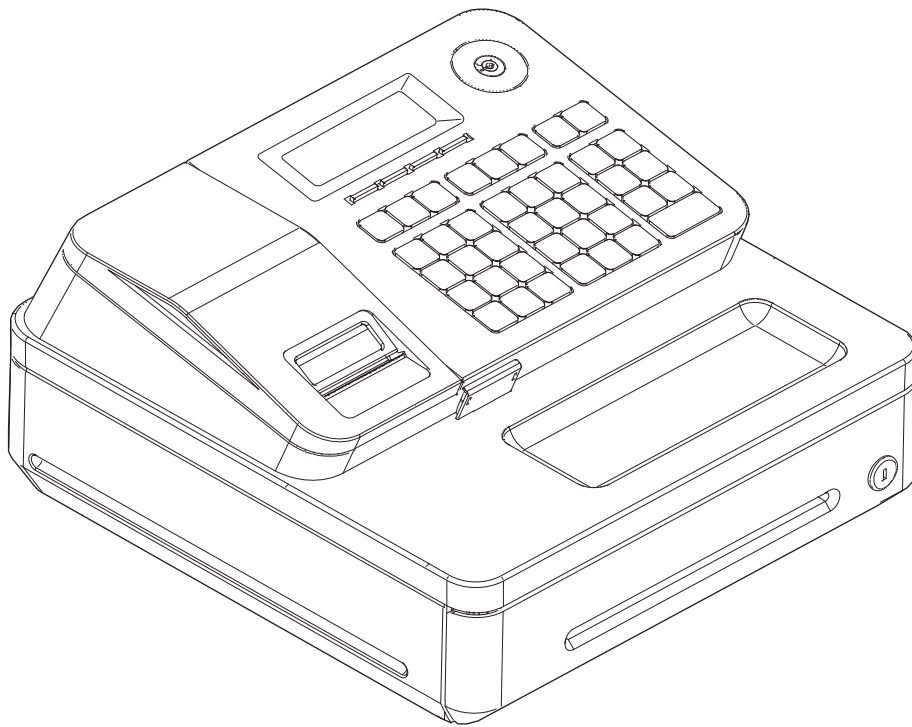


# **SE-S100**

## **Electronic Cash Register**



(S size drawer)

## **Introduction**

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

For the basic settings of your Cash Register, please see "Quick Start Guide".

### **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 (120 V, 220 V, 230 V, 240 V; 50/60 Hz). 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.





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# To use the Cash Register safely

- Congratulations upon your selection of this CASIO product. Be sure to read the following safety precautions before using it for the first time. After reading this guide, keep it close at hand for easy reference.
- Please pay due attention to the following symbols to help you use the product safely and properly and to avoid any personal injury or damage to the product.

 <b>Danger</b>	If this symbol is ignored and the product consequently misused, it can result in serious personal injury and/or death.
 <b>Warning</b>	If this symbol is ignored and the product consequently misused, it may result in serious personal injury and/or death.
 <b>Caution</b>	If this symbol is ignored and the product consequently misused, it may result in personal injury and/or property damage.

The figures in this manual have the following meanings.

	This symbol means be careful = a warning. The example at left is a warning about an electrical shock.
	This symbol indicates something you must not do = prohibited action. The example at left means never disassemble the product.
	This symbol indicates something you must do = an instruction. The example at left indicates you should unplug the product from the outlet. Please note that instructions that are difficult to express by a figure are indicated by  .

## **Danger**

**If liquid that leaked from a battery gets in your eye, on your skin or clothes, deal with it immediately as follows.**



1. Immediately rinse it off with lots of water.
  2. Immediately get medical treatment.
- Failing to act may result in a rash or loss of sight.

## **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.

## To use the Cash Register safely


### **Warning**

-  • 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.
-  • 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.

## To use the Cash Register safely

### Caution



- 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.

#### Only use the specified batteries.



- Do not disassemble, modify or short-circuit them.
- Do not put them in fire or water or heat them.
- Do not mix new and old batteries or different types of batteries.
- Orient the terminals +- correctly.
- Remove the batteries if the system will not be used for a long time.
- After batteries are spent, dispose of them as per local regulations.
- Do not try to recharge dry cell batteries.

#### Disposing of batteries:



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



- Be careful not to cut your finger by the paper cutter.



- The cover or the plastic case for the terminal may discolor or damaged when thinner, gasoline, kerosene, various solvent, grease, any cleaner including them, adhesive, paint, medical agent, cosmetics, etc., are adhered. Please be cautious.

# Precautions for Use

## Notice

- Any copying of the contents of this manual, either in part or its entirety without the permission of CASIO COMPUTER CO., LTD is prohibited under copyright laws.
- The contents of this manual and specifications of this unit are subject to change without notice.
- In case the terminal malfunctions or for any question about the contents of this manual, please contact your local CASIO service center or CASIO COMPUTER CO., LTD.
- To prevent losing all your settings and sales data, we strongly recommend that you install the memory protection batteries before you use the Cash Register and replace them at least once a year.



SD and SDHC Logos are trademarks of SD-3C,LLC.

### ■ 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**

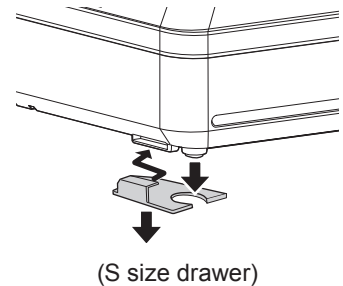
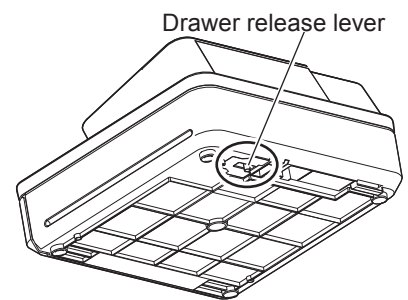
- The drawer will not open, if it is locked with a drawer lock key.

### ■ About drawer hook

Drawer hook prevents the Cash Register from falling caused by weight of coins.

Insert the drawer hook in the ditch of the drawer. Peel the release paper from the drawer hook and stick the drawer on the place where the register is installed.

As it may cause a malfunction of the drawer, please do not put coins and bills in the drawer excessively.



# Precautions for Use



Manufacturer: CASIO COMPUTER CO., LTD.  
6-2, Hon-machi 1-chome, Shibuya-ku, Tokyo 151-8543, Japan  
Responsible within the European Union: CASIO EUROPE GmbH  
CASIO-Platz 1, 22848 Norderstedt, Germany

Please keep all information for future reference.

The declaration of conformity may be consulted at <http://world.casio.com/>

Laite on liitettävä suojamaadoituskostkettimilla vaurstettuun pistorasiaan  
Apparatet må tilkoples jordat stikkontakt  
Apparaten skall anslutas till jordat nätuttag.

The main 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.

## WARNING

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.



This mark applies in EU countries only.

This product is also designed for IT power distribution system with phase-to-phase voltage 230 V.


## GUIDELINES LAID DOWN BY FCC RULES FOR USE OF THE UNIT IN THE U.S.A. (Not applicable to other areas)

**WARNING:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

**FCC WARNING:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



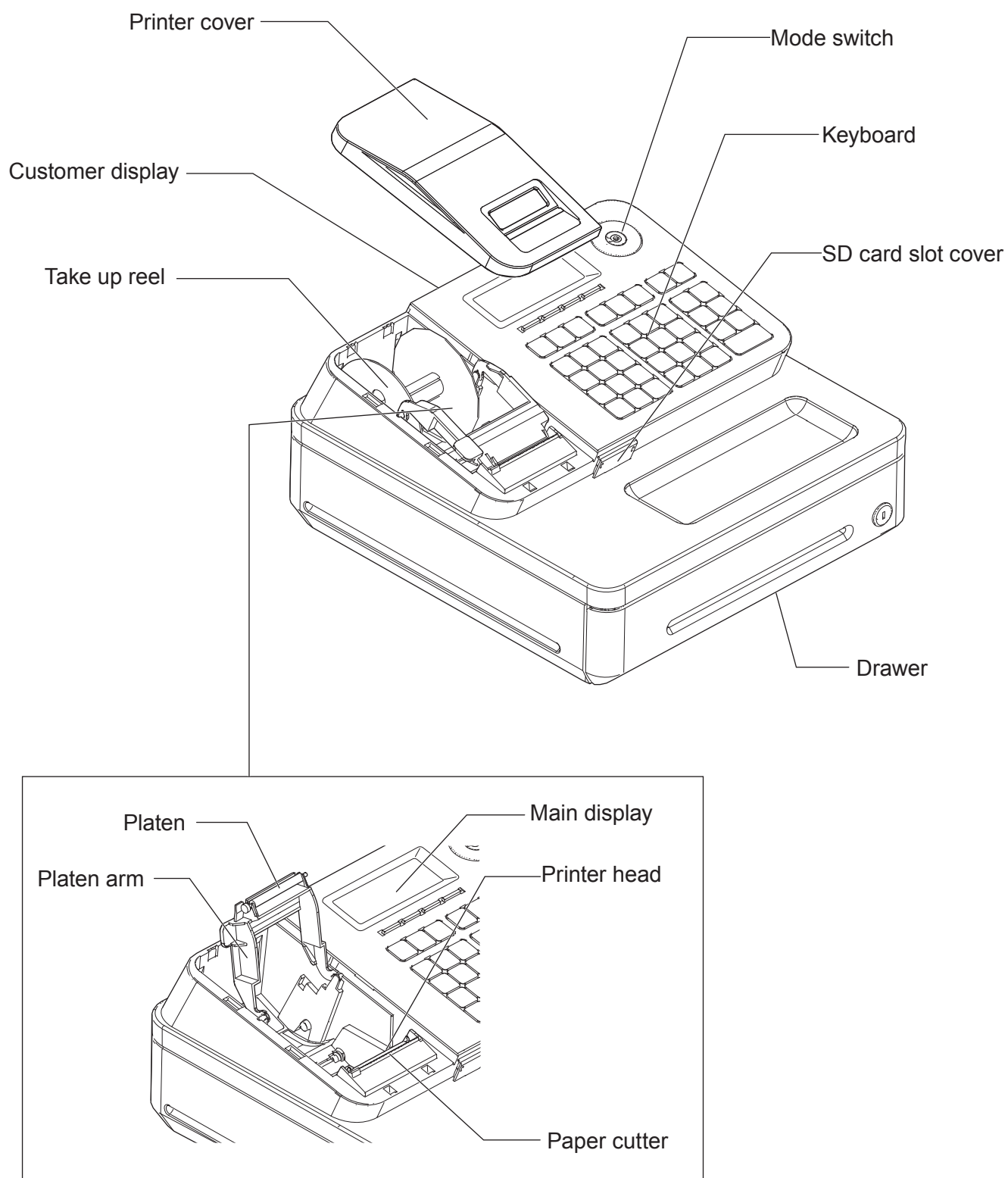
# To use the Cash Register's basic function

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# To use the Cash Register's basic function

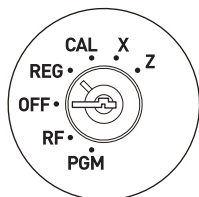
## Getting to know your Cash Register

### Name of Parts



# To use the Cash Register's basic function

## ■ Mode switch



Use the mode keys to change the position of the Mode switch and select the mode you want to use.

### **PGM (Program)**

This position is for setting your Cash Register to suit the needs of your store.

### **RF (Refund)**

Use this position for registering returned goods or correcting registered items.

### **OFF**

The Cash Register turns off in this position.

### **REG (Register)**

Use this position for regular registrations.

### **CAL (Calculation)**

Set to this position when you use the Cash Register as a calculator.

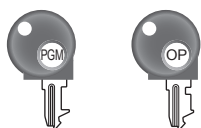
### **X (Read)**

Use this position for issuing daily sales totals report without clearing the data.

### **Z (Reset)**

This position is for issuing reports of daily totals with clearing the accumulated totals.

## ■ Mode keys



There are two types of mode keys. The program key marked "PGM" and the operator key marked "OP". The program key can set the Mode switch to any position, while the operator key can select only OFF, REG, and CAL positions.

	PGM	RF	OFF	REG	CAL	X	Z
OP key	-	-	○	○	○	-	-
PGM key	○	○	○	○	○	○	○

## ■ Drawer

The drawer opens automatically whenever you finalize a registration and whenever you issue a read or reset report. The drawer will not open if it is locked with the drawer key.

### ■ Drawer key

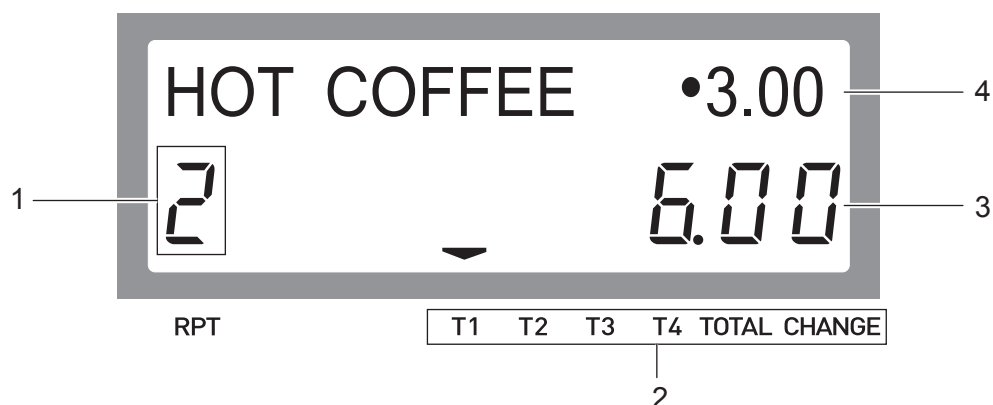
Use this key to lock and unlock the drawer.

### ■ Bill clip plate

Use this plate for tacking the notes received from customer.

