SE-S10

Electronic Cash Register

(SE-S10 small drawer model)

User's Manual

START-UP is QUICK and EASY!
Simple to use!
20 departments and 500 PLUs
Automatic Tax Calculations
Calculator function

SIAA
ISO 22196
for KOHKIN

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CASIO®

EU
DI
UK

Thank you very much for purchasing this CASIO electronic cash register.
START-UP is QUICK and EASY!

Part-1 of this User's Manual can help you make a quick start.

Once you have mastered the QUICK START operations, you will undoubtedly want to expand your use of this machine by studying other sections of Part-2.

Original Carton/Package
If for any reason, this product is to be returned to the store where purchased, it must be packed in the original carton/package.

Location
Locate the Cash register on a flat, stable surface, away from heaters or areas exposed to direct sunlight, humidity or dust.

Power Supply
Your cash register is designed to operate on standard household current (120V, 220V, 230V or 240V; 50/60Hz). Do not overload the outlet by plugging in too many appliances.

Cleaning
Clean the cash register exterior with a soft cloth which has been moistened with a solution of a mild neutral detergent and water, and wrung out.
Be sure that the cloth is thoroughly wrung out to avoid damage to the printer.
Never use paint thinner, benzene, or other volatile solvents.

The mains plug on this equipment must be used to disconnect mains power.
Please ensure that the socket outlet is installed near the equipment and shall be easily accessible.

Safety precautions

- To use this product safely and correctly, read this manual thoroughly and operate as instructed.
  After reading this guide, keep it close at hand for easy reference.
  Please keep all informations for future reference.
- Always observe the warnings and cautions indicated on the product.

About the icons

In this guide various icons are used to highlight safe operation of this product and to prevent injury to the operator and other personnel and also to prevent damage to property and this product. The icons and definitions are given below.

Indicates that there is a risk of severe injury or death if used incorrectly.

Indicates that injury or damage may result if used incorrectly.

Icon examples

To bring attention to risks and possible damage, the following types of icons are used.

The △ symbol indicates that it includes some symbol for attracting attention (including warning). In this triangle the actual type of precautions to be taken (electric shock, in this case) is indicated.

The ⊘ symbol indicates a prohibited action. In this symbol the actual type of prohibited actions (disassembly, in this case) will be indicated.

The ● symbol indicates a restriction. In this symbol the type of actual restriction (removal of the power plug from an outlet, in this case) is indicated.

⚠ Warning!

Handling the register

Should the register malfunction, start to emit smoke or a strange odor, or otherwise behave abnormally, immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of fire and electric shock.
- Contact CASIO service representative.

Do not place containers of liquids near the register and do not allow any foreign matter to get into it. Should water or other foreign matter get into the register, immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of short circuit, fire and electric shock.
- Contact CASIO service representative.

Should you drop the register and damage it, immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of short circuit, fire and electric shock.

- Attempting to repair the register yourself is extremely dangerous. Contact CASIO service representative.

Never try to take the register apart or modify it in any way. High-voltage components inside the register create the danger of fire and electric shock.

- Contact CASIO service representative for all repair and maintenance.

Power plug and AC outlet

Use only a proper AC electric outlet. Use of an outlet with a different voltage from the rating creates the danger of malfunction, fire, and electric shock. Overloading an electric outlet creates the danger of overheating and fire.

Make sure the power plug is inserted as far as it will go. Loose plugs create the danger of electric shock, overheating, and fire.

- Do not use the register if the plug is damaged. Never connect to a power outlet that is loose.

INTRODUCTION

⚠ Warning!

Use a dry cloth to periodically wipe off any dust built up on the prongs of the plug. Humidity can cause poor insulation and create the danger of electric shock and fire if dust stays on the prongs.

Do not allow the power cord or plug to become damaged, and never try to modify them in any way. Continued use of a damaged power cord can cause deterioration of the insulation, exposure of internal wiring, and short circuit, which creates the danger of electric shock and fire.
• Contact CASIO service representative whenever the power cord or plug requires repair or maintenance.

⚠ Caution!

Do not place the register on an unstable or uneven surface. Doing so can cause the register — especially when the drawer is open — to fall, creating the danger of malfunction, fire, and electric shock.

Do not place the register in the following areas.
• Areas where the register will be subject to large amounts of humidity or dust, or directly exposed to hot or cold air.
• Areas exposed to direct sunlight, in a close motor vehicle, or any other area subject to very high temperatures.

The above conditions can cause malfunction, which creates the danger of fire.

Do not overlay bend the power cord, do not allow it to be caught between desks or other furniture, and never place heavy objects on top of the power cord. Doing so can cause short circuit or breaking of the power cord, creating the danger of fire and electric shock.

Be sure to grasp the plug when unplugging the power cord from the wall outlet. Pulling on the cord can damage it, break the wiring, or cause short, creating the danger of fire and electric shock.

Never touch the plug while your hands are wet. Doing so creates the danger of electric shock. Pulling on the cord can damage it, break the wiring, or cause short, creating the danger of fire and electric shock.

At least once a year, unplug the power plug and use a dry cloth or vacuum cleaner to clear dust from the area around the prongs of the power plug.

Never use detergent to clean the power cord, especially power plug.

Keep small parts out of the reach of small children to make sure it is not swallowed accidentally.

Disposing of batteries:
Make sure that you dispose of used batteries in accordance with the rules and regulations in your local area.

Contents

Basic Components and Accessories

Printer cover

Operator display

Mode switch

Keyboard

Drawer

(SE-S10 small drawer model)

Accessories

|	
Roll paper	1 pc
Mode keys	
Drawer keys	2 pcs
User's manual	1 pc
Fixing hook (M drawer model only)	2 pcs
Magnetic plate*	1 pc

* Use this plate for tacking the notes received from customer.
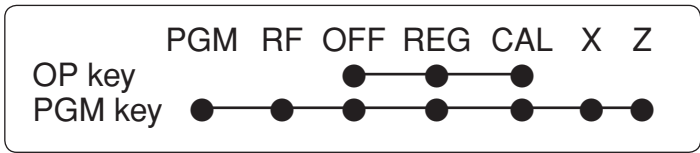
Weld lines
Lines may be visible on the exterior of the product. These are "weld lines" that result from the plastic molding process. They are not cracks or scratches.

Getting to know your cash register

Mode Switch
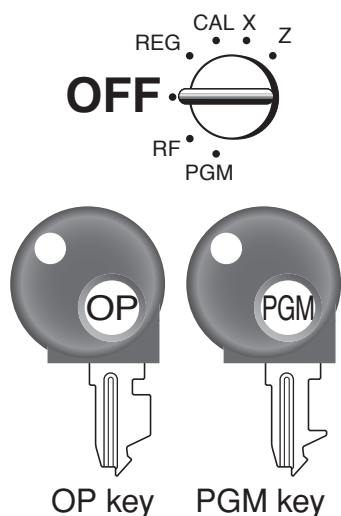
The position of the Mode Switch controls the type of operations you can perform on the cash register. The PROGRAM key (marked PGM) can be select any Mode Switch setting, while OPERATOR key (marked OP) can be used to select OFF, REG or CAL only.

	PGM	RF	OFF	REG	CAL	X	Z
OP key			●	●	●		
PGM key	●	●	●	●	●	●	●

OP key   PGM key

Note:
An error is generated (E01 displayed) whenever the position of the Mode Switch is changed during registration.

OFF
In this position, the power of the cash register is off.

REG (Register)
This is the position used for registration of normal transactions.

RF (Refund)
This is the position used for registration of refunds.

CAL (Calculator)
This is the position used for calculator mode.

PGM (Programming)
This is the position used to program the cash register to suit the needs of your store.

X (Read)
This is the position used to produce reports of daily sales totals without clearing the totals.
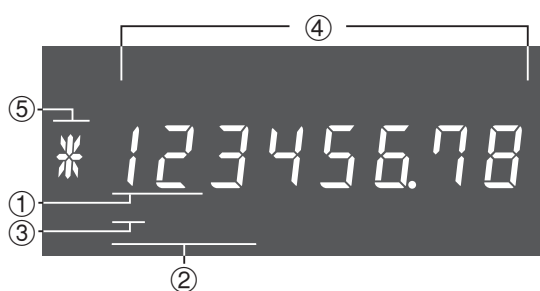
Z (Reset)
This is the position used to produce reports of daily sales totals. This setting clears the totals.

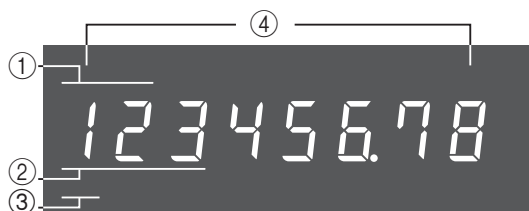## Display

Operator display

Customer display

123456.78

123456.78

① **Department Number Display**
Anytime you press a department key to register a unit price, the corresponding department number appears here.

② **PLU Number Display**
Anytime you perform a PLU registration, the corresponding PLU number appears here.

③ **Number of Repeat Display**
Anytime you perform "repeat registration" (page 14), the number of repeats appears here.
Note that only one digit is displayed for the number of repeats.

④ **Numeric Display**
Entered values (unit prices or quantities) and calculated values (subtotals, totals or change amount due) are displayed here. The capacity of the display is 8 digits.
This part of the display can be used to show the current time or date between registrations (page 40).
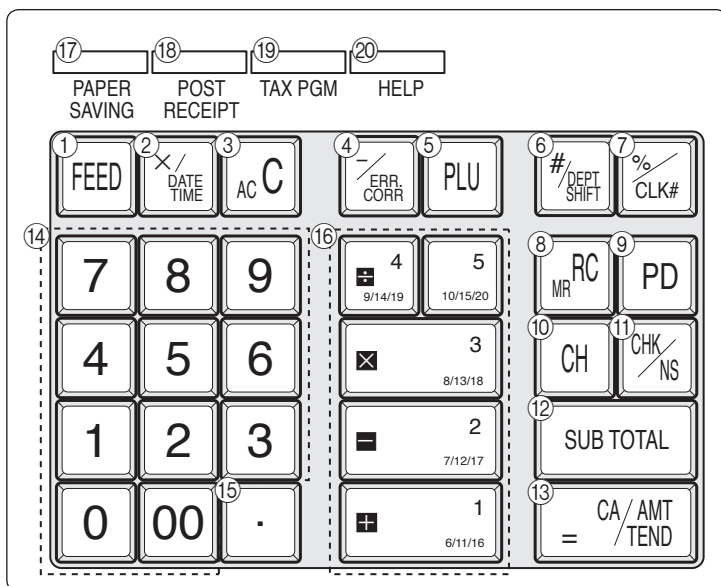
⑤ **Character Display**
In the character programming (P2) mode, it shows the last entered character.
The total (⊺) or change (⊏) appears when a subtotal, total, or change is obtained.
In the paper saving mode, it shows ＊.

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Keyboard

Certain keys have two functions; one for register mode and one for calculator mode.
In this manual, we will refer to specific keys as noted below to make the operations as easy to understand as possible:

Register Mode

① FEED — Feed key

② ×/DATE TIME — Multiplication/ Date Time key

③ AC C — Clear key

④ −/ERR. CORR — Minus/ Error Correction key

⑤ PLU — PLU (Price Look Up) key

⑥ #/DEPT SHIFT — Reference Number/Department Shift key

⑦ %/CLK# — Percent/Cashier ID No. Assignment key

⑧ RC/MR — Received on Account key

⑨ PD — Paid Out key

⑩ CH — Charge key

⑪ CHK/NS — Check/No Sale key

⑫ SUB TOTAL — Subtotal key

⑬ =/CA/AMT TEND — Cash Amount Tendered key

⑭ 0, 1, ~ 9, 00 — Numeric keys and 2-zero key

⑮ . — Decimal key

⑯ +1, −2, ×3, ÷4, 5 — Department keys

- Department 6 through 20 are specified by pressing the #/DEPT SHIFT key respectively as follows:

#/DEPT SHIFT +1 6/11/16 ~ #/DEPT SHIFT 5 10/15/20 → Department 6 ~ 10

#/DEPT SHIFT #/DEPT SHIFT +1 6/11/16 ~ #/DEPT SHIFT #/DEPT SHIFT 5 10/15/20 → Department 11 ~ 15

#/DEPT SHIFT #/DEPT SHIFT #/DEPT SHIFT +1 6/11/16 ~ #/DEPT SHIFT #/DEPT SHIFT #/DEPT SHIFT 5 10/15/20 → Department 16 ~ 20

⑰ PAPER SAVING — Paper saving key

Paper saving key is the key to save printing paper (Journal compressed printing/ No receipt issuing). In these cases, "*" is lit on the character display.

⑱ POST RECEIPT — Post receipt key

Post receipt key is used for issuing receipt after transaction. This key is effective if the printer is defined as printing receipts. Refer to page 38.

⑲ TAX PGM — Tax Program key
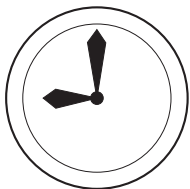
⑳ HELP — Help key

Help key is used for issuing assistant receipts such as programming date/ time, paper installation etc.

Calculator Mode

③ AC C — AC key

⑦ %/CLK# — Percent key

⑧ RC/MR — Memory Recall key

⑪ CHK/NS — Drawer Open key

⑬ =/CA/AMT TEND — Equal key

⑭ 0, 1, ~ 9, 00 — Numeric keys and 2-zero key

⑮ . — Decimal key

⑯ +1, −2, ×3, ÷4 — Arithmetic Operation key

Daily Job Flow

Before Opening The Store

1. Plugged in?
2. Enough Roll Paper?   Page-11
3. Date and Time is correct?   Page-40
4. Enough small change in the drawer?
                               Page-41
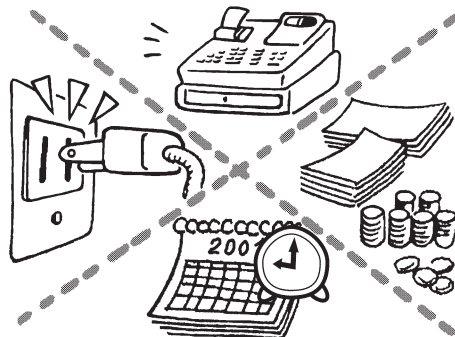
While The Store Is Open

1. Registrations.   Page-14 ~
2. Issuing latest daily sales total if need-
   ed.
   (Generating report by Mode Switch to
   X position.)   Page-18
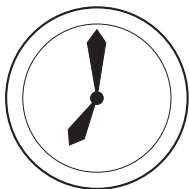
After Closing The Store

1. Issuing Daily Sales Total.
   (Resetting report by Mode Switch to
   Z position.)   Page-19
2. Picking up money in the drawer.
                               Page-41.
   Turn the Mode Switch to OFF.
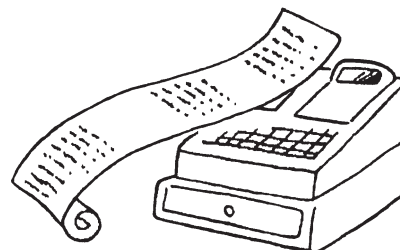
Other

1. Troubleshooting   Page-45

Part-1 ▷ QUICK START OPERATION

1. Loading Memory Protection Battery

Important
You must initialize the Cash register.

