Features

- High performance-to-size ratio
- Integrated RGB LEDs
- Single 2" long excursion full range driver
- Wide-range frequency response
- Double voice-coil driver for variable impedance 8-32ohm
- Compact aluminium ultra strong chassis

Applications

- Audio for museum and exhibit displays
- Space-sensitive fills and distributed systems for speech and music
- Suitable for theatres and broadcast
- Installed audio-visual systems

Accessories

K-CTRL, KA-FRAME, K-RGBDMX, K-RGBREM, KA1 - T2H



installed sound KTL2 - KTL2C

KTL2 Specs

Acoustics	
Power handling	18 W ^(AES)
Impedance	8Ω - 32Ω (settable)
Frequency range (-10 dB)	150 - 18 kHz ⁽¹⁾
Maximum SPL	101 dB (cont.) - 107 dB (peak) ⁽²⁾
Coverage	
Horizontal	90°
Vertical	90°
Crossover	
Type	External cross over required
Frequency	150Hz 24dB/Oct minimum required
Transducers	
Full-range	2" Neodymium magnet Woofer with 2 voice coils of 0.8"
Impedance	2 x 16 Ω
Power Audio Input	
Connectors	4-pin Phoenix connector
Wiring	VoiceCoil A=1+ 1- VoiceCoil B=2+ 2-
LED connections	
Connectors	4-pin Phoenix connector
Wiring	R=1+ ; G=1- ; B= 2+ ; V=2-
Physical	
Dimensions	110 mm x 75 mm x 70 mm (4.33" x 2.95" x 2.76 ")
Weight	0.54 Kg (1.19 lb)

KTL2C Specs

Acoustics	
Power handling	18 W ^(AES)
Impedance	8Ω - 32Ω (settable)
Frequency range (-10 dB)	150 - 18 kHz ⁽¹⁾
Maximum SPL	101 dB (cont.) - 107 dB (peak) ⁽²⁾
Coverage	
Horizontal	90°
Vertical	90°
Crossover	
Type	External cross over required
Frequency	150Hz 24dB/Oct minimum suggested
Transducers	
Full-range	2" Neodymium magnet Woofer with 2 voice coils of 0.8"
Impedance	2 x 16 Ω
Power Audio Input	
Connectors	4-pin Phoenix connector
Wiring	VoiceCoil A=1+ 1- VoiceCoil B=2+ 2-
LED connections	
Connectors	4-pin Phoenix connector
Wiring	R=1+ ; G=1- ; B= 2+ ; V=2-
Physical	
Dimensions	110 mm x 75 mm x 70 mm (4.33" x 2.95" x 2.76 ")
Weight	0.59 Kg (1.30 lb)

Notes for data
1. With Dedicated preset
2. Measured with musical signal
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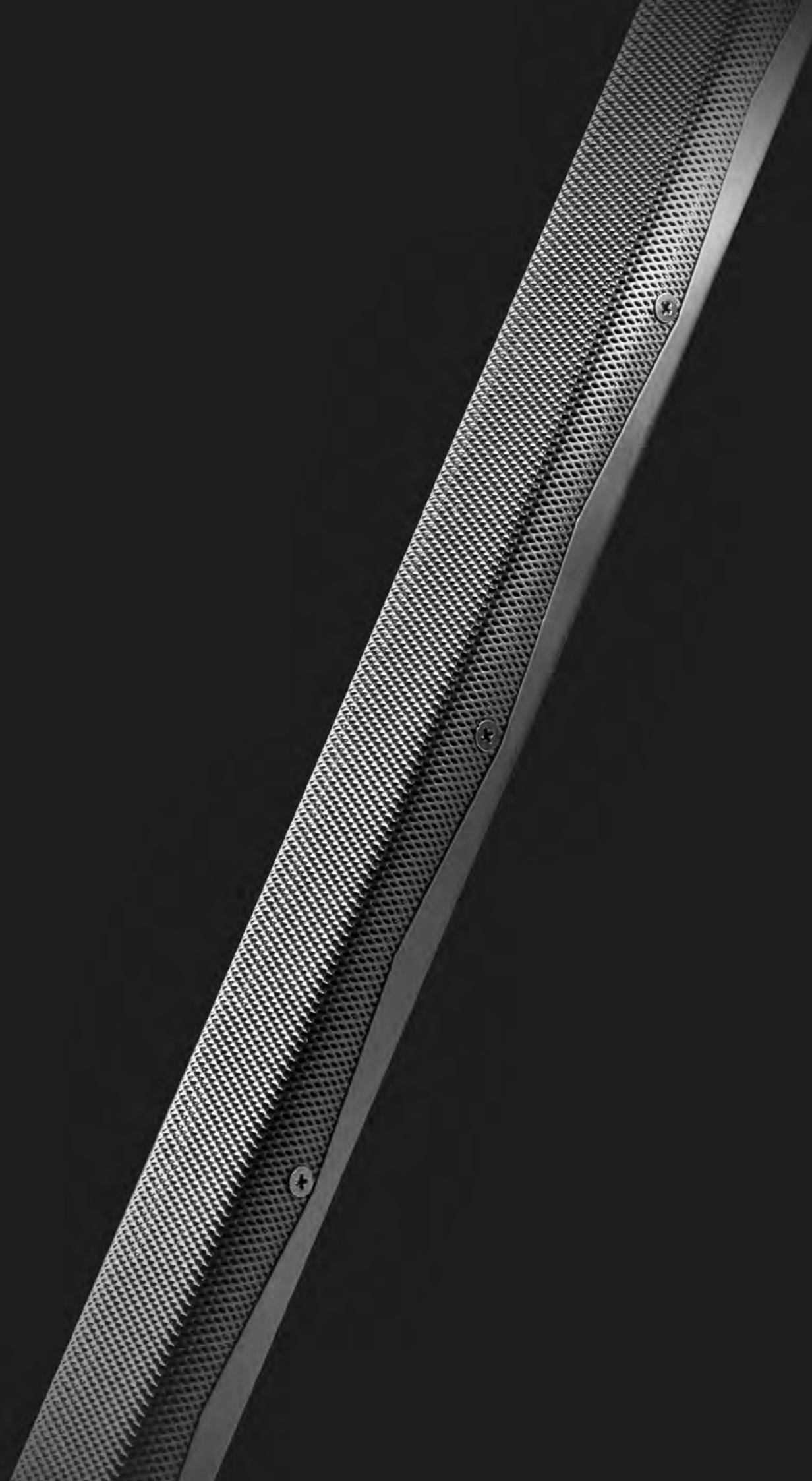
Accessories
Set-up & Configuration



Speakers

Vyper

Ultra flat line array element





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Speakers

KV50

Ultra flat line array element

Vyper KV50 is an ultra-flat passive speaker system comprised of eight 1" neodymium magnet transducers housed in an elegant and sturdy aluminum chassis.

The eight closely spaced cone drivers provide true line array characteristics - phase coherence, low distortion and focused listening in both the near field and at a distance from the speaker.

A steel bracket accessory provides an ease to mount wall application for permanent installations.

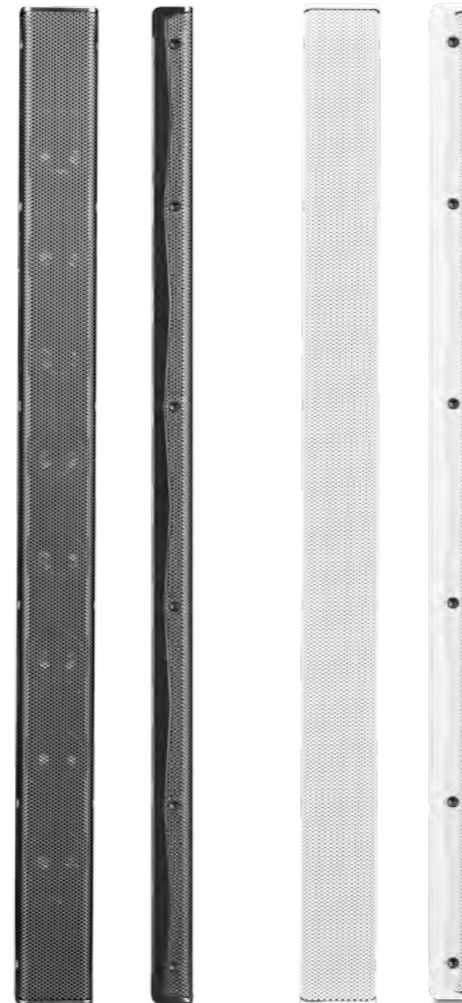
For easier use and integration with other speakers or amplifiers, KV50 allows the user to select two different values of impedance (16Ω - 64Ω). At 64Ω as many as 16 KV50 speakers can be powered off a single amplifier channel at 4Ω, which eliminates the need of 70 V amplifiers for wider distributed installed systems.

The KV50 is able to reproduce the whole vocal frequency range with high intelligibility, starting from 150 Hz. Integrating one of the K-array subwoofers (KU36, KMT12P), powered by a KA10-10 amplifier set with specific presets optimized for the KV50 assures excellent coverage of the entire musical frequency range.

All Vyper KV50 components are designed by the K-array R&D department and custom-made under the K-array quality control system.

KV50

KV50W



Features

- Unique performance-to-size ratio
- Vertical, Horizontal and 3D line-array applications
- Multiple 1" long-excursion full-range cone drivers
- Wide horizontal coverage
- Electronically protected
- Selectable 16 Ohm or 64 Ohm impedance
- Weather proof, suitable for outdoor installations- **IP54**
- Available in black or white

Applications

- Front and under-balcony fill
- Portable and installed AV systems
- Stage and AV-Studio monitoring

Accessories

K-V5WALL1

Specs

Acoustics

Power handling	150 W ^(AES)
Impedance	16Ω or 64Ω (selectable)
Frequency range	200 Hz - 20 KHz
Maximum SPL	108 dB continuous - 114 dB peak

Coverage

Horizontal	110°
Vertical	10°

Crossover

Type	External Crossover required
Frequency	150 Hz, 24 dB/oct suggested minimum

Transducers

Full range	8 x 1" Neodymium magnet with .75" voice coil
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Recommended Amplifiers

Type	KA10, KA7, KA7-7, KA40 (with dedicated preset)
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Physical

Dimensions	3.9 x 50 x 2,1 cm (1.54" x 19.69" x 0.83")
Weight	0.67 Kg (1.48 lbs)

Notes for data
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installed sound KV50



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Speakers

Anakonda

Flexible array element speaker





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Speakers

KAN200

Flexible array element speaker
Patent pending

Like every K-array product, the Anakonda KAN200 is a revolutionary speaker module born to meet the needs of places where few had dared to go up to now. It is designed to be a problem solver in all those situations where a traditional speaker box can't be used but where good intelligibility, ultra-reliability and a sleek design are required.

The KAN200 is the perfect fit for any distributed sound application. Its dedicated presets work on a wide frequency range and can be used as a PA system in stand - alone and in combination with K-array subwoofers. Its lightness and flexibility help it to be easily integrated in existing structures.

One KAN200 module is 2 mt long and can be extended with additional KAN200s up to a maximum of 16 elements on one line, which allows you to create 32mt of continuous sound line. Each module is equipped with two speakon NL4 connectors, the male and female are located respectively at the top and bottom, and are completely integrated in the "body" of the speaker. Once they are connected, they are hidden in the shape of the line.

Each KAN200 is provided with 2 fabric socks, one black and one white, which can be used to cover and protect the speaker from foreign objects such as dust, and also give the possibility of changing colors in a flash. Wall brackets are included in the package to make the installation as easy and as fast as possible.

All the components of the Anakonda KAN200 are designed by the K-array R&D department and made in Italy under the K-array quality control system.



KAN200

Features

- Flexible 2mt chassis
- Integrated NL4 connectors
- High impedance for long lines
- IP55 for outdoor installations
- Fabric socks available in black and white

Applications

- Front fills
- Outdoor installations
- Theme parks
- Indoor and outdoor scenography design

Accessories

K-ANLINK

Specs

Speaker power handling	150W ^(AES)
Frequency range	150 Hz - 18 KHz +/- 6dB ⁽¹⁾
Impedance	64 Ω
Maximum SPL	96 dB (continuous) - 102 dB (peak) ⁽²⁾
Coverage	
Horizontal	160°
Vertical	10°
Crossover	
Type	External Crossover required
Frequency	High pass @150 Hz, 24 dB/oct suggested minimum
Transducers	
Full-range	8 X 1" Neodymium cone driver with 0.75" voice coil
Physical	
Dimensions	2019 mm x 56 mm x 35.3 mm (79.5" x 2.2" x 1.4")
Weight	1,4 Kg (3,09 lb)

⁽¹⁾ With dedicated preset

⁽²⁾ Measured with musical signal



Demo pics that show Anakonda's flexibility



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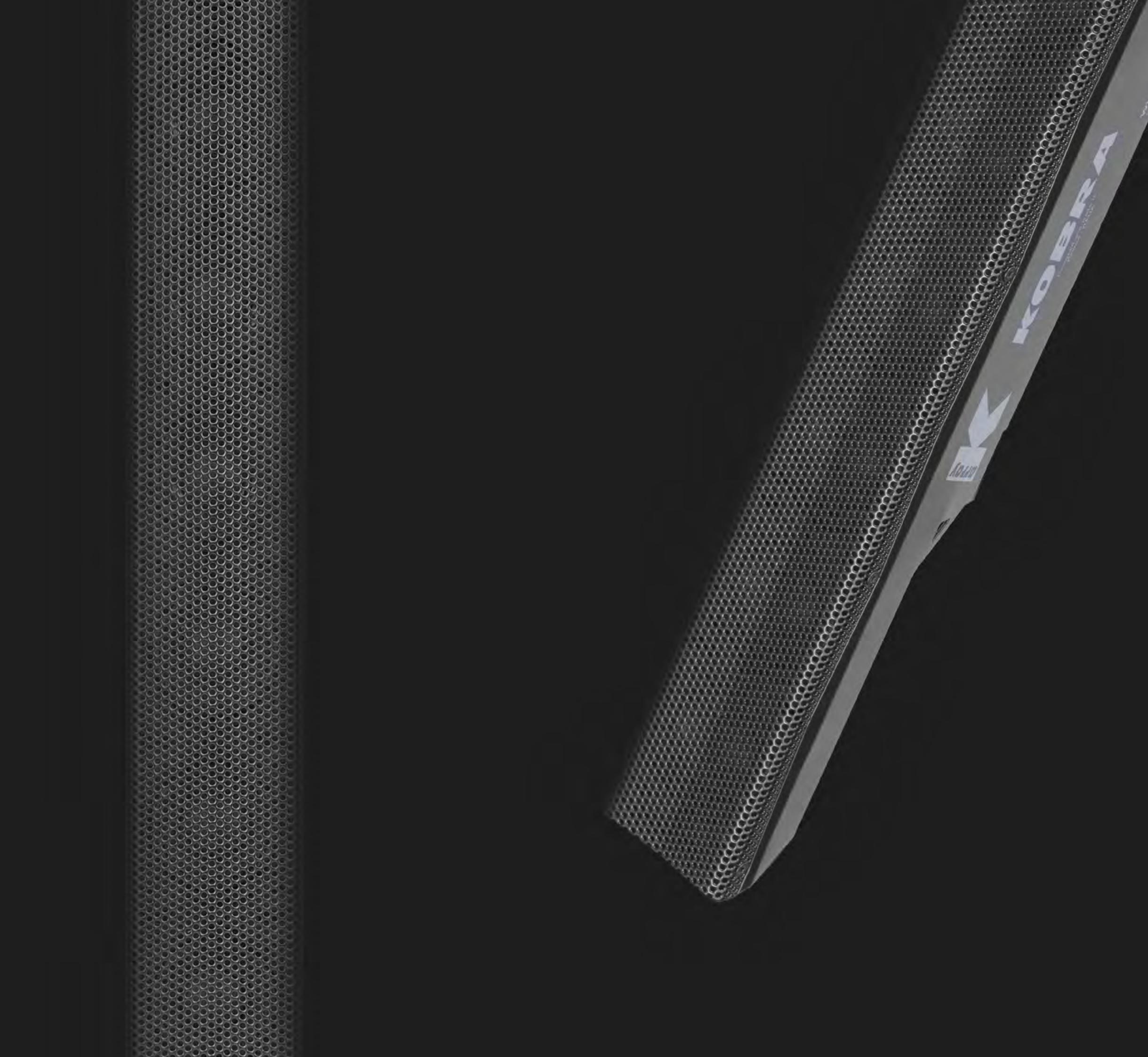
installed sound KAN200

Accessories
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Speakers

Kobra

*Ultra slim, high power
3D-array elements*





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Bass element

KKS50

Line array bass element
Minimum size maximum punch

The KKS50 is a compact but extremely powerful, line array bass system comprised of 4 x 4" neodymium transducers engineered for maximum linear excursion and minimum residual noise, housed in a military spec. stainless steel chassis. It can be configured horizontally or vertically.

With a frequency range of 60Hz to 300Hz, the KKS50 is a companion to any of the K-array Commercial Series and Installation Series speakers. The combination provides full range frequency response with prodigious output and a virtually invisible profile. A variety of accessories provide numerous mounting options for permanent and portable installations.

KA series amplifiers have presets specifically optimized for KKS50 applications.

All KKS50 components are designed by the K-array R&D department and custom made under the K-array quality control system.