# To use the Cash Register's basic function

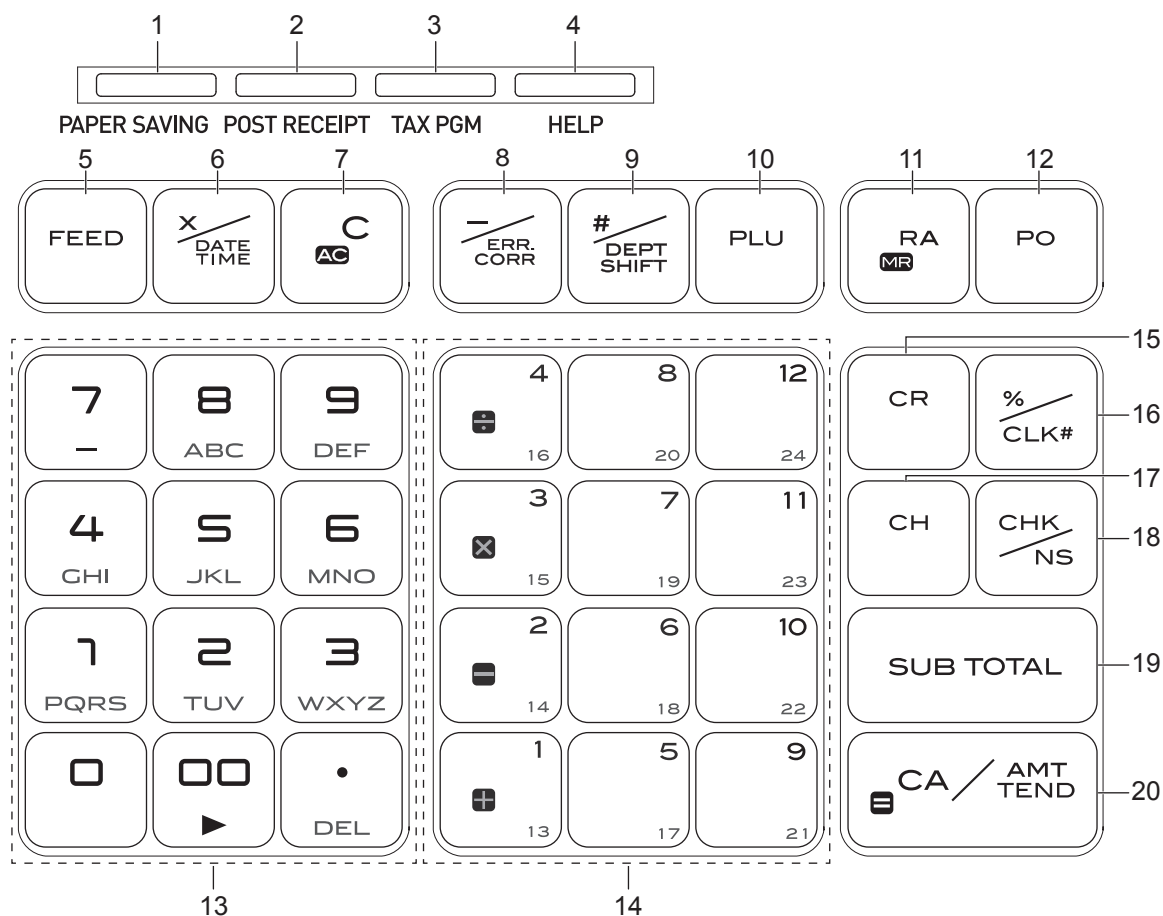
## Display



- |                         |  |
|-------------------------|--|
| 1 Repeat counter        | Indicates number of repetition for such case as multiple registration of a same item.            |
| 2 Transaction indicator | Indicates the status of the displayed amount such as tax status, total amount, or change amount. |
| 3 7-segment display     | Indicates amount.  |
| 4 Dot matrix display    | Indicates characters such as item names and prices.  |














# To use the Cash Register's basic function

## Keyboard



- 1 [PAPER SAVING] Use this key to stop issuing receipts or compressed journal printing to save paper.
- 2 [POST RECEIPT] When the Register is set to not to print receipts, pressing this key prints a receipt of the preceding transaction.
- 3 [TAX PGM] Use this key to set tax statuses and tax tables.
- 4 [HELP] Use this key to print operation guidance.
- 5 Use this key to feed the paper.
- 6 Use this key to show present date and time. Also this key is used for multiplications.
- 7 Use this key to clear an entry that has not yet been registered.
- 8 Use this key to correct immediately preceding registration. Also this key is used for reducing price.
- 9 Department shift key. Using this key with departments 1 to 12 keys, items are registered in departments 13 to 24. Also this key prints preceding number entry without any registration.
- 10 Price look up key. Use this key to register preset items by number.
- 11 Use this key following a numeric entry to register money received by non-sale transactions.

## To use the Cash Register's basic function

- |    |  |  |
|----|--|--|
| 12 |   | Use this key following a numeric entry to register money paid out from the drawer. |
| 13 |  to    | Ten-key. Use these keys for numeral entries.                                       |
| 14 |  to    | Department keys. Use these keys to register items to the corresponding department. |
| 15 |   | Use this key for credit card payments.   |
| 16 |   | Use this key for discounts. Also this key is used to sign a clerk on or off.       |
| 17 |   | Use this key to register charge sales.   |
| 18 |   | Use this key for check payments. Also this key is used for opening drawer.         |
| 19 |   | Use this key to display and print the current subtotal amount.                     |
| 20 |   | Use this key to register cash sales.   |

## Getting started

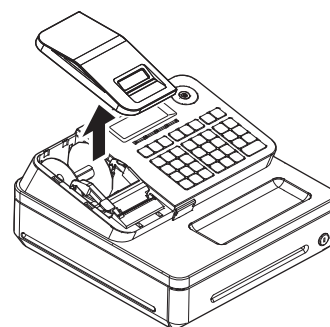
This chapter explains how to set up the Cash Register and get it ready to operate.

### To install memory protection batteries

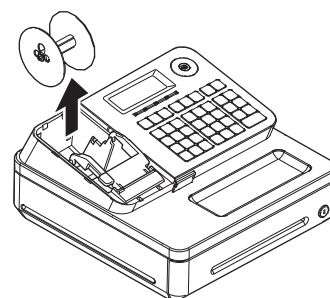
#### Important

- These batteries protect information stored in your Cash Register's memory when there is a power failure or when you unplug the Cash Register. Be sure to install these batteries first.

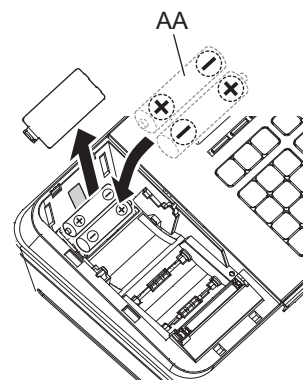
**1** Remove the printer cover by lifting it up.



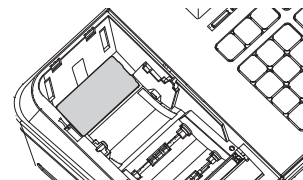
**2** Remove the take up reel.



**3** Remove the battery compartment cover and install two new "AA" type manganese batteries in the battery compartment over battery extraction ribbon.



**4** Replace the battery compartment cover. Please make sure that the battery compartment cover is fastened securely with a click sound.



# To use the Cash Register's basic function

## Important

---

- Be sure that the plus (+) and minus (-) ends of the batteries are facing in the directions as indicated on the battery compartment.
- The Cash Register will show "LOW BATTERY" on the display when the batteries are running low on power. Install two new batteries when this occurs.

## Warning

---

- Never try to recharge the batteries.
- Do not expose batteries to direct heat, let them become shorted or try to take them apart.
- Keep batteries out of the reach of small children. If your child should swallow a battery, consult a physician immediately.
- There is a risk of explosion if the batteries are replaced with improper type.
- Dispose used batteries according to the local rule.

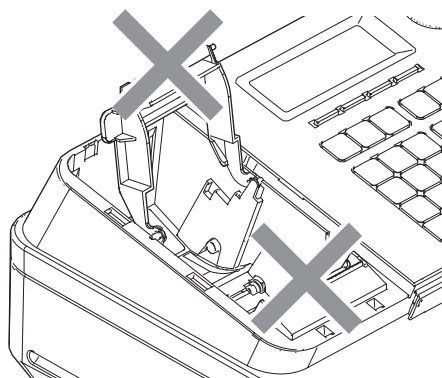
## To set a paper roll

This Cash Register is fitted with a thermal printer - only 58 mm wide thermal paper rolls can be used.

### Caution (in handling the thermal paper)

---

- Never touch the printer head and the platen as they become hot.
- Be careful not to cut your finger with the paper cutter.



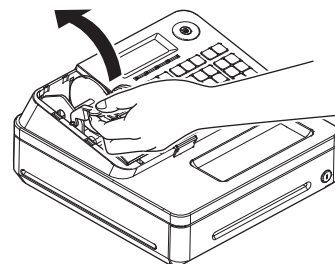
- Unpack the thermal paper just before your use.
- Avoid heat and direct sunlight.
- Avoid dusty and humid places for storage.
- Do not scratch the paper.
- Do not keep the printed paper under the following circumstances.

High humidity and temperature/direct sunlight/contact with glue, thinner or a rubber eraser.

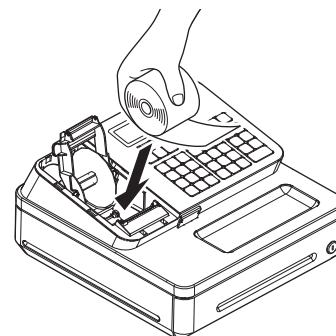


# To use the Cash Register's basic function

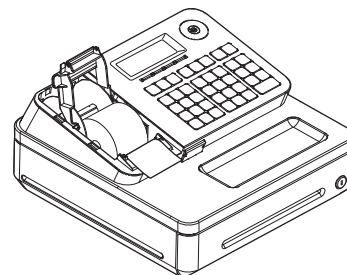
**1** Open the platen arm by lifting it up slowly.



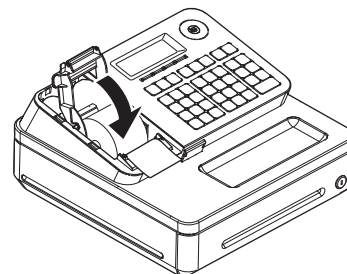
**2** Hold the paper roll so that the end of the paper comes out from the bottom of the roll and place it behind the printer.



**3** Place the end of the paper over the printer.



**4** Close the platen arm slowly until it locks securely.



## Important

- If the thermal paper roll is not properly installed, you will not be able to use the Cash Register. The display shows "E014 Paper end" to indicate that the paper is not inserted.
- If the display shows "E010 Close the platen arm", close the platen arm securely.






# To use the Cash Register's basic function

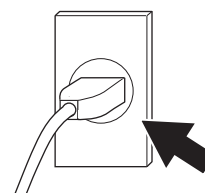
## To set the language, country, date, time, and tax rates

### Important

- In accordance with the country, the setup procedures differ. Please perform the setup operation by the following order according to your country.
- Please follow the guidance printed out from the printer in each step.
- In each setting of date, time and tax rates, the Cash Register prints your settings. Make sure that the settings are correct. If you have made an incorrect setting, press **y** and repeat from the beginning. For other incorrect settings, pull out the AC cord, take out batteries, and start from the beginning.
- See the undermentioned operation instructions for A, B, C.....F.

Country	Operation order
Arab countries, Vietnam, Other countries	Choose language. <b>(A)</b> → Set date and time. <b>(B)</b> → Set tax rates. <b>(D)</b>
Malaysia, Singapore	Choose language. <b>(A)</b> → Set date and time. <b>(B)</b> → Choose country. <b>(C)</b> → Select whether to use country-specific tax system or not. <b>(E)</b> → If not use, set tax rates manually. <b>(D)</b> → Select whether to use country-specific rounding system or not. <b>(F)</b>
Australia	Choose language. <b>(A)</b> → Set date and time. <b>(B)</b> → Choose country. <b>(C)</b> → Select whether to use country-specific tax system or not. <b>(E)</b> → If not use, set tax rates manually. <b>(D)</b>
New Zealand, South Africa	Choose language. <b>(A)</b> → Set date and time. <b>(B)</b> → Choose country. <b>(C)</b> → Set tax rates. <b>(D)</b> → Select whether to use country-specific rounding system or not. <b>(F)</b>

**A** As soon as you plug in the power cord, the printer prints instructions for selecting the language. Input the language number and press  key. For example, if you wish to select English, press   keys. For selecting French, press   keys etc.



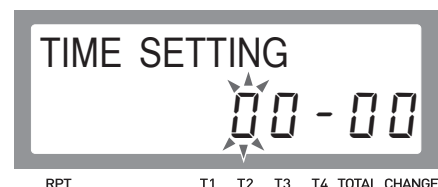
```
PLEASE CH00SE THE
LANGUAGE.
  ENGLISH   :0<CA>
  FRANÇAIS  :1<CA>
  ESPAÑOL   :2<CA>
  ARABIC    :3<CA>
  VIETNAMESE:4<CA>
```

```
START RETURNING WITH
<C> WHEN CHANGE THE
LANGUAGE BY MISTAKE.
```

```
-----
LANGUAGE:ENGLISH
-----
```




# To use the Cash Register's basic function


**B** The Cash Register prints the instructions for setting date and time and the top digit of the display flashes. Enter the date in order of day, month, and year. For example, input 210115 for January 21, 2015. After then, display changes for setting time. Enter the present hours and minutes in 24 - hour system. For example, input 1300 for 1:00 pm..




**C** By referring the country list printed out from the printer, input the country code and press  key. For example, if the Cash Register is used in Australia, press **2** and  keys.

PLEASE SELECT COUNTRY	
MALAYSIA	:1<CA>
AUSTRALIA	:2<CA>
SINGAPORE	:3<CA>
NEW ZEALAND	:4<CA>
SOUTH AFRICA	:5<CA>
OTHER COUNTRY	:0<CA>

**D** The printer prints "PLEASE INPUT TAX RATE". Input tax rate 1 and press . For example, press **7** and  keys for 7% tax rate 1. Perform the same operation for tax 2, 3, and 4 rates. As you will set these tax rates to departments later on (page 35), please do not forget the rates. If you wish to exit from the tax rates settings, press  key.

**E** By the printer output, the Cash Register asks if you wish to use the country-specific tax system of your country. The example on the right is for Australian GST (Goods and Services Tax) . Input **1** (using the country-specific tax system) or **0** (not using the tax system) and press  key.

DO YOU USE AUSTRALIAN GST ?	
USE	:1<CA>
NOT USE	:0<CA>

**F** The Cash Register asks if you use the rounding (treatment of fractions) system of your country. Input **1** (using the rounding system of your country) or **0** (not using the rounding system) and press  key.

## Further operations:

- To set tax table (page 68)

# To use the Cash Register's basic function

## Daily job flow

### Before opening your store

---



- Plugged in? (page 18)
- Enough paper roll? (pages 16 and 17)
- Date and time are correct? (page 21)
- Prepared enough bills and coins for changes? (page 22)



### While the store is open

---



- Registrations (page 23)
- Issuing latest total sales report if needed (page 42)



### After closing the store

---



- Issuing day's total sales report (page 42)
- Withdraw the money from the drawer.  
After you withdraw all the money from the drawer, we recommend that you leave the drawer open when you leave your store.
- Turn the Mode switch to OFF.



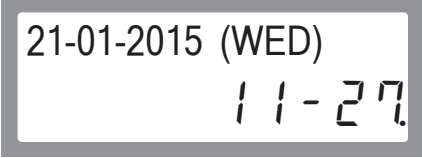


# To use the Cash Register's basic function

## Before opening your store

### Checking the time and date

You can check the time or date on the display whenever there is no registration being made.

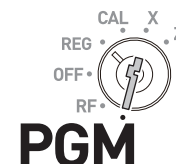










Step	Operation	Display
1 Press  key to show the date and time on the display.		
2 Press  key to clear the date/time display.		

RPT T1 T2 T3 T4 TOTAL CHANGE

### Setting date and time


To change date and time, perform the following operations.




Step	Operation
1 Turn the Mode switch to PGM position.	
2 Input the date and time from ten key pad and press  key in order of DDMMYY. The example on the right is for January 21, 2015.	
3 Press  key.	
4 Input the present time in 24-hour system. For example, 1300 for 1:00 PM. After then press  key.	
5 Press  key.	








# To use the Cash Register's basic function

## Preparing bills and coins for change

Use  key to open the drawer and store prepared bills and coins for changes in the drawer.



**NOTE** You can also use  key to open the drawer however, the amount of prepared money for change is not stored in the Cash Register's memory, and cash amount in drawer is miscalculated on the sales reports.

Step	Operation	Printout
<b>1</b> Input the amount prepared for changes and press  key. The example on the right is for preparing •350.50.	     	<div><p>YOUR RECEIPT THANK YOU CALL AGAIN</p><p>21-01-2015                      09:30 REG                                      000002</p><p>RA                                      •350.50</p></div>
<b>2</b> Put the money prepared for changes in the drawer and close the drawer.		

# To use the Cash Register's basic function

## Registering items

The following examples show how you can use the department keys in various types of registrations. Departments are used for categorizing items. For example, department 01 for vegetables, department 02 for fruits, and department 03 for canned foods etc.



### Simple registration

#### ■ Paying the exact amount

##### Sample Operation

Item	Unit Price	•1.00	One Dept. 01 item priced •1.00 is sold, and the customer paid the exact amount in cash.
	Quantity	1	
	Dept.	01	
Payment	Cash	•1.00	

Step	Operation	Printout
1 Enter the unit price.	<b>1 00</b>	<div>YOUR RECEIPT THANK YOU CALL AGAIN  21-01-2015 09:45 REG 000004  DEPT01 • 1.00 CASH - 1.00</div>
2 Press corresponding Dept. key. In this example, Dept. 01.	<b>+ 1</b>	
3 Press <b>= CA / AMT / TEND</b> key.	<b>= CA / AMT / TEND</b>	

**NOTE** Printout samples in this manual are for VAT (inclusive tax system). Depending on the country you have set, taxable statuses and tax amounts will be printed on receipts.