1. Remove the printer cover.
2. Open the battery compartment cover.
3. Load 2 new UM-3, or R6P (SUM-3) type batteries into the compartment. Be sure that the plus (+) and minus (–) ends of each battery are facing in the directions indicated by the illustrations inside the battery compartment (Figure 1).
4. Replace the memory protection battery compartment cover back into place.

(Figure 1)

· **Note:** To prevent to lose all of your settings and sales data, we recommend you to install the memory protection batteries.

· **REPLACE MEMORY PROTECTION BATTERIES AT LEAST ONCE EVERY YEAR.**

2. Loading Paper Roll

To load receipt paper

① Open platen arm.

③ Put the leading end of the paper over the printer.

② Ensuring the paper is being fed from the bottom of the roll, lower the roll into the space behind the paper.

④ Close the platen arm slowly until it locks steadily.

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.

DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

3. Setting the Cash Register

① Plug the power cord of the cash register into AC outlet.
② Please choose your language followed by printed message.
③ When the display shows blinking "0", such as

```
 0 - 00 - 00
```

Enter current date in Day, Month, Year.
④ When the display shows blinking "0", such as

```
 0 - 00
```

Enter current time in Hour, Minute.
⑤ Set the mode switch to REG.
⑥ Tear off any excess paper.

⑦ Replace the printer cover slowly.

*Default printer definition is receipt printer.

4. If you want to use a printer as journal printer

① Set printing system as journal.

PGM
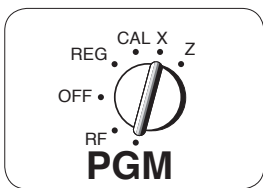
`1` `SUB TOTAL`

`1` `CH`

② Remove the printer cover by lifting up the back.

③ Press the `FEED` key until approximately 20cm of the paper is fed from the register.

④ Roll the paper onto the take up real a few turns.

⑤ Set the left plate of the take up need and place the reel into the register.
⑥ Press the `FEED` key to take up any slack in the paper.
⑦ Replace the printer cover slowly.

5. To remove receipt paper

① Open the platen arm.

② Remove the core of the paper.

6. To remove journal paper

① Remove the printer cover by lifting up the back.

② Press the [FEED] key until approximately 20cm of the paper is fed from the printer.
③ Cut off the roll paper.

④ Remove the take-up reel from the printer and take off the left plate of the reel.
⑤ Remove the journal paper from the take-up reel.

⑥ Open the platen arm.

⑦ Remove the core of the paper.

⑧ Load new paper following the instructions "1. To load journal paper".

7. Caution (in handling the thermal printer)

1. Never touch the printer head and platen.
2. Unpack the paper just before you use.
3. Avoid heat/ direct sunlight.
4. Avoid dusty and humid places for strage.
5. Do not scratch the paper.
6. Do not keep the paper under the following circumstances: High humidity and temperature/ direct sunlight/ contact with glue, thinner or rubber eraser.

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8. Basic Programming for QUICK START

Mode Switch

REG · CAL X · · Z
OFF ·
RF ·
PGM

| Procedure	Purpose

1. To select the date format and monetary mode (if necessary)
 	
You can select the date format and monetary mode after initialization depending on the requirements in your area. Default date format is Day/ Month/ Year and default monetary mode is add 2.
 	
3 [SUB TOTAL]
P3 appears in mode display
 	
0 1 2 2 [SUB TOTAL]
Program set code No.
 	
2 0 [= CA/AMT /TEND]
Select number from list A
Select number from list B
[SUB TOTAL]
(To end the setting)
 	
Date Format Selections
   Year/ Month/ Day **0**
A Day/ Month/ Year **1**
   Month/ Day/ Year **2**
 	
Monetary Mode Selections
   Add 0 (0.) **0**
B Add 1 (0.0) **1**
   Add 2 (0.00) **2**
	Select date format and monetary mode

2. Input the desired add-in tax rate to the appropriate department key. (This procedure below programs add-in tax rate only. If you want to set add-on tax or tax with special rounding, refer to page 27 of this manual.) A) Enter **1** and press the [SUB TOTAL] key. B) Press the [TAX PGM] key. C) Enter tax rate. (Example: For 6% enter "6", 5.75% enter "5.75".) D) Press the appropriate department key. E) Repeat step B) and C) to set other department key. F) Press the [SUB TOTAL] key to end tax programming. Note: In case of setting the wrong tax rate to the key, please enter **0** and press those department keys above, and quit this procedure by pressing [SUB TOTAL] key, and start from the beginning of this procedure. **Example :** Set add-in tax 8% to department 2, 3, 15% to department 4 key. [TAX PGM] Start tax program. **8** [−2 7/12/17] Enter tax rate and press dept key. **8** [×3 8/13/18] Enter tax rate and press dept key. **1 5** [÷4 9/14/19] Enter tax rate and press dept key. [SUB TOTAL] To end the setting.	Setting the tax rates

Procedure	Purpose
3. In case of accepting two (the Euro and the local) currencies. 3-1. Press the following keys to define the main currency/print out currency of the subtotal. **3** [SUB TOTAL] P3 appears in mode display **2** **4** **2** **2** [SUB TOTAL] **1** [= CA/AMT TEND] Euro Status [SUB TOTAL] (to end the setting) Euro status (1) Main currency = Local, Print out subtotal = Local: **0** (2) Main currency = Euro, Print out subtotal = Euro : **1** (3) Main currency = Local, Print out subtotal = Both: **2** (4) Main currency = Euro, Print out subtotal = Both : **3** 3-2. Press the following keys to set the currency exchange rate against the Euro. **1** [SUB TOTAL] P appears in mode display **1** **·** **5** **9** [PD] [SUB TOTAL] (To end the setting) Example: (Exchange rate and decimal position) Currency exchange rate = 1 Euro in local currency 1 Euro = 1.95583 DM : **1** **9** **5** **5** **8** **3** **5** · The rate within the range of 0.00001 to 999999.	Setting the Euro
4. In case of becoming to accept the Euro only. You can restrict the registable currency to the Euro only by the following procedure. 1. Turn the mode switch to Z position. 2. Issue all reset report including periodic data. 3. Press the following keys to set. **0** **1** **0** **7** **2** **0** **0** **2** [SUB TOTAL] [= CA/AMT TEND] If you want to cancel this operation, press [SUB TOTAL] instead of [= CA/AMT TEND].	Restricting the Currency to the Euro
5.For Australia only. You can set some programmable options to suit the Australian GST by the following procedure. 1. Turn the mode switch to Z position. 2. Press the following keys to program. **0** **1** **0** **1** **2** **0** **0** **1** [SUB TOTAL] [= CA/AMT TEND] If you want to cancel this operation, press [SUB TOTAL] instead of [= CA/AMT TEND].	Setting the Australian GST

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9. Basic Operation after Basic Programming

Mode Switch

REG. CAL X · · · Z
OFF ·
RF · ·
PGM

Note:
Whenever an error is generated, the input figures reset to 0. All printout samples are journal images and the header (date, time and consecutive no.) are eliminated from the samples.

	Operation		Printout
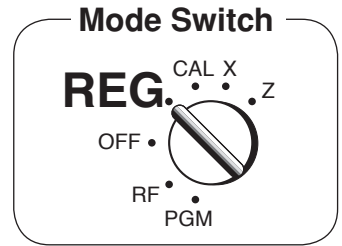
9-1 Open the drawer without a sale

`CHK/NS`

```
08-01-2010          08:55
REG                   0001

NS        · · · · · · · · · ·
```
— No Sale Symbol

9-2 Basic operation

Example

Unit Price	$1.00	$2.00	$0.30
Quantity	1	1	1
Dept.	1	10	15
Cash Amount tendered		$5.00	

`1` `0` `0` `+1`
Unit Price   Department 1

`#/DEPT SHIFT` `2` `0` `0` `5`
Department 10

`#/DEPT SHIFT` `#/DEPT SHIFT` `3` `0` `5`
Department 15

`SUB TOTAL`

`5` `0` `0` `= CA/AMT TEND`
Cash amount tendered
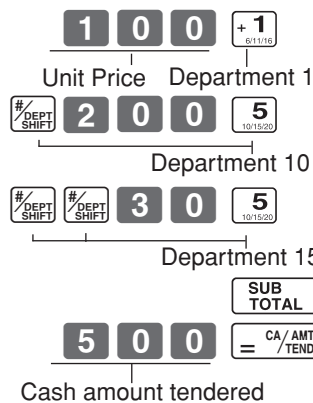
```
08-01-2010          09:00
REG                   0002

DEPT01              ·1.00
DEPT10              ·2.00
DEPT15              ·0.30
TOTAL             ·3.30
CASH               ·5.00
CHANGE             ·1.70
```
— Department No./Unit Price
— Subtotal
— Cash Amount Tendered
— Change Amount Due

Departments 6 through 10, 11 through 15, 16 through 20 can also be registered in combination with the `#/DEPT SHIFT` and `+1`, `-2`, `×3`, `÷4` or `5` keys, respectively. The `#/DEPT SHIFT` key should be entered just before entering unit price manually.

9-3 Multiple registration of the same items

Example

Unit Price	$1.00	$1.35
Quantity	2	3
Dept.	1	2

`1` `0` `0` `+1`
Unit Price   Department 1
`+1`
`3` `X/DATE TIME`
Quantity   Multiple key
`1` `3` `5` `-2`
`SUB TOTAL`
`= CA/AMT TEND`
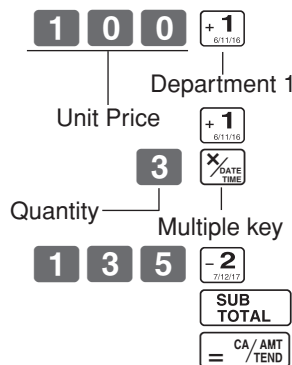
```
08-01-2010          09:05
REG                   0003

DEPT01              ·1.00
DEPT01              ·1.00
      3 X       @1.35
DEPT02              ·4.05
CASH             ·6.05
```
— Repeat
— Sales Quantity/ Unit Price

Note that repeat registration can be used with unit prices up to 6 digits long.

9-4 Charge sales

Example

Unit Price	$1.00	$2.00	$3.00
Quantity	1	1	1
Dept.	1	2	1

`1` `0` `0` `+1`
`2` `0` `0` `-2`
`3` `0` `0` `+1`
`SUB TOTAL`
`CH`
Charge key
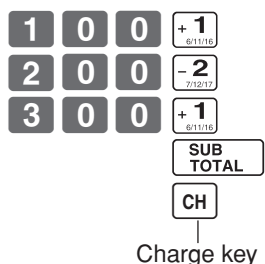
```
08-01-2010          09:10
REG                   0004

DEPT01              ·1.00
DEPT02              ·2.00
DEPT01              ·3.00
CHARGE           ·6.00
```
— Charge Sales

You cannot perform the amount tendered operation using the `CH` key.

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9-5 Split cash/ charge sales

Example

Unit Price	$2.00	$3.00	$4.00
Quantity	1	1	1
Dept.	1	2	1
Cash Amount tendered		$5.00	

Operation

2 0 0 [+ 1]
3 0 0 [- 2]
4 0 0 [+ 1]
[SUB TOTAL]
5 0 0 [= CA/AMT TEND]
[CH]

Printout

```
08-01-2010          09:25
REG                  0005

DEPT01             ·2.00
DEPT02             ·3.00
DEPT01             ·4.00
TOTAL              ·9.00
CASH               ·5.00 ── Cash Amount Tendered
CHARGE             ·4.00 ── Charge Sales
```

9-6 Corrections

9-6-1 Before you press a department key

Corrections can be made while you are registering the item (before you press a department key), or after it has already been registered into the memory (by pressing a department key).

[AC C] key clears the last item entered.

Example

1. Entered 400 for unit price by mistake instead of 100.

Operation

4 0 0 [AC C]
Wrong entry   Clears the last item entered.
1 0 0 [+ 1]
Correct entry   Registered Department 1

Printout

```
DEPT01             ·1.00
```

2. Entered unit price first instead of quantity and then pressed [X].

2 0 0 [X DATE TIME]
Unit price   Multiplication
[AC C]
Clears the last item entered.
5 [X DATE TIME]
Quantity   Multiplication
2 0 0 [- 2]
Unit price   Registered Department 2

```
        5 X        @2.00
DEPT02            ·10.00
```

3. Entered 150 for unit price by mistake instead of 105.

1 0 [X DATE TIME]
Quantity   Multiplication
1 5 0 [AC C]
Wrong entry   Clears the last item entered.
1 0 [X DATE TIME]
Quantity
1 0 5 [× 3]
Correct entry   Registered Department 3

```
       10 X        @1.05
DEPT03            ·10.50
```

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Mode Switch

REG. CAL X Z OFF RF PGM

9-6-2 After you pressed a department key

Operation

Printout

[ERR CORR] **key cancels the last registered item.**

Example

1. Entered unit price 550 by mistake instead of 505 and pressed a department key.

5 5 0 [+ 1 6/11/16]
Wrong entry

[ERR CORR]
Cancels the last item registered.

5 0 5 [+ 1 6/11/16]
Correct entry   Registered Department 1
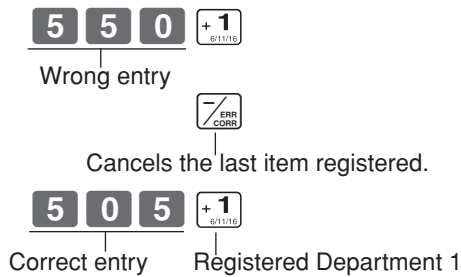
```
DEPT01              ·5.50
ERR CORR           -5.50
DEPT01              ·5.05
```

2. Entered unit price 220 by mistake instead of 230 and pressed a department key.

3 [× DATE TIME]
Quantity   Multiplication

2 2 0 [- 2 7/12/17]
Wrong entry

[ERR CORR]
Cancels the last item registered.

3 [× DATE TIME]

2 3 0 [- 2 7/12/17]
Correct entry   Registered Department 2
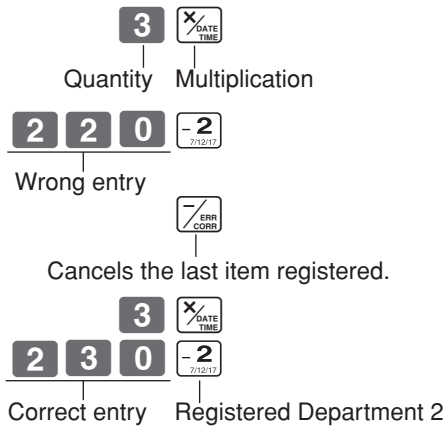
```
        3 x        @2.20
DEPT02              ·6.60
ERR CORR           -6.60
        3 X        @2.30
DEPT02              ·6.90
```

9-7 Registering with currency exchange

Mode Switch

REG. CAL X Z
OFF
RF
PGM

Part-1
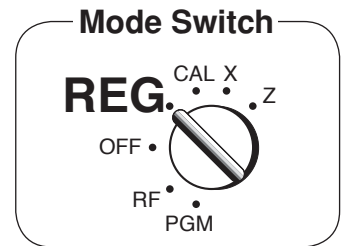
Example

Unit Price	£2.00
Quantity	3
Dept. 1	1
Cash Amount tendered	10.00 Euro
Rate	1Euro = £ 0.8
Main currency	Local (£)
Printout of ST	Both currencies

Operation　　　　　**Display**

3 [X/DATE TIME]
2 0 0 [+1 6/11/16]
[PD]
[SUB TOTAL]　　　　　`7.50E`

Pressing [PO] before subtotal converts the subtotal amount into the Euro.