Features

- Unique performance-to-size ratio
- Vertical, Horizontal line-array applications
- Multiple 4" long-excursion full-range cone drivers
- Extended smooth frequency response
- Selectable 8 Ω or 32 Ω impedance
- Selectable channel A or B
- Weather proof, suitable for outdoor installations - IP32
- Available in black or white

Applications

- Theatre, Club, Houses of worship
- Front fill and under-balcony fill
- Portable and installed AV systems
- Stage and AV studio monitoring

Accessories

K-KSFLY, K-KSLINK, K-KCLAMP/S, K-KCLAMP



installed sound KKS50



Specs

Acoustics

Power handling	300 W ^{AES}
Impedance	8Ω or 32Ω (selectable)
Frequency range	60 Hz - 300 KHz
Maximum SPL	108 dB continuous - 114 dB peak

Coverage

Horizontal	Omni
Vertical	Omni

Crossover

Type	External 24dB/oct. crossover required
Frequency	low pass @300 Hz

Transducers

Full range	4 x 4" Neodymium magnet with 1.5" voice coil
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Recommended Amplifiers

Type 8Ω	KA7, KA7-7, KA10, KA10-10, KA40 (with dedicated preset)
Type 32Ω	KA10, KA10-10, KA40 (for up to 8 X KKS50/channel) (with dedicated preset)

Physical

Dimensions	50 x 10.9 x 20.2 cm (19.69" x 4.29" x 7.95")
Weight	7.6 Kg (16.76 lbs)

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Speakers

KK52

3D line-array element, variable beam speaker

The K-array KK52 is a passive speaker system comprised of eight 2" neodymium magnet transducers housed in an elegant and sturdy stainless steel chassis.

The vertical dispersion pattern can be switched for wide or narrow coverage, allowing for a great variety of applications. The eight closely spaced cone drivers provide true line array characteristics - phase coherence, low distortion and focused listening in both the near field, and at a distance from the speaker.

A variety of rigging accessories provides many linking and hanging options for the KK52 (0.5 meter) and the larger (1 meter) KK102 to be combined in vertical and horizontal line array configurations to satisfy many different venue requirements during temporary events and for permanent installations.

For easier use and integration with other speakers or amplifiers, the KK52 allows the user to select two different values of impedance (16Ω - 64Ω). At 64Ω as many as 8 KK52 speakers can be powered off a single amplifier channel at 8Ω (up to 16 elements @ 4Ω), which eliminates the need of 70 V amplifiers for wider distributed installed systems.

The KK52 is able to reproduce the whole vocal frequency range with high intelligibility, starting from 150 Hz. Integrating one of the Redline series powered subwoofers (KMT12, KMT18, KMT21), configured with specific presets for the KK52 assures excellent coverage of the entire musical frequency range.

The K-array KA amplifier series have pre-sets optimized for KK52 use that can be uploaded from a computer.

All Kobra KK52 components are designed by the K-array R&D department and custom-made under the K-array quality control system.



Features

- Unique performance-to-size ratio
- Vertical, Horizontal and 3D line-array applications
- Multiple 2" long-excursion full-range cone drivers
- Wide horizontal coverage
- Electronically protected
- Selectable 16 Ohm or 64 Ohm impedance
- Selectable wide or narrow vertical coverage
- Weather proof, suitable for outdoor installations - IP54
- Available in black or white

Applications

- Theatre, Club, House of worship
- Front fill and under-balcony fill
- Portable and installed AV systems
- Stage and AV studio monitoring

Accessories

- K-BASE2, K-FLY2, KK-CLUSTER2, K-FOOT2, K-JOINT2, KK-STAGE,
- K-WALL2L, K-WALL2LW, K-WALL2, K-WALL2W, K-KCLAMP/S,
- K-KCLAMP

Acoustics

- Power handling** 200 W (AES)
- Impedance** 16Ω or 64Ω (selectable)
- Frequency range** 150 Hz - 20 KHz.
- Maximum SPL** 118 dB continuous - 124 dB peak

Coverage

- Horizontal** 110°
- Vertical** 10°- 60° (selectable)

Crossover

- Type** External Crossover required
- Frequency** High pass @150 Hz, 24 dB/oct suggested minimum

Transducers

- Full-range** 8 x 2" Neodymium magnet with 0.75" voice coil

Power Audio Input

- Connectors** 2 x 4-pin Speakon
- Wiring** 1+ 1- (signal IN & LINK); 2+ 2- (through)

Selection Switch

- Vertical pattern** Spot - Flood
- Impedance** 16Ω - 64Ω

Physical

- Dimensions** 8.1 x 50 x 5.9 cm (3.19" x 19.7" x 2.32")
- Weight** 2.3 Kg (5.07 lbs)

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installed sound KK52

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Speakers

KK102

3D line-array element, variable beam speaker

The K-array KK102 is a passive speaker system comprised of sixteen 2" neodymium magnet transducers housed in an elegant and sturdy stainless steel chassis.

The vertical dispersion pattern can be switched for wide or narrow coverage, allowing for a great variety of applications. The sixteen closely spaced cone drivers provide true line array characteristics - phase coherence, low distortion and focused listening in both the near field, and at a distance from the speaker.

A variety of rigging accessories provides many linking and hanging options for the KK102 (1 meter) and the smaller (0.5 meter) KK52 to be combined in vertical and horizontal line array configurations to satisfy many different venue requirements during temporary events and for permanent installations.

For easier use and integration with other speakers or amplifiers, the KK102 allows the user to select two different values of impedance (8Ω - 32Ω). At 32Ω as many as 4 KK102 speakers can be powered off a single amplifier channel at 8Ω (up to 8 elements @ 4Ω), which eliminates the need of 70 V amplifiers for wider distributed installed systems.

The KK102 is able to reproduce the whole vocal frequency range with high intelligibility, starting from 150 Hz. Integrating one of the Redline series powered subwoofers (KMT12, KMT18, KMT21), configured with specific presets for the KK102 assures excellent coverage of the entire musical frequency range.

The K-array KA amplifier series have pre-sets optimized for KK102 use that can be uploaded from a computer.

All KK102 components are designed by the K-array R&D department and custom-made under the K-array quality control system.



Features

- Unique performance-to-size ratio
- Vertical, Horizontal and 3D line-array applications
- Multiple 2" long-excursion full-range cone drivers
- Wide horizontal coverage
- Electronically protected
- Selectable 8 Ohm or 32 Ohm impedance
- Weather proof, suitable for outdoor installations- IP54
- Available in black or white

Applications

- Theatre, Club, House of worship
- Front fill and under-balcony fill
- Portable and installed AV systems
- Stage and AV studio monitoring

Accessories

- K-BASE, K-FLY2, KK-CLUSTER2, K-FOOT2, K-JOINT, KK-STAGE,
- K-WALL2L, K-WALL2LW, K-WALL2, K-WALL2W, K-KCLAMP/S,
- K-KCLAMP

Specs

Acoustics	
Power handling	400 W (AES)
Impedance	8Ω or 32Ω (selectable)
Frequency range	150 Hz - 20 KHz.
Maximum SPL	124 dB continuous - 130 dB peak
Coverage	
Horizontal	110°
Vertical	7° - 35° (selectable)
Crossover	
Type	External Crossover required
Frequency	High pass @150 Hz, 24 dB/oct suggested minimum
Transducers	
Full-range	16 x 2" Neodymium magnet with 0.75" voice coil
Power Audio Input	
Connectors	2 x 4-pin Speakon
Wiring	1+ 1- (signal IN & LINK); 2+ 2- (through)
Selection Switch	
Vertical pattern	Spot - Flood
Impedance	8Ω - 32Ω
Physical	
Dimensions	8.1 x 100 x 5.9 cm (3.19" x 39.4" x 2.32")
Weight	4.6 Kg (10.14 lbs)

Notes for data
New materials and design are introduced into existing products without previous notice.
Present systems may differ in some respects from those presented in this catalogue.



Configuration not available for the US market

installed sound KK102

Accessories

Set-up & Configuration



Python

3D line-array element, selectable beam speaker





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Speakers

KP52

3D line-array element, selectable beam speaker

The new K-array KP52 is a passive speaker system comprised of six 3.15" neodymium magnet transducers housed in an elegant and sturdy stainless steel chassis.

The vertical dispersion pattern can be switched for wide or narrow coverage, allowing for a great variety of applications. The six closely spaced cone drivers provide true line array characteristics - phase coherence, low distortion and focused listening in both the near field, and at a distance from the speaker.

A variety of rigging accessories provides many linking and hanging options for the KP52 (0.5 meter) and the larger (1 meter) KP102 to be combined in vertical and horizontal line array configurations to satisfy many different venue requirements during temporary events and for permanent installations.

For easier use and integration with other speakers or amplifiers, the KP52 allows the user to select two different values of impedance (8Ω - 32Ω). At 32Ω as many as 4 KP52 speakers can be powered off a single amplifier channel at 8 Ω (up to 8 units @ 4Ω), which eliminates the need of 70 V amplifiers for wider distributed installed systems.

The KP52 is able to reproduce the whole vocal frequency range with high intelligibility, starting from 100 Hz. Integrating one of the Redline series powered subwoofers (KMT12, KMT18, KMT21), configured with specific presets for the KP52 assures excellent coverage of the entire musical frequency range. The K-array KA amplifier series have pre-sets optimized for KP52 use that can be uploaded from a computer.

All KP52 components are designed by the K-array R&D department and custom-made under the K-array quality control system.



Features

- Unique performance-to-size ratio
- Vertical, Horizontal and 3D line-array applications
- Multiple 3.15" long-excursion full-range cone drivers
- Wide horizontal coverage
- Electronically protected
- Selectable 8 Ohm or 32 Ohm impedance
- Weather proof, suitable for outdoor installations- IP54
- Available in black or white

Applications

- Theatre, Club, House of worship
- Front fill and under-balcony fill
- Portable and installed AV systems
- Stage and AV studio monitoring

Accessories

- K-BASE2, K-FLY2, KP-CLUSTER2, K-FOOT2, K-BASE2, K-JOINT2, KP-STAGE, K-WALL2L, K-WALL2LW, K-WALL2, K-WALL2W

Specs

Acoustics	
Power handling	360 W (AES)
Impedance	8Ω or 32Ω (selectable)
Frequency range	100 Hz - 20 KHz.
Maximum SPL	118 dB continuous - 124 dB peak
Coverage	
Horizontal	90°
Vertical	10°- 45° (selectable)
Crossover	
Type	External Crossover required
Frequency	High pass @100 Hz, 24 dB/oct suggested minimum
Transducers	
Full-range	6 x 3.15" Neodymium magnet with 1" voice coil
Power Audio Input	
Connectors	2 x 4-pin Speakon
Wiring	1+ 1- (signal IN & LINK); 2+ 2- (through)
Selection Switch	
Vertical pattern	Spot - Flood
Impedance	8Ω - 32Ω
Physical	
Dimensions	8.8 x 50 x 11.8 cm (3.56" x 19.7" x 4.65")
Weight	5.8 Kg (12.79 lbs)

Notes for data
New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

installed sound KP52

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Set-up & Configuration





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Speakers

KP102

3D line-array element, selectable beam speaker

The K-array Pythons are passive speaker systems, comprised of 3.15" neodymium magnet transducers housed in an elegant and sturdy stainless steel chassis.

The KP102 features 16 drivers in a 1 m (39.4") chassis. The Kobras' closely spaced cone drivers provide phase coherence, low distortion and focused listening both up close and at a distance.

To accommodate a range of applications, the vertical dispersion pattern can be switched for either wide or narrow coverage. Optional rigging and linking accessories allow multiple speakers to be interconnected, creating a wide array of vertical and horizontal configurations for temporary or permanent installation.

For integration with other speakers or amplifiers, the KP102 offers selectable impedance (4Ω / 16Ω). Set to 16Ω, up to four KP52s can be powered via a single amplifier channel, simplifying installation of wider distributed installed systems.

Pythons are able to reproduce the entire vocal frequency range with excellent intelligibility, starting from 150 Hz. Integrating powered subwoofers from K-array's Redline series (KMT12, KMT18, KMT21) ensures excellent coverage of the entire musical frequency range. K-array's KA amplifier series also features custom presets, optimized for use with the Python series.

All Python components are designed by K-array and custom-made under K-array's quality control system.



Features

- Unique performance-to-size ratio
- Vertical, Horizontal and 3D line-array applications
- Multiple 3.15" long-excursion full-range cone drivers
- Wide horizontal coverage
- Electronically protected
- Selectable 4 Ohm or 16 Ohm impedance
- Selectable vertical pattern (Spot - Flood)
- Weather proof, suitable for outdoor installations
- Available in black or white

Applications

- Theatre, Club, House of worship
- Front fill and under-balcony fill
- Portable and installed AV systems
- Stage and AV studio monitoring

Accessories

- K-BASE2, K-FLY2, KP-CLUSTER2, K-FOOT2, K-BASE2, K-JOINT2, KP-STAGE, K-WALL2L, K-WALL2LW, K-WALL2, K-WALL2W

Specs

Acoustics	
Power handling	720 W (AES)
Impedance	4Ω or 16Ω (selectable)
Frequency range	100 Hz - 20 KHz.
Maximum SPL	128 dB continuous - 134 dB peak
Coverage	
Horizontal	90°
Vertical	7°- 30° (selectable)
Crossover	
Type	External Crossover required
Frequency	High pass @100 Hz, 24 dB/oct suggested minimum
Transducers	
Full-range	12 x 3.15" Neodymium magnet with 1" voice coil
Power Audio Input	
Connectors	2 x 4-pin Speakon
Wiring	1+ 1- (signal IN & LINK); 2+ 2- (through)
Selection Switch	
Vertical pattern	Spot - Flood
Impedance	4Ω - 16Ω
Physical	
Dimensions	8.8 x 100 x 11.8 cm (3.56" x 39.4" x 4.65")
Weight	12 Kg (26.45 lbs)

Notes for data
New materials and design are introduced into existing products without previous notice.
Present systems may differ in some respects from those presented in this catalogue.



installed sound KP102

Accessories
Set-up & Configuration



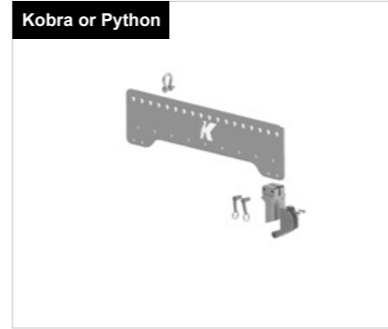


Accessories



K-BASE2

Floor adapter for vertical array of maximum 2 meters of Kobras or Pythons



K-FLY2

Flying bar for maximum 6mt of Pythons or 8mt of Kobras



KK-CLUSTER2

Hardware to make horizontal clusters of Kobras (max 3pcs)



K-WALL2LW

Wall bracket for Kobras and Pythons (basic model) in WHITE



K-WALL2

Wall bracket for Kobras and Pythons (advanced model) in BLACK



K-WALL2W

Wall bracket for Kobras and Pythons (advanced model) in WHITE



KP-CLUSTER2

Hardware to make horizontal clusters of Pythons (max 3pcs)



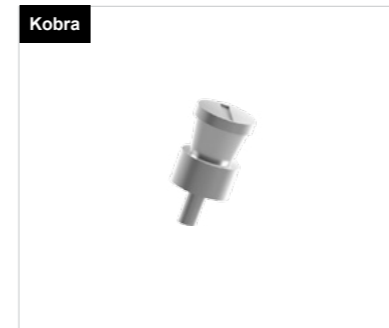
K-FOOT2

Adapter for standing Kobras or Pythons on KMT subwoofers, K-BASE2 and 35mm stands



K-JOINT2

Hardware to connect together 2 Kobras or Pythons (even mixed configurations)



K-KCLAMP/S

Kobra clamp adapter (clamp NOT INCLUDED)



K-KCLAMP

Kobra clamp adapter (clamp INCLUDED)



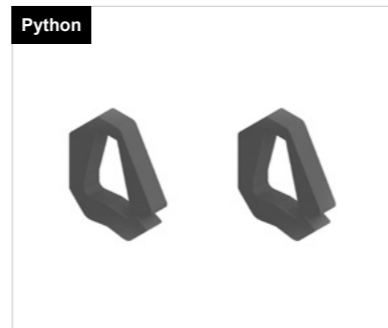
KKS50

KKS50 Flying Bar + Tilter Hardware



KK-STAGE

Rubber adapters to use Kobras in horizontal on the floor (I.E. Monitor or Frontfill)



KP-STAGE

Rubber adapters to use Pythons in horizontal on the floor (I.E. Monitor or Frontfill)



K-WALL2L

Wall bracket for Kobras and Pythons (basic model) in BLACK



K-KSLINK

KKS50 Link Hardware



K-V5Wall1

K-V5Wall1 - Wall bracket for one KV in SILVER

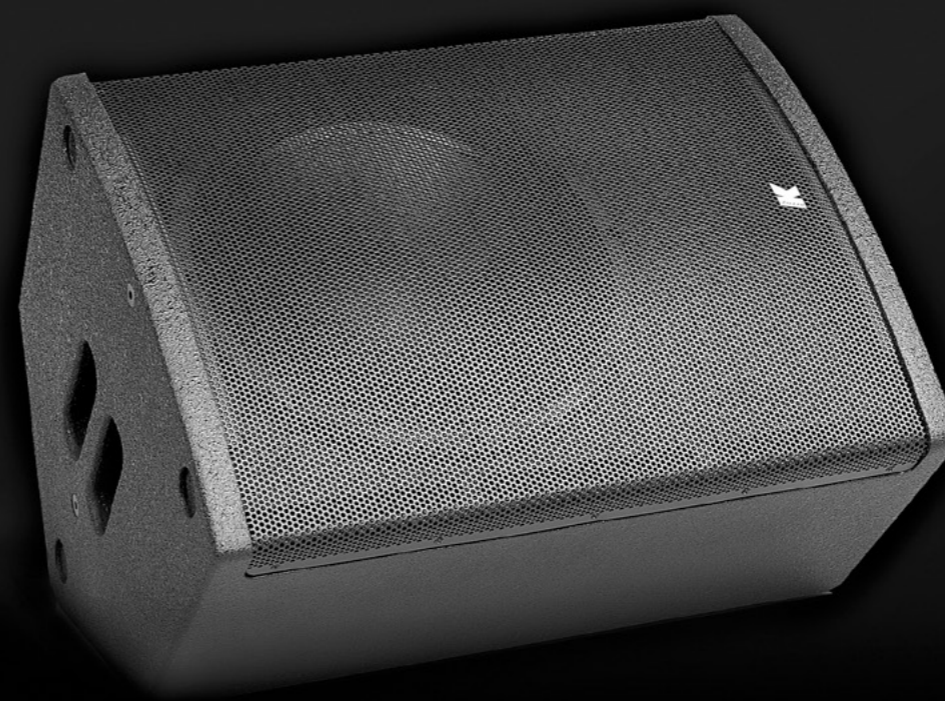


K-ANLink

K-ANLink - Male to female NL4 adapter with CH1/CH2 twister

KF12P

Full range multi-purpose speaker





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Speakers

KF12P

Full range multi-purpose speaker

The KF12MT and the KF12P are K-array's newest multi-task additions to its portfolio of professional, high-quality loudspeakers in the Redline Series. The KF12MT is a 12" coaxial full range multi-purpose powered speaker and is the successor to the long serving KF12 model.