#### Further operations:

- To preset prices to departments (page 36)
- To preset item names to departments (pages 37 and 49)
- To register single item by single operation (pages 58 and 59)
- To preset tax statuses to departments (page 35)

# To use the Cash Register's basic function

## ■ Registration with change calculation

### Sample Operation

Item	Unit Price	•12.34	One item priced at •12.34 is sold and the customer paid more than the total amount (•20.00).
	Quantity	1	
	Dept.	01	
Payment	Cash	•20.00	

Step	Operation	Printout and Display
<b>1</b> Enter the unit price.	<b>1 2 3 4</b>	<div>YOUR RECEIPT THANK YOU CALL AGAIN</div> <div>21-01-2015 09:50 REG 000005</div> <div>DEPT01 • 12.34 TOTAL - 12.34 CASH • 20.00 CHANGE • 7.66</div>
<b>2</b> Press corresponding department key.	<b>+ 1</b>	
<b>3</b> Press <b>SUB TOTAL</b> key. The total amount of the item is shown on the display.	<b>SUB TOTAL</b>	
<b>4</b> Enter the tendered amount then press <b>= CA / AMT TEND</b> key. The display shows the amount of change.	<b>2 0 00 = CA / AMT TEND</b>	<div>CHANGE 7.66</div> <div>RPT T1 T2 T3 T4 TOTAL CHANGE</div>









# To use the Cash Register's basic function

## To register multiple items of the same price



### ■ Registering multiple items of the same price

#### Sample Operation


Item 1	Unit Price	•1.50	Three items of Dept. 01 priced at •1.50 and a dozen of •1.00 items of the same Dept. are sold, and the customer paid •20.00 in cash.
	Quantity	3	
	Dept.	01	
Item 2	Unit Price	•1.00	
	Quantity	12	
	Dept.	01	
Payment	Cash	•20.00	





Step	Operation	Printout
1 Enter the unit price of item 1.	<b>1 5 0</b>	<div> 21-01-2015 10:20  REG 000007   DEPT01 • 1.50  DEPT01 • 1.50  DEPT01 • 1.50  12 X @1.00  DEPT01 • 12.00  TOTAL - 16.50  CASH • 20.00  CHANGE • 3.50 </div>
2 Press corresponding department key repeatedly for the purchased quantity.	<b>+ 1 + 1 + 1</b>	
3 Enter the quantity then press  key.	<b>1 2</b> 	
4 Enter the unit price and press corresponding Dept. key.	<b>1 00 + 1</b>	
5 Press  key. Display shows the total amount.		
6 Enter the tendered amount then press  key. The display shows the amount of change.	<b>2 0 00</b> 	

### ■ Department shift

Using  key, you can register items in Dept. 13 through 24. To register items in Dept. 13 through 24, operate  key and <unit price> then Dept. key (**+ 1** for Dept. 13 through **12** for Dept. 24).

#### Sample Operation

Item	Unit Price	•1.00	Registering one piece of •1.00 item of Dept. 20. Dept. 20 is assigned by  and <b>8</b> keys.
	Quantity	1	
	Dept.	20	
Payment	Cash	•1.00	

Step	Operation	Printout
1 Press  key then enter the unit price.	 <b>1 00</b>	<div> 21-01-2015 10:50  REG 000011   DEPT20 • 1.00  CASH - 1.00 </div>
2 Press <b>8</b> key. •1.00 item is registered in Dept.20.	<b>8</b>	
3 Press  key to finalize the transaction.		

# To use the Cash Register's basic function







## Various payments

Instead of , you can use ,  or  keys for charge, credit card or check payments.

### ■ Other payments than cash

#### Sample Operation

Item	Unit Price	•10.00	One Dept. 01 item priced •10.00 is sold and the customer paid by check.
	Quantity	1	
	Dept.	01	
Payment	Check	•10.00	

Step	Operation	Printout
<b>1</b> Enter the unit price.	  	<div> 21-01-2015 11:10  REG 000012   DEPT01 • 10.00  CHECK - 10.00 </div>
<b>2</b> Press corresponding Dept. key.		
<b>3</b> Press  key.		













**NOTE** Instead of  key, use  or  keys for charge or credit card payments.

### ■ Split payment

You can register mixed payment of cash, charge, check, and credit card.

#### Sample Operation

Item	Unit Price	•25.50	One Dept. 01 item priced •25.50 is sold, and the customer paid •10.00 in cash and the rest (•15.50) by credit card.
	Quantity	1	
	Dept.	01	
Payment	Cash	•10.00	
	Card	•15.50	

Step	Operation	Printout
<b>1</b> Enter the unit price.	   	<div> 21-01-2015 13:30  REG 000013   DEPT01 • 25.50  TOTAL - 25.50  CASH • 10.00  CREDIT • 15.50 </div>
<b>2</b> Press corresponding Dept. key.		
<b>3</b> Input cash amount and press  key. The display shows the balance.	   	
<b>4</b> Press  key. The balance is registered as credit card payment.		





# To use the Cash Register's basic function

## Discount

### ■ Discount on items

#### Sample Operation

Item 1	•10.00 (5% discount)	1 piece	Dept. 01	Five percent discount is given to a •10.00 item.
Item 2	•20.00 (no discount)	1 piece	Dept. 02	
Payment	•30.00 in cash			

Step	Operation	Printout
<b>1</b> Enter the unit price of item 1, and press corresponding Dept. key.	<b>1</b> <b>0</b> <b>00</b> <b>+ 1</b>	<div> 21-01-2015 15:25  REG 000021   DEPT01 · 10.00  5%  %- -0.50  DEPT02 · 20.00  TOTAL - 29.50  CASH · 30.00  CHANGE · 0.50 </div>
<b>2</b> Input the discount rate from ten key pad, and press  key. The discounted amount of the item is shown on the display.	<b>5</b> 	
<b>3</b> Register item 2.	<b>2</b> <b>0</b> <b>00</b> <b>- 2</b>	
<b>4</b> Enter the tendered amount then press  key.	<b>3</b> <b>0</b> <b>00</b> 	







#### Further operation:

- To preset discount rate (page 34)

### ■ Discount on total amount

#### Sample Operation

Item 1	•10.00	1 piece	Dept. 01	•10.00 and •20.00 items are sold, and 5% discount is given on the total amount.
Item 2	•20.00	1 piece	Dept. 02	
Total	•30.00 (5% discount)			
Payment	•30.00 in cash			







Step	Operation	Printout
<b>1</b> Register item 1.	<b>1</b> <b>0</b> <b>00</b> <b>+ 1</b>	<div> 21-01-2015 16:10  REG 000023   DEPT01 · 10.00  DEPT02 · 20.00  ST · 30.00  5%  %- -1.50  TOTAL - 28.50  CASH · 30.00  CHANGE · 1.50 </div>
<b>2</b> Register item 2.	<b>2</b> <b>0</b> <b>00</b> <b>- 2</b>	
<b>3</b> Press  key.		
<b>4</b> Input the percent rate from ten key pad, and press  key. The discounted total amount is shown on the display.	<b>5</b> 	
<b>5</b> Enter the tendered amount then press  key.	<b>3</b> <b>0</b> <b>00</b> 	

# To use the Cash Register's basic function

## Price reduction

### Sample Operation

Item 1	•10.00 (reduce •0.05)	1 piece	Dept. 01	Reducing •0.05 from item 1 unit price.
Item 2	•20.00 (no reduction)	1 piece	Dept. 02	
Payment	•30.00 in cash			

Step	Operation	Printout
<b>1</b> Register item 1.	<b>1</b> <b>0</b> <b>00</b> <b>+ 1</b>	<div> 21-01-2015 16:20  REG 000025   DEPT01 · 10.00  - -0.05  DEPT02 · 20.00  TOTAL - <b>29.95</b>  CASH · 30.00  CHANGE · 0.05 </div>
<b>2</b> Input reduction price (•0.05 in this case) and press  key.	<b>5</b> 	
<b>3</b> Register item 2.	<b>2</b> <b>0</b> <b>00</b> <b>- 2</b>	
<b>4</b> Press  key.		
<b>5</b> Enter the tendered amount then press  key.	<b>3</b> <b>0</b> <b>00</b> <b>=</b> 	

# To use the Cash Register's basic function

## Refund

When a customer returned a goods for refund, use this feature. You can also use this feature for deposited bottle return.



### Sample Operation

Returned Item 1	•10.00	1 piece	Dept. 01	A customer returned one •10.00 item (Dept. 01) and five bottles (Dept. 12) for refund.
Returned bottle	•0.10	5 piece	Dept. 12	

Step	Operation	Printout
<b>1</b> Turn the Mode switch to RF position.		<div>21-01-2015 18:40</div> <div>RF 000003</div> <div>DEPT01 •10.00</div> <div>5 X @0.10</div> <div>DEPT12 •0.50</div> <div>CASH - 10.50</div>
<b>2</b> Enter the price of the returned goods and press corresponding Dept. key.	<b>1</b> <b>0</b> <b>00</b> <b>+ 1</b>	
<b>3</b> Register the second item.	<b>5</b> <b>X/DATE TIME</b> <b>1</b> <b>0</b> <b>12</b>	
<b>4</b> Press <b>SUB TOTAL</b> key. The amount of the refund will be shown on the display.	<b>SUB TOTAL</b>	
<b>5</b> Press <b>= CA/AMT /TEND</b> key.	<b>= CA/AMT /TEND</b>	

# To use the Cash Register's basic function













## To print reference numbers

As a memorandum, you can print a reference number on the receipt. You can use this feature in REG or RF modes.



### Sample Operation

Reference number	12345			Printing "12345" as a note on the receipt.
Item 1	•25.00	1 piece	Dept. 02	

Step	Operation	Printout
1 Input a reference number from ten key pad, and press  key.	     	<div style="border: 1px solid black; padding: 10px;"> <p># 12345</p> <p><b>YOUR RECEIPT</b></p> <p><b>THANK YOU</b></p> <p><b>CALL AGAIN</b></p>   <p>21-01-2015 10:35</p> <p>REG 000009</p>   <p>DEPT02 •25.00</p> <p>CASH - 25.00</p> </div>
2 Register item 1.	   	
3 Finalize the transaction.		

# To use the Cash Register's basic function

## Corrections

### To correct erroneous item input before registration

When you made incorrect input before you register it in a department, you can correct it by using **AC C** key.



### Sample Operation

Item	Unit Price	•1.00	By mistake, you have entered •4.00 instead of •1.00 for a Dept. 01 item.
	Quantity	1	
	Dept.	01	
Payment	Cash	•1.00	

Step	Operation	Printout
<b>1</b> By mistake, you have entered •4.00 for •1.00 item.	<b>4 00</b>	<div> <p>YOUR RECEIPT THANK YOU CALL AGAIN</p> <p>21-01-2015 09:45 REG 000004</p> <p>DEPT01 • 1.00 CASH - 1.00</p> </div>
<b>2</b> Press <b>AC C</b> key to cancel the wrong entry.	<b>AC C</b>	
<b>3</b> Input the correct unit price. Press Dept. key.	<b>1 00 + 1</b>	
<b>4</b> Finalize the transaction.	<b>= CA / AMT / TEND</b>	

Erroneous input is not printed on the receipt.










# To use the Cash Register's basic function

## To correct erroneous item input immediately after registration

If an item has been already registered in a Dept., use  key to cancel the registration. This correction is effective just after a registration.

### Sample Operation

Item	Unit Price	•2.50	By mistake, you have pressed a Dept. key twice for one item.
	Quantity	1	
	Dept.	03	
Payment	Cash	•2.50	

Step	Operation	Printout
<b>1</b> Entering a unit price.	  	<div>21-01-2015 18:20 REG 000028  DEPT03 ·2.50 DEPT03 ·2.50 ERR CORR -2.50 CASH - 2.50</div>
<b>2</b> By mistake, you have hit a Dept. key twice.	 	
<b>3</b> Press  key to cancel the preceding registration (the last  key).		
<b>4</b> Finalize the transaction.		



# To use the Cash Register's basic function

## Basic setups and operations



### About HELP guidance

In any Mode switch position, pressing  key prints a guide menu shown below.

ENTER NUMBER THEN  
PRESS <HELP> KEY.

01:HOW TO PROGRAM  
DATE AND TIME ?  
02:HOW TO PROGRAM  
TAX TABLE ?  
03:HOW TO REPLACE  
PAPER ROLL ?  
04:HOW TO TAKE REPORTS ?  
05:WHAT IS THE  
ELECTRONIC JOURNAL ?  
06:HOW TO CHANGE PRINTER  
MODE ?  
07:WHEN AN ERROR OCCURS  
08:IN THE CASE OF  
POWER FAILURE  
09:WHEN THE  
"LOW BATTERY" SIGN  
APPEARS ON THE

POWER FAILURE  
09:WHEN THE  
"LOW BATTERY" SIGN  
APPEARS ON THE  
DISPLAY  
(ABOUT THE LOW-BATTERY  
INDICATOR)  
10:HOW TO SET DEPT/PLU  
NAME ?  
11:HOW TO PROGRAM  
CHARACTER FOR  
CLERK'S NAME /  
RECEIPT MESSAGE ?  
12:HOW TO FORMAT  
SD CARD.  
13:HOW TO BACK UP ECR  
SETTING IN SD CARD.  
14:HOW TO RESTORE ECR  
SETTING FROM SD CARD.  
15:HOW TO SAVE SALES  
DATA AND EJ DATA  
TO SD CARD.  
16:HOW TO SET  
GRAPHIC LOGO.

Enter the guidance number and press  key. The printer prints the guidance what to be done. For example, enter **0 2** and press  key to print the guidance for programming tax table.

# To use the Cash Register's basic function

## To preset discount rate to key







Presetting discount rate makes discount calculations quick and easy.

### ■Presetting discount rate



#### Sample Operation

Discount rate	10.5%	Presetting 10.5% to  key.
---------------	-------	---







Step	Operation	Printout
1 Turn the Mode switch to PGM position and press <b>1</b> and  keys. Now, the Cash Register is in the setup mode.	<b>1</b> 	21-01-2015 14:30 P01 000013 %- 10.5%
2 Enter the discount rate. You can set 2-digit integer and 2-digit decimal.	<b>1</b> <b>0</b> <b>.</b> <b>5</b>	
3 Press  key.		
4 Press  key to complete the setting.		

### ■Registering an item with preset discount rate



#### Sample Operation

Item 1	•10.00 (preset 10.5% discount)	1 piece	Dept. 01	Discounting 10.5% (preset) on item 1.
Item 2	•20.00 (no discount)	1 piece	Dept. 02	
Payment	•30.00 in cash			

Step	Operation	Printout
1 Turn the Mode switch to REG position. Enter the unit price of item 1, and press corresponding Dept. key.	<b>1</b> <b>0</b> <b>00</b> <b>+</b> <b>1</b>	21-01-2015 18:30 REG 000030
2 Press  key. The item 1 is registered with preset discount rate.		DEPT01 • 10.00 10.5%
3 Register item 2.	<b>2</b> <b>0</b> <b>00</b> <b>-</b> <b>2</b>	%- -1.05 DEPT02 • 20.00
4 Press  key.		TOTAL - 28.95 CASH • 30.00 CHANGE • 1.05
5 Enter the tendered amount then press  key.	<b>3</b> <b>0</b> <b>00</b> <b>=</b> 	

**NOTE** If you press  after  key, discount is given to the total amount with preset rate.

# To use the Cash Register's basic function

## To preset taxable statuses to departments

By presetting taxable statuses to departments, the Cash Register performs tax calculations with the rate you have set on pages 18 and 19 "To set the language, country, date, time, and tax rates".



**NOTE** Depending on the country you have selected, the tax statuses you set to the departments are for inclusive tax (add-in tax). Tax amount is not printed on receipts but you can see it on X or Z reports. To set tax exclusive (add-on tax) status, see page 68.