1 0 00

[PD]　　　　　`10.00E`

Pressing [PD] after amount tendered converts the amount into the Euro. *1

[= CA/AMT TEND]　　　　　`2.00`

Press [= CA/AMT TEND] to finalize the transaction. The change amount in the main currency is shown on the display. *2
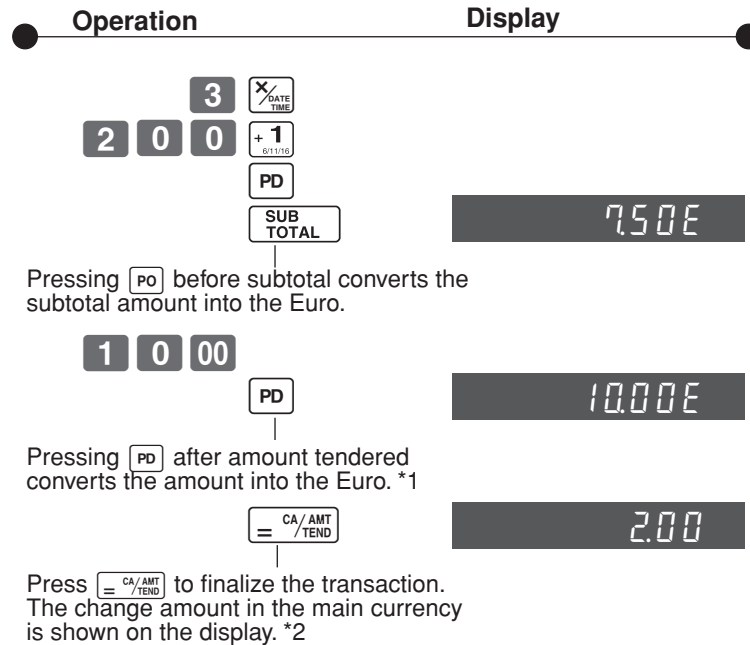
*1 If the payment is the same as the subtotal amount, you can omit this operation. Press [= CA/AMT TEND] key directly after the subtotal.
*2 If the payment is less than the subtotal amount, the cash register specifies it as a partial payment and shows the balance in the main currency on the display.

Printout

```
08-01-2010          09:30
REG                   0010

      3 x        @2.00
DEPT01              ·6.00
TOTAL              ·6.00  — Subtotal in the main currency
                   €7.50  — Subtotal after conversion
EURO                      — Payment in the Euro
CASH              €10.00
CASH               ·8.00  — Payment after conversion
CHANGE             ·2.00  — Change in the main currency
EURO CG            €2.50  — Change in the sub currency
```

E

10. Daily Management Report

This section tells you the procedures to use to produce reports of the transaction data stored in the cash register's memory.

Important

Remember that when you issue a reset (Z) report, the data that is reported is cleared from the applicable totalizers. To view data without clearing totalizers, issue a read (X) report.

10-1 Financial Report

Operation   Printout

Mode Switch

CAL **X** Z
REG
OFF
RF
PGM

$\boxed{\times_{\tiny DATE\ TIME}}$
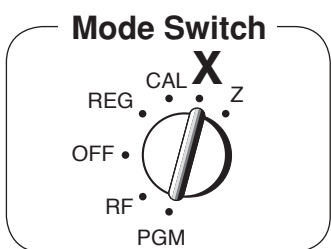
```
08-01-2010          19:10
X                    0070

     FLASH   X          — Read Symbol

GROSS TOTAL    QT    57 — Gross Sales No. of items
                ·270.48 — Gross Sales Amount
NET TOTAL      No    38 — Net Sales No. of Customers
                ·271.24 — Net Sales Amount
CASH-INDW       ·197.57 — Cash Total in Drawer
CHARGE-INDW      ·18.19 — Charge Total in Drawer
CHECK-INDW       ·45.18 — Check Total in Drawer
```

10-2 Read/Reset Report

10-2-1 Electronic journal Report

Operation   Printout

Mode Switch to (X)

$\boxed{5}$ $\boxed{8}$ $\boxed{=\ ^{CA/AMT}_{/TEND}}$

(Date)*

$\boxed{=\ ^{CA/AMT}_{/TEND}}$

(Consecutive No.)*

$\boxed{=\ ^{CA/AMT}_{/TEND}}$

```
10-01-2010          19:25
X                    0173

0058 EJ         X      — Read Symbol

REG            17:34   — Journal
                0023
DEPT01         ·2.24
CA            ·2.24
```

* If you want to designate read range, enter date and/ or cosecutive No..

If you want to reset the electronic journal, just press $\boxed{5}$ $\boxed{8}$ $\boxed{=\ ^{CA/AMT}_{/TEND}}$ in Z mode.

• Journal is saved in the memory and you can take a report any time you want.

10-2-2 Daily Read/Reset Report

Operation ———————————— **Printout**

Mode Switch to (**X**) (Read) $\boxed{= \, {}^{CA/AMT}_{TEND}}$

Mode Switch to (**Z**) (Reset) $\boxed{= \, {}^{CA/AMT}_{TEND}}$

Mode Switch

CAL X **Z**
REG
OFF
RF
PGM

X (Read) report is the same except [1] and [2].

Z (Reset) report
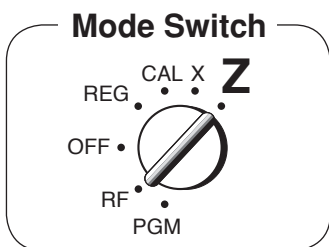
Printout			Description
08-01-2010		19:25	Date/Time
Z		0073	Consecutive No.
0000 DAILY	Z	0012	Non-resettable No. of Resets [1]/RESET Symbol [1]
DEPT01	QT	48	Dept. Name/ No. of Items
		·50.10	Amount
DEPT02	QT	28	
		·76.40	
DEPT03	QT	17	
		·85.80	
DEPT120	QT	4	
		·0.00	
- - - - - - - - - - - - - - -			
GROSS TOTAL	QT	108	Gross Sales No. of Items
		·316.80	Gross Sales Amount
NET TOTAL	No	46	Net Sales No. of Customers
		·325.13	Net Sales Amount
CASH-INDW		·199.91	Cash in Drawer
CHARGE-INDW		·16.22	Charge in Drawer
CHECK-INDW		·105.00	Check in Drawer
TA1		·105.10	Taxable Amount for Tax Rate 1
TAX1		·4.20	Tax Amount for Tax Rate 1
ROUNDING AMT		·1.23	Rounded Amount
RF-MODE TTL	No	2	Refnd Mode Count
		·0.50	Refund Mode Amount
CALCULATOR	No	3	No. of $\boxed{= \, {}^{CA/AMT}_{TEND}}$ key operation in CAL mode
- - - - - - - - - - - - - - -			
CASH	No	44	Cash Sales Count
		·203.91	Cash Sales Amount
CHARGE	No	3	Charge Sales Count
		·16.22	Charge Sales Amount
CHECK	No	2	Check Sales Count
		·105.00	Check Sales Amount
RC		·6.00	Received On Account Amount
PD		·10.00	Paid Out Amount
-		·0.50	Reduction Amount
%-		·0.66	Premium/Discount Amount
ERR CORR	No	21	Error Correction Count
NS	No	12	No sale Count
- - - - - - - - - - - - - - -			
CLERK01		·325.13	Clerk 1 Sales Amount (Refer to 2-8 Cashier Assignment)
- - - - - - - - - - - - - - -			
GT	·0,000,832,271.20		Non-resettable Grand Sales total (Printed only on RESET report) [2]

10-2-3 Periodic Read/ Reset Report

Operation ———————————— **Printout**

Mode Switch to (**Z**) or (**X**) $\boxed{1}$ $\boxed{0}$ $\boxed{= \, {}^{CA/AMT}_{TEND}}$

Printout			Description
12-01-2010		20:25	
Z		1100	Periocic Reset Symbol
0010 PERIODIC	ZZ	0001	Gross Sales No. of Items
			Gross Sales Amount
GROSS TOTAL	QT	67	Net Sales No. of Customers
		·270.73	Net Sales Amount
NET TOTAL	No	38	
		·271.24	

E

Mode Switch

CAL X
REG · · · Z
OFF ·
RF ·

PGM
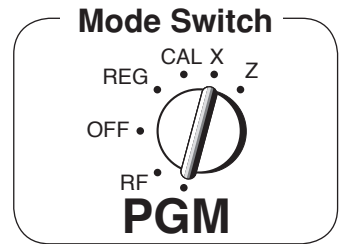
1. Various Programming

1-1 Unit price for Departments

Example

Unit Price	$1.00	$2.20	$11.00
Dept.	1	2	3

`1` `SUB TOTAL`

P appears in mode display

`1` `0` `0` `+ 1` (For Dept. 1)
`2` `2` `0` `- 2` (For Dept. 2)
`1` `1` `0` `0` `× 3` (For Dept .3)
`SUB TOTAL`
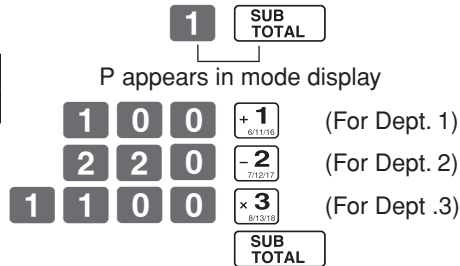
• Unit prices within the range of 0.01~9999.99.

1-2 Rate for percent key

Example

Discount Rate	2.5%

`1` `SUB TOTAL`

P appears in mode display

`2` `·` `5` `%/CLK#`
`SUB TOTAL`

(To end the setting)
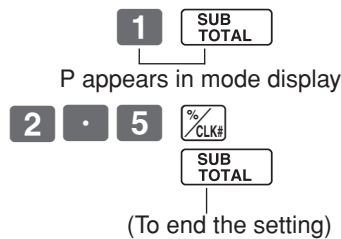
• The rate within the range of 0.01 to 99.99%.

1-3 To change tax status for Departments

Tax status for the Departments 1 ~ 20 are initialized as Non-Taxable.

`1` `SUB TOTAL` `TAX PGM`

P appears in mode display

`RC/MR` `+ 1`

Select key from list A   For Dept. 1

`#/DEPT SHIFT` `PD` `- 2`

Taxable status 2   For Dept. 7

`SUB TOTAL`

(To end the setting)

Example

Status	Taxable 1	Taxable 2
Depts.	1	7

Selections	
Taxable status 1	`RC/MR`
Taxable status 2	`PD`
Taxable status 3	`X/DATE TIME` **A**
Taxable status 4	`CH`
Non-taxable status	`CHK/NS`

1-4 Status for Department

Mode Switch

CAL X
REG · · Z
OFF ·
RF ·
PGM
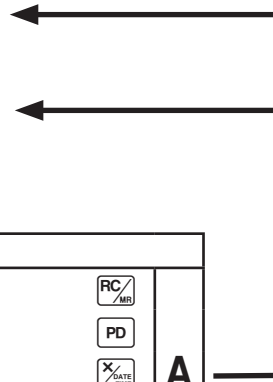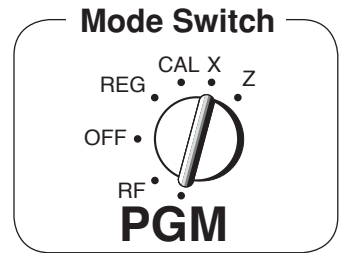
Example

Depts.	Selections		
	A	B	C
1	0	4	1
2	0	5	1

3 [SUB TOTAL]

P3 appears in mode display

0 **4** **1** [+ **1** 6/11/16] For Dept. 1

Select a number from list A

Select a number from list B

Select a number from list C

0 **5** **1** [- **2** 7/12/17] For Dept. 2

Normal department

Maximum No. of digits to be 5

Single item sale department

[SUB TOTAL]

(To end the setting)
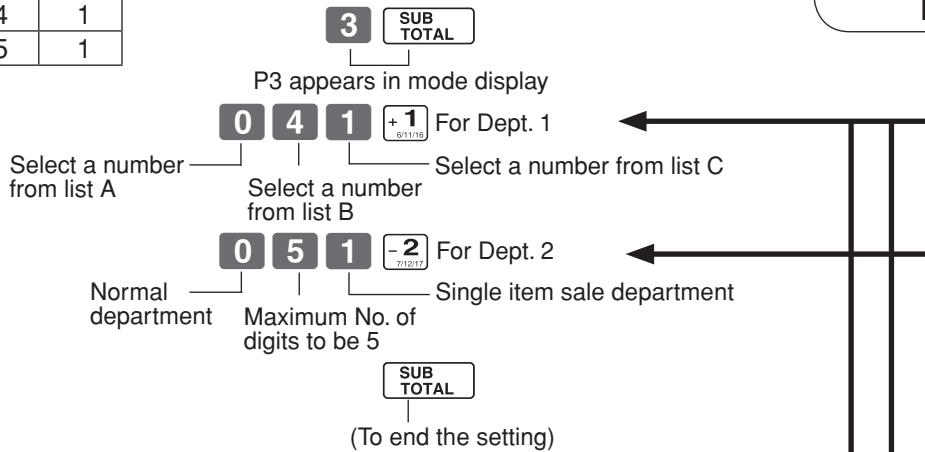
Selections		
Normal department	**0**	A
Minus department	**1**	
No limitation for manually entered price.(7digits)	**0**	B
Maximum number of digits for manually entered price. (1 ~ 7 digits)	**1** ~ **7**	
To prohibit manual price entries.	**8** or **9**	
Normal sales (not a single-item sale) department	**0**	C
Set as a single-item sale department	**1**	

1-5 Status for percent key
1-5-1 To change taxable status for the percent key   The percent key is initialized as Non-taxable.

