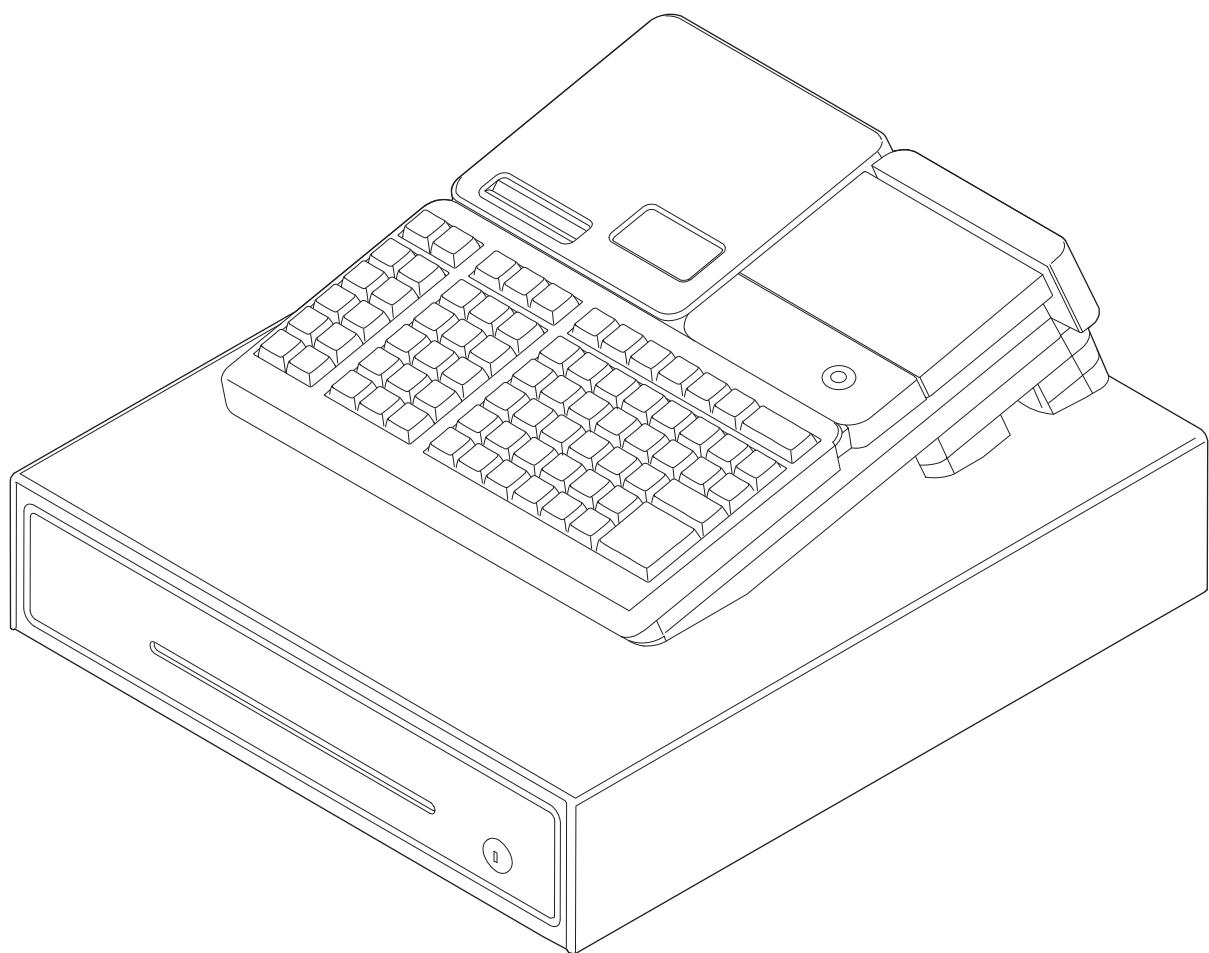


**CASIO**<sup>®</sup>

Complete Manual

**PCR-T2500**  
**PCR-T2600**  
**SR-S4000**  
**SR-S920**

Electronic Cash Register



(M 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".

### IMPORTANT

For programming assistance please visit  
[http://casio4business.com/sa\\_index.html](http://casio4business.com/sa_index.html)

### CASIO Authorized Service Centers

If your CASIO product needs repair, or you wish to purchase replacement parts, please visit <http://casio-4business.com>.