Compared to its predecessor, this portable speaker features exciting updates. The KF12MT's integrated on-board touch screen with matrix control provides intuitive managing and editing of powerful DSP controlling. Additional functionalities include: a delay up to 400ms, parametric filters for room eq, 2 analog + 2 digital inputs in AES/EBU, routing options, USB and Serial connections for remote control and a full range powered output of 1000 W on 8 Ω. Having 2 analog or digital fully independent inputs on board can create real stereo systems using one powered and one passive KF12P speaker. Thanks to its multi-purpose function, it can satisfy many different venue requirements. It is ideally used as a stage monitor due to its wedge shape, as a stereo system with one active (KF12MT) and one passive (KF12P), or as a main PA system for small and medium size events and more. Designed and manufactured in Italy, the KF12MT and the KF12P give uncompromising sound quality in a small footprint and are compatible with a variety of accessories. Housed in a black wood chassis and black steel grill, the KF12MT has a modern, sophisticated look. Customized colors are available upon request.



Features

- Stage monitor on live stages
- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- Portable and installed audio-visual systems
- Cinema and special effects
- Optimized for KF12MT, KMT18 and KA40

Applications

- Unique performance-to-size ratio
- Symmetrical horizontal and vertical coverage
- Angled cabinet for floor monitor use
- Integrated 35mm pole adapter for different uses
- Black wood chassis and black steel grill
- Customized color (only under specific request)

KF12P Specs

Acoustics	
Speaker power handling	800 + 200 W(AES)
Max Power	1200 W ⁽¹⁾
Impedance	8 Ω
Maximum SPL	127 dB (continuous), 133 dB (peak) ⁽²⁾
Coverage	
Horizontal	70°
Vertical	70°
Crossover	
Type	Internal passive crossover
Transducers	
Coaxial Transducer	12" Neodymium magnet Woofer with 3" voice coil Neodymium magnet Compression Driver with 3" Voice Coil
Physical	
Dimensions	39 x 52.2 x 36.5 cm (15.37" x 20.55" x 14.38 ")
Weight	16.2 Kg (35.71 lb)

⁽¹⁾ Maximum RMS applicable power for a musical signal.
The reference signal is the one proposed by EIAJ standard
⁽²⁾ Measured @8 m, then scaled @1 m



Accessories

Set-up & Configuration

installed sound KF12P

Monitors

Ninja

Low profile, variable beam speaker





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Monitor

KJ50VB

Low profile, variable beam speaker

Along with its ultra-slim profile, substantial output capability and smooth frequency response over the full vocal range, the KJ50vb has the unique capability to switch-select the Horizontal coverage pattern and to vary the Vertical coverage through DSP control.

The KJ50vb is specifically designed to work with the K-array KA7-7 four-channel power amplifier. The KA7-7 provides the discrete pre-set DSP control settings for speaker protection, equalization and the vertical beamwidth and steering capabilities.

The KJ50vb speaker system is capable of operating with other power amplifiers and DSP control systems. For these applications please contact K-array technical support at tech@K-array.com.



Accessories
Set-up & Configuration

Features

- Selectable horizontal coverage
 - Variable vertical coverage from external DSP control. +/- 15° focus area
 - Multiple 2" long excursion full-range drivers
 - Smooth frequency response
 - Electronically protected
 - High dynamic range capability
 - Top quality components for outstanding performance
 - Ultra-thin frame for invisible installation
- Available in black or white

Applications

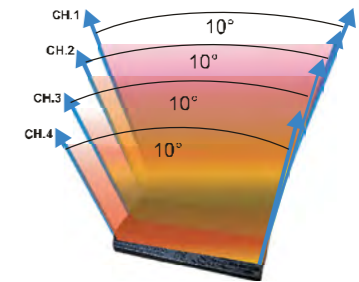
- TV stage monitoring
- Live stage monitoring
- Ceiling PA or monitor installations
- Permanent installations
- Under balcony applications

Specs

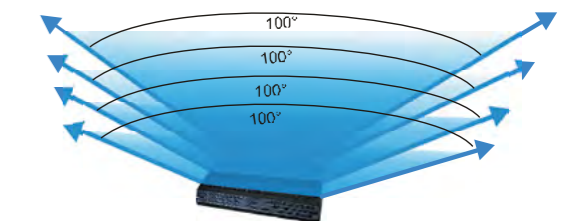
Power handling	4 x 150 W ^(AES)
Impedance	4 x 16Ω (spot mode), 4 x 8Ω (flood mode)
Frequency range	150 Hz - 19 KHz
Maximum SPL	124 dB continuous - 130 dB peak
Coverage	
Horizontal	switchable from Spot (10°) to Flood (100°)
Vertical	DSP dependent 10° 'Narrow' to 70° 'Wide', +/- 15° variable focus in 'Narrow' mode
Speaker input	
Connectors	1 x 8-pin Speakon NL8 input 1 x 8-pin Speakon NL8 Thru
Transducers	
Full-range	36 x 2" neodymium magnet 0.75" VC long-excursion speakers
Recommended Amplifiers	
Type	The K-array KA7-7 amplifier can drive up to 4 x KJ50vb speaker systems in parallel.
Selection Switch	
Coverage	4 x switches for near, mid-near, mid-far and far-field
Physical	
Dimensions	50.3 x 43.3 x 6.1 cm (19.80" x 17.05" x 2.40")
Weight	10 Kg (22.5 lbs)

Notes for data
New materials and design are introduced into existing products without previous notice.
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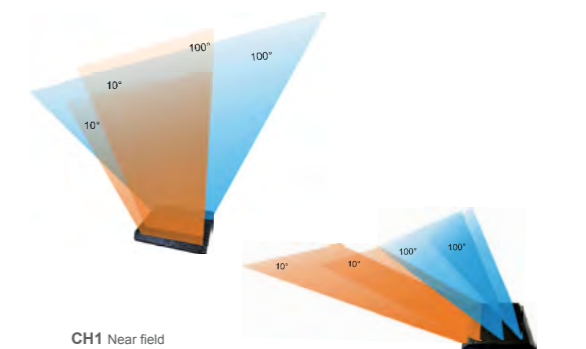
SPOT MODE



FLOOD MODE

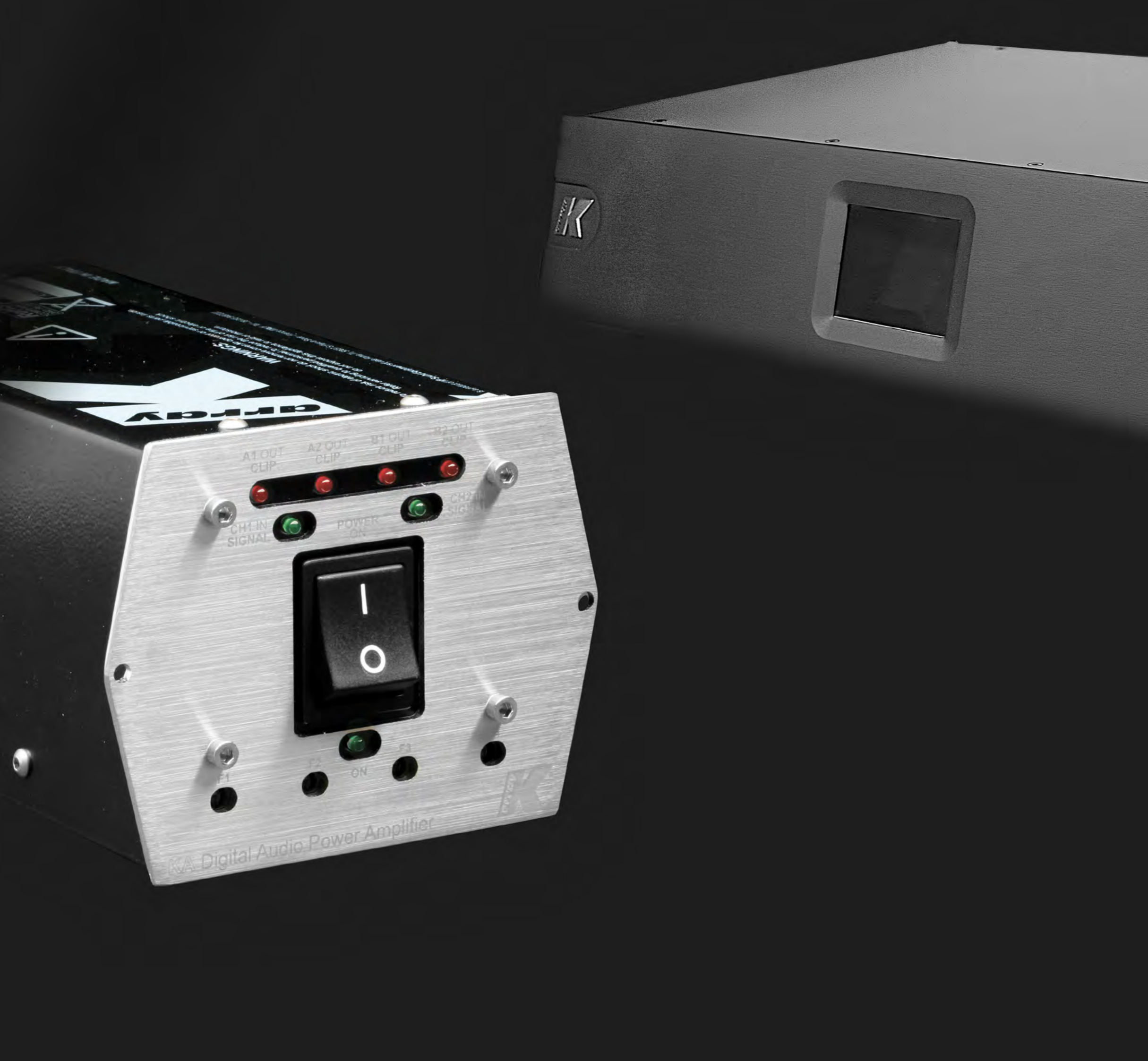


COMBINED MODE



CH1 Near field
CH2 Mid - near field
CH3 Mid-far field
CH4 Far field

installed sound KJ50VB





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Amplifiers

KA1-1

A high technology Class D power amplifier

The amplifier is equipped with two INPUTS and four DSP OUTPUTS that run using K-array eDSP software.

This software runs on all Windows PCs allowing you complete remote control of your amplifier settings from a computer or laptop. It communicates via USB or RS485 (K-USB).

With the eDSP software you can manage EQ, dynamics and signal levels in real time.

There are four different EQ bands per channel which can be set to three different modes: high or low shelf, and peak. You can boost or reduce the energy of any set frequency and process dynamics in stereo channels.

Entering a password, an advanced user can further interact with the inputs for even more detailed control of the unit. You can access further processing on the second input, including 3 more parametric peaking EQ bands and a peak compressor, as well as being able to manage advanced routing options.

The K-array KA1-1 power amplifiers are built so that 4 of them can be installed into 2 rack units. In a light weight aluminum chassis, they are comprised of four output channels providing up to sixteen channels in a standard 2U rack space when mounted together.

KA1-1 amplifiers feature optical limiters, and protection against over temperature, over current and short circuits. KA1-1 amplifiers have on-board eDSP processor that allows to load dedicated presets, optimized for all K-array speaker systems.



Features

- Very light weight
- Compact design
- Optical limiters
- Electronically protected
- Ultra-high efficiency
- DSP on-board
- Remote control
- eDSP management software
- Top quality components for outstanding performance
- Aluminum frame

Applications

- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- Exhibit audio for museum displays
- Cinema and installed AV systems
- Diffused sound systems

Accessories

K-AL66, K-AL, K-AL120, K-AL240, KA-FRAME



installed sound KA1-1

Specs

Output Power	
Max Power 4Ω	4 x 50 W ^(EIAJ)
Max Power 8Ω	4 x 30 W ^(EIAJ)
Connectors	4 x 2-pin Phoenix connector
Audio Input	
Connectors	2 x Female 3-pin bal. XLR
Wiring	Pin1 = Ground Pin2 = Hot (+) Pin3 = Cold (-)
Remote Control	
Software	eDSP
Connectors	2 x Female 8-pin RJ45 (RS485) + USB
DC Power	
Connector	2-pin Phoenix connector
Operating range	12 - 24 Vdc
Physical	
Dimensions	11 x 8.5 x 21 cm (4.33"x 3.5"x 8.27")
Weight	1.03 Kg (2.27 lbs)

Notes for data
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Present systems may differ in some respects from those presented in this catalogue.

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Amplifiers

KA24-KA28

All in one KA amplifier and processing solution

The K-array KA line of power amplifiers are comprised from KA24 and KA84. The KA24 is a 4 channel per 500W on 4ohm and the KA84 is a 4 channel per 2000W on 4ohm. Each model has 4 fully independent and configurable channels. The integrated DSP offers EQ, Matrix, Levels, Delays and Limiter functions on every channel, to avoid the need of external additional processors. The front panel has an easy-to-use touchscreen that gives access to all the basic functions for quick setup and corrections.

The KA24 and KA84 can be used as a mixer for fixed installations thanks to the microphone and Phantom power options available on every analog IN. 2 GPIO ports give easy external analog controls using K-array accessories.

An on-board K-array speaker preset library gives an optimal and easy configuration for endless combinations. All DSP functions are remote controlled via the K-framework software over RS485 (3-pin XLR) or integrated USB connector.

Both amplifiers are built into a 2U light weight aluminium chassis and come with a kit of removable rack adapters and four rubber pads for flat surfaces.

KA amplifiers feature optical limiters, and protection against over temperature, over current and short circuits.

All KA components are designed by the K-array R&D department and custom made under the K-array quality control system.



Features

- 2000W or 8000W in just 2 rack units
- 4 analog IN and 2 AES-EBU IN to 4 fully configurable OUT
- 2 GPIO for external analog controls
- Mic IN and 48V option on all IN for mixer application
- Integrated DSP with processing, matrix and delays
- On-board touch screen for easy access functions
- K-array loudspeaker presets already on-board
- RS485 and USB connectivity for remote control

Applications

- Theatrical sound reinforcement
- Concert halls, clubs, house of worship
- Exhibit audio for museum displays
- Cinema and installed AV systems
- Touring PA and Monitoring

Accessories

K-USB, K-XM45, K-XF45



installed sound KA24 - KA84

KA24 Specs

	Output Power
Max Power 4Ω	4 x 600 W ⁽¹⁾
Max Power 8Ω	4 x 300 W ⁽¹⁾
Max Power - bridged 8Ω	2 x 1200 W ⁽¹⁾
Minimum impedance	4 Ω (single channel mode) 8 Ω (bridge mode)
	Audio Input
Analog Connectors	4 male + 4 female 3-pin balanced XLR
Digital Connectors	1 male + 1 female 3-pin XLR
	Remote Control
Connectors	1 male + 1 female XLR parallel / 1 USB B Jack serial converter
	AC Power
Connector	2 x PowerCon IN/OUT
Operating range	AC 90V - 264V
	Physical
Dimensions	426 mm x 304 mm x 88.2 mm (19.1" x 12" x 3.5")
Weight	5.5 Kg (12.12 lb)

KA84 Specs

	Output Power
	4 x 2000 W ⁽¹⁾
	4 x 1000 W ⁽¹⁾
	2 x 4000 W ⁽¹⁾
	4 Ω (single channel mode) 8 Ω (bridge mode)
	Audio Input
	4 male + 4 female 3-pin balanced XLR
	1 male + 1 female 3-pin XLR
	Remote Control
	1 male + 1 female XLR parallel / 1 USB B Jack serial converter
	AC Power
	2 x PowerCon IN/OUT
	AC 90V - 264V
	Physical
	426 mm x 304 mm x 88.2 mm (19.1" x 12" x 3.5")
	6.1 Kg (13.45 lb)

Notes for data
1: EIAJ Test Standard, 1KHz, 1%THD
New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue

Accessories
Set-up & Configuration



Subwoofers

KMTP

Ultra-light high-power subwoofers



array K

array K
K



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Subwoofers

KMT12P

Ultra-light high-power 12" subwoofer

The KMT12P is a high performance sub-bass system designed for use with small to medium wavefront systems, in both touring and install applications. It features a 600 watt 12" drive unit with magnet structure and suspension engineered for maximum linear excursion.