1 [SUB TOTAL] [TAX PGM]

P appears in mode display

[RC/MR] [%/CLK#]

Example

Change Percent key registration as a Taxable status 1.
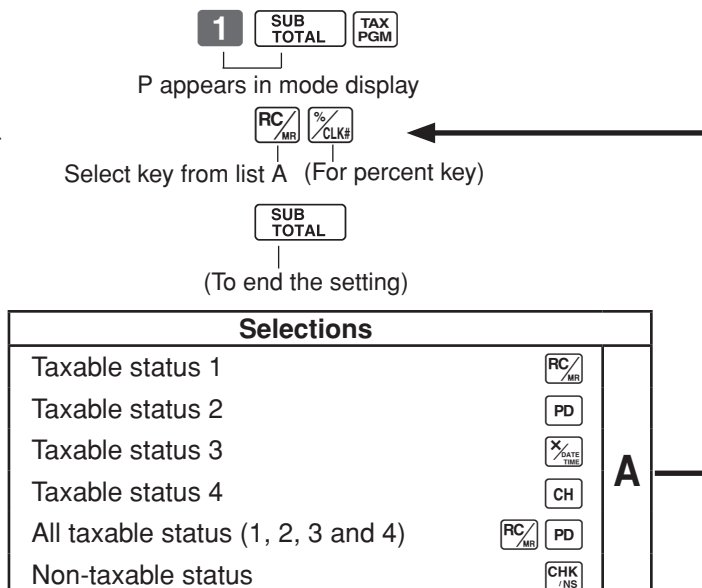
Select key from list A   (For percent key)

[SUB TOTAL]

(To end the setting)

Selections	
Taxable status 1	[RC/MR]
Taxable status 2	[PD]
Taxable status 3	[X/DATE TIME]
Taxable status 4	[CH]
All taxable status (1, 2, 3 and 4)	[RC/MR] [PD]
Non-taxable status	[CHK/NS]

A

Part-2

1-5-2 Status for percent key

Example

Round	Up
Percent	%+

`3` `SUB TOTAL`

P3 appears in mode display

`1` `1` `%/CLK#`

Select a number from list A   Select a number from list B

`SUB TOTAL`

(To end the setting)

Selections		
Rounding of results produced by Percent Key operation.		
Round off (1.544=1.54; 1.545=1.55)	`0`	**A**
Cut off (1.544=1.54; 1.545=1.54)	`1`	
Round up (1.544=1.55; 1.545=1.55)	`2`	
Program Percent Key to register discounts (%–).	`0`	**B**
Program Percent Key to register premiums (%+).	`1`	
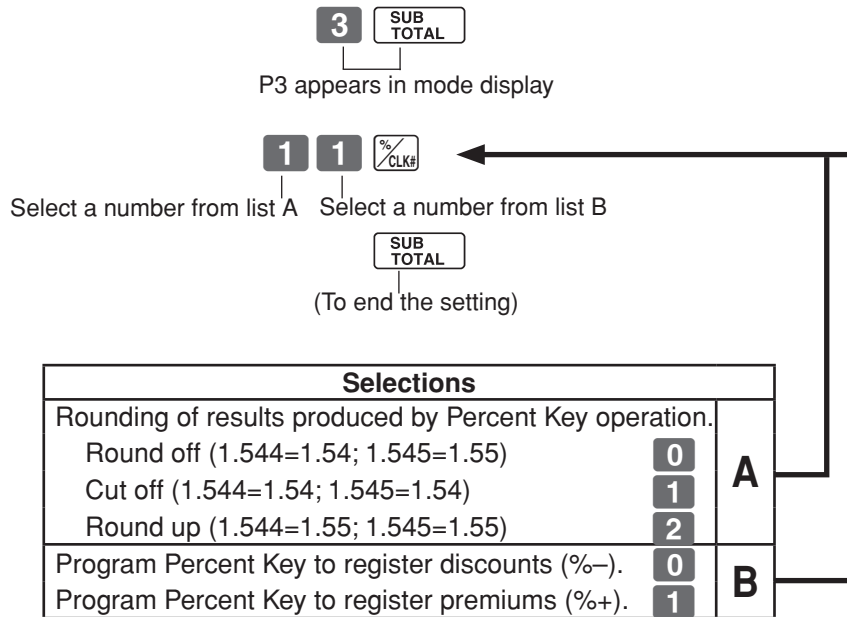
1-6 Taxable Status for minus key

The minus key is initialized as Non-taxable.

`1` `SUB TOTAL` `TAX PGM`

P appears in mode display

Example :
Change minus key registrations as a
Taxable status 1.

`RC/MR` `-/ERR CORR`

Select key from list A   Minus key

`SUB TOTAL`

(To end the setting)

Selections		
Taxable status 1	`RC/MR`	
Taxable status 2	`PD`	
Taxable status 3	`X/DATE TIME`	**A**
Taxable status 4	`CH`	
All taxable status (1, 2, 3 and 4)	`RC/MR` `PD`	
Non-taxable status	`CHK/NS`	
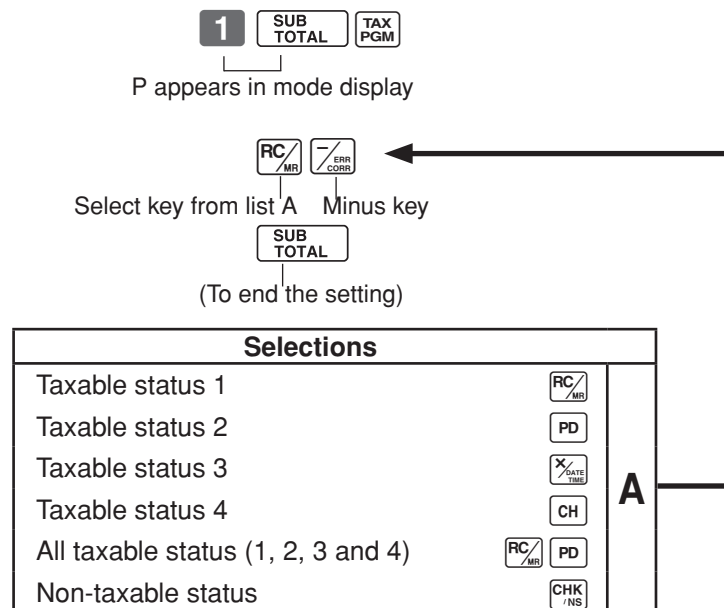
1-7 General features

1-7-1 To set general controls

Mode Switch

REG • CAL X • Z
OFF •
RF •

PGM

`3` `SUB TOTAL`

P3 appears in mode display

`0` `6` `2` `2` `SUB TOTAL`

Program code No.

`0` `0` `0` `0` `= CA/AMT TEND`

`SUB TOTAL`
(To end the setting)

Select a number from list A
Select a number from list B
Select a number from list C
Select a number from list D

A
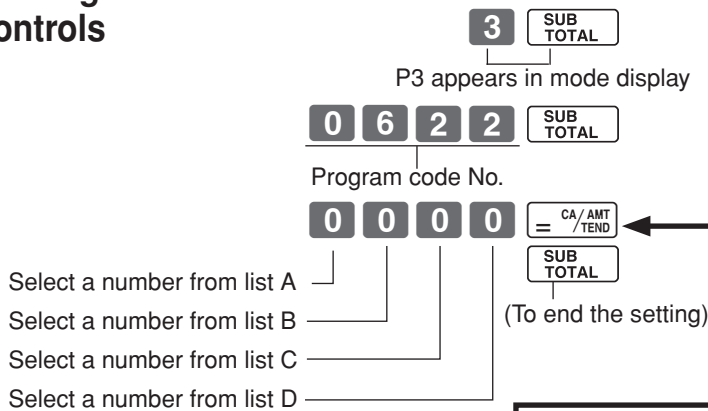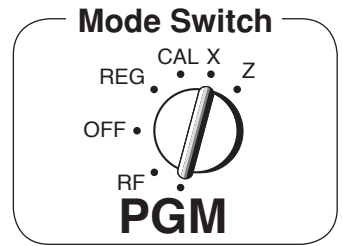
	Selections	
Limit the last 2 digits of total amount to 00 and 50 when Danish rounding is specified for subtotal and total amount.		
Key catch tone.		
Yes	No	`0`
Yes	Yes	`2`
No	No	`4`
No	Yes	`6`

B

		Selections	
Maintain key buffer during receipt issue in REG mode.			
Reset the consecutive number to zero whenever a Daily Reset Report is issued.			
Allow credit balance registration.			
No	Yes	Yes	`0`
No	Yes	No	`1`
No	No	Yes	`2`
No	No	No	`3`
Yes	Yes	Yes	`4`
Yes	Yes	No	`5`
Yes	No	Yes	`6`
Yes	No	No	`7`

C

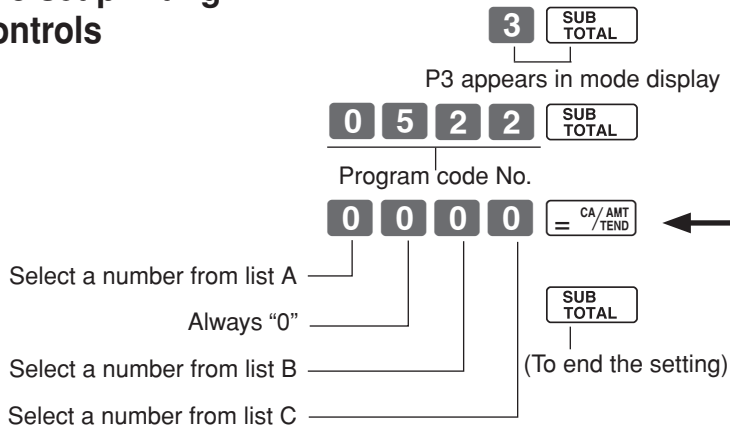|		Selections	
Time displays with second.			
Allow split cash amount tendered.			
Allow split check amount tendered.			
Yes	Yes	No	`0`
Yes	Yes	Yes	`1`
Yes	No	No	`2`
Yes	No	Yes	`3`
No	Yes	No	`4`
No	Yes	Yes	`5`
No	No	No	`6`
No	No	Yes	`7`

D

		Selections	
Use the `00` key as a 000 key.			
Cashier assignment systems (sign on) is used.			
Limit the last 1 digit of total amount to 0 and 5 when Malaysian rounding is specified for subtotal and total amount.			
No	No	No	`0`
No	No	Yes	`1`
No	Yes	No	`2`
No	Yes	Yes	`3`
Yes	No	No	`4`
Yes	No	Yes	`5`
Yes	Yes	No	`6`
Yes	Yes	Yes	`7`

1-7-2 To set printing controls

3 [SUB TOTAL]

P3 appears in mode display

0 **5** **2** **2** [SUB TOTAL]

Program code No.

0 **0** **0** **0** [= CA/AMT /TEND] ←

Select a number from list A

Always "0"

Select a number from list B

Select a number from list C

[SUB TOTAL]

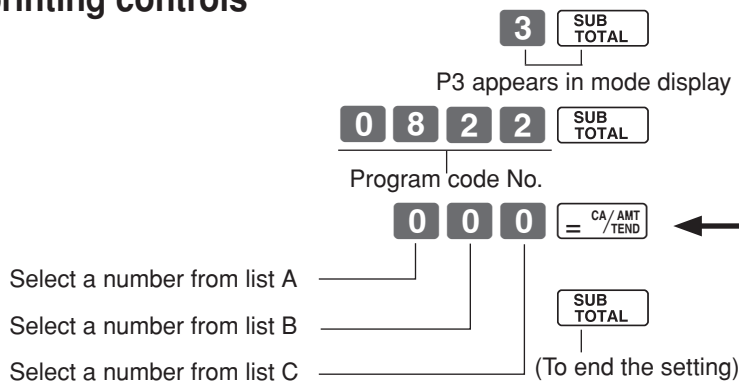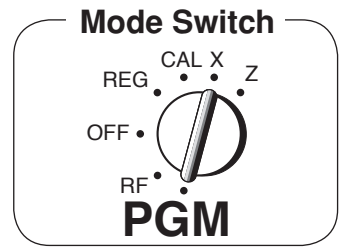(To end the setting)

Selections				
Use the printer to print receipts = R Use the printer to print a journal = J				
Print receipt by single/ double height characters.				
Print Total line at finalization				
No	Single	R	**0**	
		J	**1**	
	Double	R	**2**	
		J	**3**	A
Yes	Single	R	**4**	
		J	**5**	
	Double	R	**6**	
		J	**7**	

Selections		
Print the time on the receipt and journal.		
Yes	**0**	B
No	**4**	

Selections			
Print the consecutive number on the receipt/journal.			
Print the subtotal on the receipt/ journal when the Subtotal Key is pressed.			
Skip item print on journal.			
No	No	Yes	**0**
		No	**1**
	Yes	Yes	**2**
		No	**3**
Yes	No	Yes	**4**
		No	**5**
	Yes	Yes	**6**
		No	**7**

C

1-7-3 To set report printing controls

Mode Switch

PGM

`3` `SUB TOTAL`

P3 appears in mode display

`0` `8` `2` `2` `SUB TOTAL`

Program code No.

`0` `0` `0` `= CA/AMT TEND`

Select a number from list A

Select a number from list B

Select a number from list C

`SUB TOTAL`

(To end the setting)

	Selections
Clear electronic journal memory after Daily Reset Report.	
Yes	`0`
No	`1`

A

	Selections
Print RF switch mode refund count/ amount on the Daily Read/Reset Reports.	
Yes	`0`
No	`1`

B

		Selections
Print zero-total line on the Read/Reset Reports		
Print the grand sales total on the Reset Reports.		
Yes	No	`0`
	Yes	`1`
No	No	`2`
	Yes	`3`

C

Part-2

1-7-4 Printer switch for Receipt or Journal

The printer is initialized as receipt.

`1` `SUB TOTAL`

P appears in mode display

Example
To print a journal

`1` `CH`

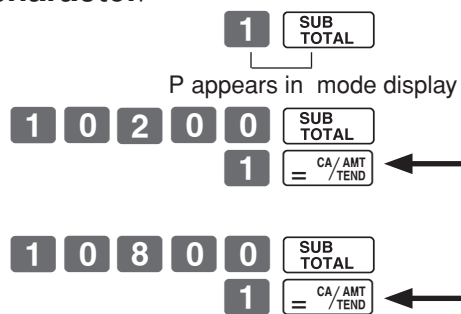Select a number from list A
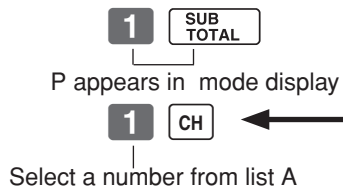
Selections		
Use the printer to print receipts.	`0`	A
Use the printer to print a journal.	`1`	

• Printer selection to print a journal or receipts can also be set on procedures 1-7-2 "To set printing controls".

1-7-5 Receipt printing character/ key catch tone

`1` `SUB TOTAL`

P appears in mode display

`1` `0` `2` `0` `0` `SUB TOTAL`
`1` `= CA/AMT TEND`

Selections		
Print receipt with single height.	`0`	A
Print receipt with double height.	`1`	

`1` `0` `8` `0` `0` `SUB TOTAL`
`1` `= CA/AMT TEND`

Selections		
Key catch tone	`0`	B
No key catch tone	`1`	

1-8 PLU setting

1-8-1 Linkage with Departments

Example

PLU No.	1	100
Link dept. No.	4	4

3 [SUB TOTAL]

P3 appears in mode display

1 [PLU] 4 [= CA/AMT /TEND] ←

PLU No.   Select number from list A

1 0 0 [PLU]

PLU No.