## ■ Presetting taxable statuses to departments

### Sample Operation

Tax status	Dept. 05	Tax status 2 (8%)	Presetting tax status 2 (8%) to Dept. 05 and tax status 3 (10%) to Dept. 06. Eight and ten percent tax rates have been set in "To set the language, country, date, time, and tax rates" on pages 18 and 19 as an example.
	Dept. 06	Tax status 3 (10%)	

Step	Operation	Printout
1 Turn the Mode switch to PGM position and press <b>1</b> and <b>SUB TOTAL</b> keys. Now, the Cash Register is in the setup mode.	<b>1</b> <b>SUB TOTAL</b>	<div> 21-01-2015 16:10  P01 000018    DEPT05 T2  DEPT06 T3 </div>
2 Pressing <b>TAX PGM</b> key repeatedly changes the tax status indication. Select the tax status you wish to set. In this example, T/S2.	<b>TAX PGM</b> <b>TAX PGM</b>	
3 Press corresponding Dept. key. In this example, Dept. 05. If you wish to set the same tax status to another department, press the Dept. key consecutively.	<b>5</b>	
4 Press <b>TAX PGM</b> key again. The tax status indication changes to the next status (in this example, T/S3). After then, press corresponding Dept. key.	<b>TAX PGM</b> <b>6</b>	
5 Press <b>SUB TOTAL</b> key to complete the setting.	<b>SUB TOTAL</b>	

- NOTE**
- Taxable amounts and tax amounts for each tax status are aggregated and printed on X or Z reports. See pages 42 and 43.
  - To check departments' preset tax statuses, please refer to "To check settings (other than PLU)" on page 69.

# To use the Cash Register's basic function

## To preset unit price to each department

### ■ Presetting unit prices to departments

You can preset a unit price to corresponding department to make registrations quick and easy.



#### Sample Operation

Preset price	Dept. 02	•3.50	Presetting •3.50 to Dept. 02 and •5.25 to Dept. 03.
	Dept. 03	•5.25	

Step	Operation	Printout
1 Turn the Mode switch to PGM position and press <b>1</b> and <b>SUB TOTAL</b> keys. Now, the Cash Register is in the setup mode.	<b>1</b> <b>SUB TOTAL</b>	<div>21-01-2015 16:15</div> <div>P01 000020</div> <div>DEPT02 #02 @3.50</div> <div>DEPT03 #03 @5.25</div>
2 Input the unit price and the Dept. key you wish to preset to. The example on the right is for presetting •3.50 to Dept. 02.	<b>3</b> <b>5</b> <b>0</b> <b>-2</b>	
3 Perform the same operation for other Depts.	<b>5</b> <b>2</b> <b>5</b> <b>×3</b>	
4 Press <b>SUB TOTAL</b> key to complete the setting.	<b>SUB TOTAL</b>	

### ■ Registering items with preset prices

By presetting unit prices to departments, you can register items just by pressing Dept. keys.



#### Sample Operation

Item	Unit Price	•3.50 (preset)	•5.25 (preset)	Registering preset priced items.
	Quantity	1	1	
	Dept.	02	03	
Payment	Cash			

Step	Operation	Printout
1 Turn the Mode switch to REG position and just press corresponding Dept. keys. Items with preset prices have been registered.	<b>-2</b> <b>×3</b>	<div>21-01-2015 15:10</div> <div>REG 000017</div> <div>DEPT02 •3.50</div> <div>DEPT03 •5.25</div> <div>CASH - 8.75</div>
2 Finalize the transaction.	<b>=</b> <b>CA/AMT /TEND</b>	

#### NOTE

If you enter unit price by ten key prior to the Dept. key, the preset price becomes ineffective, and entered price is registered.

# To use the Cash Register's basic function

## To preset item names to departments

By presetting item names to departments, the names are printed on a receipt. You can choose an item name from 200 item list.

### ■ Programming item names to departments



#### Sample Operation

Item	Dept. 07	MAGAZINE	Presetting "MAGAZINE" to Dept. 07 and "BOOK" to Dept. 08.
	Dept. 08	BOOK	

Step	Operation	Printout
<b>1</b> Turn the Mode switch to PGM position and press <b>2</b> and <b>SUB TOTAL</b> keys. The Cash Register becomes program mode .	<b>2</b> <b>SUB TOTAL</b>	Category list <div>                         110:ARTICLE SALE                          210:BOOK, STATIONERY                          310:ELECTRONIC GOODS                          410:DRESSING                          510:SERVICE                          610:PHARMACY                          710:FOODSTUFFS                          810:MEAL                          910:OTHERS                           ENTER XXX AND PRESS                          &lt;HELP&gt; TO SEE DEPT/PLU                          NAME.                     </div>
<b>2</b> Press <b>1 0</b> and <b>HELP</b> keys. Printer prints the category list.	<b>1 0</b> <b>HELP</b>	
<b>3</b> Enter the category number (in this example, 210: BOOK, STATIONERY) and press <b>HELP</b> key. Printer prints the item code list of the category.	<b>2 1 0</b> <b>HELP</b>	
<b>4</b> Enter the item code, in this example, 040 for MAGAZINE and press corresponding Dept. key.	<b>0 4 0 7</b>	
<b>5</b> Enter the item code for the next item (in this example, 044 for BOOK) and press corresponding Dept. key.	<b>0 4 4 8</b>	
<b>6</b> Press <b>SUB TOTAL</b> key to complete the setting. If you wish to set an item name of another category, repeat from step 3.	<b>SUB TOTAL</b>	Item code <div>                         210:BOOK, STATIONERY                           036 : CD                          037 : DVD                          038 : ALBUM                          039 : COMIC                          040 : MAGAZINE                          041 : GUIDE                          042 : SUPPLIES                          043 : HOBBY                          044 : BOOK                          045 : NEWSPAPE                          046 : STATIONE                          047 : LITERARY                          048 : PAPERBAC                          049 : DICTIONA                          050 : CALCULAT                          051 : MAP                     </div>

# To use the Cash Register's basic function

## ■ Registering items with preset names

The item names programmed by the above procedures are printed on receipts.



### Sample Operation

Item	Dept.	Unit Price	Quantity	Preset item name	Registering Dept. 07 (preset as MAGAZINE) and Dept. 08 (BOOK) items.
	07	•8.75	1	MAGAZINE	
	08	•15.50	1	BOOK	

### Step

### Operation

### Printout

**1** Turn the Mode switch to REG position. Enter the unit price and press corresponding Dept. key. If a preset price is programmed to the Dept. key, just press the Dept. key.

**8 7 5 7**

**2** Register the other item.

**1 5 5 0 8**

**3** Finalize the transaction. The item names, MAGAZINE, and BOOK will be printed on the receipt.

**= CA / AMT / TEND**

21-01-2015	15:15
REG	000020
MAGAZINE	• 8.75
BOOK	• 15.50
CASH	- 24.25

# To use the Cash Register's basic function

## To preset PLUs

Apart from departments, you can preset unit prices and item names by using PLU (Price Look Up) feature. You can preset prices and names for up to 2000 PLU items.

### ■Presetting unit prices to PLUs



### Sample Operation

PLU item	PLU No.	Unit Price	
	5	•8.50	Presetting •8.50 to PLU 5 and •14.00 to PLU 123.
	123	•14.00	

Step	Operation	Printout
<b>1</b> Turn the Mode switch to PGM position and press <b>1</b> and <b>SUB TOTAL</b> keys. Now, the Cash Register is in the setup mode.	<b>1</b> <b>SUB TOTAL</b>	<div> <div>21-01-201514:00</div> <div>P01000007</div> <div>PLU0005#0005</div> <div>@8.50</div> <div>PLU0123#0123</div> <div>@14.00</div> </div>
<b>2</b> Input a PLU number and press <b>PLU</b> key.	<b>5</b> <b>PLU</b>	
<b>3</b> Enter the unit price and press <b>= CA/AMT/TEND</b> key.	<b>8</b> <b>5</b> <b>0</b> <b>= CA/AMT/TEND</b>	
<b>4</b> Perform the same operation for the next PLU item.	<b>1</b> <b>2</b> <b>3</b> <b>PLU</b> <b>1</b> <b>4</b> <b>00</b> <b>= CA/AMT/TEND</b>	
<b>5</b> Press <b>SUB TOTAL</b> key to complete the setting.	<b>SUB TOTAL</b>	

### Further operation:

- To link a PLU item to a department (page 55)

# To use the Cash Register's basic function

## ■ Naming PLU items

From 200 item name list, you can preset item names to PLU items.



### Sample Operation

PLU item	PLU No.	Item name	Item name No.	Presetting PLU No.5 as UMBRELLA and PLU No.123 as SHIRT.
	5	UMBRELLA	061	
	123	SHIRT	077	

Step	Operation	Printout
<b>1</b> Turn the Mode switch to PGM position and press <b>2</b> and <b>SUB TOTAL</b> keys to set the Register in the program mode.	<b>2</b> <b>SUB TOTAL</b>	<div> <div>21-01-201513:15</div> <div>P02000008</div> <div>UMBRELLA\$0005</div> <div>SHIRT\$0123</div> </div>
<b>2</b> Input the PLU number (in this case 5) and press <b>PLU</b> key.	<b>5</b> <b>PLU</b>	
<b>3</b> Press <b>ERR CORR</b> key.	<b>ERR CORR</b>	
<b>4</b> Input the item name code (in this case 061: UMBRELLA) and press <b>CA/AMT TEND</b> . You can refer item name codes by the printout using <b>HELP</b> key (see page 37).	<b>0 6 1</b> <b>CA/AMT TEND</b>	
<b>5</b> Repeat steps 2 through 4 for the next PLU item (in this example, PLU 123, item name code 077: SHIRT).	<b>1 2 3</b> <b>PLU</b> <b>ERR CORR</b> <b>0 7 7</b> <b>CA/AMT TEND</b>	
<b>6</b> Press <b>SUB TOTAL</b> key to complete the setting.	<b>SUB TOTAL</b>	



# To use the Cash Register's basic function

## ■ Registering PLU items

By entering a PLU number, preset unit price is automatically registered with preset name.



### Sample Operation

PLU item	PLU No.	Preset unit price	Quantity	Item name	Registering two of PLU 5 items (UMBRELLA, •8.50) and one PLU 123 item (SHIRT, •14.00).
	5	•8.50	2	UMBRELLA	
	123	•14.00	1	SHIRT	
Payment	Cash	•50.00			

Step	Operation	Printout
<b>1</b> Turn the Mode switch to REG position. Input the PLU number (5 in this case) and press <b>PLU</b> key twice (for two pieces).	<b>5</b> <b>PLU</b> <b>PLU</b>	<div> <div>21-01-2015 14:45</div> <div>REG 000016</div> <div>UMBRELLA •8.50</div> <div>UMBRELLA •8.50</div> <div>SHIRT •14.00</div> <div>TOTAL - 31.00</div> <div>CASH •50.00</div> <div>CHANGE •19.00</div> </div>
<b>2</b> Enter the PLU number of the next item, and press <b>PLU</b> key.	<b>1</b> <b>2</b> <b>3</b> <b>PLU</b>	
<b>3</b> Press <b>SUB TOTAL</b> key.	<b>SUB TOTAL</b>	
<b>4</b> Input the tendered amount and press <b>= CA/AMT TEND</b> key to finalize the transaction.	<b>5</b> <b>0</b> <b>00</b> <b>= CA/AMT TEND</b>	

### NOTE

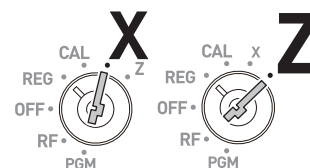
- If PLU name is not preset, PLU number is printed instead of an item name.
- If unit price is not preset, the Cash Register emits an error sound when the PLU number is assigned.

# To use the Cash Register's basic function

## Daily sales reports

### To print sales reports

At the end or middle of the business day, you can print categorized and summarized sales results of the day. Z report clears all the sales data whereas the data remains in memory by X report output.



#### NOTE

- Please do not perform the Reset report (Z) printing while your store is open. It clears all the sales data.
- Items that transactions have not been made will not be printed on the report.

### ■ Daily sales report

Step	Operation
------	-----------

1 Turn the Mode switch to X or Z position.

2 Press  key. The printer prints the sales report.



21-01-2015	19:25	1
Z	000073	2
0000 DAILY	Z 0012	3
DEPT01	48	4
	·50.10	5
DEPT02	28	
	·76.40	
DEPT03	17	
	·85.80	
DEPT20	4	
	·3.00	
-----		
GROSS TOTAL	108	6
	·316.80	7
NET TOTAL	No 46	8
	·325.13	9
CAID	·199.91	10
CHID	·16.22	11
CKID	·20.00	12
CRID	·85.00	13
TA1	·105.10	14

- 1 Date/time
- 2 Consecutive No.
- 3 Z report counter
- 4 Dept. /Quantity
- 5 Amount
- 6 Gross sales quantity
- 7 Gross sales amount
- 8 No. of net sales
- 9 Net sales amount
- 10 Cash in drawer
- 11 Charge in drawer
- 12 Check in drawer
- 13 Credit in drawer
- 14 Taxable amount for tax rate 1

# To use the Cash Register's basic function

TAX1		· 4.20	15	15	Tax amount for tax rate 1
ROUND		· 1.23	16	16	Rounded amount
RF-MODE TTL	No	2	17	17	Refunded mode counter
		· 0.50	18	18	Refunded amount
CALCULATOR	No	3	19	19	No. of CAL operation
-----					
CASH	No	44	20	20	No. of cash sales
		· 203.91	21	21	Cash sales amount
CHARGE	No	3	22	22	Charge sales counter
		· 16.22	23	23	Charge sales amount
CHECK	No	1	24	24	Check sales counter
		· 20.00	25	25	Check sales amount
CREDIT	No	2	26	26	Credit sales counter
		· 85.00	27	27	Credit sales amount
RA	No	1	28	28	Received on account counter
		· 6.00	29	29	Received on account amount
P0	No	2	30	30	Paid-out counter
		· 10.00	31	31	Paid-out amount
-		1	32	32	Reduced counter
		· 0.50	33	33	Reduced amount
%-	No	1	34	34	Premium/Discount counter
		· 0.66	35	35	Premium/Discount amount
ERR CORR	No	21	36	36	Error correction counter
		· 30.50	37	37	Error correction amount
NS	No	12	38	38	No sale counter
-----					
CLERK	No	46	39	39	No. of clerk 01 transactions
		· 325.13	40	40	Clerk 01 sales amount
-----					
GT		· 0000832271.20	41	41	Grand total (not resettable)

## ■ Periodic sales report



Apart from daily report, you can obtain periodic sales report. The register prints total sales data from the last periodic report. Namely, if you do this operation monthly, you can obtain monthly sales reports.

Step	Operation	Printout
1	While Mode switch is in X or Z position, enter <b>1 0</b> from ten key pad and press <b>=</b> <small>CA/AMT/TEND</small> keys.	<div> <div>21-01-2015</div> <div>16:15</div> <div>Z</div> <div>000001</div> <div>0010 PERIODIC</div> <div>Z 0001</div> <div>GROSS TOTAL</div> <div>24</div> <div></div> <div>· 956.00</div> <div>NET TOTAL</div> <div>No 21</div> <div></div> <div>· 1,027.15</div> </div>

# To use the Cash Register's basic function

## ■ PLU report

You can issue PLU sales report.

Step	Operation	Printout
<b>1</b> While Mode switch is in X or Z position, press <b>1</b> and  keys. The Cash Register issues PLU sales report.	<b>1</b> 	<div><div>21-01-201514:15</div><div>X000015</div><div>0001 PLUX</div><div>PLU00053</div><div>·25.50</div><div>PLU00082</div><div>·6.50</div><div>PLU00095</div><div>·31.50</div><div>PLU00101</div><div>·2.50</div><div>PLU01231</div><div>·14.00</div><div>-----</div><div>TOTAL12</div><div>·80.00</div></div>

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### Receipt control

To save paper, you can stop receipt print and, even in the paper saving mode, the Cash Register is able to print the receipt of immediately preceding transaction.

#### To not print receipts

If you do not need to print out receipts, use the paper saving mode.

**1** To set the Cash Register in paper saving mode, just press [PAPER SAVING] key.

The printer will not print any receipt.