The ultra-light reflex cabinet is fitted with two pocket handles and one M20 thread mount position for attaching mid-high speakers . It features large area porting to reduce air noise.

The KMT12P is ideal for small throw applications, like theaters, concert halls, AV installations.

All the KMT12P components are designed by K-array R&D department and custom made under K-array control quality system.



Features

- Unique performance-to-size ratio
- High power 128 dB continuous - 134 dB peak
- Fitted with integral handles and castors
- Direct radiating, long excursion 12" driver
- Ultra fast set-up and dismantling system

Applications

- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- Portable and installed audio-visual systems
- Cinema surround sound and effects

KMT18P

Ultra-light high-power 18" subwoofer

The KMT18P is a high performance sub-bass system designed for use with small to medium wavefront systems, in both touring and install applications. It features a 800 watt 18" drive unit with magnet structure and suspension engineered for maximum linear excursion. The ultra-light reflex cabinet is fitted with two pocket handles and one M20 thread mount position for attaching mid-high speakers . It features large area porting to reduce air noise.

The KMT18P is designed to be powered by KMT18 speakon output and to be easily integrated with KK102 mid-high speakers.

The KMT18P is ideal for medium throw applications, like theaters, concert halls, AV installations.

All the KMT18P components are designed by K-array R&D department and custom made under K-array control quality system.



Features

- Unique performance-to-size ratio
- High power 128 dB continuous - 134 dB peak
- Fitted with integral handles and castors
- Direct radiating, long excursion 18" driver
- Ultra fast set-up and dismantling system

Applications

- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- Portable and installed audio-visual systems
- Cinema and special effects

KMT21P

Ultra-light high-performance 21" subwoofer

The KMT21P is a high performance sub-bass system designed for use with small to medium wavefront systems, in both touring and install applications. It features a 1800 watt 21" drive unit with magnet structure and suspension engineered for maximum linear excursion.

The ultra-light reflex cabinet is fitted with two pocket handles and one M20 thread mount position for attaching mid-high speakers .

It features large area porting to reduce air noise.

The KMT21P is ideal for small throw applications, like theaters, concert halls, AV installations.

All the KMT21P components are designed by K-array R&D department and custom made under K-array control quality system.



Features

- Unique performance-to-size ratio
- High power 132 dB continuous - 138 dB peak
- Fitted with integral handles and castors
- Direct radiating, long excursion 21" driver
- Ultra fast set-up and dismantling system

Applications

- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- Portable and installed audio-visual systems
- Cinema and special effects

KMT12P Specs

Acoustics	
Power handling	700W (AES)
Impedance	8 Ω
Frequency range	40Hz - 150 Hz +/- 3dB (preset dependent)
Maximum SPL	128 dB continuous - 134 dB peak
Coverage	
Horizontal	Omni
Vertical	Omni
Crossover	
Type	External Crossover required
Frequency	low pass @150 Hz maximum
Transducers	
Full-range	1 x 12" Neodymium speakers with 3" voice coil
Physical	
Dimensions	32.5 x 33.5 x 43.5 cm (12.91" x 13.19" x 17.13")
Weight	12.6 Kg (27.78 bs)

KMT18P Specs

Acoustics	
Power handling	800W (AES)
Impedance	8 Ω
Frequency range	30Hz - 150 Hz +/- 3dB (preset dependent)
Maximum SPL	128 dB continuous - 134 dB peak
Coverage	
Horizontal	Omni
Vertical	Omni
Crossover	
Type	External Crossover required
Frequency	low pass @150 Hz maximum
Transducers	
Full-range	1 x 18" Neodymium speakers with 3" voice coil
Physical	
Dimensions	46.5 x 47.5 x 61 cm (18.31" x 18.70" x 24.02")
Weight	24.6 Kg (54.23 lbs)

KMT21P Specs

Acoustics	
Power handling	1800W (AES)
Impedance	4 Ω
Frequency range	30Hz - 150 Hz +/- 3dB (preset dependent)
Maximum SPL	132 dB continuous - 138 dB peak
Coverage	
Horizontal	Omni
Vertical	Omni
Crossover	
Type	External Crossover required
Frequency	low pass @150 Hz maximum
Transducers	
Full-range	1 x 21" Neodymium speakers with 4" voice coil
Physical	
Dimensions	55.5 x 55.5 x 77.7 cm (21.85" x 21.85" x 30.59")
Weight	44.5 Kg (98.11 lbs)

Notes for data
New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

installed sound KMT12P - KMT18P - KMT21P



Accessories
Set-up & Configuration

KRM33P

Low profile variable coverage speaker





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Monitors

KRM33P

Low profile variable coverage speaker

The KRM33 (the KRM33P is the passive model) or “the cheese box” as it has been affectionately nicknamed, is an ultra-compact and low-profile powered wedge speaker with a controlled horizontal pattern and has an extended frequency response. It is made up of three 3.15” cone drivers and one 6” passive radiator. This combination guarantees a controlled and linear emission on a really wide range, with a bass enhancement mode that can go from 70Hz to 18KHz.

The KRM33 is equipped with a two channel amplifier and a DSP that can be used to adjust the EQ directly inside the box. An USB direct connection guarantees an easy plug & play connection. The DSP also offers the possibility of changing the horizontal pattern of the single speaker and its bass response, two buttons located at the back of the box are used to quickly change these settings without the need of a computer.

The controlled horizontal dispersion gives the possibility of creating horizontal arrays which increase the SPL and the coverage while maintaining a high and constant signal-before-feedback within all the cluster’s beams.

The stainless steel chassis is a sturdy and durable box solution which is also remarkably short in height. Thanks to this feature the KRM33 can be easily and discreetly integrated in scenography designs, broadcast studios as well as under-balcony speakers in theaters.

All the components of the Redline KRM33 are designed by the K-array R&D department and made in Italy under the K-array quality control system.



KRM33P

Features

- Selectable horizontal coverage
- Extended frequency response
- Strong stainless steel chassis
- Controlled horizontal dispersion

Applications

- Arrayable wedge monitor
- Ceiling and under-balcony speaker
- Corporate installations
- House of worship
- Small clubs
- Theatrical sound reinforcement



KRM33P Specs

Acoustics	
Speaker power handling	180W ^(AES)
Max Power	300 W ⁽¹⁾
Impedance	8 Ω
Maximum SPL	115 dB (continuous), 121 dB (peak) ⁽²⁾
Coverage	
Horizontal	30° - 70° selectable
Vertical	90°
Crossover	
Type	External crossover required
Frequency	High pass @ 70 Hz, 24 dB/oct. suggested minimum
Transducers	
Full-range	3 X 3,15 Neodymium cone driver with 1" voice coil
Physical	
Dimensions	266 mm x 103 mm x 302 mm (10,47" x 4,06" x 11,89")
Weight	4,4 Kg (9,5 lb)

⁽¹⁾ Maximum RMS applicable power for a musical signal. The reference signal is the one proposed by EIAJ standard
⁽²⁾ Measured with musical signal

- Accessories
- Set-up & Configuration

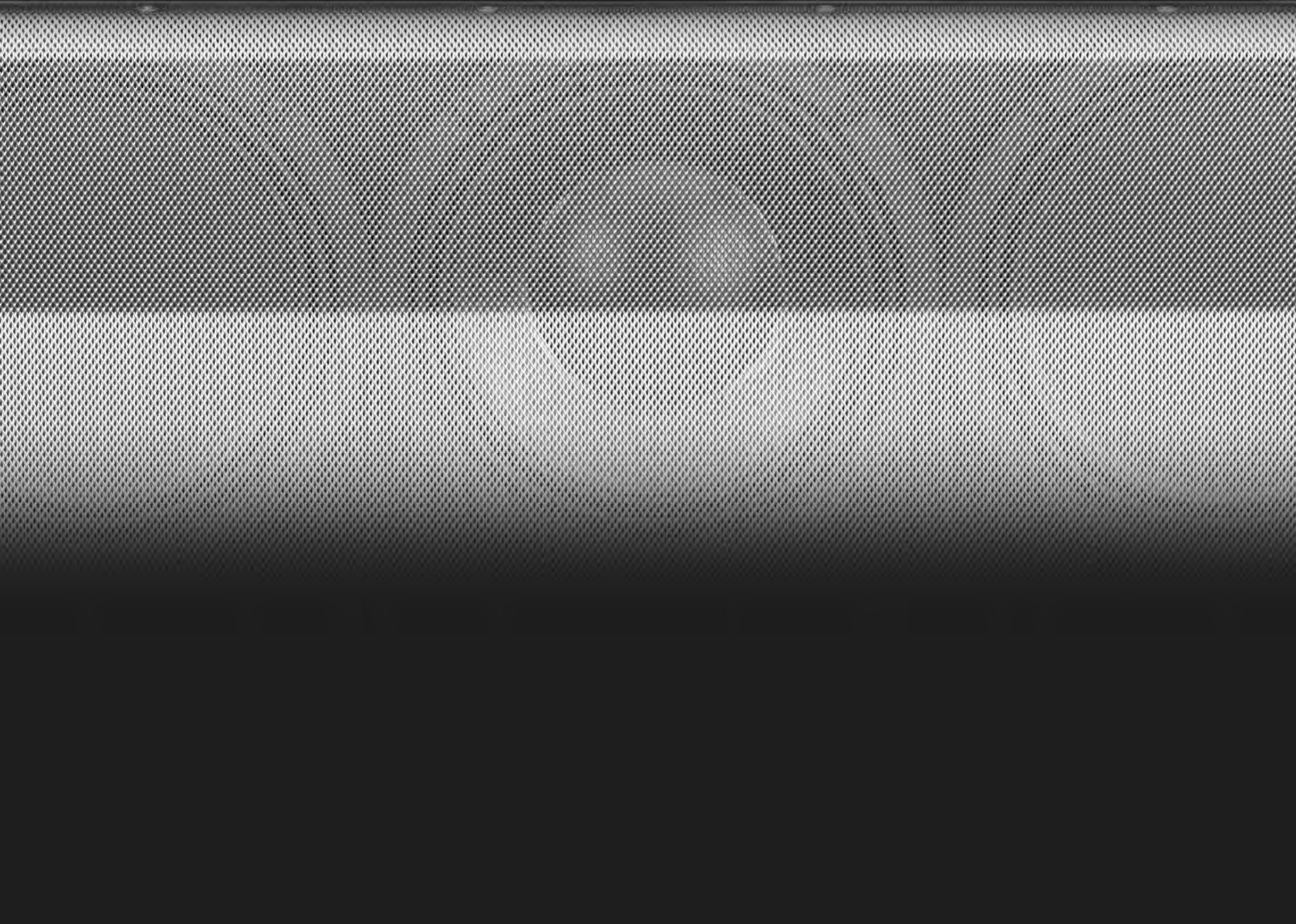


installed sound KRM33P

Subwoofers

Rumble

Ultra slim, high power Subwoofer





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Subwoofers

KU36

Ultra slim, high power subwoofer

With a frequency range of 45Hz to 300Hz, the KU36 is the perfect companion to any of the K-array Installation Series speakers, as well as the KZ12 or KV50.

The combination provides full range frequency response with prodigious output and a virtually invisible profile. KA series amplifiers have presets specifically optimized for KU36 applications.

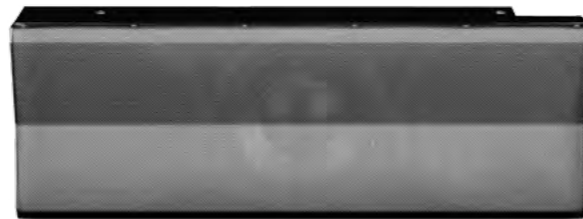
It is comprised of 1 x 6" neodymium transducer, combined with 2 x 6" passive transducers, instead of reflex, which ensures that the device remains completely sealed.

The unit is engineered for maximum linear excursion and minimum residual noise.

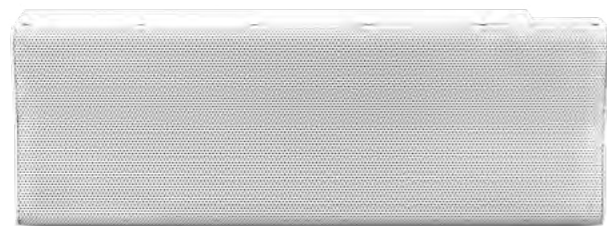
Its neodymium transducer has a double coil controlled by two amplified channels.

The KU36 is made entirely of steel, making it extremely resistant, even when deployed outside in tough weather conditions. This makes it ideal for marine environments where ordinary bass speakers would corrode. As the chassis is completely sealed, it cannot be penetrated by foreign objects such as dust, sand or water, which over time can ruin a speaker.

All KU36 components are designed by the K-array R&D department and custom made under the K-array quality control system.



KU36



KU36W



Features

- Unique performance-to-size ratio
- 6" long-excursion woofer
- Double 6" passive radiator
- Extended frequency response
- Electronically protected
- Integrated flying points
- Double voice coil (4Ω+4Ω)
- Top quality components for outstanding performance
- Weather proof, suitable for outdoor installations
- Available in black or white

Applications

- Theatre, Club, House of worship
- To extend the low range in small and medium rooms
- Portable and installed AV systems
- Stage and AV studio monitoring

Specs

Acoustics	
Speaker power handling	2 X 80 W ^(EAS)
Operating frequency range	45 Hz - 300 Hz (preset dependent)
Impedance	2 x 4 Ω
Maximum SPL	115 dB continuous - 121 dB peak
Transducers	
Full range	1 X 6" Neodymium magnet with 1.5" voice coil + 2 X 6" passive transducer
Impedance	2 x 4 Ω
Physical	
Dimensions	50.7 x 17.5 x 10.6 cm (19.96" x 6.89" x 4.17")
Weight	6.4 Kg (14.11 lbs)

New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.



installed sound KU36

Accessories
Set-up & Configuration





Accessories



K-AL15
Power Supply 1 Tornado (background or speech)



K-AL66
Power Supply 2 Tornado (full power) 4 Tornado (background or speech)



K-AL75
DIN rail PS 3 Tornado (full power) 6 Tornado (background or speech)



KA1-T2H
12v/24v amplifier module.



K-KWALL1
Adjustable wall bracket , in BLACK



K-XM45
XLR Male to RJ45 adapter



K-AL120
DIN rail PS 5 Tornado (full power) 10 Tornado (background or speech)



K-AL240
DIN rail PS 12 Tornado (full power) 24 Tornado (background or speech)



KA-FRAME
Rack Adapter for 4 pcs of KA1-1 and K-CTRL



KN-FLY
Flying bar + filter for KN10 - KN6 systems (max 6 KN6 or 4 KN10S)



K-USB
USB-RS485 Interface for K-array Systems including 1 K-XM45 and 1 K-XF45



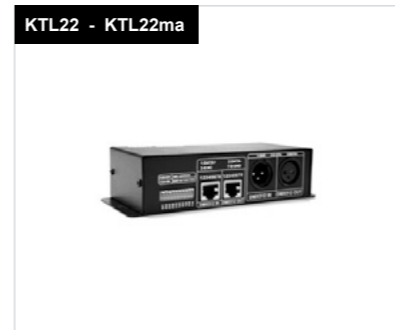
K-XF45
XLR Female to RJ45 adapter



TORNADO



K-CTRL
DMX-controlled 3-Channel power supply works as the power supply and DMX function controller for the LED component of the K-array KTL22 series of combined Speaker/Lighting fixtures. Colourmix, intensity and program operation mode can all be preset. The K-CTRL can also operate using an internal microphone for sound-to-light operation. Any settings are maintained when power is off and will return to the last setting when powered on again. A number of KTL22 series fixtures can be controlled from a single K-CTRL.