### 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, 50/60 Hz). Do not overload the outlet by plugging in too many appliances.

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.

### Trademark



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



The Bluetooth wordmark and logo are registered trademarks of Bluetooth SIG, Inc. and are used by permission granted to Casio Computer as a certified logo user.

### Interference with the Operation of Other Equipment (Using Wireless Data Communication)



- Keep your Cash Register well away from anyone wearing a pacemaker. Radio waves emitted by the Cash Register can affect the operation of a pacemaker.

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# Safety Precautions

- Please read this “Safety Precautions” thoroughly and use the product accordingly.
- 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>	This symbol indicates the contents that may cause death or serious injury to a person when the product is misused ignoring this symbol.
<b>⚠ Caution</b>	This symbol indicates the contents that may cause injury to a person or property damage when the product is misused ignoring this symbol.

- The “pictorial indications” in this manual have the following meanings.

	△ This symbol means “to be careful = caution”. The example at left is “caution for electrical shock”.
	○ This symbol means “must not do = prohibited”. The example at left is “prohibited to disassemble”.
	● This symbol means “something must be done = instruction”. The example at left is “disconnect the power plug from the outlet”. The “instructions difficult to express in picture” 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

### Power Cords and Plugs



- Do not twist, pull, heat, modify, or place anything heavy on the power cord. This may damage the power cord and result in fire or electrical shock.
- Refrain from routing cords under this product. If the power cord is damaged, it may cause a fire or an electrical shock.
- Contact the dealer or the CASIO service representative when the power cord is damaged (wire is exposed or disconnected). Using the power cord in such condition may result in fire or electrical shock.
- Securely insert the power plug all the way.
- Do not touch the power plug with wet hands. This may result in electrical shock.

# Safety Precautions

## ⚠ Warning

### Power supply voltage



- Do not use with any voltage other than the indicated power supply voltage. This may result in fire or electrical shock.
- Do not overload the outlet with wires. This may result in fire or electrical shock.

### Do not disassemble or modify



- Do not disassemble or modify the product. There are high voltage parts and sharp parts inside. Touching them may result in injury or electric shock, or cause a malfunction or fire.

### Do not let any foreign object or water get inside



- Do not insert or drop metal object or flammable object inside from the opening.
- Do not spill any liquid such as water from a flower vase, coffee, juice, etc., inside this product.
- Disconnect the power plug from the outlet and contact the dealer where the product was purchased or the CASIO service representative when a foreign object or water got inside the product. Using the power cord in such condition may result in fire or electrical shock.



### Do not use the product in abnormal condition



- It may result in fire or electrical shock when the product is used in abnormal condition such as overheating, it is smoking, have strange odor, etc. Immediately disconnect the power plug from the outlet and contact the dealer where the product was purchased or the CASIO service representative.

## ⚠ Caution

### Installation location



- Do not place in unstable locations such as on an unsteady table or an inclined location. It could fall and cause injure.
- Do not place in a location with high humidity or dust. This may result in fire or electrical shock.
- Do not place in a location exposed to oil smoke or humidity such as close to cooking table or humidifier. This may result in fire or electrical shock.
- Do not place in a location close to heating devices such as a stove or a heater, or location directly exposed to hot air. This may result in fire.
- The main plug on this equipment must be used to disconnect mains power.
- Select the outlet where the power cord of this product is easily reached, and plug/unplug of the power plug can easily be performed.

### Do not place anything on top



- Do not place flower vase or flower pot, cup or container with liquid, or metal object.
- Do not place anything that is hot such as cigarette.
- Do not place anything heavy.
- Do not place your hands and lean on the product.

# Safety Precautions

## Caution

### When moving the product



- Always disconnect the power plug from the outlet before moving.
- Always hold onto the plug when unplugging the power plug.
- Pulling on the power cord may damage the cord, resulting to fire or electrical shock.

### LCD



- Do not press hard on the LCD or apply strong impact. This may crack the glass on the LCD, resulting to injury.
- Never touch the liquid from inside when the LCD is cracked. This may result in irritation to the skin.
- Immediately rinse the mouth and contact the physician when the liquid inside the LCD gets inside the mouth.
- Rinse for minimum of 15 minutes with clean running water and contact the physician when the liquid inside the LCD gets in the eye or on the skin.