4 [= CA/AMT /TEND] ←

Dept. No. to be linked

[SUB TOTAL]

(To end the setting)

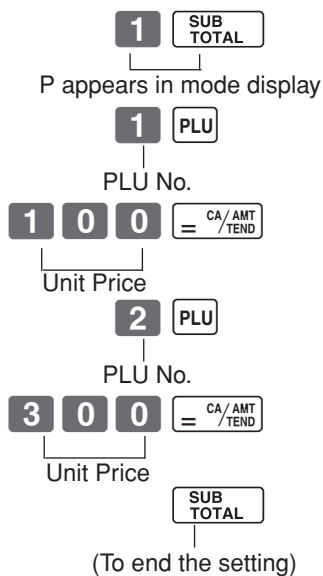| Selections		
Linked to dept. 20.		**0**
Linked depts. 1~20 respectively.	**1** ~ **2 0**	

A
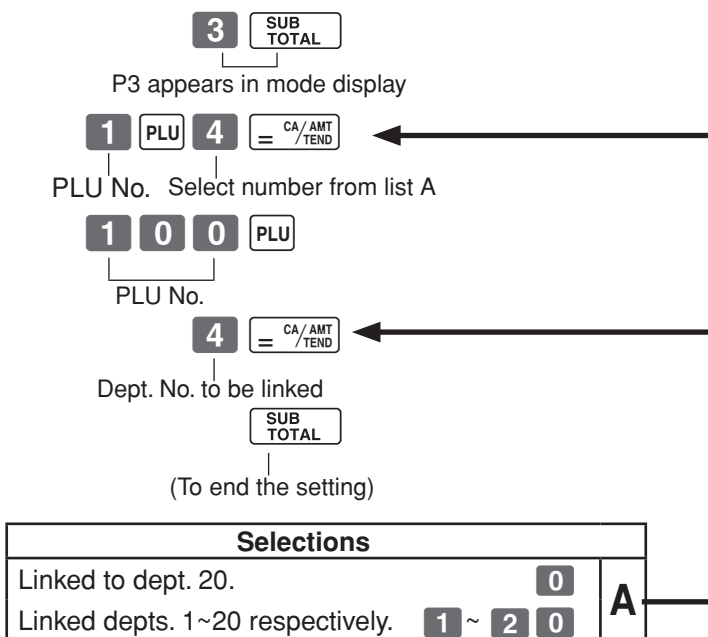
- 500 PLUs can be set.
- When the linked department is not specified, the PLU is linked to department 20.
- Status for a single-item sale and tax status are followed the specified linked department.
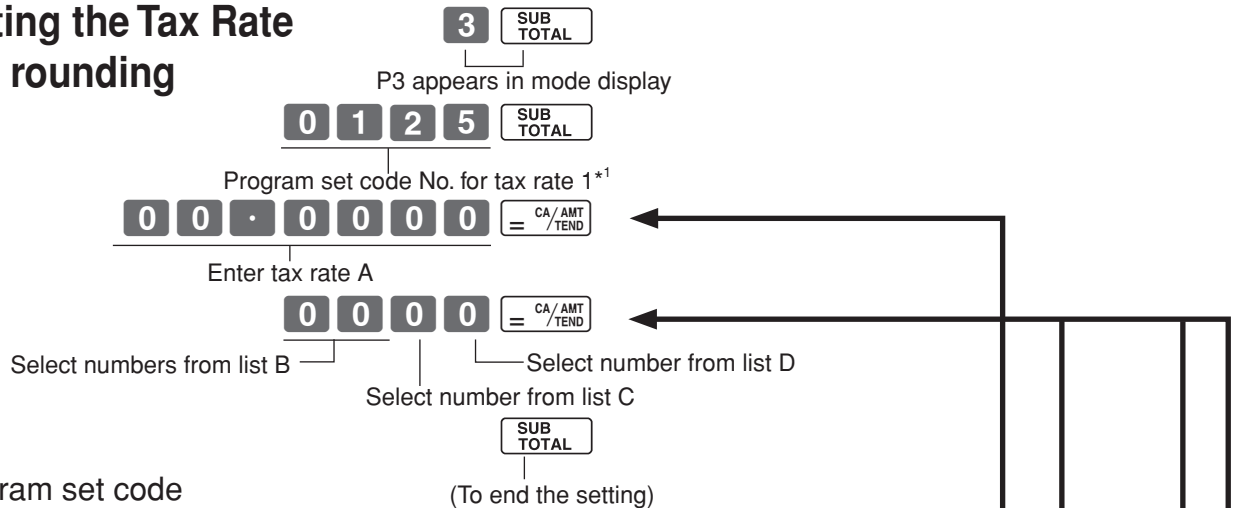
1-8-2 Unit Prices for PLUs

Example

PLU No.	1	2
Unit Price	$1.00	$3.00

1 [SUB TOTAL]

P appears in mode display

1 [PLU]

PLU No.

1 0 0 [= CA/AMT /TEND]

Unit Price

2 [PLU]

PLU No.

3 0 0 [= CA/AMT /TEND]

Unit Price

[SUB TOTAL]

(To end the setting)

- Unit prices within the range of $0.01~9999.99.

1-9 Setting the Tax Rate and rounding

3 [SUB TOTAL]

P3 appears in mode display

0 **1** **2** **5** [SUB TOTAL]

Program set code No. for tax rate 1*1

0 **0** **·** **0** **0** **0** **0** [= CA/AMT TEND]

Enter tax rate A

0 **0** **0** **0** [= CA/AMT TEND]

Select numbers from list B — Select number from list D

Select number from list C

[SUB TOTAL]

(To end the setting)

*1 Program set code No. for Tax rate 2 is
0 **2** **2** **5**
Tax rate 3 is
0 **3** **2** **5**
Tax rate 4 is
0 **4** **2** **5** .

• You can use either an add-on rate tax or an add-in rate tax (VAT), depending on the requirements in your area. You can specify only one tax rate.

• The normal rounding specification tells the cash register how to round tax amounts to the proper number of decimal places.

• The special rounding specification and Danish rounding tell the cash register how to round off subtotals and totals so that their rightmost 2 digits are 00 and 50.

• Note that the rounding specification you program for your cash register depends on the tax laws of your country.

Tax rate specifications	
The tax rate within the range of 0.0001 ~ 99.9999%. Use [·] key for decimal point.	**A**

Normal rounding specifications		
Cut off to 2 decimal places. (1.544=1.54; 1.545=1.54)	**0** **0**	
Round off to 2 decimal places. (1.544=1.54; 1.545=1.55)	**5** **0**	**B**
Round up to 2 decimal places. (1.544=1.55; 1.545=1.55)	**9** **0**	

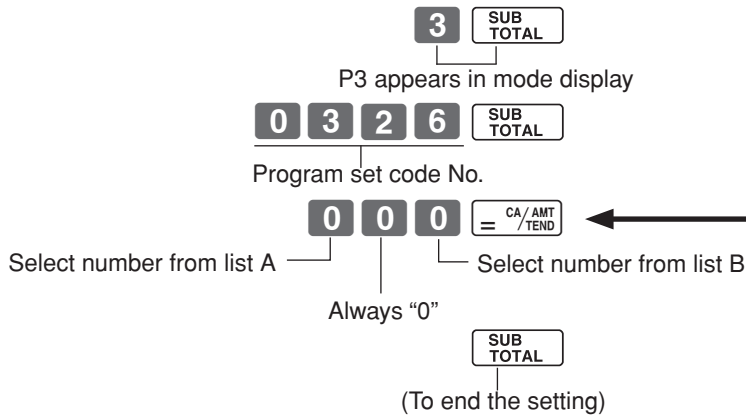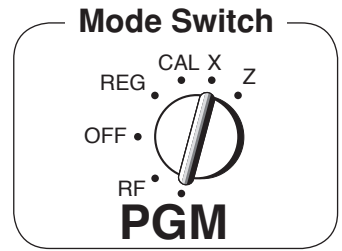| Special rounding specifications for subtotal and total amounts		
No specifications	**0**	
Special rounding 1: 0 ~ 2 → 0; 3 ~ 7 → 5; 8 ~ 9 → 10 Examples: 1.21=1.20; 1.26=1.25; 1.28=1.30	**1**	
Special rounding 2: 0 ~ 4 → 0; 5 ~ 9 → 10 Examples: 1.123=1.120; 1.525=1.530	**2**	
Danish rounding *2: 0 ~ 24 → 0; 25 ~74 → 50; 75 ~ 100 → 100 (set the amount tender restriction on page 23 also) Examples: 1.11=1.00; 1.39=1.50;1.99=2.00	**3**	
Malaysian rounding: 0 ~ 2 → 0; 3 ~ 7 → 5; 8 ~ 9 → 10 (set the amount tender restriction on page 23 also) Examples: 1.21=1.20; 1.26=1.25; 1.28=1.30	**5**	**C**
Scandinavian rounding: 0~ 24 → 0; 25 ~ 74 → 50; 75 ~ 99 → 100 Examples: 1.21=1.00; 1.30=1.50; 1.87=2.00	**6**	
Australian rounding (only for tax rate 1) 0 ~ 2 → 0; 3 ~ 7 → 5; 8 ~ 9 → 10 Examples: 1.21=1.20; 1.26=1.25; 1.28=1.30	**7**	
Czech rounding: 0 ~ 49 → 00; 50 ~ 99 → 100 Examples: 1.23=1.00; 1.52=2.00	**8**	

Normal rounding specifications		
No specifications.	**0**	
Specifies add-on rate tax.	**2**	**D**
Specifies add-in rate tax (VAT).	**3**	

See page 20 (department key), 21 (percent key), 22 (minus key) to change the fixed tax status.
*2: In case of defining Danish rounding, the Euro should be set to the sub currency and the local to the main currency.

Part-2

1-10 To control Tax Status printing

Mode Switch

REG · CAL X · Z
OFF ·
RF ·
PGM

3 [SUB TOTAL]
P3 appears in mode display

0 **3** **2** **6** [SUB TOTAL]
Program set code No.

0 **0** **0** [= CA/AMT TEND] ◄────

Select number from list A ──┘   └── Select number from list B

Always "0"

[SUB TOTAL]
(To end the setting)

		Selections		
Print tax total line (only for Australia).				
Print tax symbol.				
No	No	**0**	**A**	
	Yes	**1**		
Yes	No	**2**		
	Yes	**3**		

		Selections		
Print taxable amount.				
Print taxable amount and tax amount for Add-in.				
No	No	**0**	**B**	
	Yes	**1**		
Yes	No	**2**		
	Yes	**3**		

1-11 To program department, PLU, clerk name, receipt message

Mode Switch

REG, CAL X, Z, OFF, RF, **PGM**

1-11-1 Simple character list fror [HELP]

You can set department and PLU name by using a simple character list fror [HELP]
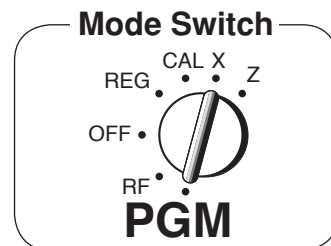
1-1. Issue category list.

[1] [2] [HELP]

```
112:ARTICLE SALE
212:BOOK, STATIONARY
312:ELECTRONIC GOODS
412:DRESSING
512:SERVICE
612:PHARMACY
712:FOODSTUFFS
812:MEAL
912:OTHER
```

Categories

1-2. Issue category list.

[4] [1] [2] [HELP]

```
DRESSING
401:JEWELRY
402:CLOTHING
403:UMBRELLA
404:SHOES
   :    :
   :    :

428:SCARF
```

2-1. Programming department name.

Example

Department	2	8
Name	JEWELRY	SHOES
Character code	401	404

[2] [SUB TOTAL]

P2 appears in mode display

[4] [0] [1] [~2]

[4] [0] [4] [#/DEPT SHIFT] [× 3]

[SUB TOTAL]

(To end the setting)

2-2. Reset department name.

Department	2
Name	DEPT01
Character code	0

2 [SUB TOTAL]

P2 appears in mode display

0 [− **2** 7/12/17]

[SUB TOTAL]

(To end the setting)
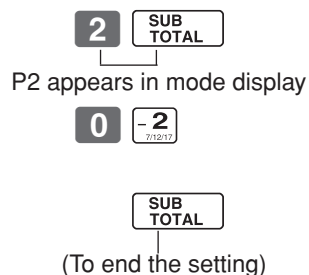
2-3. Programming department PLU

PLU(1-1200)	2	30
Name	CLOTHING	UMBRELLA
Character code	402	403

2 [SUB TOTAL]

P2 appears in mode display

2 [PLU] [—] **4** **0** **2** [= CA/AMT TEND]

3 **0** [PLU] [—] **4** **0** **3** [= CA/AMT TEND]

(To end the setting)
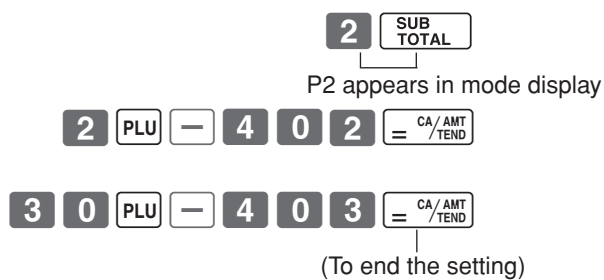
2-4. Reset PLU name.

PLU(1-1200)	30
Name	PLU0030
Character code	0

2 [SUB TOTAL]

P2 appears in mode display

3 **0** [PLU] [—] **0** [= CA/AMT TEND]

[SUB TOTAL]

(To end the setting)
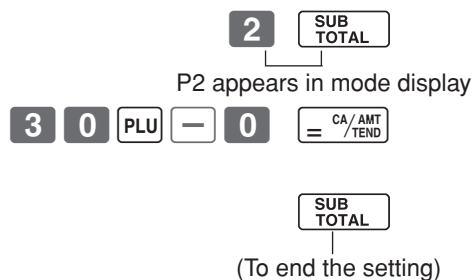
1-11-2 Character keyboard

In the PGM 2 mode, the keyboard becomes character setting keyboard illustrated below after specifying a department, a PLU, or a clerk.

① Double size key
Use this key to specify the next character to a double sized character. You must press this key before each double sized character.

② Alphabet keys
Use these keys to input characters. Refer to the next page to enter characters.

③ Right arrow key
Use this key to input the character located on the same alphabet key. This key is also used for inputting a space.

④ Delete key
Use this key to delete character just entered.

⑤ PLU key
Use this key to input PLU code.

⑥ Department keys
Use this key to specify department.