KTL22 - KTL22ma

K-RGBDMX
DMX Controller for LED



KTL22 - KTL22ma

K-RGBREM
XLR Female to RJ45 adapter



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Dimension	Boardroom	Store	House of worship	Restaurant
100m2	2 x KV50 1 x KU36 1 x KA7-7	KZ124 Pack	2 x KK52 2 x KU36 1 x KA7-7	KZ124 Pack
300m2	1 2 x KK52 2 x KU36 1 x KA7-7	2 4 x KT22 2 x KU36 1 x KA7-7	1 2 x KK102 2 x KMT12P 1 x KA10-10	3 4 x KTL22 2 x KU36 1 x KA7-7 1 x K-ctrl
500m2	2 x KK102 2 x KMT12P 1 x KA10-10	8 x KV50 4 x KU36 2 x KA7-7	4 x KK102 2 x KMT12P 1 x KA10-10	8 x KV50 4 x KU36 2 x KA7-7
1.000m2	4 x KK102 2 x KK52 2 x KMT12P 1 x KA10-10 1 x KA10	4 x KK102 2 x KMT12P 1 x KA10-10	4 x KK102 2 x KK52 2 x KMT12P 1 x KA10-10 1 x KA10	4 x KK102 2 x KMT12P 1 x KA10-10

Accessories
Set-up & Configuration



Installation set-up and configuration



Portable Systems



Systems

Full Range Systems

KB1-KB1R

Portable line array for musician's sound



KR102

High tech ultra-light powered stereo system



KR202

High tech ultra-light powered stereo system



KR402

High tech ultra-light powered stereo system



Subwoofers

KMT

KMT12

High tech multi-task powered 12" subwoofer with DSP and power output



KMT18

High tech multi-task powered 18" subwoofer with DSP and power output



KMT21

High tech multi-task powered 21" subwoofer with DSP and power output



Speakers

Full Range Speakers

KF12MT

Full range multi-purpose powered speaker



Monitors

KRM33

KRM33

Low profile variable coverage speaker



Systems

Full Range Systems

Portable, powered stereo systems





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Systems

KB1-KB1R

Portable line array for musician's sound

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The KB1 is a complete personal sound system designed for musicians who want an all in one easy portable PA package. Applications for this product include acoustic performers, music and speech reinforcement, a portable AV, stage monitoring, front fill and if doubled-up, as a main stereo PA system for an event.

The system is a PA solution that features a line array top for high frequencies, and a 12" subwoofer for the lowest, a built in 4 channel mixer, and multi effects with 16 presets engine built-in. The K-framework managing software allows you to control the system from your computer. You can control the system's capabilities such as parametric EQs, dynamic compressors and routing and you can configure it to be your main PA as well as your stage monitor system. The digital mixer with 4 inputs allows those with more than one instrument to produce a unified sound, either to a sound technician or directly to the public. Input levels, EQ parameters on each input channel, multi-effects with 16 presets, compressors, regulation of an auxiliary output, a headphones output, a main output channel, parameter filters for equalizing the speaker on output, are on board the main integrated mixer. After downloading the software you are up and running very quickly and easily.

All KB1 components are designed by the K-array R&D department and custom made under the K-array quality control system.



Features

- Direct Pc Connection
- Multi-effects with 16 presets
- Variable vertical coverage
- Integrated digital mixer with 4 inputs
- EQ parameters on each input channel
- Auxiliary output regulation
- Headphones output
- A main output channel with parameter filters for equalizing (WIFI connection and iPad remote control available with eFun-W)

Applications

- Band
- Piano bar
- Solo
- DJ
- Light orchestra
- Audio/Visual
- Speech

System components



Accessories

eFUN-W, KB1-FLY, KB1 STACK4, KB1 STACK2



portable systems KB1

KB1 Specs

	Acoustics
Frequency range	30 Hz - 20 KHz
Maximum SPL	112 dB continuous - 118 dB peak
Coverage	
Horizontal	90°
Vertical	10° / 60° (digitally controlled)
Crossover	
Type	DSP controlled
Frequency	200 Hz
Remote control Input	
Connectors	1 x USB
Power Audio Input	
Connectors	1 x VDE power plug
Amplifiers	
Type	1 modules class D - DSP controlled
Power to mid-high	125 W x 2 channels (250 watt total) ¹
Power to sub	450 W ¹
Protection	Dynamic limiter, over current, over temp, short circuits
Physical	
Dimensions	32.5 x 178 -220 x 43.5 cm (12.8" x 70"-86" x 17.13")
Weight	22 Kg (48.5 lbs)

KB1R Specs

	Acoustics
Frequency range	30 Hz - 20 KHz
Maximum SPL	112 dB continuous - 118 dB peak
Coverage	
Horizontal	90°
Vertical	10° / 60° (digitally controlled)
Crossover	
Type	DSP controlled
Frequency	200 Hz
Remote control Input	
Connectors	1 x USB
Power Audio Input	
Connectors	1 x VDE power plug
Amplifiers	
Type	1 modules class D - DSP controlled
Power to mid-high	120 W x 2 channels (240 watt total) ¹
Power to sub	450 W ¹
Protection	Dynamic limiter, over current, over temp, short circuits
Physical	
Dimensions	32.5 x 178 -220 x 43.5 cm (12.8" x 70"-86" x 17.13")
Weight	21.5 Kg (47.4 lbs)

Notes for data
¹ Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance.
 New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this brochure.

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 Set-up & Configuration





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Systems

KR102

High tech ultra-light powered stereo system

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The K-array Research and Development, Engineering and Manufacturing divisions have developed three new integrated, self-powered speaker systems, featuring Mid-Hi line array elements matched to powered Subwoofers. All the systems feature two channels of class D amplification, housed in the sub-woofer. The rear panel provides input for a balanced line signal, a balanced microphone signal with phantom power, and digital signals in AES/EBU protocol, also on an XLR for ease of cabling. An integrated touch screen provides intuitive managing and editing of powerful DSP controlling: Input and output levels, internally generated test signal, In/Out routing, subwoofer delay (up to 12 ms.), speakon output to the Mid-H element with delay (up to 12 ms.), and overall system delay (up to 330 ms.)

All DSP functions, including EQ can be controlled with remote managing software via USB or RS485, again, conveniently on a standard XLR.

There are 40 different DSP presets, specifically made by K-array to optimize the systems' performance for the variety of device configuration available. In addition the user can also create, save, and store his/her own personal presets on the module. The unique four-corner port configuration gives symmetrical back loading to the sub speaker for extended bass response with very low distortion. This also gives incredible structural strength to the cabinet despite its light weight. Pocket handles in the sub and an M20 thread mount position for attaching mid-high speakers, with a variety of mounting and rigging hardware options make the latest additions to the K-array Redline Series very versatile in almost any application and in every type of venue.

KR102 features a pair of KMT12 (12") subs each with 2 channels of 1,000 Watts matched to a KK102 with 16 x 2" Neodymium speaker elements.

All Redline systems are designed by the K-array R&D department and custom-made under the K-array quality control system.



Features

- Unique performance-to-size ratio
- High power 126 dB continuous, 132 dB peak
- Fitted with integral handles
- Line array emission wavefront
- DSP on-board with dedicated presets
- Ultra fast set-up and dismantling system
- Analog and digital AES-EBU inputs
- RS485 and USB connectivity for remote control

Applications

- Concert halls
- Theatrical sound reinforcement
- Houses of worship
- Clubs
- A/V systems
- Cinema and special effects

System components



Accessories

K-BASE2, K-FLY2, KK-CLUSTER2, K-FOOT2, K-JOINT2, KK-STAGE, K-WALL2L, K-WALL2LW, K-WALL2, K-WALL2W, K-KCLAMP/S, K-KCLAMP

KK102 Specs

Acoustics	
Power handling	400 W ^(AES)
Impedance	8Ω or 32Ω (selectable)
Frequency range	150 Hz - 20 KHz.
Maximum SPL	124 dB continuous - 130 dB peak
Coverage	
Horizontal	110°
Vertical	7° - 35° (selectable)
Crossover	
Type	External Crossover required
Frequency	High pass @150 Hz, 24 dB/oct suggested minimum
Transducers	
Full-range	16 x 2" Neodymium magnet with 0.75" voice coil
Power Audio Input	
Connectors	2 x 4-pin Speakon
Wiring	1+ 1- (signal IN & LINK); 2+ 2- (through)
Selection Switch	
Vertical pattern	Spot - Flood
Impedance	8Ω - 32Ω
Physical	
Dimensions	8.1 x 100 x 5.9 cm (3.19" x 39.4" x 2.32")
Weight	4.6 Kg (10.14 lbs)

KMT12 Specs

Acoustics	
Power handling	700 W ^(AES)
Frequency range	40Hz - 150 Hz +/- 3dB (preset relating)
Impedance	8Ω
Maximum SPL	128 dB continuous - 134 dB peak
Coverage	
Horizontal	Omni
Vertical	Omni
Crossover	
Type	DSP controlled
Frequency	150 Hz maximum (preset dependent)
Transducers	
Full-range	1 x 12" Neodymium speakers with 3" voice coil
Amplifiers	
Type	1 module class D - DSP controlled
Power	2x 1000 Watt ¹ @8Ω
Protection	Dynamic limiter, over current, over temp, short circuits
Physical	
Dimensions	32.5 x 33.5 x 43.5 cm (12.91" x 13.19" x 17.13")
Weight	15.6 Kg (34.39 lbs)

Notes for data
New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

Notes for data
1. Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance. New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

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Systems

KR202*

High tech ultra-light powered stereo system

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The K-array Research and Development, Engineering and Manufacturing divisions have developed three new integrated, self-powered speaker systems, featuring Mid-Hi line array elements matched to powered Subwoofers. All the systems feature two channels of class D amplification, housed in the sub-woofer. The rear panel provides input for a balanced line signal, a balanced microphone signal with phantom power, and digital signals in AES/EBU protocol, also on an XLR for ease of cabling. An integrated touch screen provides intuitive managing and editing of powerful DSP controlling: Input and output levels, internally generated test signal, In/Out routing, subwoofer delay (up to 12 ms.), speakon output to the Mid-H element with delay (up to 12 ms.), and overall system delay (up to 330 ms.) All DSP functions, including EQ can be controlled with remote managing software via USB or RS485, again, conveniently on a standard XLR. There are 40 different DSP presets, specifically made by K-array to optimize the systems' performance for the variety of device configuration available. In addition the user can also create, save, and store his/her own personal presets on the module. The unique four-corner port configuration gives symmetrical back loading to the sub speaker for extended bass response with very low distortion. This also gives incredible structural strength to the cabinet despite its light weight. Pocket handles in the sub and an M20 thread mount position for attaching mid-high speakers, with a variety of mounting and rigging hardware options make the latest additions to the K-array Redline Series very versatile in almost any application and in every type of venue. KR202 features a pair of KMT18 (18") subs each with 2 channels of 1,000 Watts matched to two KK102 Mid-High arrays. A coupling assembly allows the speakers to be mounted side-by-side, giving the ability to vary the vertical dispersion pattern for narrow to wide coverage. All Redline systems are designed by the K-array R&D department and custom-made under the K-array quality control system.



Features

- Unique performance-to-size ratio
- High power 130 dB continuous, 136 dB peak
- Fitted with integral handles
- Line array emission wavefront
- DSP on-board with dedicated presets
- Ultra fast set-up and dismantling system
- Analog and digital AES-EBU inputs
- RS485 and USB connectivity for remote control

Applications

- Concert halls
- Theatrical sound reinforcement
- Houses of worship
- Clubs
- A/V systems
- Cinema and special effects

System components



Accessories

K-BASE2, K-FLY2, KK-CLUSTER2, K-FOOT2, K-JOINT2, KK-STAGE, K-WALL2L, K-WALL2LW, K-WALL2, K-WALL2W, K-KCLAMP/S, K-KCLAMP

	KK102 Specs	KMT18 Specs
	Acoustics	Acoustics
Power handling	400 W ^(AES)	800 W ^(AES)
Impedance	8Ω or 32Ω (selectable)	8Ω
Frequency range	150 Hz - 20 KHz.	30Hz - 150 Hz +/- 3dB (preset relating)
Maximum SPL	124 dB continuous - 130 dB peak	130 dB continuous - 136 dB peak
	Coverage	Coverage
Horizontal	110°	Omni
Vertical	7° - 35° (selectable)	Omni
	Crossover	Crossover
Type	External Crossover required	DSP controlled
Frequency	High pass @150 Hz, 24 dB/oct suggested minimum	150 Hz maximum (preset dependent)
	Transducers	Transducers
Full-range	16 x 2" Neodymium magnet with 0.75" voice coil	1 x 18" Neodymium speakers with 3" voice coil
	Power Audio Input	Amplifiers
Connectors	2 x 4-pin Speakon	Type
Wiring	1+ 1- (signal IN & LINK); 2+ 2- (through)	Power
	Selection Switch	Protection
Vertical pattern	Spot - Flood	Dynamic limiter, over current, over temp, short circuits
Impedance	8Ω - 32Ω	Physical
	Physical	Dimensions
Dimensions	8.1 x 100 x 5.9 cm (3.19" x 39.4" x 2.32")	46.5 x 47.5 x 61 cm (18.31" x 18.70" x 24.02")
Weight	4.6 Kg (10.14 lbs)	Weight
		27.6 Kg (60.85 lbs)
	<small>Notes for data 1. Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance. New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.</small>	<small>Notes for data 1. Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance. New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.</small>

*Not available for the US market
For the US version visit <http://usa.k-array.com/>



portable systems KR202

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Systems

KR402

High tech ultra-light powered stereo system

The K-array Research and Development, Engineering and Manufacturing divisions have developed three new integrated, self-powered speaker systems, featuring Mid-Hi line array elements matched to powered Subwoofers. All the systems feature two channels of class D amplification, housed in the sub-woofer. The rear panel provides input for a balanced line signal, a balanced microphone signal with phantom power, and digital signals in AES/EBU protocol, also on an XLR for ease of cabling. An integrated touch screen provides intuitive managing and editing of powerful DSP controlling: Input and output levels, internally generated test signal, In/Out routing, subwoofer delay (up to 12 ms.), speakon output to the Mid-H element with delay (up to 12 ms.), and overall system delay (up to 330 ms.) All DSP functions, including EQ can be controlled with remote managing software via USB or RS485, again, conveniently on a standard XLR. There are 40 different DSP presets, specifically made by K-array to optimize the systems' performance for the variety of device configuration available. In addition the user can also create, save, and store his/her own personal presets on the module. The unique four-corner port configuration gives symmetrical back loading to the sub speaker for extended bass response with very low distortion. This also gives incredible structural strength to the cabinet despite its light weight. Pocket handles in the sub and an M20 thread mount position for attaching mid-high speakers, with a variety of mounting and rigging hardware options make the latest additions to the K-array Redline Series very versatile in almost any application and in every type of venue. KR402 features a pair of KMT21 (21") subs each with 2 channels of 2,000 Watts matched to two KP102 Mid-High arrays. A coupling assembly allows the speakers to be mounted side-by-side, giving the ability to vary the vertical dispersion pattern for narrow to wide coverage. All Redline systems are designed by the K-array R&D department and custom-made under the K-array quality control system.



Features

- Unique performance-to-size ratio
- High power 132 dB continuous, 138 dB peak
- Fitted with integral handles
- Line array emission wavefront
- DSP on-board with dedicated presets
- Ultra fast set-up and dismantling system
- Analog and digital AES-EBU inputs
- RS485 and USB connectivity for remote control

Applications

- Concert halls
- Theatrical sound reinforcement
- Houses of worship
- Clubs
- A/V systems
- Cinema and special effects

System components



Accessories

K-BASE2, K-FLY2, KK-CLUSTER2, K-FOOT2, K-JOINT2, KK-STAGE, K-WALL2L, K-WALL2LW, K-WALL2, K-WALL2W, K-KCLAMP/S, K-KCLAMP

KP102 Specs

Acoustics	
Power handling	720 W (AES)
Impedance	4Ω or 16Ω (selectable)
Frequency range	100 Hz - 20 KHz.
Maximum SPL	128 dB continuous - 134 dB peak
Coverage	
Horizontal	90°
Vertical	7°- 30° (selectable)
Crossover	
Type	External Crossover required
Frequency	High pass @100 Hz, 24 dB/oct suggested minimum
Transducers	
Full-range	12 x 3.15" Neodymium magnet with 0.75" voice coil
Power Audio Input	
Connectors	2 x 4-pin Speakon
Wiring	1+ 1- (signal IN & LINK); 2+ 2- (through)
Selection Switch	
Vertical pattern	Spot - Flood
Impedance	4Ω - 16Ω
Physical	
Dimensions	8.8 x 100 x 11.8 cm (3.56" x 39.4" x 4.65")
Weight	12 kg (26.45 lbs)

KMT21 Specs

Acoustics	
Power handling	1800 W (AES)
Frequency range	30Hz - 150 Hz +/- 3dB (preset relating)
Impedance	4Ω
Maximum SPL	132 dB continuous - 138 dB peak
Coverage	
Horizontal	Omni
Vertical	Omni
Crossover	
Type	DSP controlled
Frequency	150 Hz maximum (preset dependent)
Transducers	
Full-range	1 x 21" Neodymium speakers with 4" voice coil
Amplifiers	
Type	1 module class D - DSP controlled
Power	2x 2400 Watt ¹ @4Ω
Protection	Dynamic limiter, over current, over temp, short circuits
Physical	
Dimensions	55.5 x 55.5 x 77.7 cm (21.85" x 21.85" x 30.59")
Weight	49 Kg (108.03 lbs)

Notes for data
1. Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance. New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

Notes for data
New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

portable systems KR402



Accessories
Set-up & Configuration

KRM33

Low profile variable coverage speaker





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Monitors

KRM33

Low profile variable coverage speaker

The KRM33 (the KRM33P is the passive model) or “the cheese box” as it has been affectionately nicknamed, is an ultra-compact and low-profile powered wedge speaker with a controlled horizontal pattern and has an extended frequency response. It is made up of three 3.15” cone drivers and one 6” passive radiator. This combination guarantees a controlled and linear emission on a really wide range, with a bass enhancement mode that can go from 70Hz to 18KHz.