- NOTE**
- Even in the paper saving mode, transactions are stored in the Cash Register and, you can print X or Z reports.
  - To unset the paper saving mode, press [PAPER SAVING] key again.

#### To print receipts in paper saving mode

If you wish to issue a receipt in the paper saving mode, use post receipt feature.

**1** After the finalization of a transaction, press [POST RECEIPT] key. The receipt of the transaction is issued.

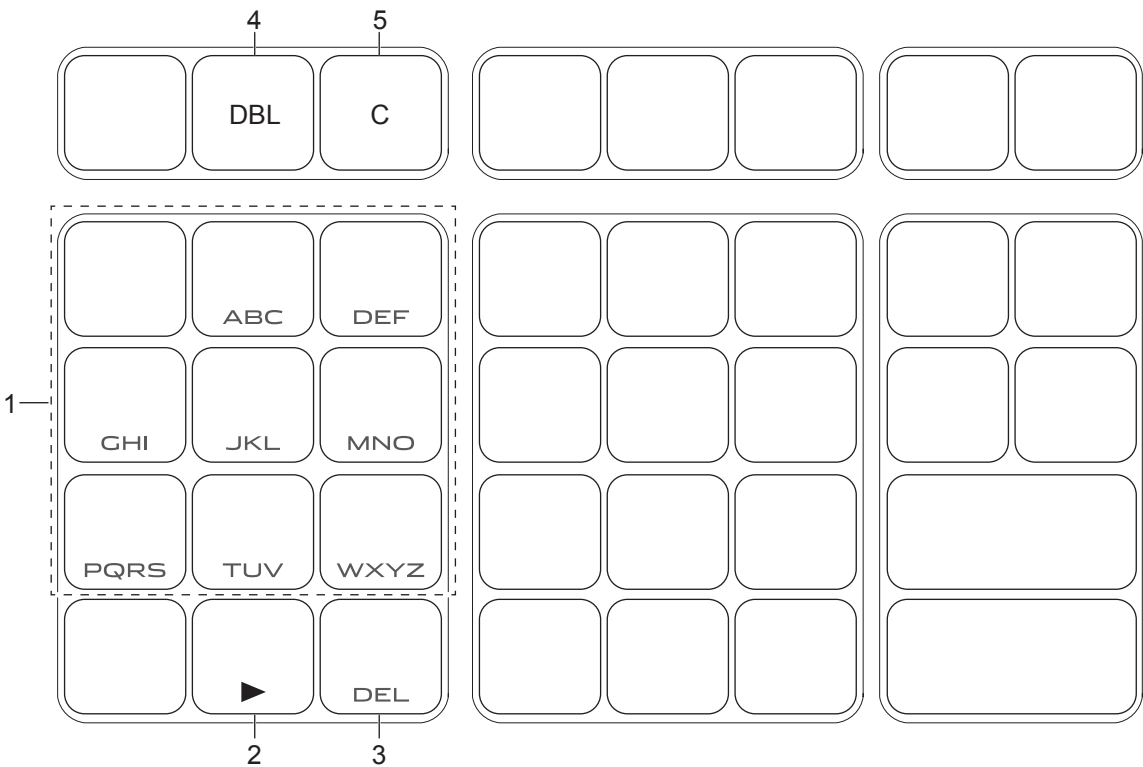
- NOTE**
- You can issue a receipt only for the immediately preceding transaction.

Character settings

Apart from the preprogrammed department or PLU names (see pages 37 and 40), you can attach names to departments and PLUs. The following clauses explain how to preset “FRUITS” to Dept. 10 and “ORANGE” to PLU 100.

**NOTE** • For Arabic and Vietnamese characters, use character codes (page 82, 83, 84).

Character keyboard



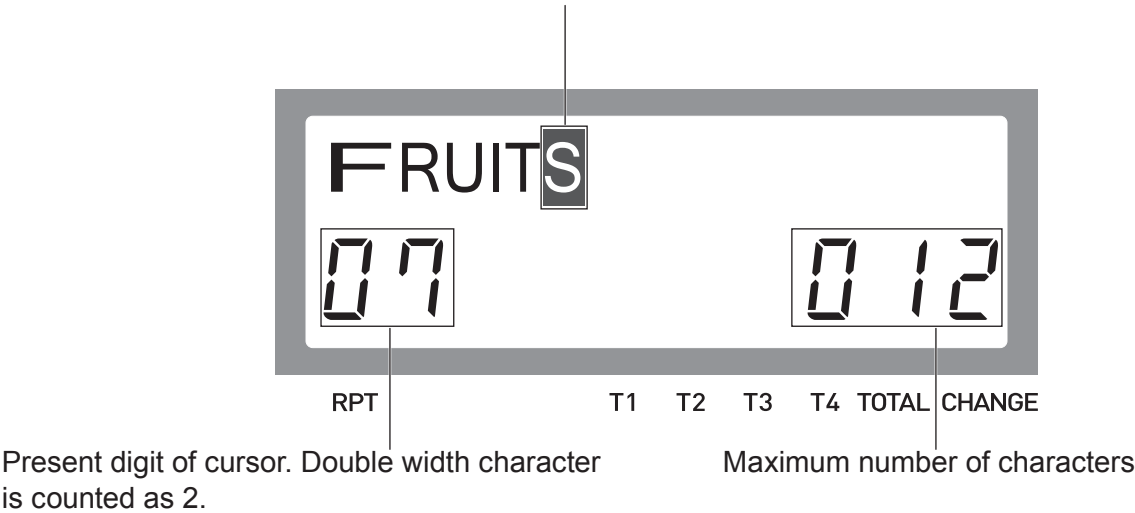
- |   |                  |  |
|---|------------------|--|
| 1 | Alphabet keys    | Hitting one of those keys repeatedly changes characters in the order shown in the table below. |
| 2 | Right cursor key | Moves the cursor to the next digit.  |
| 3 | DELETE key       | Clears the last inputted character.  |
| 4 | DBL key          | Double size letter key. Assigns the next input character to be double-width character.         |
| 5 | Clear key        | Clears all the characters.   |

# Advanced features

8	A → B → C → a → b → c → 8 → Ä → Å → Æ → Á → Â → À → Ã → Ç → â → ä → à → ã → æ → á → ã → ç returns to the beginning
9	D → E → F → d → e → f → 9 → Đ → É → Ê → Ë → È → ð → é → ê → ë → è → ð returns to the beginning
4	G → H → I → g → h → i → 4 → Í → Î → Ï → I → Ì → Î → Î → Î → Ì → Ì → í → í returns to the beginning
5	J → K → L → j → k → l → 5 returns to the beginning
6	M → N → O → m → n → o → 6 → Ñ → Ö → ø → Ó → Ô → Ò → Õ → ñ → ô → ö → ò → ø → ó → õ returns to the beginning
1	P → Q → R → S → p → q → r → s → 1 → þ → þ → ß returns to the beginning
2	T → U → V → t → u → v → 2 → T <sub>EL</sub> → Ü → Ú → Û → Û → ü → û → ù → ú → µ returns to the beginning
3	W → X → Y → Z → w → x → y → z → 3 → Ÿ → Ÿ → Ÿ returns to the beginning
0	0
00	(Right cursor)
.	(Delete)
7	7 → @ → - → / → space → : → ! → ? → ~ → ( → ) → * → # → + → , → ^ → ; → < → > → = → > → \$ → ¥ → % → & → [ → ] → ' → { →   → } → • → “ → . → \ → _ → ` → £ → × → ÷ → i → € → § returns to the beginning

## Character setting display

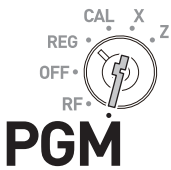
Setting digit is displayed in a reversed character.





To set characters to departments and PLUs

■ Setting characters to departments



Sample Operation

	Category name	
Dept. 10	F R U I T S	Setting category name "F R U I T S" to Dept. 10.

Step	Operation	Printout
1 Turn the Mode switch to PGM position and press <b>2</b> and <b>SUB TOTAL</b> keys to make the Register in the program mode.	<b>2</b> <b>SUB TOTAL</b>	<div>21-01-2015 14:40 P02 000012  F R U I T S #10</div>
2 Press Dept. key you wish to set to. In this example, Dept. 10.	<b>10</b>	
3 Press <b>DATE TIME</b> (DBL) key to assign the next character as double-width character.	<b>DATE TIME</b> (DBL) <Assigning double-width>	
4 Press <b>9</b> key three times for letter F.	<b>9 9 9</b> <F>	
5 Press <b>DATE TIME</b> (DBL) key to release double-width assignment.	<b>DATE TIME</b> (DBL) <Releasing double-width>	
6 Press <b>1</b> key three times for letter R.	<b>1 1 1</b> <R>	
7 Press <b>2</b> key twice for letter U.	<b>2 2</b> <U>	
8 Set the rest of characters "ITS".	<b>4 4 4 2</b> <I> <T> <b>1 1 1 1</b> <S>	
9 Press <b>CA/AMT TEND</b> key to determine the setting. If you wish to set characters to another department, repeat steps 2 through 9.	<b>CA/AMT TEND</b>	
10 Press <b>SUB TOTAL</b> key to complete the setting.	<b>SUB TOTAL</b>	

- NOTE
- Use **DEL** key to delete the last inputted character. To clear all the characters of the department, press **AC C** key.
  - If you wish to set characters using the same key, use **00** (right cursor) key to move the setting digit.
  - To insert a space between characters, press **7** (-) key five times.

# Advanced features

## ■ Registering an item to a character preset department

After a category name of a department is set, the Cash Register prints following receipt when an item is registered to the department.

After **1 0 00 10**  operation in REG mode.



21-01-2015	14:42
REG	000015
FRUITS	10.00
CASH	- 10.00

## ■ Setting characters to PLUs



### Sample Operation

	Item name	
PLU100	APPLE	Setting item name "APPLE" to PLU100.

Step	Operation	Printout
<b>1</b> Turn the Mode switch to PGM position and press <b>2</b> and <b>SUB TOTAL</b> keys to make the Register in the program mode.	<b>2</b> <b>SUB TOTAL</b>	<div>21-01-2015 14:45 P02 000013  APPLE #0100</div>
<b>2</b> Enter the PLU number you wish to set to and press <b>PLU</b> key.	<b>1 0 0</b> <b>PLU</b>	
<b>3</b> Press <b>AC C</b> key if you wish to clear present PLU name.	<b>AC C</b>	
<b>4</b> Enter item name (APPLE in this example) using multi typing keyboard.	<b>8 1 00 1</b> <A><P><▶><P> <b>5 5 5 9 9</b> <L> <E>	
<b>5</b> Press <b>= CA/AMT/TEND</b> key to set the item name. Repeat steps 2 through 5 for other PLU items.	<b>= CA/AMT/TEND</b>	
<b>6</b> Press <b>SUB TOTAL</b> key to complete the setting.	<b>SUB TOTAL</b>	

■ Registering character preset PLU items

After the above setting, the register prints the following receipt by the operation

**1 0 0** **PLU** **=** CA/AMT  
/TEND in REG mode.



21-01-2015	15:12
REG	000018
APPLE	· 1.23
CASH	- 1.23

**NOTE** An error occurs if unit price is not set to the PLU number. See page 39 for setting PLU unit price.

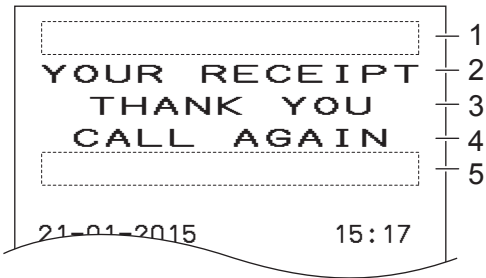
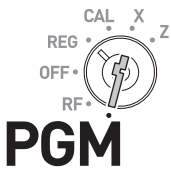
# Advanced features

## Other character settings

You can also set clerk names and receipt messages.

### ■ Setting receipt message

There are five lines for receipt message as shown below.



- 1 Line No.1
- 2 Line No.2
- 3 Line No.3
- 4 Line No.4
- 5 Line No.5

You can set message line by line.

### Sample Operation

Line No. 1	CASIO	Programming to print CASIO on top of the receipt.
------------	-------	---

Step	Operation
1 Turn the Mode switch to PGM position and press <b>2</b> and <b>SUB TOTAL</b> keys to make the Register in the program mode.	<b>2</b> <b>SUB TOTAL</b>
2 Enter the message number (in this example 1), and press <b>CH</b> key. The Register is set to program the first line of the receipt message.	<b>1</b> <b>CH</b>
3 Input message of the first line. In this example, CASIO.	<b>X/DATE TIME</b> <b>8</b> <b>8</b> <b>8</b> <b>00</b> <b>8</b> <DBL> <C> <▶><A> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>4</b> <b>4</b> <b>4</b> <S> <I> <b>6</b> <b>6</b> <b>6</b> <O>
4 Press <b>= CA/AMT /TEND</b> key to set the message of the first line. If you wish to set another line, repeat steps 2 through 4.	<b>= CA/AMT /TEND</b>
5 Press <b>SUB TOTAL</b> key to complete the setting.	<b>SUB TOTAL</b>

■ Issuing receipts with preset message

After the above setting, the Cash Register issues the following receipts when transactions are made in REG mode.



■ Setting clerk name









You can set clerk name so that the Register prints the name of the clerk in charge.



**NOTE** To print clerk name, you must program to force clerk number entry. (See page 65)

Sample Operation

Clerk No. 1	MARY	Programming clerk No. 1 MARY.
-------------	------	-------------------------------

Step	Operation
1 Turn the Mode switch to PGM position and press <b>2</b> and  keys to make the Register in the program mode.	<b>2</b> 
2 Enter the clerk number you wish to set name. In this example 1. Then press  key.	<b>1</b> 
3 Program the clerk name using multi typing keyboard.	<b>6 8 1 1 1</b> <M><A> <R> <b>3 3 3</b> <Y>
4 Press  key to set the name. If you wish to set another name, repeat steps 2 through 4.	
5 Press  key to complete the setting.	

# Advanced features

## ■ Printing clerk name on the receipt

After the above setting, the Cash Register issues the following receipt in REG mode when the clerk has signed on.



1	21-01-2015	14:20	1 Clerk name
	REG MARY	000014	
	DEPT02	·3.50	
	DEPT03	·5.25	
	CASH	- 8.75	

**NOTE** To print clerk name, you must program to force clerk number entry by D3 of “Overall settings of Cash Register (Set code 0622)”. (page 65)

To link PLU items to departments

You can link PLU items to corresponding departments. For example, link PLU 100 (Apple) to Dept. 10 (Fruits).