⑦ Department shift key
Use this key to shift department.
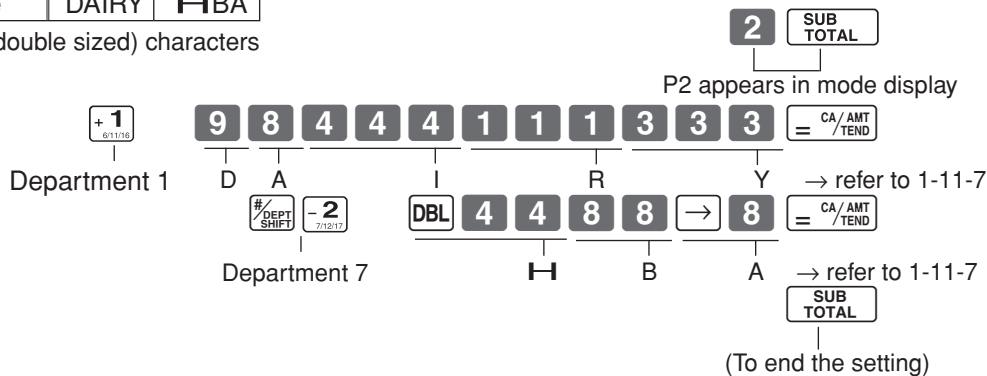
⑧ Clerk number key
Use this key to input clerk number.
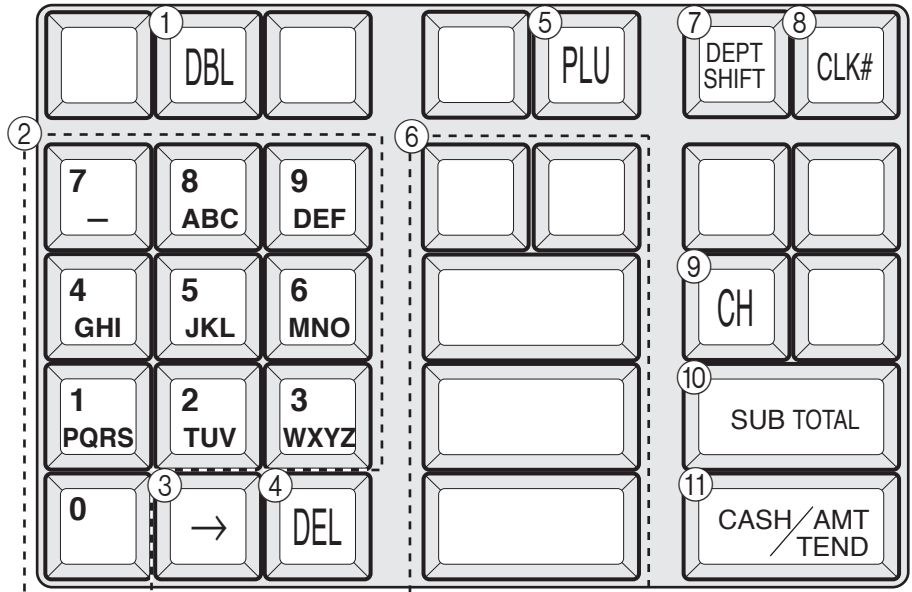
⑨ Receipt message number key (CH key).
Use this key to program receipt message.

⑩ Program end key (SUB TOTAL key)
Use this key to terminate character programming.

⑪ Character program key (= CA/AMT TEND key)
Use this key to program the PLU / clerk characters just entered before.

1-11-3 Programming department name

Example

Department	1	7
Name	DAIRY	⊢BA

up to 8 (4 double sized) characters

2 SUB TOTAL

P2 appears in mode display

Department 1 — 9 8 4 4 4 1 1 1 3 3 3 = CA/AMT TEND
D A I R Y → refer to 1-11-7

Department 7 — DBL 4 4 8 8 → 8 = CA/AMT TEND
⊢ B A → refer to 1-11-7

SUB TOTAL
(To end the setting)

1-11-4 Programming PLU name

Example

PLU (1 ~ 500)	1	50
Name	DAIRY	⊢BA

up to 8 (4 double sized) characters

2 [SUB TOTAL]

P2 appears in mode display

1 [PLU]

PLU No.

9 **8** **4** **4** **4** **1** **1** **1** **3** **3** **3** [= CA/AMT TEND]

D   A   I   R   Y   → refer to 1-11-7

5 **0** [PLU]   **4** **4** **8** **8** [→] **8** [= CA/AMT TEND]

PLU No.   H   B   A   → refer to 1-11-7

[SUB TOTAL]

(To end the setting)
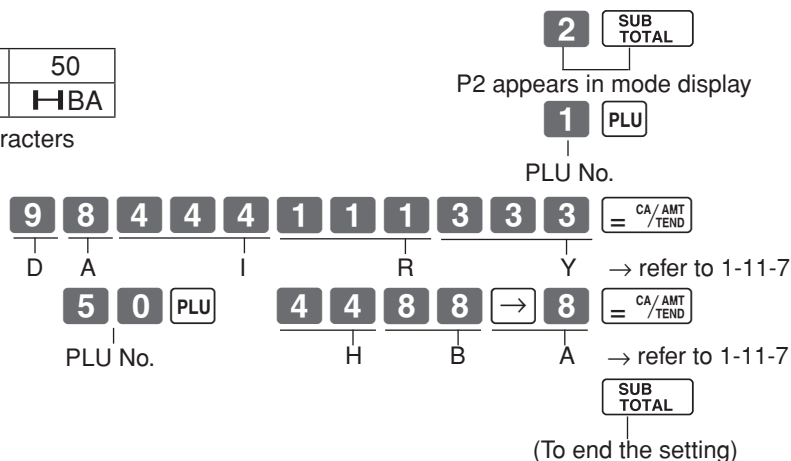
1-11-5 Programming clerk name

Example

Clerk (1~ 8)	1	5
Name	JOHN	KATE

up to 8 (4 double sized) characters

2 [SUB TOTAL]

P2 appears in mode display

1 [% CLK#]

Clerk No.

5 **6** **6** **6** **4** **4** **6** **6** [= CA/AMT TEND]

J   O   H   N   → refer to 1-11-7

5 [% CLK#]   [DBL] **5** **5** [DBL] **8** [DBL] **2** [DBL] **9** **9** [= CA/AMT TEND]

Clerk No.   K   A   T   E   → refer to 1-11-7

[SUB TOTAL]

(To end the setting)
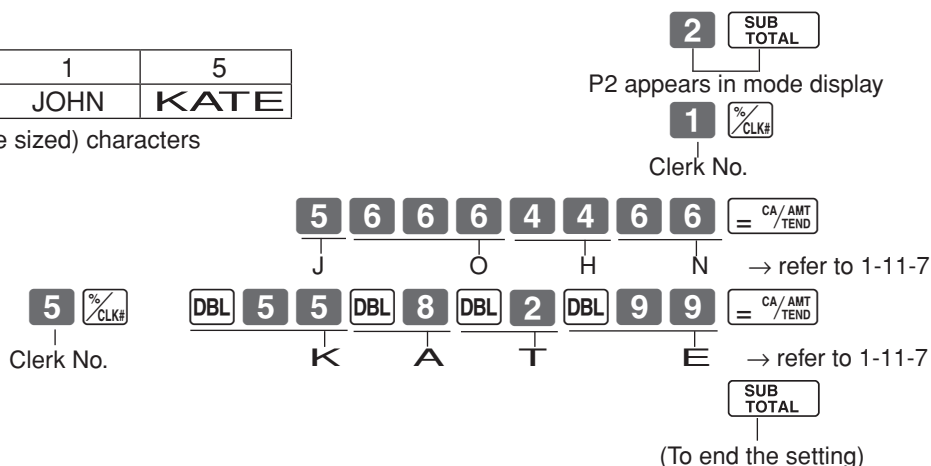
1-11-6 Programming receipt message

Example

Line (1 ~ 5)	2
Message	THANK YOU

up to 24 (12 double sized) characters

2 [SUB TOTAL]

P2 appears in mode display

2 [CH]

Line No.

2 **4** **4** **8** **6** **6** **5** **5** [→] [→]

T   H   A   N   K fix "K" space

```
YOUR RECEIPT   ←Line1
  THANK YOU    ←Line2
 CALL AGAIN    ←Line3
```

3 **3** **3** **6** **6** **6** **2** **2** [= CA/AMT TEND]

Y   O   U   → refer to 1-11-7

[SUB TOTAL]

(To end the setting)
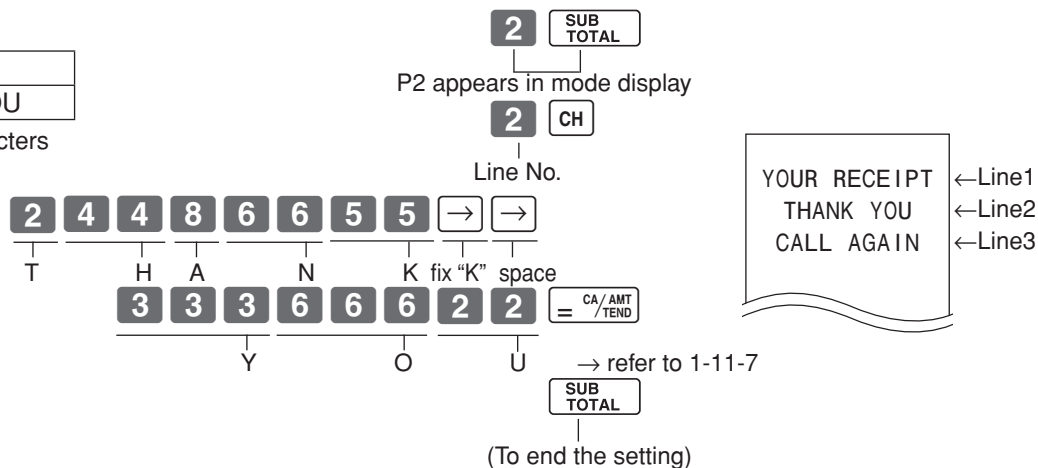
1-11-7 Alphabetical order

Characters are assigned to each numeric key. You can enter "A" by pressing 8 once, "B" twice, "C" three times …
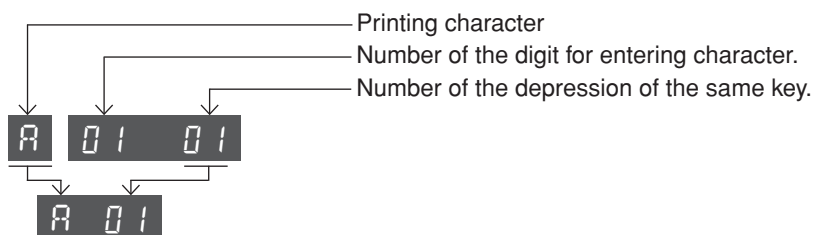The following tables indicate character assignment and the depression numbers of the key to enter the appropriate character.

A, B, C, a, b, c, 8, … — 8 key

: A → B → C → a → b → c → 8 →

A 01	B 02	C 03	a 04	b 05	c 06	8 07

→ Ä → Å → Æ → Á → Â → À → Ã →

Ä 08	Å 09	Æ 10	Á 11	Â 12	À 13	Ã 14

→ Ç → à → ä → â → á → å → ã →

Ç 15	à 16	ä 17	â 18	á 19	å 20	ã 21

→ ã → ç → returns to the beginning

ã 22	ç 23

D, E, F, d, e, f, 9, … — 9 key

: D → E → F → d → e → f → 9 →

D 01	E 02	F 03	d 04	e 05	f 06	9 07

→ Đ → É → Ê → Ë → È → ð → é →

Đ 08	É 09	Ê 10	Ë 11	È 12	ð 13	é 14

→ ê → ë → è → f → returns to the beginning

ê 15	ë 16	è 17	f 18

G, H, I, g, h, i, 4, … — 4 key

: G → H → I → g → h → i → 4 →

G 01	H 02	I 03	g 04	h 05	i 06	4 07

→ Î → Ì → Ï → Ï → Í → î → ì →

Î 08	Ì 09	Ï 10	Ï 11	Í 12	î 13	ì 14

→ ï → í → í → returns to the beginning

ï 15	í 16	í 17

J, K, L, j, k, l, 5, … — 5 key

: J → K → L → j → k → l → 5 →

J 01	K 02	L 03	j 04	k 05	l 06	5 07

→ returns to the beginning

M, N, O, m, n, o, 6, … — 6 key

: M → N → O → m → n → o → 6 →

M 01	N 02	O 03	m 04	n 05	o 06	6 07

→ Ñ → Ö → Ø → Ó → Ô → Ò → Õ →

Ñ 08	Ö 09	Ø 10	Ó 11	Ô 12	Ò 13	Õ 14

→ ñ → ö → ô → ò → ø → ó → õ →

ñ 15	ö 16	ô 17	ò 18	ø 19	ó 20	õ 21

→ returns to the beginning

Part-2

Key group	Characters
P, Q, R, S, p, q, r, s, 1, … [1] key	: P →Q →R →S →p →q →r → P 01 / Q 02 / R 03 / S 04 / P 05 / q 06 / r 07 →s →1 →þ →Þ →ß → returns to the beginning s 08 / 1 09 / P 10 / P 11 / B 12
T, U, V, t, u, v, 2, … [2] key	: T →U →V →t →u →v →2 → T 01 / U 02 / V 03 / t 04 / u 05 / v 06 / 2 07 →Ü →Ú →Û →Ũ →ü →û →ù → U 08 / U 09 / U 10 / U 11 / u 12 / u 13 / u 14 →ú →µ → returns to the beginning u 15 / u 16
W, X, Y, Z, w, x, y, z, 3, … [3] key	: W →X →Y →Z →w →x →y → W 01 / X 02 / Y 03 / Z 04 / w 05 / x 06 / y 07 →z →3 →ŷ →ÿ →ỹ → returns to the beginning z 08 / 3 09 / y 10 / y 11 / y 12
0 [0] key	: 0 → returns to the beginning 0 01
7, Symbols, … [7] key	: 7 →@ →- →/ →: →! →? → 7 01 / @ 02 / - 03 / / 04 / : 05 / ! 06 / ? 07 →˜ →(→) →＊ →# →+ →, → ~ 08 / (09 /) 10 / * 11 / # 12 / + 13 / , 14 →ˆ →; →< →= →> →$ →¥ → ^ 15 / ; 16 / < 17 / = 18 / > 19 / $ 20 / ¥ 21 →% →& →[→] →' →{ →| → % 22 / & 23 / [24 /] 25 / ' 26 / { 27 / | 28 →} →· →" →. →\ →_ →` →   } 29 / · 30 / " 31 / . 32 / \ 33 / _ 34 / ` 35 →£ →× →¿ →¡ →€ →§ → space → £ 36 / × 37 / ¿ 38 / ¡ 39 / € 40 / § 41 / 42 → returns to the beginning

Cf.

Printing character
Number of the digit for entering character.
Number of the depression of the same key.

A 01 01

A 01

1-12 Printing to read All Preset Data

• Printing preset data.