The KRM33 is equipped with a two channel amplifier and a DSP that can be used to adjust the EQ directly inside the box. An USB direct connection guarantees an easy plug & play connection. The DSP also offers the possibility of changing the horizontal pattern of the single speaker and its bass response, two buttons located at the back of the box are used to quickly change these settings without the need of a computer.

The controlled horizontal dispersion gives the possibility of creating horizontal arrays which increase the SPL and the coverage while maintaining a high and constant signal-before-feedback within all the cluster’s beams.

The stainless steel chassis is a sturdy and durable box solution which is also remarkably short in height. Thanks to this feature the KRM33 can be easily and discreetly integrated in scenography designs, broadcast studios as well as under-balcony speakers in theaters.

All the components of the Redline KRM33 are designed by the K-array R&D department and made in Italy under the K-array quality control system.



KRM33

Features

- Selectable horizontal coverage
- Extended frequency response
- Strong stainless steel chassis
- Controlled horizontal dispersion

Applications

- Arrayable wedge monitor
- Ceiling and under-balcony speaker
- Corporate installations
- House of worship
- Small clubs
- Theatrical sound reinforcement



KRM33 Specs

Acoustics	
Speaker power handling	180W ^(AES)
Max Power	N.A
Impedance	N.A
Maximum SPL	115 dB (continuous), 121 dB (peak) ⁽²⁾
Coverage	
Horizontal	DSP controlled (30°- 70°)
Vertical	90°
Crossover	
Type	DSP controlled
Frequency	70 Hz minimum (preset dependent)
Transducers	
Full-range	3 X 3,15 Neodymium cone driver with 1" voice coil
Physical	
Dimensions	266 mm x 103 mm x 302 mm (10,47" x 4,06" x 11,89 ")
Weight	5,2 Kg (11.5 lb)

⁽¹⁾ Maximum RMS applicable power for a musical signal. The reference signal is the one proposed by EIAJ standard

⁽²⁾ Measured with musical signal

portable systems KRM33P

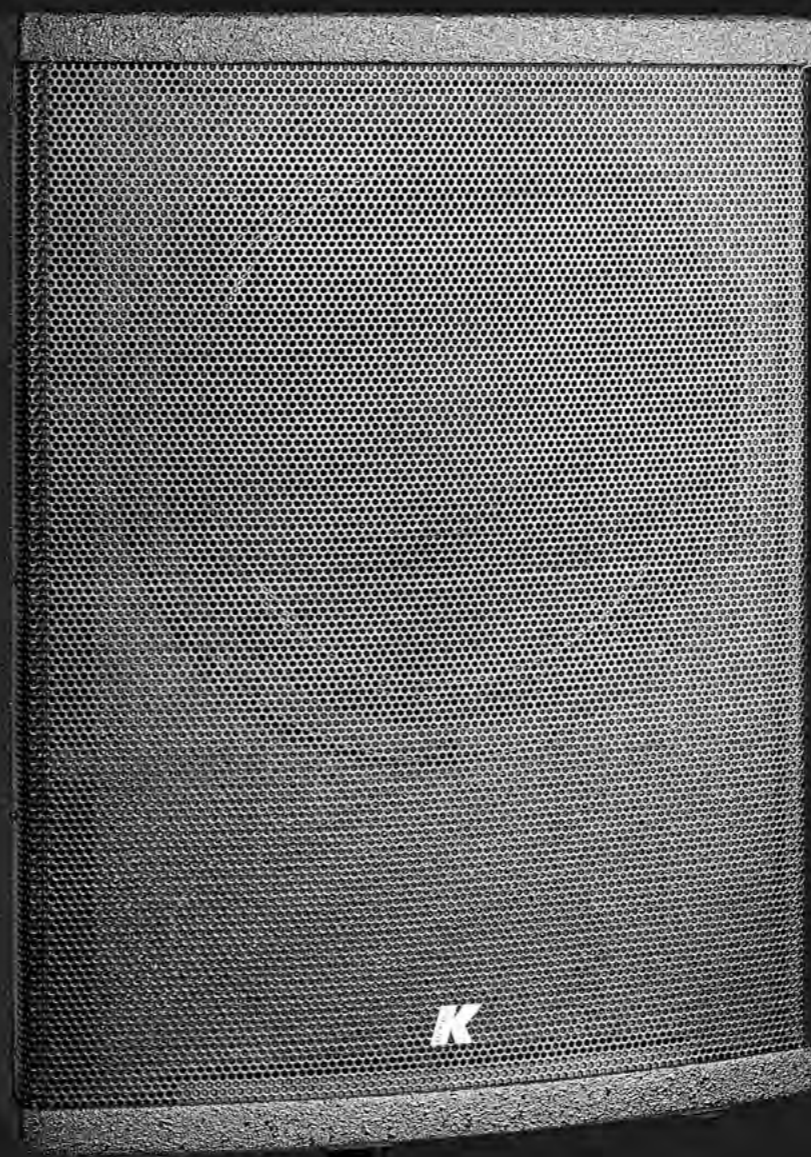
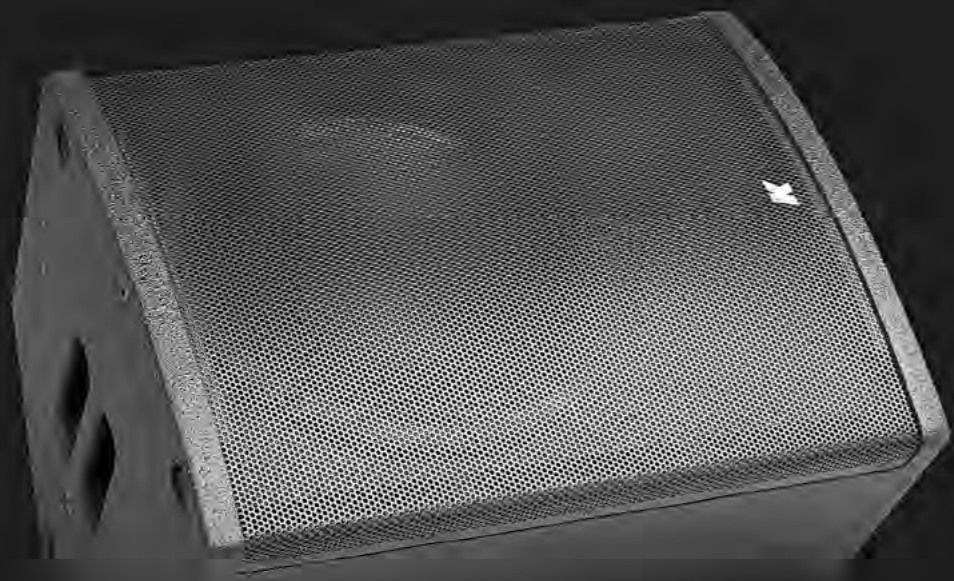


Accessories
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Monitors

KF

Full range multi-purpose speaker





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Monitors

KF12MT

Full range multi-purpose powered speaker

The KF12MT and the KF12P are K-array's newest multi-task additions to its portfolio of professional, high-quality loudspeakers in the Redline Series. The KF12MT is a 12" coaxial full range multi-purpose powered speaker and is the successor to the long serving KF12 model.

Compared to its predecessor, this portable speaker features exciting updates. The KF12MT's integrated on-board touch screen with matrix control provides intuitive managing and editing of powerful DSP controlling. Additional functionalities include: a delay up to 400ms, parametric filters for room eq, 2 analog + 2 digital inputs in AES/EBU, routing options, USB and Serial connections for remote control and a full range powered output of 1000 W on 8 Ω. Having 2 analog or digital fully independent inputs on board can create real stereo systems using one powered and one passive KF12P speaker. Thanks to its multi-purpose function, it can satisfy many different venue requirements. It is ideally used as a stage monitor due to its wedge shape, as a stereo system with one active (KF12MT) and one passive (KF12P), or as a main PA system for small and medium size events and more. Designed and manufactured in Italy, the KF12MT and the KF12P give uncompromising sound quality in a small footprint and are compatible with a variety of accessories. Housed in a black wood chassis and black steel grill, the KF12MT has a modern, sophisticated look. Customized colors are available upon request.



Features

- Stage monitor on live stages
- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- Portable and installed audio-visual systems
- Cinema and special effects
- Optimized for KF12P and KMT18P

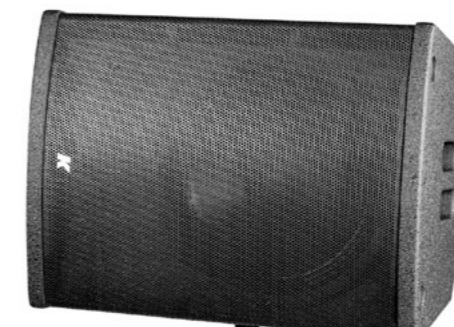
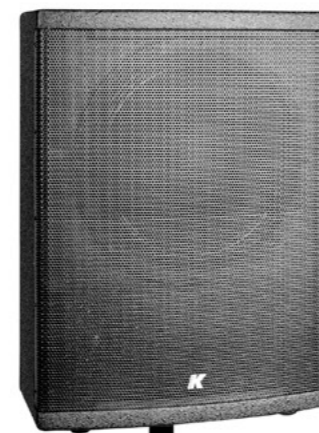
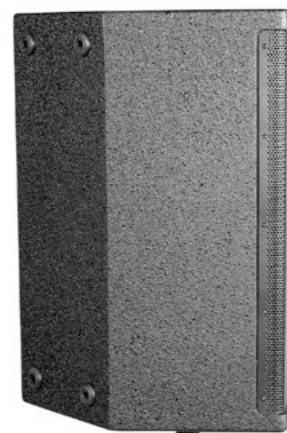
Applications

- Unique performance-to-size ratio
- Symmetrical horizontal and vertical coverage
- Angled cabinet for floor monitor use
- Integrated 35mm pole adapter for different uses
- Integrated DSP with multiple analog and digital inputs
- On-board touch screen with matrix control
- Configurable fullrange powered output
- RS485 and USB connectivity for remote control

KF12MT Specs

Acoustics	
Speaker power handling	800 + 200 W ^(AES)
Maximum SPL	127 dB (continuous), 133 dB (peak) ⁽¹⁾
Coverage	
Horizontal	70°
Vertical	70°
Crossover	
Type	Internal passive crossover
Transducers	
Coaxial Transducer	12" Neodymium magnet Woofer with 3" voice coil
Physical	
Dimensions	39 cm x 52.2 cm x 36.5 cm (15.37" x 20.55" x 14.38 ")
Weight	19.6 Kg (43.21 lb)

1. Measured with musical signal
New materials and design are introduced into existing products without previous notice.
Present systems may differ in some respects from those presented in this catalogue.



Accessories
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Subwoofers

KMT

*High tech multi-task powered subwoofers
with DSP and power output*



array K



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Subwoofers

KMT12

High tech multi-task powered 12" subwoofer with DSP and power output

The K-array KMT12 is a full-featured audio systems featuring a powered 12" subwoofer, programmable on-board DSP and multiple analog and digital inputs and outputs for creating a wide array of speaker configurations. The amplifier mounted on board is class D, delivering 2 x 1000 W at 8Ω.

The KMT12 features an integrated touch screen, providing intuitive control over the main DSP functions: input/output levels, signal routing, offset delays for subwoofer and speakon output (up to 12 ms., each) and overall system delay (up to 330 ms.).

All DSP functions, including EQ, can also be remote controlled via software over USB or RS485 (3-pin XLR).

The KMT series provides two balanced analog line level inputs and a two-channel AES/EBU digital input. An integrated class D amplifier delivers 2 x 1050 W at 8Ω, with a max THD of 1% (EIAJ test @ 1KHz). The KMT12 features multiple analog and digital outputs, including a Speakon output to connect a wide array of passive speakers including mid-high modules (KK52, KK102) or additional passive subwoofers (KMT12P). To optimize performance, the on-board DSP includes up to 40 programmable presets. The first 8 have been designed by K-array, the additional 32 slots can be used to create, save, and store personal presets using the K-framework software.

The KMT series' unique four-corner port configuration provides symmetrical back loading to the speakers, for extended bass response with very low distortion. The port configuration also provides incredible structural strength to the cabinet, despite its light weight. Pocket handles and an M20 thread mount position for attaching mid-high speakers makes the Redline series convenient to use and ideal for medium throw applications in theaters, concert halls, and Audio/Video installations.

All KMT components are designed by K-array and custom-made under K-array's quality control system.



Features

- Unique performance-to-size ratio
- Fitted with integral handles and castors
- Direct radiating, long excursion 12" driver
- Ultra fast set-up and dismantling system
- Analog and digital AES-EBU inputs
- RS485 and USB connectivity for remote control

Applications

- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- Portable and installed audio-visual systems
- Cinema and special effects
- Optimized for KK52, KK102 or KMT12P



Specs

Acoustics	
Power handling	700 W ^(AES)
Frequency range	40Hz - 150 Hz +/- 3dB (preset relating)
Impedance	8Ω
Maximum SPL	128 dB continuous - 134 dB peak
Coverage	
Horizontal	Omni
Vertical	Omni
Crossover	
Type	DSP controlled
Frequency	150 Hz maximum (preset dependent)
Transducers	
Full-range	1 x 12" Neodymium speakers with 3" voice coil
Amplifiers	
Type	1 modules class D - DSP controlled
Power	2x 1000 Watt ! @8Ω
Protection	Dynamic limiter, over current, over temp, short circuits
Physical	
Dimensions	32.5 x 33.5 x 43.5 cm (12.91" x 13.19" x 17.13")
Weight	15.6 Kg (34.39 lbs)

Notes for data
1. Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance. New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from

portable systems KMT12



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Set-up & Configuration



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Subwoofers

KMT18

High tech multi-task powered 18" subwoofer with DSP and power output

The K-array KMT18 is a full-featured audio systems featuring a powered 18" subwoofer, programmable on-board DSP and multiple analog and digital inputs and outputs for creating a wide array of speaker configurations. The amplifier mounted on board is class D, delivering 2 x 1000 W at 8Ω.

The KMT18 features an integrated touch screen, providing intuitive control over the main DSP functions: input/output levels, signal routing, offset delays for subwoofer and speakon output (up to 12 ms., each) and overall system delay (up to 330 ms.).

All DSP functions, including EQ, can also be remote controlled via software over USB or RS485 (3-pin XLR).

The KMT series provides two balanced analog line level inputs and a two-channel AES/EBU digital input. An integrated class D amplifier delivers 2 x 1050 W at 8Ω, with a max THD of 1% (EIAJ test @ 1KHz). The KMT18 features multiple analog and digital outputs, including a Speakon output to connect a wide array of passive speakers including mid-high modules (KK52, KK102) or additional passive subwoofers (KMT18P). To optimize performance, the on-board DSP includes up to 40 programmable presets. The first 8 have been designed by K-array, the additional 32 slots can be used to create, save, and store personal presets using the K-framework software.

The KMT series' unique four-corner port configuration provides symmetrical back loading to the speakers, for extended bass response with very low distortion. The port configuration also provides incredible structural strength to the cabinet, despite its light weight. Pocket handles and an M20 thread mount position for attaching mid-high speakers makes the Redline series convenient to use and ideal for medium throw applications in theaters, concert halls, and Audio/Video installations.

All KMT components are designed by K-array and custom-made under K-array's quality control system.



Features

- Unique performance-to-size ratio
- Fitted with integral handles and castors
- Direct radiating, long excursion 18" driver
- Ultra fast set-up and dismantling system
- Analog and digital AES-EBU inputs
- RS485 and USB connectivity for remote control

Applications

- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- Portable and installed audio-visual systems
- Cinema and special effects
- Optimized for KK102 or KMT18P



Specs

Acoustics	
Power handling	800 W ^(AES)
Frequency range	30Hz - 150 Hz +/- 3dB (preset relating)
Impedance	8Ω
Maximum SPL	130 dB continuous - 136 dB peak
Coverage	
Horizontal	Omni
Vertical	Omni
Crossover	
Type	DSP controlled
Frequency	150 Hz maximum (preset dependent)
Transducers	
Full-range	1 x 18" Neodymium speakers with 3" voice coil
Amplifiers	
Type	1 modules class D - DSP controlled
Power	2x 1000 Watt ' @8Ω
Protection	Dynamic limiter, over current, over temp, short circuits
Physical	
Dimensions	46.5 x 47.5 x 61 cm (18.31" x 18.70" x 24.02")
Weight	27.6 Kg (60.85 lbs)

Notes for data
1. Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance. New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

portable systems KMT18



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Set-up & Configuration



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Subwoofers

KMT21

High tech multi-task powered 21" subwoofer with DSP and power output

The K-array KMT21 is a full-featured audio system, featuring a 21" powered subwoofer, programmable on-board DSP and multiple analog and digital inputs and outputs for creating a wide array of speaker configurations. The amplifier mounted on board is class D, delivering 2 x 2000 W at 4Ω.

The KMT 21 features an integrated touch screen, providing intuitive control over the main DSP functions: input/output levels, signal routing, offset delays for subwoofer and speakon output (up to 12 ms., each) and overall system delay (up to 330 ms.).