■ Linking PLU items to departments



Sample Operation

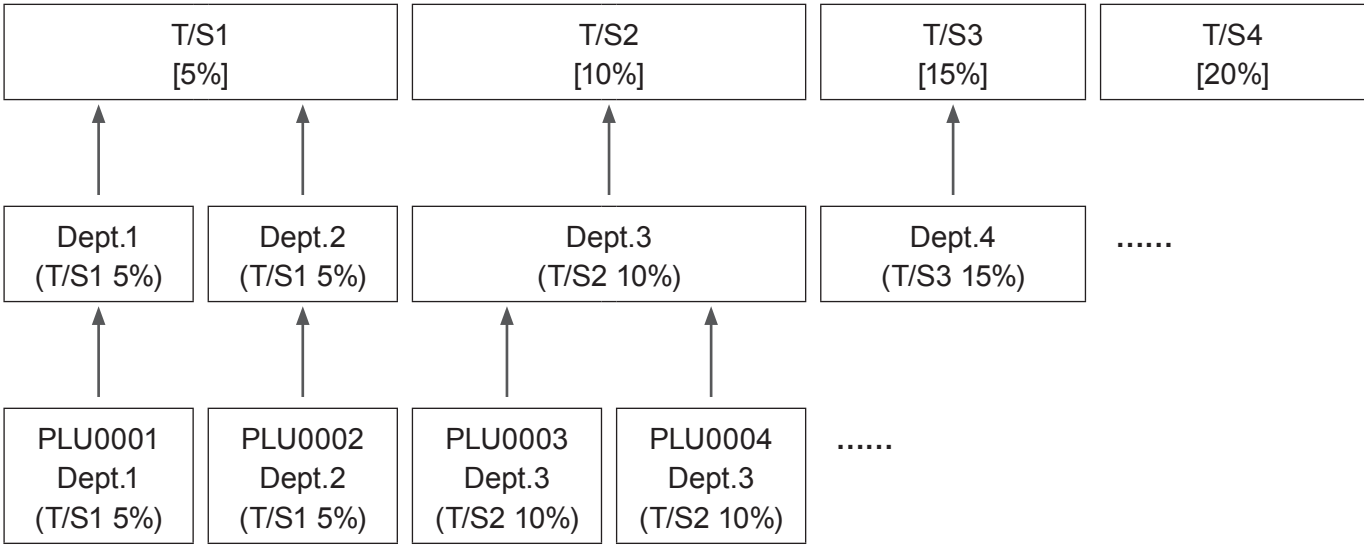
PLU No.	Linking Dept.	Linking PLU 100 to Dept. 10.
100	Dept. 10	

Step	Operation	Printout
1 Turn the Mode switch to PGM position and press <b>3</b> and <b>SUB TOTAL</b> keys to make the Register in the program mode.	<b>3</b> <b>SUB TOTAL</b>	<div>21-01-2015 16:20 P03 000022  APPLE #0100 10</div>
2 Enter PLU No. you wish to link (100 in this example) and press <b>PLU</b> key.	<b>1 0 0</b> <b>PLU</b>	
3 Enter Dept. number from ten key pad (10 in this example) and press <b>= CA / AMT / TEND</b> key. Repeat steps 2 and 3 for other PLUs.	<b>1 0</b> <b>= CA / AMT / TEND</b>	
4 Press <b>SUB TOTAL</b> key to complete the setting.	<b>SUB TOTAL</b>	

**NOTE** By default, all the PLUs are linked to Dept. 24.

■ About PLU tax status

Tax statuses of PLUs accord with the linked departments as shown below.



**NOTE** Please refer to “To preset taxable statuses to departments” (page 35) and “To set tax table” (page 68).

# Advanced features

## ■ Registering PLU item linked to a department

When you register preset PLU item, linked department number is not printed on the receipt but it is categorized in the corresponding department.



### Receipt

	21-01-2015	15:17
	REG	000018
1	APPLE	· 1.23
	CASH	- 1.23

- 1 PLU 100 with preset name linked to Dept. 10

### X/Z Report

	21-01-2015	11:30
	X	000002
	0000 DAILY	X
	DEPT09	1
		· 1.00
1	FRUITS	1
		· 1.23
	DEPT11	1
		· 2.00
	-----	
	GROSS TOTAL	2
		· 3.00

- 1 Dept. 10 with preset name
- 2 PLU 100 item



Simple settings

■ Simple setting of key catch tones

You can set whether to sound key catch tones or not by simple programming.



Step	Operation
1 Turn the Mode switch to PGM position and press <b>1</b> and <b>SUB TOTAL</b> keys.	<b>1</b> <b>SUB TOTAL</b>
2 Input 10800 from ten key pad and press <b>SUB TOTAL</b> key.	<b>1</b> <b>0</b> <b>8</b> <b>0</b> <b>0</b> <b>SUB TOTAL</b>
3 Input 0 (sound key catch tones) or 1 (not sound key catch tones) and press <b>= CA / AMT / TEND</b> key. The example on the right is for not sounding key catch tones.	<b>1</b> <b>= CA / AMT / TEND</b>

■ Simple setting of double height printing

By this setting, the Cash Register prints receipts with double height characters.

Step	Operation
1 While Mode switch is in PGM position, press <b>1</b> and <b>SUB TOTAL</b> keys.	<b>1</b> <b>SUB TOTAL</b>
2 Input 10200 from ten key pad and press <b>SUB TOTAL</b> key.	<b>1</b> <b>0</b> <b>2</b> <b>0</b> <b>0</b> <b>SUB TOTAL</b>
3 Input 0 (normal character height) or 1 (double character height) and press <b>= CA / AMT / TEND</b> key. The example on the right is for setting double height characters.	<b>1</b> <b>= CA / AMT / TEND</b>


After the above setting, the Cash Register prints the following receipts in REG mode.

21-01-2015	09:40
REG	000003
DEPT01	·1.00
TOTAL	· 1.00
CASH	·1.00

## Advanced programming

### To program advanced features to departments

You can also program the following features to the departments.







- Minus unit price registration: Unit price registered in the department is stored as minus value. It is useful for refunded items or returned bottles.
- Maximum digit limitation: To prevent wrong unit price entry, you can set the maximum number of digit for numeral entry.
- Single item transaction: This feature finalizes the transaction just by hitting a Dept. key for single item registration. You do not need to press  key to finalize.

### ■ Advanced programming of Dept. keys



#### Sample Operation

	(A)	(B)	(C)	
Dept. 02	Normal Dept.	Maximum 4-digit entry	Single item transaction dept.	Programming Dept. 02 as normal (not negative price) Dept., 4-digit limitation, and single transaction Dept. Dept. 03 as minus price Dept., 5-digit limitation, normal (not single item) Dept.
Dept. 03	Minus Dept.	Maximum 5-digit entry	Normal dept.	

Step	Operation	Printout
1 Turn the Mode switch to PGM position and press <b>3</b> and  keys to make the Register in the program mode.	<b>3</b> 	<div>21-01-2015 14:48</div> <div>P03 000014</div> <div>DEPT02 #02</div> <div>0041</div> <div>DEPT03 #03</div> <div>0150</div>
2 Referring the set code list A, B, and C below, input the setting code. In this example, (A) <b>0</b> ; Normal dept., (B) <b>4</b> ; 4-digit limitation, and (C) <b>1</b> ; Single transaction. After then, press corresponding Dept. key.	<b>0 4 1</b>  (A) (B) (C)	
3 By the same manner, program the set code to Dept. 03 as (A) <b>1</b> ; Negative Dept., (B) <b>5</b> ; 5-digit limitation, and (C) <b>0</b> ; Not single transaction Dept.	<b>1 5 0</b>  (A) (B) (C)	
4 Press  key to complete the setting.		

Set code		
(A)	Normal Dept.	0
	Negative unit price allowable	1
(B)	No digit limitation for unit price	0
	Maximum number of digit for unit prices (up to 8 digits)	1 to 8
	Prohibit manual unit price entry (only preset price is registrable)	9
(C)	Normal registration department	0
	Single item transaction department	1

\* Default value of (A), (B), and (C) are "000".

Single item transaction

By presetting a Dept. key as single item transaction department, you can transact an item just by pressing the Dept. key without any transaction key.



**NOTE** Single item transaction feature is not effective if a unit price is not preset to the corresponding department key.





Step	Operation	Printout
1	Turn the Mode switch to REG position, just press a single item transaction Dept. key. In this example, Dept. 02.	<div><div>- 2</div><div><div>21-01-201517:20</div><div>REG000026</div><div>DEPT02·3.50</div><div>CASH- 3.50</div></div></div>

## To program advanced features of the function keys

The following operation sets , , , , and  keys further features.



### Step

- 1 Turn the Mode switch to PGM position and press  and  keys.
- 2 Referring the following table, input the program code you wish to program. For example, to program  key as %+(premium) key, enter 0001.
- 3 Press corresponding function key.
- 4 Press  key to complete the setting.

### Operation













 

     
D4 D3 D2 D1














, , , , or 



### ■ Programming key further functions

Description		Selection	Program code	Default value
D4	Always 0	0		
D3	Always 0	0		
D2	Round off, omit fraction, or round up?	Round off = 0 Omit = 1 Round up = 2	 ,  or 	
D1	Use  key as <%-> or <%+> key?	%- = 0 %+ = 1	 or 	









### ■ Programming , , , and keys further functions

Description		Selection	Program code	Default value
D4	Use Finnish rounding?	a Yes = 1 No = 0	 * (a+b+c) Add a, b and c	Depend on the region
	Limit last 2 digits of numeral entry 00 or 50? (Only for  key)	b Yes = 2 No = 0		
	Limit the last digit of numeral entry 0 or 5? (Except  and  keys.)	c Yes = 4 No = 0		
D3	Prohibit partial payment? (Except  and  keys.)	Yes = 1 No = 0	 or 	
D2	Always 0	0		
D1	Always 0	0		

To program advanced features of the Cash Register

To program the advanced settings of the register, please follow the operations shown below.



Step	Operation
1 While Mode switch is in PGM position, press <b>3</b> and  keys.	<b>3</b> 
2 Referring the following table, input the set code you wish to program and press  key. For example, to program overall features of Register, input 0622	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>  (Set code)
3 Referring table of each program, input six-digit program code and press  key.	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>  D6 D5 D4 D3 D2 D1 (Program code)
4 Press  key to complete the setting.	

Set codes

Set code	Items to set	Set code	Items to set
0322	Tax related printings	1022	Operations in calculator mode
0422	Country-specific rounding and tax system	2022	Display control
0522	Print control	2322	Currency exchange rate setting
0622	Overall settings of the Register		
0822	Print control of X/Z reports		

## Advanced features

### ■ Programming taxable item symbol printing (Set code: 0322)

Description		Selection	Program code	Default value
D6	Always 0	0	<input type="text" value="0"/>	<input type="text" value="0"/>
D5	Print T/S (tax symbol)?	a Yes = 2 No = 0	<input type="text" value="0"/> or <input type="text" value="2"/>	Depend on the region
D4	Print Australian GST message?	b Yes = 4 No = 0	<input type="text" value="0"/> or <input type="text" value="4"/>	Depend on the region
D3	Print TA1 on the receipt?	a Yes = 1 No = 0	<input type="text"/> (a+b+c) Add a, b and c	Depend on the region
	Print TA2 on the receipt?	b Yes = 2 No = 0		
	Print TA3 on the receipt?	c Yes = 4 No = 0		
D2	Print TA4 on the receipt?	a Yes = 1 No = 0	<input type="text"/> (a+b) Add a and b	Depend on the region
	Print VAT (inclusive tax) on receipts?	b Print = 2 Not print = 0		
D1	Always 0	0	<input type="text" value="0"/>	<input type="text" value="0"/>

\* Add a, b, and c. For example, to print TA1 (a= 1), TA2 (b=2), and TA3 (c = 4), D3 should be 7.

#### Programming example

To program Print T/S on receipts (D5 = 2)/Print TA1, TA2, and TA3 on receipts (D3 = 7)/Print TA4 on receipts, and print VAT (D2 = 3), operate as follows.

( Set code ) ( Set data )

### ■ Country-specific rounding and tax systems (Set code: 0422)

Description		Selection	Program code	Default value
D6	Rounding system (see tables below)	00 to 13	<input type="text" value="0"/> <input type="text" value="0"/> to <input type="text" value="1"/> <input type="text" value="3"/>	Depend on the region
D5	00: No rounding    01: IF1    02: IF2 03: Denmark    04: Norway    05: Singapore 06: Finland    07: Australia    08: Canada			
	09: New Zealand (A)    10: New Zealand (B) 11: Malaysia    12: Czech    13: South Africa			
D4	Tax system 0: Single tax (1 to 4) 1: USA    2: Canada 3: Singapore	0 to 3	<input type="text" value="0"/> to <input type="text" value="3"/>	Depend on the region
D3	Print invoice number on receipts?	Yes = 1 No = 0	<input type="text" value="0"/> or <input type="text" value="1"/>	<input type="text" value="0"/>
D2	Always 0	0	<input type="text" value="0"/>	<input type="text" value="0"/>
D1	Display rounded value?	a Yes = 1 No = 0	<input type="text"/> (a+b) Add a and b	<input type="text" value="0"/>
	Allow <input type="text" value="RA"/> and <input type="text" value="PO"/> amount only multiples of 0.05? (Australian model only)	b Yes = 4 No = 0		<input type="text" value="0"/>

## Rounding systems for each country

IF 1 rounding	
Last digit of ST	Result
0 to 2	0
3 to 7	5
8 to 9	10

South African rounding	
Last digit of ST	Result
0 to 4	0
5 to 9	5

IF 2 rounding	
Last digit of ST	Result
0 to 4	0
5 to 9	10

New Zealander (A/B) rounding	
Last digit of ST/ CA CG	Result
0 to 4/5	0
5/6 to 9	10

Danish rounding	
Last 2 digits of ST/ CA CG	Result
00 to 24	00
25 to 74	50
75 to 99	100

Malaysian rounding	
Last digit of ST/ CA CG	Result
0 to 2	0
3 to 7	5
8 to 9	10

Singaporean rounding	
Last digit of item, %- REG	Result
0 to 2	0
3 to 7	5
8 to 9	10

Norwegian/Czech rounding	
Last digit of ST	Result
00 to 49	00
50 to 99	100

Finnish rounding	
Last digit of ST/ CA CG	Result
0 to 2	0
3 to 7	5
8 to 9	10

Canadian rounding	
Last digit of ST/ CA CG	Result
0 to 2	0
3 to 7	5
8 to 9	10

Australian rounding	
Last digit of ST/ CA CG	Result
0 to 2	0
3 to 7	5
8 to 9	10

## Programming example

To program No rounding: (D6, D5 = 00)/Single tax system: (D4 = 0)/Print invoice No. on receipts: (D3 = 1)/D2 should be 0/Display rounded amount (D1 = 1), operate as follows.

**3** SUB TOTAL **0 4 2 2** SUB TOTAL **0 0 0 1 0 1** = CA/AMT /TEND SUB TOTAL  
 ( Set code ) ( Set data )

# Advanced features

## ■ Programming print control (Set code: 0522)

Description			Selection	Program code	Default value
D6	Use receipt or journal?*	a	Receipt = 0 Journal = 1	<input type="checkbox"/> (a+b+c) Add a, b and c	0
	Normal print or double length print on receipts?	b	Normal = 0 Tall = 2		
	Print total amount when finalized?	c	Yes = 4 No = 0		
D5	Print receipt message characters or graphic logo?		Character = 0 Graphic = 1	0 or 1	0
D4	Print the time on receipts?		Yes = 0 No = 4	0 or 4	0
D3	Print consecutive number on receipts?	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b+c) Add a, b and c	0
	Print total amount by <input type="button" value="SUB TOTAL"/> key?	b	Yes = 2 No = 0		
	Print detailed items on journal?	c	Yes = 0 No = 4		
D2	Always 0		0	0	0
D1	Printing density Normal: 0, Dark: 1, Max. darkness: 2		0 to 2	0, 1 or 2	0

\* See page 72 for simple journal setting.

### Programming example

Using journal, Normal print width, Print total amount by subtotal key: (D6 = 1 + 0 + 4)/Character receipt message: (D5 = 0)/Print time on receipts: (D4 = 0)/Not print consecutive number, Print total amount by  key (D3 = 1 + 2)/Print density: normal (D1 = 0), operate as follows.

( Set code ) ( Set data )



## ■ Overall settings of Cash Register (Set code: 0622)

You can program the following features to the Cash Register.

(D6) Whether to sound key catch tone or not.

(D5) Whether to clear the key entry buffer when a receipt is issued.

Whether to reset the consecutive number after Z report.

Allow to finalize minus total amount.

(D4) Whether to show seconds on the display or not.

(D3) Whether to use **00** key as <00> or <000> key.

Whether to force clerk number entry before registrations.

(D2) Whether to use multi typing system or character code entry system (see page 47) for character settings.

(D1) Whether to store electronic journal (see page 76) and sales data in an SD card or not.