1-12-1 Printing preset data except PLU settings

Mode Switch

REG CAL X Z
OFF
RF

PGM

Operation	Printout

[CA/AMT TEND]

```
DEPT01      T1      @1.00
                    0000
DEPT02              @10.00
                    0000
DEPT20              @5.00
                    0000

-           T1
%-(12.34%)  T1
                    0000
1EURO               ·1.29739

10200               0
10800               0

0122                0022
0522                1020
0622                0000
0822                0000
1022                0000
0326                0202
2422                2

CLERK01             1
CLERK02             2
CLERK03             3
CLERK04             4
CLERK05             5
CLERK06             6
CLERK07             8

0125
                 4 %
                 5003
                 0000
0225
              5.25 %
                 5003
                 0000

                 01

                 02
YOUR RECEIPT
                 07
TAXABLE SUPPLY
                 08
TAX INVOICE
```

- Dept Name./Unit Price
- Tax Status/Normal Dept/ Digit Limit/Single Item
- Minus/Tax Status
- Percent Rate/%+ or %-
- Tax Status/Percent Key Control
- Euro Exchange Rate
- Date/Monetary Mode Control
- Key catch tone Control
- Print Control
- General Control
- Calculation Control
- Tax Control
- Euro Status
- Tax Rate1
- Rounding specification/ Tax System specification
- Tax Rate 2
- Receipt message

Part-2

Mode Switch

CAL X
REG • • • Z
OFF •
RF •

PGM

1-12-2 Printing preset PLU settings

Operation   **Printout**

| 1 | = CA/AMT TEND |

```
PLU0001              @1.00      PLU Name/Unit Price
 #0001                0000      PLU No./Program
PLU0002              @2.00
 #0002                0002
PLU0003              @3.00
 #0003                0000
PLU0004              @4.00
 #0004                0000
PLU0199          @1,999.00
 #0199                0000
PLU            @500.00
 #0500
```

Stop printing by [SUB TOTAL] [SUB TOTAL].

2. Various Operations

2-1 Registration using preset price for Departments.

(Programming: See page 20)

Mode Switch

REG · CAL X · Z
OFF ·
RF ·
PGM

Operation   **Printout**

Example

Unit Price	$1.00	$2.20	$11.00
Quantity	1	2	4
Depts.	1	2	3
Amount tendered	$50.00		

```
+1 6/11/16
-2 7/12/17
-2 7/12/17
4  X/DATE TIME ×3 8/13/18
SUB TOTAL
5 0 0 0 = CA/AMT TEND
```

```
08-01-2010            15:30
REG                    0040

DEPT01                 ·1.00
DEPT02                 ·2.20
DEPT02                 ·2.20 — Repeat
    4 X        @11.00       — Multiplication/Unit Price
DEPT03                ·44.00
TOTAL                ·49.40
CASH                  ·50.00 — Cash Amount Tendered
CHANGE                 ·0.60 — Change
```

Part-2

2-2 Single-Item Sales

(Programming: See page 21)

```
5 0 +1 6/11/16
```

```
08-01-2010            15:45
REG                    0041

DEPT01                 ·0.50
CASH                   ·0.50 — Cash Sales
```

Example 1:

Status	Single item sale
Unit Price	$0.50
Quantity	1
Dept.	1

For this example, Dept. 1 is programmed for a single-item-sale.

Example 2:

Status	Normal	Single item sale
Unit Price	$1.00	$0.50
Quantity	1	1
Dept.	2	1

```
1 0 0 -2 7/12/17
5 0 +1 6/11/16
SUB TOTAL
= CA/AMT TEND
```

```
08-01-2010            16:00
REG                    0042

DEPT02                 ·1.00
DEPT01                 ·0.50
CASH                   ·1.50 — Cash Sales
```

Single-item sale cannot be finalized if an item is registered previously.

2-3 Check sales

Operation   **Printout**

Example

Unit Price	$35.00
Quantity	2
Depts.	4

```
3 5 0 0 ÷4 9/14/19
÷4 9/14/19
SUB TOTAL
CHK/NS
```

```
08-01-2010            16:10
REG                    0043

DEPT04                ·35.00
DEPT04                ·35.00
CHECK                 ·70.00 — Check Sales
```

E

2-4 Split cash/ check sales

Example

Unit Price	$30.00	$25.00
Quantity	1	1
Depts.	2	3
Cash amount tendered	$20.00	
Check	$35.00	

```
3 0 0 0 -2
        7/12/17
2 5 0 0 ×3
        8/13/18
SUB
TOTAL
2 0 0 0 = CA/AMT
          TEND
CHK
/NS
```

```
08-01-2010           16:15
REG                    0044

DEPT02               ·30.00
DEPT03               ·25.00
TOTAL               ·55.00
CASH                 ·20.00
CHECK                ·35.00
```

2-5 Post receipt issuance

Example

Unit Price	$1.00	$2.00
Quantity	1	1
Depts.	1	2
Cash amount tendered	$5.00	

You can issue a post receipt after finalizing a transaction by pressing POST/RECEIPT.

Note that all of the following condition must be satisfied:
• Print "receipt" option is selected.
• Paper Saving mode must be "ON".
• The transaction must be finalized in the REG/RF mode using = CA/AMT TEND, CH or CHK/NS.

```
1 0 0 +1
2 0 0 -2
SUB
TOTAL
5 0 0 = CA/AMT
          TEND
```
(Receipt is not issued.)

```
POST
RECEIPT
```
(Receipt is issued.)

Note:

You can issue only one post receipt per transaction.

(Post receipt)

```
08-01-2010           16:25
REG                    0045

DEPT01                ·1.00
DEPT02                ·2.00
TOTAL                ·3.00
CASH                  ·5.00
CHANGE                ·2.00
```

If the transaction contains more than 40 lines (including receipt header), then the total formatted post receipt is issued.

(Total formatted post receipt)

```
08-01-2010           16:25
REG                    0045

CASH                 ·3.00
```

2-6 Refund

Mode Switch
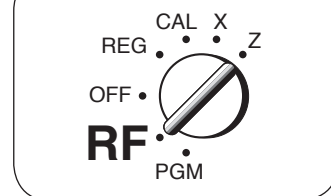
Operation   **Printout**

Example

Unit Price	$1.00	$2.00
Quantity	1	1
Depts.	2	3

```
1 0 0 -2
        7/12/17
2 0 0 ×3
        8/13/18
SUB
TOTAL
= CA/AMT
    TEND
```

```
08-01-2010           16:55
RF                     0050

DEPT02                ·1.00
DEPT03                ·2.00
CASH                 ·3.00
```
Refund Mode Indicator

After you finish RF mode operation, be sure to return the Mode Switch to the REG (register) setting.

2-7 PLU operation

Mode Switch

REG. CAL X Z / OFF / RF / PGM
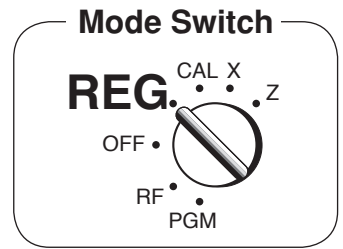
2-7-1 PLU registration

(Programming: See page 26)

Operation   **Printout**

1	PLU
	PLU
4	X DATE/TIME
2	PLU
1 0 0 0	= CA/AMT TEND

Example

PLU No.	1	2
Unit Price	$1.00	$2.00
Quantity	2	4
Depts.	1	1
Cash amount tendered	$10.00	
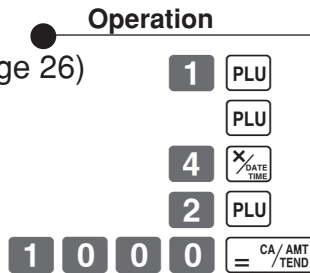
```
08-01-2010          17:00
REG                  0051

PLU0001            ·1.00
PLU0001            ·1.00 — Repeat
      4 X      @2.00 — Multiplication
PLU0002            ·8.00 — Preset Unit Price
TOTAL             ·10.00
CASH              ·10.00 — Cash Amount Tendered
CHANGE             ·0.00
```

Part-2

2-7-2 PLU Single-Item Sale

(Programming: See page 26)

Operation   **Printout**

| 1 | PLU |

```
08-01-2010          17:10
REG                  0052

PLU0001            ·1.00
CASH               ·1.00
```

Example

PLU No.	1
Status	Single item sale
Unit Price	$1.00
Quantity	1

- For this example, linked department 1 is programmed for a single-item-sale.
- Single-item sale cannot be finalized if an item is registered previously.

2-7-3 PLU report

Mode Switch

X — CAL / REG / Z / OFF / RF / PGM

Mode Switch

Z — CAL X / REG / OFF / RF / PGM
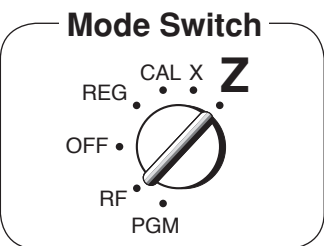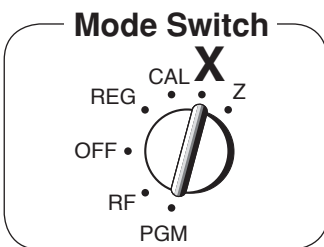
Operation   **Printout**

| 1 | = CA/AMT TEND |
(Read)

```
08-01-2010          17:20
Z                    0055

0001 PLU        Z 0001 — Reset Counter
PLU0001       QT     12 — PLU Name/No. of items
               ·12.00 — Amount
PLU0002       QT     27
               ·27.00
```

| 1 | = CA/AMT TEND |
(Reset)

```
PLU0500       QT
              ·180.00
-----------------------
TOTAL         QT   1284 — PLU total count
           ·10856.89 — PLU total amount
```

2-8 Other registrations

Mode Switch

REG. CAL X Z
OFF
RF
PGM
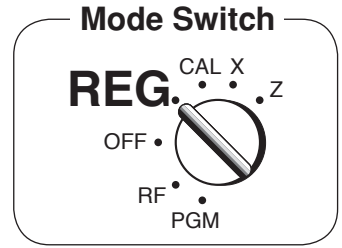
2-8-1 Reading the Time and Date

Operation	Display	
⊠DATE/TIME	*13-53*	Hour/Minute
⊠DATE/TIME	*08-01-10*	Day/Month/Year (Default : depends upon date order)
AC C	*0.00*	

• Flashes per second

Mode Switch

REG CAL X Z
OFF
RF
PGM

Adjusting the Time

Operation	Display

• Turn the Mode Switch to PGM.
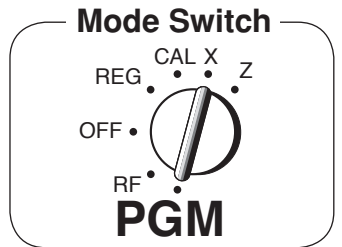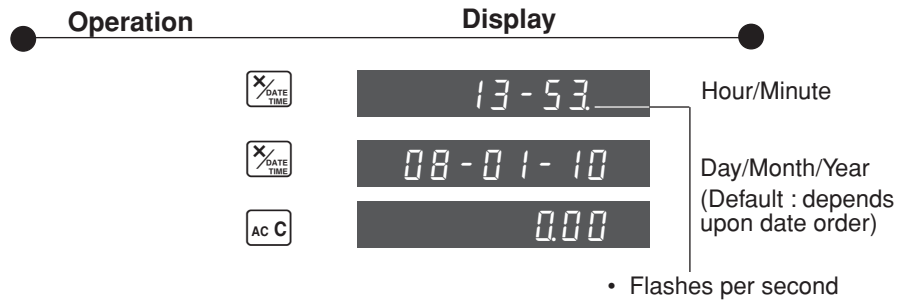
Example
Current time = 13:58

1 SUB TOTAL	*P 0.00*
1 3 5 8 ⊠DATE/TIME	*13-58 02*
Current Time: Hour Minute AC C	*P 0.00*

• Enter current time in 24 hour system.

Mode Switch

REG CAL X Z
OFF
RF
PGM

Adjusting the Date

Operation	Display

• Turn the Mode Switch to PGM.
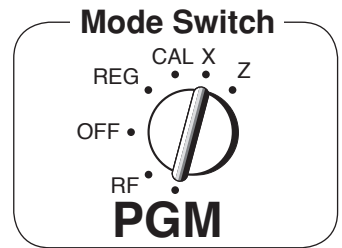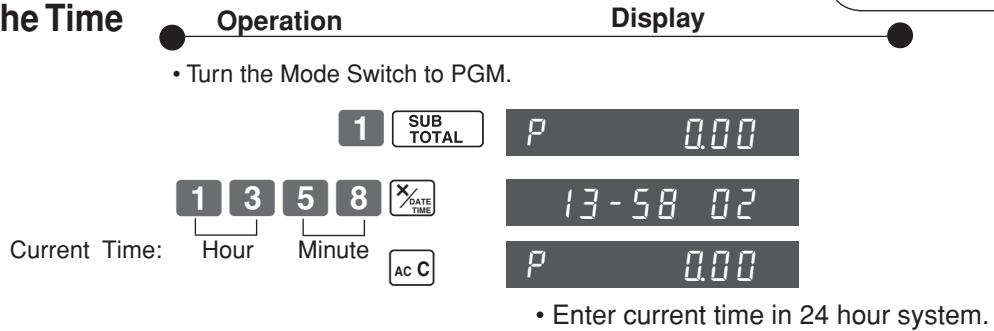
Example
Current date = 8, January 2010

1 SUB TOTAL	*P 0.00*
0 8 0 1 1 0 ⊠DATE/TIME	*08-01-10*
Current date: Day Month Year AC C	*P 0.00*

• Enter current date in 6 digits.
• Enter the last 2 digits for year set. (2010 → 10)
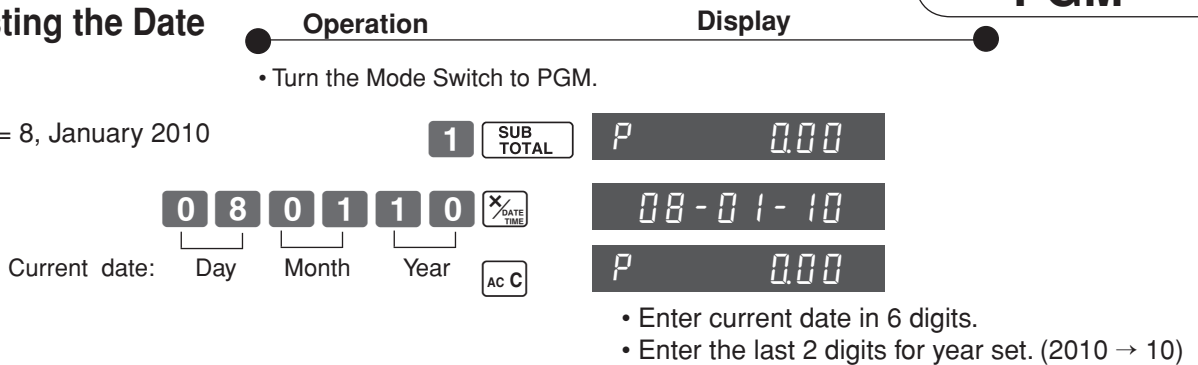
• If you have changed the date order (refer to page 12), enter date of that order.

Mode Switch

REG. CAL X Z
OFF
RF
PGM
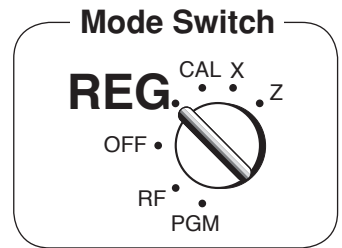
2-8-2 Paid out from cash in drawer

Operation

| 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | #/DEPT SHIFT |

Enter reference No.

| 1 | 0 | 0 | 0 | PD |

Printout

```
#              12345678 ── Reference Number

08-01-2010        17:20
REG                0057
PD               ·10.00 ── Paid Out Amount
```

2-8-3 Cash received on account

Operation

| 6 | 0 | 0 | RC/MR |

Printout

```
08-01-2010        17:25
REG                0058 ── Received On Account
                           Amount
RC                ·6.00
```

2-8-4 Registering identification numbers

Operation   **Printout**

A reference number or ID number of up to 8 digits can be registered prior to any transaction.