All DSP functions, including EQ, can also be remote controlled via software over USB or RS485 (3-pin XLR).

The KMT series provides two balanced analog line level inputs and a two-channel AES/EBU digital input. An integrated class D amplifier delivers 2 x 2000 W at 4Ω, with a max THD of 1% (EIAJ test @ 1KHz). The KMT21 features multiple analog and digital outputs, including a Speakon output to connect a wide array of passive speakers including mid-high modules (KP52, KP102) or additional passive subwoofers (KMT21P). To optimize performance, the on-board DSP includes up to 40 programmable presets. The first 8 have been designed by K-array, the additional 32 slots can be used to create, save, and store personal presets using the K-framework software.

The KMT series' unique four-corner port configuration provides symmetrical back loading to the speakers, for extended bass response with very low distortion. The port configuration also provides incredible structural strength to the cabinet, despite its light weight. Pocket handles and an M20 thread mount position for attaching mid-high speakers makes the Redline series convenient to use and ideal for medium throw applications in theaters, concert halls, and Audio/Video installations.

All KMT components are designed by K-array and custom-made under K-array's quality control system.



Features

- Unique performance-to-size ratio
- Fitted with integral handles and castors
- Direct radiating, long excursion 21" driver
- Ultra fast set-up and dismantling system
- Analog and digital AES-EBU inputs
- RS485 and USB connectivity for remote control

Applications

- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- Portable and installed audio-visual systems
- Cinema and special effects
- Optimized for KP102 or KMT21P



Specs

Acoustics	
Power handling	1800 W ^(AES)
Frequency range	30Hz - 150 Hz +/- 3dB (preset relating)
Impedance	4Ω
Maximum SPL	132 dB continuous - 138 dB peak
Coverage	
Horizontal	Omni
Vertical	Omni
Crossover	
Type	DSP controlled
Frequency	150 Hz maximum (preset dependent)
Transducers	
Full-range	1 x 21" Neodymium speakers with 4" voice coil
Amplifiers	
Type	1 modules class D - DSP controlled
Power	2x 2400 Watt ' @4Ω
Protection	Dynamic limiter, over current, over temp, short circuits
Physical	
Dimensions	55.5 x 55.5 x 77.7 cm (21.85" x 21.85" x 30.59")
Weight	49 Kg (108.03 lbs)

Notes for data
1. Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance. New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

portable systems KMT21



Accessories
Set-up & Configuration



Accessories



K-BASE2

Floor adapter for vertical array of maximum 2 meters of Kobras or Pythons



K-FLY2

Flying bar for maximum 6mt of Pythons or 8mt of Kobras



K-WALL2L

Wall bracket for Kobras and Pythons (basic model) in BLACK



K-WALL2LW

Wall bracket for Kobras and Pythons (basic model) in WHITE



K-WALL2

Wall bracket for Kobras and Pythons (advanced model) in BLACK



K-WALL2W

Wall bracket for Kobras and Pythons (advanced model) in WHITE



KK-CLUSTER2

Hardware to make horizontal clusters of Kobras (max 3pcs)



KP-CLUSTER2

Hardware to make horizontal clusters of Pythons (max 3pcs)



K-FOOT2

Adapter for standing Kobras or Pythons on KMT subwoofers, K-BASE2 and 35mm stands



K-JOINT2

Hardware to connect together 2 Kobras or Pythons (even mixed configurations)



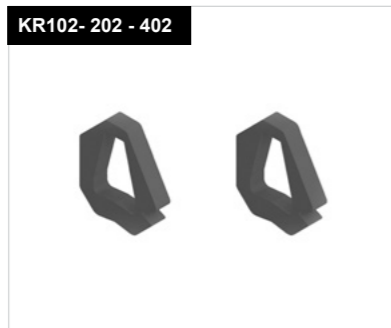
K-KCLAMP/S

Kobra clamp adapter (clamp NOT INCLUDED)



K-KCLAMP

Kobra clamp adapter (clamp INCLUDED)



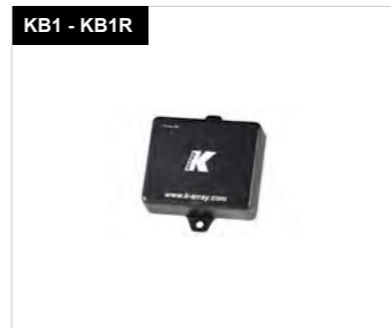
KK-STAGE

Rubber adapters to use Kobras in horizontal on the floor (I.E. Monitor or Frontfill)



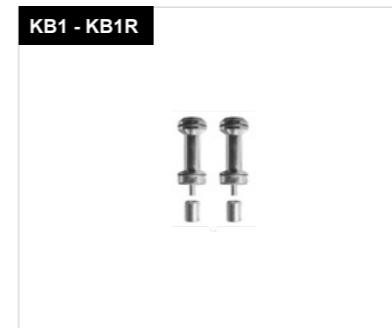
KP-STAGE

Rubber adapters to use Pythons in horizontal on the floor (I.E. Monitor or Frontfill)



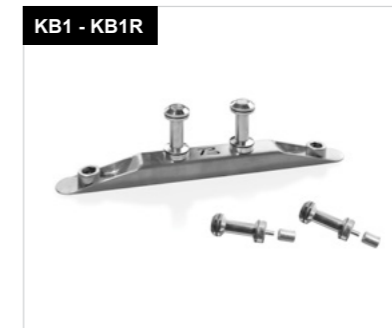
eFUN W

dedicated 802.11 b/g/n Wi-Fi interface to connect a KB1 to the Apple application for iPad



KB1 STACK 2

Hardware kit to stack 2 pcs of KB1 top



KB1 STACK 4

Hardware kit to stack 4 pcs of KB1 top



KB1 - FLY

Flying hardware for 1 KB1 top



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Audience size	Event type			
	Speech	Acoustic	Band	DJ
100	KR102	KR102	KR202	KR202
300	KR102	1 KR102	KR202	KR402
500	KR102	KR202	2 KR202	KR402
700	KR202	KR202	KR402	2x KR402 (+2 K-FLY2)
1.000	KR202	KR402	3 2x KR402 (+2 K-FLY2)	NO
2.000	KR402	2x KR402 (+2 K-FLY2)	3x KR402 (+2 K-FLY2)	NO
4.000	2x KR402 (+2 K-FLY2)	4 3x KR402 (+2 K-FLY2)	NO	NO
10.000	3x KR402 (+2 K-FLY2)	NO	NO	NO

1 KR102

EACH SIDE



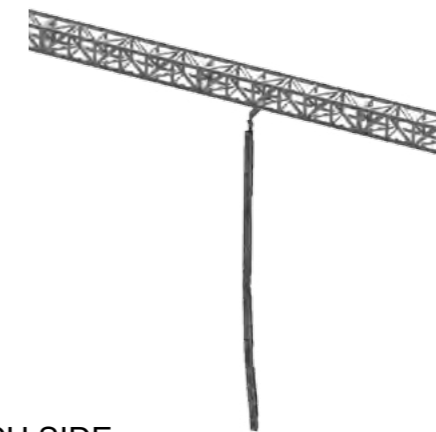
2 KR202

EACH SIDE



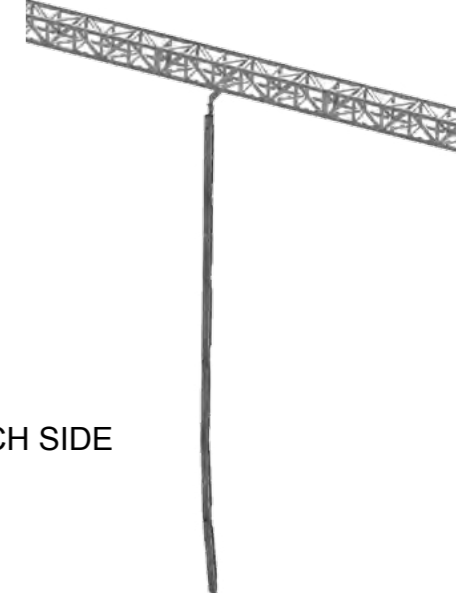
3 2x KR402
(+2 K-FLY2)

EACH SIDE



4 3x KR402
(+2 K-FLY2)

EACH SIDE



portable set-up and configuration



Concert Series



Installed Sound

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Concert Series

Speakers

KH15 - KH15P

Ultra-thin PA System and line-array element



KH4 - KH4P

Ultra-thin PA System and line-array element



Subwoofers

KS4 - KS4P

*High technology self-powered
High performance dipole subwoofer*



KO40 - KO40P

*High technology self-powered,
Sub Bass element*



KO70 - KO70P

*High technology self-powered,
Sub Bass element*





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Speakers

KH15 - KH15P

Ultra-compact PA System and line-array element

The K-array KH15 is a self-powered, 2-way line array design speaker system. Its ultra-compact aluminum and wood enclosure has an incredible reserve of power that ensures very high sound pressure with wide, consistent (120°) horizontal coverage.

The KH15P is the passive version of the KH15. It features 4-pin speakon connections on its back instead of the amplifier bar.

The KH15 is best suited for medium throw applications in theatres, concert halls, houses of worship and for corporate AV events. The KH15 low profile box makes it ideal for concert front fill and delay position applications. It easily integrates with other K-array products such as the KH4 and KS4 large format line array elements as a curvilinear down fill array.

Bass response and output capability can be extended with the incorporation of the KMT21 or KMT18 powered bass cabinets. The KH15 uses two 8-inch cone drivers with 3" voice coils for low-mid frequencies, powered by two power amplifier channels.

The mid-high frequency section uses two 1.75" voice coil compression drivers on 1"x4" constant directivity waveguides. The drivers are integrated in the box with a fixed vertical angle of 15°. The flying points provide different degrees to allow installation in curvilinear line arrays.

An internal DSP module provides control presets. Dedicated remote control software allows for control of the speaker from a PC.

All the KH15 components are designed by the K-array R&D department and custom made under the K-array quality control system.



Features

- Unique performance-to-size ratio
- Self powered (only KH15)
- Integrated DSP and remote control (only KH15)
- Wide horizontal coverage
- Very flat profile
- Top quality components for outstanding performance
- Ultra-fast set-up and dismantling system
- For use in single, point-source applications, in vertical line arrays or in combination with other K-array systems



Applications

- Medium scale events
- Front fill touring sound reinforcement
- Stadiums, theatres, concert halls, conferences, houses of worship
- Installations in low-load capacity situations

Accessories

- K-CASE3, K-CASE2, K-CASE1, K-15CASE2, K-FLY15, K-FLY4/15, K-TILT15, K-USB, K-XM45, K-XF45

KH15 Specs

Acoustics	
Speaker power handling	1500 w + 160 w ^(AES)
Full frequency range	70 Hz - 20 KHz
Impedance	8Ω
Maximum SPL	130 dB continuous - 139 dB Peak
Coverage	
Horizontal	120°
Vertical	15°
Crossover	
Type	DSP controlled
Frequency	1.2 KHz
Transducers	
Low - Mid frequency	2 x 8" Neodymium speakers with 3" voice coil
High frequency	2 x 1" Neodymium planar wave drivers with 1.75" voice coil
Amplifiers	
Type	1 module class D - DSP controlled
Power	750 W x 2 channels @ 4 Ω + 250 W @ 8 Ω ¹
Protection	Dynamic limiter, over current, over temp, short circuit
Physical	
Dimensions	max 62.7 x 25.3 x 16 cm (24.68" x 9.96" x 6.3")
Weight	15.4 Kg (33.95 lbs)

KH15P Specs

Acoustics	
Speaker power handling	1500 w + 160 w ^(AES)
Full frequency range	70 Hz - 20 KHz
Impedance	8Ω
Maximum SPL	130 dB continuous - 136 dB Peak
Coverage	
Horizontal	120°
Vertical	15°
Crossover	
Type	DSP controlled
Frequency	1.2 KHz
Transducers	
Low - Mid frequency	2 x 8" Neodymium speakers with 3" voice coil
High frequency	2 x 1" Neodymium planar wave drivers with 1.75" voice coil
Amplifiers	
Physical	
Dimensions	max 62.7 x 25.3 x 16 cm (24.68" x 9.96" x 6.3")
Weight	14 Kg (31 lbs)

Notes for data

¹ Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance.

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Accessories
Set-up & Configuration



concert series KH15 - KH15P



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Speakers

KH4 - KH4P

Ultra-thin PA System and line-array element

The K-array KH4 is a self-powered, 2-way line array design speaker system. At just over 113 Lbs (51 Kg) and 6" depth (16 cm) its ultra-compact aluminum enclosure contains an incredible reserve of power that ensures very high sound pressure with wide, consistent (120°) horizontal coverage and the unique capability for varying the vertical coverage from 7° for line array applications to as wide as 37° for single speaker systems. This provides for an incredibly versatile and flexible cost-effective inventory.

The KH4P is the passive version of the KH4. It features 4-pin speakon connections on its back instead of the amplifier bar.

The KH4 is best suited for medium to long throw applications in theaters, concert halls and churches, and for corporate AV events. The KH4 easily integrates with other K-array products such as the KS4 large format bass line array element, or KH15 satellites. Bass response and output capability can be extended with the incorporation of the Ko70 and Ko40powered sub bass cabinets.

The KH4 uses twelve 8-inch cone drivers with 2.5" voice coils for low-mid frequencies, powered by six power amplifier channels. The mid-high frequency section uses five 1.75" voice coil compression drivers mounted on 1"x 4" constant directivity waveguides. The drivers form an array exactly in the centre of the speaker. A mechanical system can provide different vertical coverage from 7° to 37° on each KH4.

An internal DSP module provides configuration presets.

Dedicated remote control software allows for control of the speaker from a PC.

All KH4 components are designed by the K-array R&D department and custom made under the K-array quality control system.



Features

- Unique performance-to-size ratio
- Self powered (only KH4)
- Integrated DSP and remote control (only KH4)
- Wide horizontal coverage
- Very flat profile
- Integrated flying hardware
- Top quality components for outstanding performance
- Ultra-fast set-up and dismantling system
- For use in single, point-source applications, in vertical line arrays or in combination with other K-array systems

Applications

- Medium and big scale events
- Front fill touring sound reinforcement
- Stadiums, theatres, concert halls, conferences, houses of worship
- Installations in low-load capacity situations

Accessories

- K-CASE3, K-CASE2, K-CASE1, K-15CASE2, K-FEET4, K-FLY4, K-FLY4/15, K-USB, K-XM45, K-XF45

KH4 Specs

Acoustics	
Speaker power handling	3600 w + 400 w (AES)
Full frequency range	80 Hz - 20 KHz
Impedance	6 x 4Ω + 1 x 8Ω + 1 x 6Ω
Maximum SPL	133 dB continuous - 139 dB Peak
Coverage	
Horizontal	120°
Vertical	mechanically variable from 7° to 37°
Crossover	
Type	DSP controlled
Frequency	1.2 KHz minimum
Transducers	
Low - Mid frequency	12 x 8" Neodymium speakers with 2.5" voice coil
High frequency	5 x 1" Neodymium planar wave drivers with 1.75" voice coil
Amplifiers	
Type	4 modules class D - DSP controlled
Power	500 watts x 8 channels @ 4 Ω (4000 watt total) ¹
Protection	Dynamic limiter, over current, over temp, short circuits
Physical	
Dimensions	112 x 60 x 16 cm (44" x 23.62" x 6.29")
Weight	51 Kg (113.32 lbs)

KH4P Specs

Acoustics	
Speaker power handling	3600 w + 400 w (AES)
Full frequency range	80 Hz - 20 KHz
Impedance	6Ω (low-mid) 12Ω (high)
Maximum SPL	133 dB continuous - 139 dB Peak
Coverage	
Horizontal	120°
Vertical	mechanically variable from 7° to 37°
Crossover	
Type	DSP controlled
Frequency	1.2 KHz minimum
Transducers	
Low - Mid frequency	12 x 8" Neodymium speakers with 2.5" voice coil
High frequency	5 x 1" Neodymium planar wave drivers with 1.75" voice coil
Physical	
Dimensions	112 x 60 x 16 cm (44" x 23.62" x 6.29")
Weight	46 Kg (101 lbs)

Notes for data

¹ Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance. New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

concert series KH4 - KH4P



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KS4-KS4P

High performance, ultra-thin profile, dipole subwoofer

The KS4 is a self-powered, high performance dipole subwoofer. At just over 46.8kg (103.18 lbs) and 16cm deep (6"), its ultra-compact aluminum enclosure has an incredible reserve of power. That ensures very high sound pressure with wide, consistent (120°) horizontal and vertical coverage. Its unique dipole 'figure-8' coverage pattern eliminates bass from coming off the side of the cabinets. This provides for a very controlled and quiet onstage sound, particularly in flown configurations.