	Description		Selection	Program code	Default value
D6	Sound key catch tone?		Yes = 0 No = 4	<b>0</b> or <b>4</b>	<b>0</b>
D5	Clear key entry buffer when issuing receipt?	a	Yes = 1 No = 0	<input type="checkbox"/> (a+b+c) Add a, b and c	<b>0</b>
	Clear consecutive number after Z report?	b	Yes = 0 No = 2		
	Allow minus total finalization?	c	Yes = 4 No = 0		
D4	Show seconds on the display?		Yes = 1 No = 0	<b>0</b> or <b>1</b>	<b>0</b>
D3	Use <b>00</b> key as <000> key?	a	Yes = 1 No = 0	<input type="checkbox"/> (a+b) Add a and b	<b>0</b>
	Force clerk number entry?	b	Yes = 2 No = 0		
D2	Character set method is multi typing or key code entry system?		Multi typing = 0 Key code = 2	<b>0</b> or <b>2</b>	Depend on the region
D1	Store electronic journal and sales data in an SD card for X report?	a	Yes = 1 No = 0	<input type="checkbox"/> (a+b) Add a and b	<b>0</b>
	Store electronic journal and sales data in an SD card for Z report?	b	Yes = 2 No = 0		

\* Add a, b, and c. For example, to set clear key entry buffer: a = 1, not clearing consecutive number: b = 2, not allowing minus total finalization: c = 4. The set value for (B) is 1 + 2 + 4 = 7.

### Programming example

Sound key catch tone: (D6 = 0)/Clear consecutive number, Allow minus total finalization (D5 = 1 + 2 + 4 = 7)/Show seconds on the display: (D4 = 1)/Not use **00** key as 000 key/Force clerk sign on (D3 = 2)/Character setting method is multi typing: (D2 = 0)/Store electronic journal and sales data in an SD for X report/Not storing electronic journal and sales data in an SD card for Z report (D1 = 1), operate as follows.

**3** **SUB TOTAL** **0 6 2 2** **SUB TOTAL** **0 7 1 2 0 1** **= CA/AMT TEND** **SUB TOTAL**  
 ( Set code ) ( Set data )

# Advanced features

## Forcing clerk number entry

In the above program, if you set 2 or 3 to the set value of (D3), the Cash Register emits an alert and asks you to sign on when you operate the Cash Register without entering clerk number.

Clerk number or clerk name (see page 54) will be printed on receipts if clerk number entry is forced. You can use up to eight clerk numbers or names.

1	21-01-2015	16:15	1 Clerk No.
	REG CLERK03	000024	
	DEPT01	· 10.00	
	DEPT02	· 20.00	
	CASH	- 30.00	

## ■ Print controls of X/Z report (Set code: 0822)

Description		Selection	Program code	Default value
D6	Always 0	0	<input type="checkbox"/> 0	<input type="checkbox"/> 0
D5	Clear electronic journal after Z report?	Yes = 0 No = 1	<input type="checkbox"/> 0 or <input type="checkbox"/> 1	<input type="checkbox"/> 0
D4	Print total refunded amount?	Yes = 0 No = 1	<input type="checkbox"/> 0 or <input type="checkbox"/> 1	<input type="checkbox"/> 0
D3	Print zero amounts on reports?	a Yes = 1 No = 0	<input type="checkbox"/> (a+b) Add a and b	<input type="checkbox"/> 0
	Print GT (accumulated amount of the Register) on reports?	b Yes = 0 No = 2		
D2	Print invoice numbers on receipts?	Yes = 4 No = 0	<input type="checkbox"/> 0 or <input type="checkbox"/> 4	<input type="checkbox"/> 0
D1	Always 0	0	<input type="checkbox"/> 0	<input type="checkbox"/> 0

## ■ Calculator mode settings (Set code: 1022)

Description		Selection	Program code	Default value
D6	Always 0	0	<input type="checkbox"/> 0	<input type="checkbox"/> 0
D5	Always 0	0	<input type="checkbox"/> 0	<input type="checkbox"/> 0
D4	Always 0	0	<input type="checkbox"/> 0	<input type="checkbox"/> 0
D3	Always 0	0	<input type="checkbox"/> 0	<input type="checkbox"/> 0
D2	Always 0	0	<input type="checkbox"/> 0	<input type="checkbox"/> 0
D1	Open the drawer when <input type="checkbox"/> CA/AMT/TEND key is pressed?	Yes = 1 No = 0	<input type="checkbox"/> (a+b+c) Add a, b and c	<input type="checkbox"/> 0
	Open the drawer when <input type="checkbox"/> CHK/NS key is pressed?	Yes = 2 No = 0		
	Print number of <input type="checkbox"/> CA/AMT/TEND key depression on X/Z reports?	Yes = 0 No = 4		

## ■ Display control (Set code: 2022)

Description		Selection	Program code	Default value
D6	Display rear indicator?	Yes = 0 No = 1	<b>0</b> or <b>1</b>	<b>0</b>
D5	Always 0	0	<b>0</b>	<b>0</b>
D4	Always 0	0	<b>0</b>	<b>0</b>
D3	Light the illuminator?	Yes = 0 No = 1	<b>0</b> or <b>1</b>	<b>0</b>
D2	Illumination off timer. (00 to 59 minutes)		<b>0 0</b> to <b>5 9</b>	<b>2 0</b>
D1				

Tax table

To set tax table

You can set four kinds of tax table. By this table, you can set tax rates, rounding system, and add-in or add-on tax systems.



**NOTE** The tax rates you have set in “To set the language, country, date, time, and tax rates” (pages 18 and 19) is replaced by the rate of this setting.

Sample Operation

Setting 7.0 percent tax rate, rounding off, and add-on tax to tax table 1.

Step	Operation
1 Turn the Mode switch to PGM position and press <b>3</b> and <b>SUB TOTAL</b> keys.	<b>3</b> <b>SUB TOTAL</b>
2 Enter tax table number and press [TAX PGM] key. The example on the right is for assigning tax table 1.	<b>1</b> [TAX PGM]
3 Enter the tax rate in the range from 0.0001 to 99.9999 and press <b>= CA/AMT /TEND</b> key. The example on the right is for setting 7.0 %.	<b>7</b> <b>.</b> <b>0</b> <b>= CA/AMT /TEND</b>
4 Referring the tables below, enter rounding (A), add-in/add-on (B) codes, and press <b>= CA/AMT /TEND</b> key. The example on the right is the code for rounding off, and add-on tax.	<b>5</b> <b>0</b> <b>0</b> <b>2</b> <b>= CA/AMT /TEND</b> (A) (B)
5 Press <b>SUB TOTAL</b> key to complete the setting.	<b>SUB TOTAL</b>

Rounding system (A)		Add-in/Add-on (B)	
Cut off to 2 decimal places	<b>0 0 0</b>	No specifications	<b>0</b>
Round off to 2 decimal places	<b>5 0 0</b>	Add-on tax	<b>2</b>
Round up to 2 decimal places	<b>9 0 0</b>	Add-in tax (VAT)	<b>3</b>
		Tax on tax	<b>4</b>
		VAT on tax (Thai system)	<b>6</b>

Printing programmed data


Checking your program

You can check programmed data you have set.



■ To check settings (other than PLU)

Step	Operation
------	-----------

1 Turn the Mode switch to PGM position and press  key.



21-01-2015	16:40	
P03	000028	
FRUITS	#01	1
0000	@0.98	
VEGETABLES	#02	
0000	@2.05	
FISH	#03	
0000	@3.15	
MEAT	#04	
0000	@15.30	
CASH	#01	2
0000		
CHARGE	#02	
0000		
CHECK	#03	
0000		
CREDIT	#04	
0000		
-	#07	3
%-	#08	
0000	0%	
T/S1	#23	4
0100		
T/S2	#24	
0200		
10200	0	5
10800	0	6
10900	0	7
0001-22	000012	8
0002-22	000000	
0003-22	020730	
0004-22	000101	
0005-22	501300	
	000000	

- 1 Dept. name and price
- 2 Transaction key setting
- 3 Reduction and discount settings
- 4 Tax shift settings
- 5 Receipt/Journal setting
- 6 Key catch tone setting
- 7 Storing in SD card setting
- 8 Set code and set data

# Advanced features

0028-22		
MARRY	#01	9
JOHN	#02	
MAC	#03	
CLERK04	#04	
CLERK05	#05	
CLERK06	#06	
CLERK07	#07	
CLERK08	#08	
0001-25		10
TAX1	5%	
TAX1	0000	
TAX1	5003	
0002-25		
TAX2	10%	
TAX2	0000	
TAX2	5003	
0003-25		
TAX3	15%	
TAX3	0000	
TAX3	5003	
0004-25		
TAX4	20%	
TAX4	0000	
TAX4	5003	
CASIO	#01	11
	#02	
YOUR RECEIPT		
THANK YOU	#03	
	#04	
CALL AGAIN		
	#05	
STATES	#06	

- 9 Clerk names settings
- 10 Tax rate settings
- 11 Receipt message settings

■ To check PLU settings



Step

- 1 While Mode switch is in PGM position, enter **1 0** and press **SUB TOTAL** key.  
Unit prices and item names preset to PLUs are printed.

Operation

**1 0** **SUB TOTAL**

	21-01-2015	17:05	
	P01	000030	
1	APPLE	#0001	3
2	01	@1.80	4
	ORANGE	#0002	
	01	@2.50	
	STRAWBERRY	#0003	
	01	@3.20	
	PINEAPPLE	#0004	
		@18.30	

- 1 PLU item name
- 2 Linked Dept.
- 3 PLU No.
- 4 PLU unit price

# Advanced features

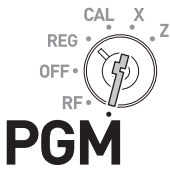
## To record business journal

### To use journal paper

Instead of issuing receipts, you can roll the printouts of transactions on the take up reel so that you can use the printouts as business journal.

#### ■ Programming to print business journal

The following operations set the Cash Register to print business journal. By this setting, the printer omits receipt message, and the take up reel rolls the paper up.

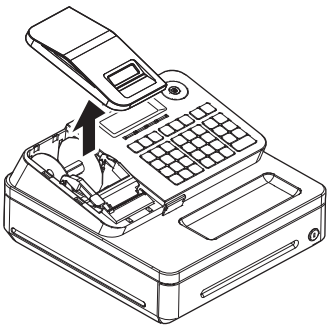


Step	Operation	Printout
1 Turn the Mode switch to PGM position and press <b>1</b> and <b>SUB TOTAL</b> keys to make the Register in the program mode.	<b>1</b> <b>SUB TOTAL</b>	<div>21-01-201511:45 P01000005 PRINTERJOURNAL</div>
2 Press <b>1</b> and <b>CH</b> keys. The Register is set as journal printer.	<b>1</b> <b>CH</b>	
3 Press <b>SUB TOTAL</b> key to complete the setting.	<b>SUB TOTAL</b>	

**NOTE** If you wish to resume receipt printing press **0** and **CH** keys in step 2.

### ■ Setting journal paper

1 Remove the printer cover by lifting it up.

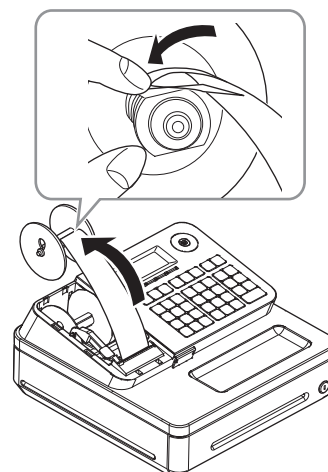


2 Press **FEED** key so that the paper is fed about 15 centimeters.

3 Remove the left side plate from the take up reel.



- 4 Clip the paper between the shaft and hook by rolling the paper from top of the hook.
- 5 Roll the reel a few turns so that it holds the paper securely. After then replace the left side plate.



- 6 Place the take up reel behind the printer. Be sure that the shaft of the reel is in the groove of the compartment. Press **FEED** key to reduce a slack of the paper. Make sure that the paper is rolled securely.
- 7 Replace the printer cover.

### ■ Compressed journal print

To save the paper, you can set the Register to print journals with compressed numbers and characters. To set compressed journal printing, press [PAPER SAVING] key while the Register is programmed to be journal printer.

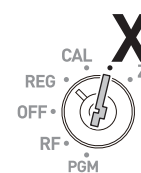


21-01-2015	18:00
REG	000027
DEPT01	- 10.00
DEPT02	- 20.00
DEPT03	- 30.00
CASH	- 60.00





**NOTE** To resume normal journal printing, press [PAPER SAVING] key again.

## Electronic journal

The Cash Register stores daily transactions in the memory and, you can call transactions in specific date.



### ■ To call business journal of specific date

Step	Operation	Printout
1	Turn the Mode switch to X position and press <b>5 8</b> and press  keys.	21-01-2015 15:30 X 000025
2	Input the date you wish to call in order of DD/MM/YY and press  key. The example on the right is January 21 2015. If you wish to obtain all the past sales data, just press  key without entering date.	0058 EJ X  21-01-2015 13:15 P01 000020 21-01-2015 13:18 X 000021 0000 DAILY X 21-01-2015 14:42 REG 000015 DEPT01 ·1.00 DEPT02 ·2.00 DEPT03 ·3.00 CASH - 6.00
3	If you wish to call specific transaction, input consecutive number of the transaction. If not, press  key. The Register prints transactions of the specific date.	21-01-2015 15:25 X 000024 0000 DAILY X 21-01-2015 15:30 X 000025 0058 EJ X

### ■ To clear electronic journal data

Perform the above operations in Z mode.

**NOTE** To save electronic journal data in an SD card, follow “Saving sales data and electronic journal data in an SD card” (page 76) first.

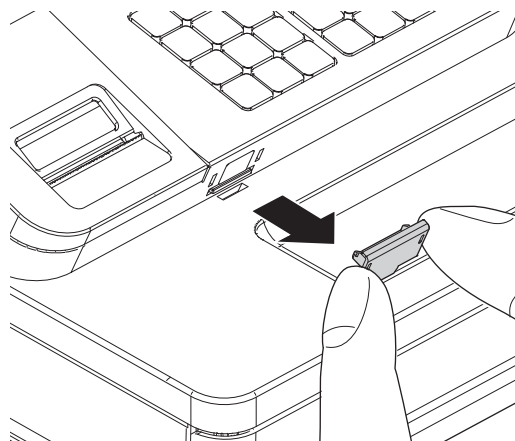
## To utilize an SD card

### To insert an SD card

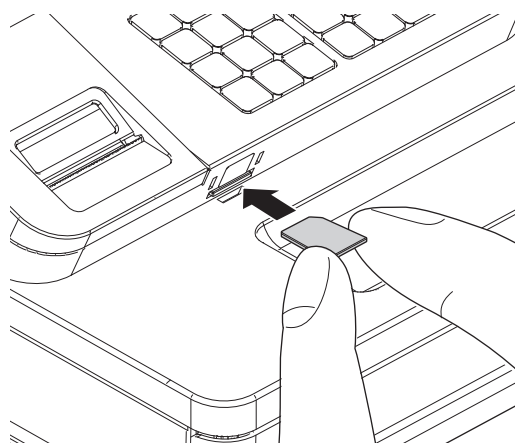
#### Important

- Insert the SD card in the direction so that the label of the card is facing upward.
- To extract the SD card, turn the Mode switch off and push the card once lightly. As the card will be popped out, pull it out.

**1** Open the SD card compartment cover.



**2** Insert an SD card all the way into the SD card slot. Diagonally cut part should be right upper corner.



# Advanced features

## To save or recall data in or from SD card

### ■ Saving sales data and electronic journal data in an SD card

You can store X, Z, or electronic journal data in an SD card.



Step	Operation
1 Turn the Mode switch to PGM position and press <b>1</b> and <b>SUB TOTAL</b> keys.	<b>1</b> <b>SUB TOTAL</b>
2 Enter <b>1 0 9 0 0</b> from ten key pad and press <b>SUB TOTAL</b> key.	<b>1 0 9 0 0</b> <b>SUB TOTAL</b>
3 Input <b>1</b> , <b>2</b> or <b>3</b> key depending on the storing data press <b>= CA/AMT /TEND</b> key after then. <b>0</b> : Does not save in SD card <b>1</b> : For X report <b>2</b> : For Z report <b>3</b> : For X and Z reports	<b>1</b> , <b>2</b> or <b>3</b> <b>= CA/AMT /TEND</b>
4 Issue the report you wish to store. After issuing, selected data is saved in the SD card. <ul style="list-style-type: none"> <li>• Daily Z report</li> <li>• Periodic X report</li> <li>• Periodic Z report</li> <li>• PLU X report</li> <li>• PLU Z report</li> </ul>	

### ■ To back up Cash Register settings

You can back up the set data you have programmed in an SD card.