5	0	+1 6/11/16
1	2	3	4
5	6	7	8	#/DEPT SHIFT
= CA/AMT TEND

```
08-01-2010        17:35
REG                0059

DEPT01             ·0.50
#              12345678 ── Reference Number
CASH              ·0.50     or ID No.
```

2-8-5 Reduction on subtotal

Example:
Amount due reduced by $0.50.

Operation   **Printout**

| 1 | 0 | 0 | +1 6/11/16 |
| 2 | 0 | 0 | ÷4 9/14/19 |
| SUB TOTAL |
| 5 | 0 | %/ERR CORR |
| = CA/AMT TEND |

```
08-01-2010        17:45
REG                0060

DEPT01             ·1.00
DEPT04             ·2.00
-                 -0.50
CASH              ·2.50
```

2-8-6 Premium/ Discount

Operation   **Printout**

	Premium		Discount	
DEPT01	$1.00		DEPT01	$1.00
%+(2.5%)	$0.03	*1	%-(2.5%)	-0.03	*1
DEPT02	$2.00		DEPT02	$2.00
DEPT03	$3.00		DEPT03	$3.00
ST	$6.03	*2	ST	$5.97	*2
%+(7%)	·0.42	*3	%-(7%)	-0.42	*3
CA	$6.45		CA	$5.55

- •2.5% premium/discount (programmed to [%] key) applied to first item.

Operation keys:
1 0 0 [+1] 6/11/16
[%/CLK#]
2 0 0 [-2] 7/12/17
3 0 0 [×3] 8/13/18
[SUB TOTAL]
7 [%/CLK#]
[= CA/AMT TEND]

- •7% premium/discount applied to transaction total.
- •For programming the [%] key as percent minus or percent plus, see page 22.
- •For programming percent rate, see page 20.

*1 Premium/Discount Rate
   Premium/Discount Amount
*2 Subtotal
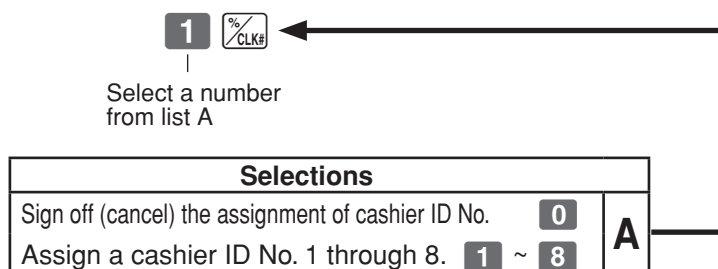*3 Premium/Discount Rate
   Premium/Discount Amount

2-9 Cashier Assignment

(Programming: See page 23)

Mode Switch
In any mode
REG, RF, CAL,
X or Z,
except PGM

Cashier assignment system is used to control each cashier (or clerk) sales total. When you select this function on page 23, you can get 8 cashiers (or clerk) sales data.
Cashier assignment must be performed prior to starting registration or any other operation, except Program mode.

1 [%/CLK#]

Select a number from list A

Selections	
Sign off (cancel) the assignment of cashier ID No.	0
Assign a cashier ID No. 1 through 8.	1 ~ 8

A

- •Currently assigned cashier (or clerk) ID number is printed on the receipt or journal for each transaction.
- •The assigned clerk memory number is automatically signed off when the mode key is set to OFF position.
- •The assigned cashier (or clerk) sales totals with ID number are printed on the receipt or journal when you perform daily X/Z sales report.

E

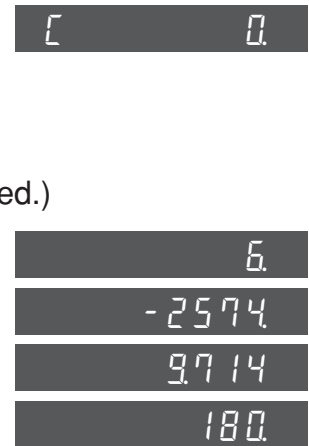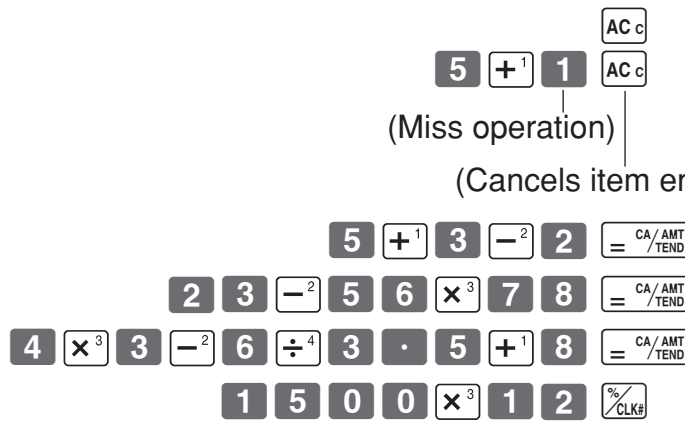# CALCULATOR FUNCTION

1. Calculator Mode

While registering at REG mode, you can switch to CAL mode and then return to REG mode to resume the registration.

Mode Switch

REG. CAL X Z / OFF / RF / PGM

Mode Switch

CAL X Z / REG / OFF / RF / PGM
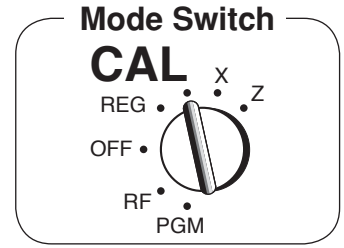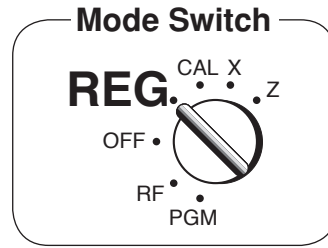
1-1 Calculation examples

Operation ··· **Display**

Operation	Display
5 +¹ 1 AC c	[0.
(Miss operation)	
(Cancels item entered.)	

5+3−2=

(23−56)×78=

(4×3−6)÷3.5+8=

12% on 1500

Operation	Display
5 +¹ 3 −² 2 = CA/AMT TEND	6.
2 3 −² 5 6 ×³ 7 8 = CA/AMT TEND	-2574.
4 ×³ 3 −² 6 ÷⁴ 3 · 5 +¹ 8 = CA/AMT TEND	9.714
1 5 0 0 ×³ 1 2 %/CLK#	180.

1-2 Memory recall

Recalls the current amount onto the display.
– during registration: current subtotal
– registration has been completed: the last amount

Operation ··· **Display**

On REG mode

1 0 00 +1 6/11/16 2 0 00 -2 7/12/17

On CAL mode

Example:
Divide the current subtotal $30.00 at REG mode by 3 (to divide the bill between 3 people).

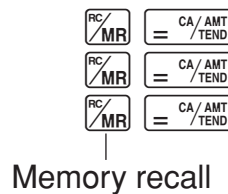| Operation	Display
RC/MR ÷⁴ 3 = CA/AMT TEND	10.

Memory recall

Recalls the current result by pressing RC/MR key at CAL mode on the display.

Operation ··· **Printout**

On REG mode

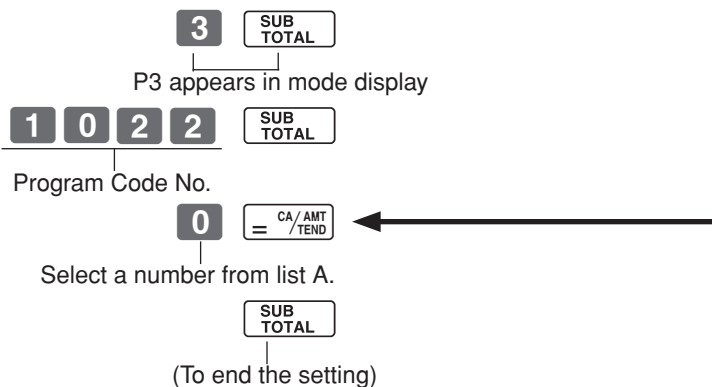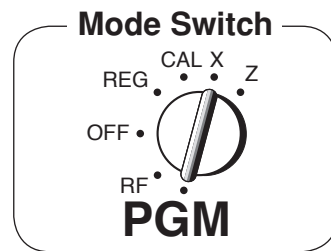| Operation	
RC/MR = CA/AMT TEND	
RC/MR = CA/AMT TEND	
RC/MR = CA/AMT TEND	

Memory recall

Example:
Recall the current result at CAL mode during registration, and register the cash amount due for each person.

```
DEPT01          ·10.00
DEPT02          ·10.00
TOTAL          ·30.00
CA              ·10.00
CA              ·10.00
CA              ·10.00
CG               ·0.00
```

1-3 Setting for calculator operation

Mode Switch

REG   CAL X   Z

OFF

RF

PGM

3 | SUB TOTAL |

P3 appears in mode display

1 **0** **2** **2** | SUB TOTAL |

Program Code No.

0 | = CA/AMT TEND |

Select a number from list A.

| SUB TOTAL |

(To end the setting)

			Selections
Open drawer whenever [= CA/AMT TEND] is pressed.*			
Open drawer whenever [CHK/NS] is pressed.*			
Print No. of Equal key operations on General Control X and Z reports.			
Yes	No	No	**0**
		Yes	**1**
	Yes	No	**2**
		Yes	**3**
No	No	No	**4**
		Yes	**5**
	Yes	No	**6**
		Yes	**7**

A

*Drawer does not open during registration procedures even if you press [= CA/AMT TEND] or [CHK/NS] by turning the mode switch to CAL position.

Part 4 USEFUL INFORMATION

1. Troubleshooting

1-1 If the following things happen

	Symptom/Problem	Most common causes	Solutions
1	**E01** appears on the display.	Changing modes without completing transaction.	Return mode switch to where it stops buzzing and press [= CA/AMT TEND].
2	**E08** appears on the display.	Sign on operation is not performed.	Prior to starting registration of any other operation, press [1] ~ [8] and then [% CLK#].
3	**E10** appears on the display.	Printer head (platen arm) is opened or no papaer roll.	Close the platen arm firmly or enter paper roll.
4	**E90** appears on the display.	Totals remain in the memory.	Issue the general control reset report, periodic reset report and PLU reset report.
5	**E81** appears on the display.	Electronic journal memory becomes/ is full.	Issue electronic journal reset report. (refer to page 18)
6	No date on receipt. Paper is not advancing enough.	Printer is programmed as a journal.	Program printer to print receipts.
7	Drawer opens up after ringing up only one time.	Department is programmed as a single item dept.	Program the dept. as a normal dept.
8	Not clearing totals at end of day after taking report.	Using X mode to take out reports.	Use Z mode to take out reports.
9	Programming is lost whenever register is unplugged or there is a power outage.	Bad or no batteries.	Put in new batteries.
10	Register is inoperative. Can't get money out of drawer.	No power.	Pull lever underneath register at rear.

1-2 In case of power failure

If the power supply to the cash register is cut by a power failure or any other reason, simply wait for power to be restored. The details of any ongoing transaction as well as all sales data in memory are protected by the memory backup batteries.

· Power failure during a registration
  The subtotal for items registered up to the power failure is retained in memory. You will be able to continue with the registration when power is restored.
· Power failure during printing a read/reset report
  The data already printed before fhe power failure is retained in memory. You will be able to issue a report when power is restored.
· Power failure during printing of a receipt and the journal
  Printing will resume after power is restored. A line that was being printed when the power failure occurred is printed in full.
· Other
  The power failure symbol is printed and any item that was being printed when the power failure occurred is reprinted in full.

1-3 When the L sign appears on the display

About the low battery indicator...

The following shows the low battery indicator.

```
L          0.00
```

If this indicator appears when you switch the cash register on, it can mean one of three things:
· No memory backup batteries are loaded in the cash register.
· The power of the batteries loaded in the unit is below a ceratain level.
· The batteries loaded in the unit are dead.
To clear this sign, press [AC C] key.

Important!

Whenever the low battery indicator appears on the display, load a set of 2 new batteries as soon as possible. If there is a power failure or you unplug the cash register when this indicator appears, you will lose all of your sales data and settings.

**BE SURE TO KEEP THE POWER CORD OF THE CASH REGISTER
PLUGGED IN WHENEVER YOU REPLACE THE BATTERIES.**

2. Specifications

INPUT METHOD

Entry: 10-key system; Buffer memory 8 keys (2-key roll over)
Display (LED): Amount 8 digits (zero suppression); Department/PLU No.; No. of repeats

PRINTER

Receipt: 12 digits (Amount 10 digits, Symbol 2 digits)
(or Journal)   Automatic paper roll winding (journal)
Paper roll: 58 mm × 80 mm ⌀ (Max.)

CALCULATIONS

Entry 8 digits; Registration 7 digits; Total 8 digits

CALCULATOR FUNCTION

8 digits; Arithmetic calculations; Percent calculations

Memory protection batteries:
The effective service life of the memory protection batteries 2 (UM-3, or R6P (SUM-3) type batteries) is approximately one year from installation into the machine.
Power source/Power consumption: See the rating plate.
Operating temperature: 0°C to 40°C (32°F to 104°F)
Humidity: 10 to 90%
Dimensions/Weight: 188 mm(H)× 330 mm(W)× 360 mm(D) with S drawer
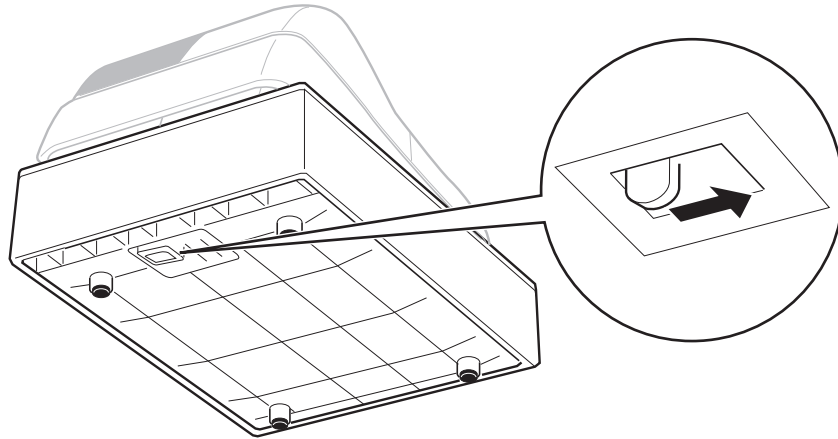   4 kg with S drawer
                              205 mm(H)× 410 mm(W)× 450 mm(D) with M drawer
                              8 kg with M drawer

Specifications and design are subject to change without notice.

When the cash drawer does not open!

In case of power failure or the machine is in malfunction, the cash drawer does not open automatically.
Even in these cases, you can open the cash drawer by pulling drawer release lever (see below).

Important!
The drawer will not open, if it is locked with a drawer lock key.

This mark applies in
EU countries only.

Please keep all information for future reference.

E

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