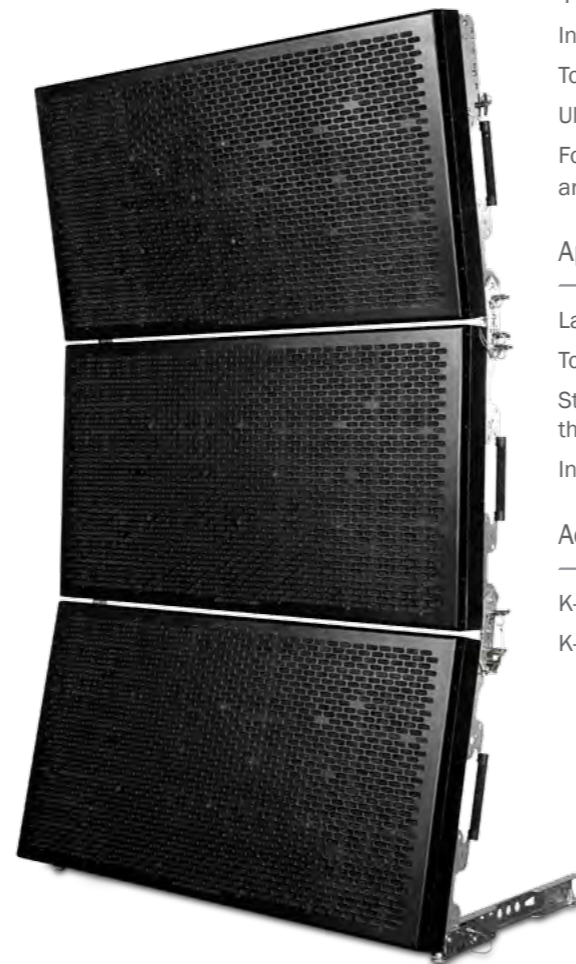
The KS4P is the passive version of the KS4. It features 4-pin speakon connections on its back instead of the amplifier bar.

The KS4 is suited for medium to long throw applications in theaters, stadiums, houses of worship and concert halls. The KS4 integrated with the KH4 self-powered line array speaker, creates a high performance large scale solution.

The KS4 uses eight, 10-inch high excursion cone drivers with 2" voice coils, powered by eight power amplifier channels. The woofers are mounted in a chassis that ensures high rigidity and resistance to vibrations. The integrated hardware system allows it to array with other KS4s to cover large open-air venues.

An internal DSP module provides control presets. Dedicated remote control software allows for control of the speaker from a computer.

All the KS4 components are designed by K-array R&D department and custom made under the K-array quality control system in Italy.



Features

- Unique performance-to-size ratio
- Self powered (only KS4)
- Integrated DSP and remote control (only KS4)
- 'Figure-8' horizontal and vertical coverage
- Integrated flying and stacking hardware
- Top quality components for outstanding performance
- Ultra fast set-up and dismantling system
- For use in single, point-source applications, in vertical line arrays or in combination with other K-array systems

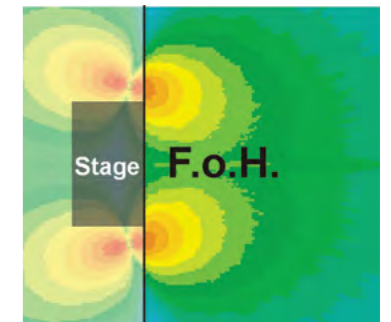
Applications

- Large scale events
- Touring sound reinforcement
- Stadiums, arenas, concert halls, theatres, houses of worship
- Installations in low-load capacity situations

Accessories

- K-CASE3, K-CASE2, K-CASE1, K-15CASE2, K-FEET4, K-FLY4, K-FLY4/15, K-USB, K-XM45, K-XF45

Top View - KS4 stacked clusters



The dipole polar pattern of the KS4 provides innovative capabilities for management of the low frequency focus. When correctly oriented, the bass energy is focused at the audience and directed away from the stage. Compared to traditional omni-directional subwoofers in in-door applications, the KS4 also drastically reduces the energy directed towards the ceiling, greatly improving the direct to reflected sound ratio in the room.

Side View



Traditional Subwoofer

KS4

KS4 Specs

Acoustics	
Speaker power handling	4000 (AES)
Full frequency range	30 Hz - 150 Hz
Impedance	8 x 4Ω
Maximum SPL	132 dB continuous - 138 dB Peak (measured with 6 units, related to 1)
Coverage	
Horizontal	dipole 120°
Vertical	dipole 120°
Crossover	
Type	DSP controlled
Frequency	low pass @ 150 Hz recommended max
Transducers	
Low - Mid frequency	8 x 10" High excursion neodymium speakers with 2" voice coil
Amplifiers	
Type	4 modules class D - DSP controlled
Power	500 watts x 8 channels @ 4 Ω (4000 watt total)
Protections	Dynamic limiter, over current, over temp, short circuits
Physical	
Dimensions	max 117 x 60 x 16.5 cm (46.34" x 23.62" x 6.50")
Weight	46.8 Kg (103.18 lbs)

KS4P Specs

Acoustics	
Speaker power handling	4000 (AES)
Full frequency range	30 Hz - 150 Hz
Impedance	8Ω
Maximum SPL	132 dB continuous - 138 dB Peak (measured with 6 units, related to 1)
Coverage	
Horizontal	dipole 120°
Vertical	dipole 120°
Crossover	
Type	DSP controlled
Frequency	low pass @ 150 Hz recommended max
Transducers	
Low - Mid frequency	8 x 10" High excursion neodymium speakers with 2" voice coil
Physical	
Dimensions	max 117 x 60 x 16.5 cm (46.34" x 23.62" x 6.50")
Weight	42 Kg (92 lbs)

Notes for data

1. Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance.

New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

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concert series KS4 - KS4P





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KO40-KO40P

High technology 21" subwoofer element

The K-array Ko40 is a self-powered, Sub Bass speaker system.

It is best suited for high-power extended bass response applications in arenas, theatres, concert halls, churches, and outdoor events.

The Ko40P is the passive version of the Ko40. It features 4-pin speakon connections on its back instead of the amplifier bar.

The 21" speaker employ neodymium magnets and 6" voice coils driven by powerful D-class amplifiers. The large ports are designed to be fully symmetrical to the speakers, which means the back loading on the drivers is consistent and even with no port air turbulence. The triangle port construction also provides excellent structural integrity and strength, effectively eliminating any box resonance.

The Ko40 is an effective companion sub to the KH4 and KH15 powered mid-high speaker systems.

When used with the KS4 bass element the combination becomes a very effective, directional bass system with a prodigious output.

An internal DSP module provides control presets. Dedicated software allows for remote control of the speaker from a PC.

All the Ko40 and Ko40P components are designed by the K-array R&D department and custom made under the K-array quality control system.



Features

- Unique performance-to-size ratio
- Self powered (only Ko40)
- Integrated DSP and remote control (only Ko40)
- Integrated flying and stacking hardware
- Top quality components for outstanding performance
- For use in combination with other K-array systems

Applications

- Medium and large scale events
- Touring sound reinforcement
- Stadiums, arenas, concert halls, theatres

Accessories

K-OTR1, K-OCOVER1, K-USB, K-XM45, K-XF45



KO40 Specs

Acoustics	
Speaker power handling	2000 W ^(AES)
Full frequency range	25 Hz – 120 Hz
Impedance	8 Ω
Maximum SPL	136 dB continuous - 140 dB peak
Coverage	
Horizontal	Omni
Crossover	
Type	DSP controlled
Frequency	150 Hz suggested (DSP dependent)
Transducers	
Low - Mid frequency	1 x 21" Neodymium speaker with 6" voice coil
Amplifiers	
Type	Class D - DSP controlled
Power	4000 W @ 8 ohm ¹
Protections	Dynamic limiter, over current, over temp, short circuit
Physical	
Dimensions	60 x 60 x 85 cm (23.6" x 23.6" x 33.46")
Weight	42 Kg (92.59 lbs)

KO40P Specs

Acoustics	
Speaker power handling	2000 W ^(AES)
Full frequency range	25 Hz – 120 Hz
Impedance	8 Ω
Maximum SPL	136 dB continuous - 140 dB peak
Coverage	
Horizontal	Omni
Crossover	
Type	DSP controlled
Frequency	150 Hz suggested (DSP dependent)
Transducers	
Low - Mid frequency	1 x 21" Neodymium speaker with 6" voice coil
Physical	
Dimensions	60 x 60 x 85 cm (23.6" x 23.6" x 33.46")
Weight	37 Kg (81.57 lbs)

Notes for data

¹ Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance. New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

concert series KO40 - KO40P

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KO70-KO70P

High technology 2x21" subwoofer element

The K-array Ko70 is a self-powered, Sub Bass speaker system.

It is best suited for high-power extended bass response applications in arenas, theatres, concert halls, churches, and outdoor events.

The Ko70P is the passive version of the Ko70. It features 4-pin speakon connections on its back instead of the amplifier bar.

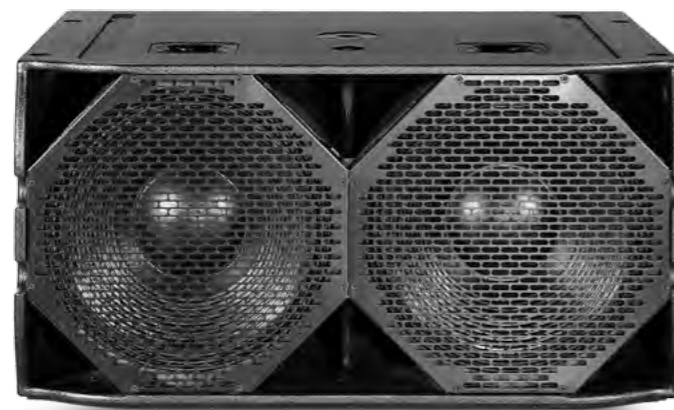
The two 21" speakers employ neodymium magnets and 6" voice coils driven by powerful D-class amplifiers. The large ports are designed to be fully symmetrical to the speakers, which means the back loading on the drivers is consistent and even with no port air turbulence. The triangle port construction also provides excellent structural integrity and strength, effectively eliminating any box resonance.

The Ko70 is an effective companion sub to the KH4 and KH15 powered mid-high speaker systems.

When used with the KS4 bass element the combination becomes a very effective, directional bass system with a prodigious output.

An internal DSP module provides control presets. Dedicated software allows for remote control of the speaker from a PC.

All the Ko70 and Ko70P components are designed by the K-array R&D department and custom made under the K-array quality control system.



Features

- Unique performance-to-size ratio
- Self powered (only Ko70)
- Integrated DSP and remote control (only Ko70)
- Integrated flying and stacking hardware
- Top quality components for outstanding performance
- For use in combination with other K-array systems

Applications

- Medium and large scale events
- Touring sound reinforcement
- Stadiums, arenas, concert halls, theatres

Accessories

K-OTR2, K-OCOVER2, K-USB, K-XM45, K-XF45



KO70 Specs

Acoustics	
Speaker power handling	2 x 2000 W ^(AES)
Full frequency range	30 Hz – 120 Hz
Impedance	2 x 8 Ω
Maximum SPL	136 dB continuous - 140 dB peak
Coverage	
Horizontal	Omni
Crossover	
Type	DSP controlled
Frequency	150 Hz suggested (DSP dependent)
Transducers	
Low - Mid frequency	2 x 21" Neodymium speakers with 6" voice coil
Amplifiers	
Type	Class D - DSP controlled
Power	2x 3500 W @ 8 W'
Protections	
	Dynamic limiter, over current, over temp, short circuits
Physical	
Dimensions	115 x 60 x 85 cm (45.28" x 23.62" x 33.46")
Weight	78 Kg (171.96 lbs)

KO70P Specs

Acoustics	
	2 x 2000 W ^(AES)
	30 Hz – 120 Hz
	136 dB continuous - 140 dB peak
Coverage	
	Omni
Crossover	
	DSP controlled
	150 Hz suggested (DSP dependent)
Transducers	
	2 x 21" Neodymium speakers with 6" voice coil
Physical	
	115 x 60 x 85 cm (45.28" x 23.62" x 33.46")
	72 Kg (158.73 lbs)

Notes for data

1. Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance. New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

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concert series KO70 - KO70P



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K-CASE3

Flight-Case for K modules
(3pcs of KH4-KS4 or 2pcs KS4 +
4pcs KH15)



K-CASE2

Flight-Case for K modules
(2pcs of KH4-KS4 or 1pc KS4 +
4pcs KH15)



K-CASE1

Flight-Case for K modules
(1pc of KH4-KS4 or 4pcs KH15)



K-OCOVER1

Soft cover for KO40



K-OTR1

Trolley for KO40



K-OTR2

Trolley for KO70



K-15CASE2

Trolley injected ABS case for 2 pcs
of KH15



K-FEET4

Feet Kit for KS4 / KH4



K-FLY4

Flying bar for KH4-KS4



K-OCOVER2

Soft cover for KO70



K-USB

USB-RS485 Interface for K-array
Systems including 1 K-XM45 and 1
K-XF45



K-XF45

XLR Female to RJ45 adapter



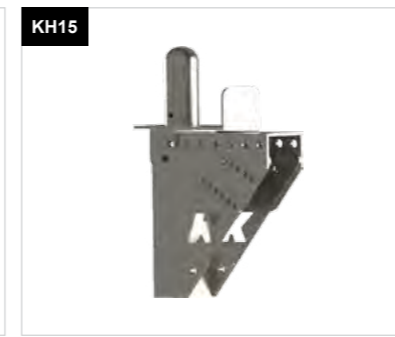
K-FLY15

Flying bar for KH15



K-FLY4/15

Flying bar to fit KH15 unit under
KH4 / KS4 Cluster



K-TILT15

Stand Tilter adapter for KH15



K-XM45

XLR Male to RJ45 adapter



**K-4BUMP⁽¹⁾ + K-HS4FRAME⁽²⁾
+ K-4DOLLY⁽³⁾**

Foldable array accessories.



K-TILT4PRO

Extra sturdy tilter for KH4 and KS4
arrays

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Event Type	Speech	Acoustic	Band	DJ
				
Audience size				
100	2 x KH15	2 x KH15 2 x KL18ma	2 x KH15 2 x Ko40	2 x KH15 2 x Ko40
300	2 x KH15	2 x KH15 2 x KL18ma	2 x KH15 2 x Ko40	2 x KH15 2 x Ko40
500	4 x KH15 2 x KL18ma	1 4 x KH15 2 x KO40	4 x KH15 2 x Ko40	4 x KH15 4 x Ko40
700	6 x KH15 4 x KL18ma	4 x KH15 2 x Ko40	6 x KH15 4 x Ko40	6 x KH15 6 x Ko40
1.000	2 x KH4 2 x KS4	2 2 x KH4 4 x KS4	3 2 x KH4 2 x Ko70	2 x KH4 2 x Ko70
2.000	4 x KH4 4 x KS4	4 x KH4 8 x KS4	4 x KH4 2 x Ko70	4 x KH4 4 x Ko70
4.000	6 x KH4 6 x KS4	6 x KH4 12 x KS4	6 x KH4 8 x KS4 2 x Ko70	6 x KH4 6 x Ko70
10.000	8 x KH4 8 x KS4	8 x KH4 12 x KS4	4 10 x KH4 10 x KS4 6 x Ko70	10 x KH4 10 x Ko70

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1 4 x KH15
2 x KO40



EACH SIDE



2 2 x KH4
4 x KS4



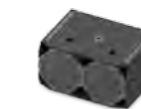
EACH SIDE



3 2 x KH4
2 x KO70



EACH SIDE



4 10 x KH4
10 x KS4
6 x KO70



EACH SIDE



concert set-up and configuration



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Lyzard

KZ10
Ultra miniaturized
line-array element



Tornado

KT2- KT2C
2" point source multipurpose
loudspeaker



KTL2- KTL2C
2" point source multipurpose
loudspeaker
with integrated RGB LEDs



Vyper

KV50
Ultra flat 3D line array element



Kobra

KK52
Line array bass element
Minimum size maximum punch



KK102
Line array bass element
Minimum size maximum punch



Anakonda

KAN200
Flexible array element speaker



Python

KP52
Line array bass element
Minimum size maximum punch



KP102
Line array bass element
Minimum size maximum punch



KF12

KF12P
Full range multi-purpose speaker



KH15 - KH15P

Ultra-thin PA System
and line-array element



KH4 - KH4P

Ultra-thin PA System
and line-array element





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Kobra

KKS50
 Line array bass element
 Minimum size maximum punch



KMTP

KMT12P
 Ultra-light high-power
 12" subwoofer



KMT18P
 Ultra-light high-power
 18" subwoofer

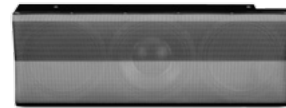


KMT21P
 Ultra-light high-performance
 21" subwoofer



Rumble

KU36
 Ultra slim,
 high power subwoofer



KMT

KMT12
 High tech multi-task powered 12"
 subwoofer with DSP and power output



KMT18
 High tech multi-task powered 18"
 subwoofer with DSP and power output



KMT21
 High tech multi-task powered 21"
 subwoofer with DSP and power output



KS4 - KS4P

High technology self-powered
 High performance dipole subwoofer



KO40 - KO40P

High technology self-powered,
 Sub Bass element



KO70 - KO70P

High technology self-powered,
 Sub Bass element





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Piccolo

*High performing 2.1 audio system
in a elegant and exclusive design*



Full Range Systems

KB1-KB1R

Portable line array for musician's sound



KR102

High tech ultra-light powered stereo system



KR202

High tech ultra-light powered stereo system



KR402

High tech ultra-light powered stereo system





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Ninja

KJ50VB

*Low profile,
variable beam speaker*



KRM33

KRM33P

*Low profile variable
coverage speaker*





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KA

KA1-1

*A high technology
Class D power amplifier*



KA24-KA84

*All in one KA amplifier and
processing solution*