Step	Operation	Printout
1 While Mode switch is in PGM position, press <b>7</b> and <b>SUB TOTAL</b> keys.	<b>7</b> <b>SUB TOTAL</b>	<div> 21-01-2015 17:15  P07 000010  ----- ( 4114 )-----  SD  Data Backup Normal End  ----- </div>
2 Enter <b>4 1 1 4</b> keys from ten key pad and press <b>SUB TOTAL</b> key.	<b>4 1 1 4</b> <b>SUB TOTAL</b>	
3 Press <b>= CA/AMT /TEND</b> key. After for a while, Cash Register prints "Data Backup Normal End".	<b>= CA/AMT /TEND</b>	

■ To restore backed up program data from SD card

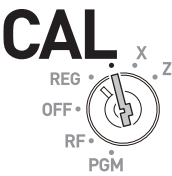
Step	Operation	Printout
1 While Mode switch is in PGM position, press <b>7</b> and <b>SUB TOTAL</b> keys.	<b>7</b> <b>SUB TOTAL</b>	<div>21-01-201517:18 P07000011  ----- ( 4104 )----- SD Data Restore Normal End -----</div>
2 Enter <b>4 1 0 4</b> keys from ten key pad and press <b>SUB TOTAL</b> key.	<b>4 1 0 4</b> <b>SUB TOTAL</b>	
3 Press <b>= CA / AMT / TEND</b> key. After for a while, Cash Register prints “Data Restore Normal End”.	<b>= CA / AMT / TEND</b>	

# Advanced features

## Calculator mode

### To use Cash Register as a Calculator

Using  $\boxed{+1}$ ,  $\boxed{-2}$ ,  $\boxed{\times 3}$ ,  $\boxed{\div 4}$ ,  $\boxed{AC\ C}$ ,  $\boxed{RA/MR}$  and  $\boxed{= CA/AMT/TEND}$  keys, you can use the Cash Register as a Calculator. You can also use the calculator during registrations.



#### Example 1

Sample calculation	Operation	Display
$5 + 3 - 2 =$	$\boxed{5} \boxed{+1} \boxed{3} \boxed{-2} \boxed{2} \boxed{= CA/AMT/TEND}$	<div><div>=</div><div>6.</div></div> <div>RPTT1T2T3T4TOTAL CHANGE</div>
$(23 - 56) \times 78 =$	$\boxed{2} \boxed{3} \boxed{-2} \boxed{5} \boxed{6} \boxed{\times 3} \boxed{7} \boxed{8} \boxed{= CA/AMT/TEND}$	<div><div>=</div><div>-2574</div></div> <div>RPTT1T2T3T4TOTAL CHANGE</div>
12 percent on .1500	$\boxed{1} \boxed{5} \boxed{0} \boxed{0} \boxed{\times 3} \boxed{1} \boxed{2} \boxed{\% CLK\#}$	<div><div></div><div>180</div></div> <div>RPTT1T2T3T4TOTAL CHANGE</div>

# Advanced features

## Example 2



### Sample Operation

Item	Dept. 01	•12.50	Three customers consumed items totaled •36.75 and the customers split the charge.
	Dept. 02	•9.50	
	Dept. 03	•14.75	
Total amount		•36.75	
Number of customers		3	
Payment per person	Cash	•12.25	

Step	Operation	Printout
1 In REG mode, register the items. Display indicates total amount.	<Mode switch: REG> 1 2 5 0 + 1 9 5 0 - 2 1 4 7 5 × 3	<div>21-01-2015 18:25 REG 000029  DEPT01 · 12.50 DEPT02 · 9.50 DEPT03 · 14.75 TOTAL - 36.75 CASH · 12.25 CASH · 12.25 CASH · 12.25 CHANGE · 0.00</div>
2 Turn the Mode switch to CAL position and press  key to recall the total amount.	<Mode switch: CAL> 	
3 Divide the total amount by three. The display shows the amount for each customer.	÷ 4 3 = CA / AMT / TEND	
4 Turn the Mode switch to REG position and finalize the transaction by recalling the charge per customer.	<Mode switch: REG> = CA / AMT / TEND = CA / AMT / TEND = CA / AMT / TEND	

## Specifications

Entry	10-key system; Buffer memory 8 keys (2-key roll over)
Main display	20 characters x 1 line 10-digit numeral x 1 line
Customer display	Amount 8 digits (zero suppression)
PRINTER	
Receipt/Journal	Thermal alpha-numeric system 24 digits, receipt on/off key
Paper roll	58 (W) x 80 (D) mm
Paper feed	Receipt or Journal
Print speed	10 lines/second max.
Listing capacity	
Amount	99999999
Quantity	9999.999
Tendered amount	9999999999
Percent	99.99
Tax rate	9999.9999
Numbers	9999999999
Chronological data	
Date print	Automatic date printout on receipt or journal, automatic calendar
Time print	Automatic time printout on receipt or journal, 24-hour system
Alarm	Key catch tone, error alarm
Memory protection battery	The effective service life of memory protection batteries (two new size AA manganese batteries) is approximately one year from installation into the machine.
Power supply/power consumption	See the rating plate.
Operation temperature	0°C to 40°C (32°F to 104°F)
Humidity	10 to 90%
Dimensions	180 mm (H) x 410 mm (W) x 450 mm (D) with medium size drawer. 167 mm (H) x 326 mm (W) x 345 mm (D) with small size drawer.
Weight	7.3 kg with medium size drawer 3.3 kg with small size drawer.
Accessories	Paper roll, Mode keys, Drawer key, Bill clip plate, Quick Start Guide

\* Specifications and design are subject to change without notice.



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## Character code

Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code
Space	32	0	48	@	64	P	80	'	96	p	112	Ç	128
!	33	1	49	A	65	Q	81	a	97	q	113	ü	129
"	34	2	50	B	66	R	82	b	98	r	114	é	130
#	35	3	51	C	67	S	83	c	99	s	115	â	131
\$	36	4	52	D	68	T	84	d	100	t	116	ä	132
%	37	5	53	E	69	U	85	e	101	u	117	à	133
&	38	6	54	F	70	V	86	f	102	v	118	å	134
'	39	7	55	G	71	W	87	g	103	w	119	ç	135
(	40	8	56	H	72	X	88	h	104	x	120	ê	136
)	41	9	57	I	73	Y	89	i	105	y	121	ë	137
*	42	:	58	J	74	Z	90	j	106	z	122	è	138
+	43	;	59	K	75	[	91	k	107	{	123	ï	139
,	44	<	60	L	76	\	92	l	108		124	î	140
-	45	=	61	M	77	]	93	m	109	}	125	ì	141
.	46	>	62	N	78	^	94	n	110	~	126	Ä	142
/	47	?	63	O	79	_	95	o	111		127	Å	143

Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code
É	144	á	160	■	176	ℒ	192	ø	208	Ó	224	-	240
æ	145	í	161	■	177	⊥	193	Ð	209	ß	225	±	241
Æ	146	ó	162	■	178	⊥	194	Ê	210	Ô	226	_	242
ô	147	ú	163		179	⊥	195	Ë	211	Ò	227	3/4	243
ö	148	ñ	164	⊥	180	—	196	È	212	õ	228	¶	244
ò	149	Ñ	165	Á	181	+	197	€	213	Õ	229	§	245
û	150	ª	166	Â	182	ã	198	Í	214	μ	230	÷	246
ù	151	º	167	À	183	Ã	199	Î	215	þ	231	„	247
ÿ	152	¿	168	©	184	ℒ	200	Ï	216	Þ	232	°	248
Ö	153	®	169	⊥	185	⊥	201	⊥	217	Ú	233	“	249
Ü	154	¬	170		186	⊥	202	⊥	218	Û	234	•	250
ø	155	1/2	171	⊥	187	⊥	203	■	219	Ù	235	¹	251
£	156	1/4	172	⊥	188	⊥	204	■	220	ý	236	³	252
Ø	157	¡	173	¢	189	—	205		221	Ý	237	²	253
×	158	«	174	¥	190	+	206	ì	222	—	238	■	254
f	159	»	175	ı	191	α	207	■	223	'	239	Double size	255

## ■ Arabic

Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code
°	128	ß	144		160	•	176	Φ	192	ذ	208
·	129	∞	145		161	١	177	ء	193	ر	209
•	130	ø	146		162	٢	178	أ	194	ز	210
√	131	±	147	£	163	٣	179	إ	195	س	211
■	132	½	148	¤	164	٤	180	ؤ	196	ش	212
—	133	¼	149	ل	165	٥	181	ع	197	ص	213
	134	≈	150	!	166	٦	182	ف	198	ض	214
†	135	«	151	ل	167	٧	183	ا	199	ط	215
‡	136	»	152	ل	168	٨	184	ب	200	ظ	216
‡	137	لا	153	ب	169	٩	185	ة	201	ع	217
‡	138	لا	154	ت	170	ف	186	ت	202	غ	218
‡	139	لا	155	ث	171	:	187	ث	203		219
‡	140	لا	156	,	172	س	188	ج	204	ﻻ	220
‡	141	لا	157	ج	173	ش	189	ح	205	÷	221
‡	142	لا	158	ح	174	ص	190	خ	206	×	222
‡	143	ل	159	خ	175	؟	191	د	207	ع	223

Chara	Code	Chara	Code
—	224	ء	240
١	225	ء	241
٢	226	ن	242
٣	227	هـ	243
٤	228	هـ	244
٥	229	ي	245
٦	230	ي	246
٧	231	غ	247
٨	232	قا	248
٩	233	لا	249
١٠	234	لا	250
١١	235	ل	251
١٢	236	ل	252
١٣	237	ي	253
١٤	238	-	254
١٥	239	Double size	255

# Appendix

## ■ Vietnamese

Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code
space	32	@	64	Ă	96	À	128	Õ	160	À	192	à	224
!	33	A	65	a	97	Á	129	ă	161	Á	193	á	225
“	34	B	66	b	98	Â	130	à	162	Â	194	â	226
#	35	C	67	c	99	Ã	131	ă	163	Ã	195	ã	227
\$	36	D	68	d	100	Ä	132	á	164	Ä	196	ä	228
%	37	E	69	e	101	Å	133	à	165	Å	197	å	229
&	38	F	70	f	102	Ä	134	ă	166	ă	198	ŭ	230
‘	39	G	71	g	103	Å	135	â	167	ă	199	ă	231
(	40	H	72	h	104	Ě	136	ě	168	Ě	200	è	232
)	41	I	73	i	105	Ė	137	ę	169	É	201	é	233
*	42	J	74	j	106	Ě	138	é	170	Ê	202	ê	234
+	43	K	75	k	107	È	139	è	171	Ë	203	ë	235
,	44	L	76	l	108	Ě	140	ě	172	Ì	204	ì	236
-	45	M	77	m	109	Ě	141	ě	173	Í	205	í	237
.	46	N	78	n	110	Ė	142	ę	174	Ī	206	ĩ	238
/	47	O	79	o	111	Ó	143	ó	175	ÿ	207	ÿ	239
0	48	P	80	p	112	Ò	144	ò	176	Đ	208	đ	240
1	49	Q	81	q	113	Ö	145	ö	177	ŭ	209	ŭ	241
2	50	R	82	r	114	Õ	146	õ	178	Ò	210	ò	242
3	51	S	83	s	115	Ơ	147	Ơ	179	Ó	211	ó	243
4	52	T	84	t	116	Ơ	148	Ơ	180	Ô	212	ô	244
5	53	U	85	u	117	Ơ	149	ộ	181	ạ	213	ơ	245
6	54	V	86	v	118	Ờ	150	ờ	182	ỷ	214	ỏ	246
7	55	W	87	w	119	Ờ	151	ở	183	ừ	215	ợ	247
8	56	X	88	x	120	Ị	152	ị	184	ử	216	ự	248
9	57	Y	89	y	121	Ỗ	153	Ự	185	Ừ	217	ù	249
:	58	Z	90	z	122	Ỗ	154	Ự	186	Ú	218	ú	250
;	59	[	91	Ỡ	123	Ỉ	155	Ự	187	Ỡ	219	ũ	251
<	60	Ă	92	Ỡ	124	Ừ	156	Ự	188	Ỡ	220	ủ	252
=	61	]	93	Ỡ	125	Ừ	157	ợ	189	Ỡ	221	ý	253
>	62	^	94	Ỡ	126	Ự	158	ớ	190	Ờ	222	ợ	254
?	63		95	Ă	127	Ỡ	159	Ự	191	ừ	223		255

## Error code

Error code	Guidance on the display	Cause	Solution
E001	Wrong mode	Mode switch position has been changed before finalization.	Return the Mode switch to its original setting and finalize the operation.
E008	Please sign on	Registration without entering a clerk number.	Input a clerk number.
E010	Close the platen arm	Platen arm is not closed.	Close the platen arm firmly.
E014	Paper end	There is no paper.	Insert paper.
E029	In the tender operation	Item registration is prohibited while partial tendering.	Finalize the transaction.
E046	REG buffer full	Register buffer is full.	Finalize the transaction.
E081	EJ Full	Electronic journal memory is full.	Print reset (Z) report of electronic journal.
E090	Totals remain in the memory	Totals not cleared at the end of the day.	Perform reset (Z) reporting.
E100	Insert SD	No SD card is inserted.	Insert an SD card.
E101	Illegal Format	SD card is not formatted correctly.	Format the SD card.
E102	File not found	There is no relevant file in the SD card.	Create the file in the SD card.
E103	SD memory full	No space in the SD card.	Create space in the SD card.
E104	Check the write protect switch	Write protect switch of the SD card is on.	Turn the write protect switch off.
E109	SD card Error End	SD card error	Format or replace the SD card.
E139	Negative balance is not allowed	The result of the transaction is minus.	Register properly

## About sales data storage in an SD card

Storing sales data in an SD card depends on the setting of 10900 Saving sales data and electronic journal data in an SD card.

### ■ Totalizers to store sales data

The following files data are subject to be stored. Group range, department range, or flash report data will not be stored.

001	Fixed adder
002	Free function
004	PLU
005	Department
011	Clerk
020	Grand total

### ■ Folder and file names of stored sales data

<Folder name>

\CASIO\SES100\XZ\yyyy\mm\

yyyy: Year

mm: Month

<File name>

Xxxx\_dda.CSV

X: Mode X or Z

xxx: 3-digit file number

dd: date

a: Identifier for the same file name

The first save of the day: none

The second save (in the same folder) of the day: A

The fourth save (in the same folder) of the day: B

↓

The 27th save (in the same folder) of the day: Z

The 28th save (in the same folder) of the day: Error (SD CARD FULL error)

<Example>

File names of lump X report

Issuing lump X report on March 13, 2015.

↓

↓ The following files are created.

↓

\CASIO\SES100\XZ\2015\03\X001\_13.CSV  
X002\_13.CSV  
X005\_13.CSV  
X011\_13.CSV

↓

Issuing lump X report on the same day.

↓

\CASIO\SES100\XZ\2015\03\X001\_13A.CSV (with the extension "A")  
X002\_13A.CSV (ditto)  
X005\_13A.CSV (ditto)  
X011\_13A.CSV (ditto)

## ■ CSV file format of the sales data

Sales data are stored in the CSV format as described below.

Number of fields vary by the type of the totalizer.

"MACHINE	" , "MC#01	"
"MODE	" , "X	"
"Z COUNTER	" , "0000"	
"DATE	" , "16-03-2015"	
"TIME	" , "21:39"	
"RECORD	" , "DESCRIPTOR	" , "QUANTITY/No
"0001" , "GROSS	" , "0" , "0.00"	" , "AMOUNT
"0002" , "NET	" , "0" , "0.00"	
"0003" , "CAID	" , "0" , "0.00"	
~	~	~

## ■ Folder and file names of electronic journal

<Folder name>

\CASIO\SES100\XZ

<File name>

EJddmmyy.TXT

EJ.....Fixed

dd.....Date

mm...Month

yy.....Year

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