### Adjustment of display



- Do not put your hands at the back of the display while it is moving to adjust its angle. Doing so may result in an injury.
- Do not put your fingers between the sub display and the product when you put it back. Doing so may result in an injury.

### Drawer



- Take caution with the face of a child or pregnant person when opening a drawer.
- Do not lean on the drawer when the drawer is opened. It could fall and cause injure.



### When changing the roll paper



- Beware of your hair or scarf not to get caught in a gear or the platen arm while you are changing the roll paper.
- Do not touch the head of the printer. Doing so may result in an injury or burn.
- Do not oils to adhere to the paper roll or paper holder. Doing so may cause printing errors.

### Cleaning



- Unplug the power plug from the outlet for safety when cleaning.
- Clean the blades and surrounding of the blades of the power plug with a dry cloth at least once a year. Dust accumulation may result in fire. Do not use detergent to clean the power plug.



### When not using for a long period



- Unplug the power plug from the outlet for safety when not using this product for a long period such as consecutive holidays.

# Safety Precautions

## Caution

### 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.

# Precautions for Use

Read the following items thoroughly and use this product properly. CASIO bears no responsibility whatsoever for malfunction or damage caused by handling not following below contents. Please note that it will also result in charged repair, and actual cost required for repair will be charged, even if it is within the warranty period.

## ■ Installation Location

Do not place in a hot or dusty location, or in any location exposed to oily smoke or water. Never store or leave in following locations. This could erase the memory and cause a malfunction or result in deformation of the case.

- Temperature of 0°C or lower
- Inside vehicles in summer
- Close to air conditioner
- Under direct sunlight
- Temperature of 40°C or higher

Avoid using this product in following locations.

- Outdoor
- Close to equipment that will become hot such as range, electrical heater, etc.
- Location exposed to water or steam
- Location with severe change in environment such as temperature, humidity, etc.
- Location where corrosive gas or saline matter is generated
- Location where dirt or dust is generated
- Location with vibration
- Location prone to static electricity

## ■ Others

- Prepare separate AC power supply from the power line for motor, ice maker, microwave oven, etc., which may generate noise.
- Do not touch the power switch with wet hands. This may result in electrical shock.
- Wipe thoroughly with dry cloth, etc., when there is any water droplet on the device.
- Do not use any volatile chemical such as thinner, benzine, cosmetics, etc., for cleaning. Wipe with dry soft cloth when this product gets dirty. The display section may be scratched when scuffed strongly with a cloth.
- When the capacity of the internal memory protection battery is insufficient and there is no power supply available due to a power outage, malfunction or other reason, the memory content might be erased.

# Precautions for Use

## ■ Take Advance Notice of the Following

- The content of this manual may be changed without prior notice due to improvement or specification change of the product.
- Please note that CASIO bears no responsibility for damage, loss of profit, or any claim from third party due to loss or change of data caused by usage, malfunction, or repair of this product.
- The copyright for this manual and all rights related to the software described in this manual are the property of CASIO Computer Co., Ltd. The unauthorized reproduction of this manual in whole or part is prohibited without the written permission of CASIO.
- The content of this manual was created with all possible care, but please contact us if there is any unclear point, mistake, omission, etc., in this manual.
- The screen or illustration used in this manual may be different from the actual product. The keys and icons are described in simplified manner.

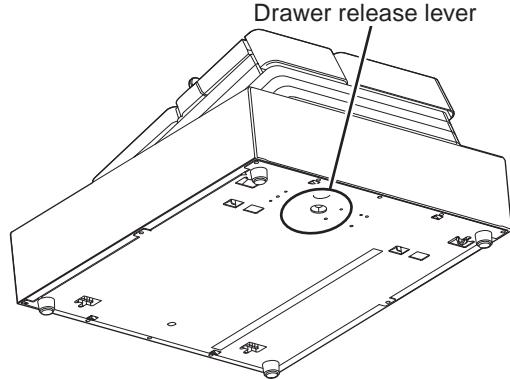
### • Weld Line

The line on the exterior of the product is called “weld line”, which is created at the time of plastic forming, and it is not a crack or a scratch. This will not interrupt the usage.

## ■ 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 the figure on the right).

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



# To use the cash register's basic function

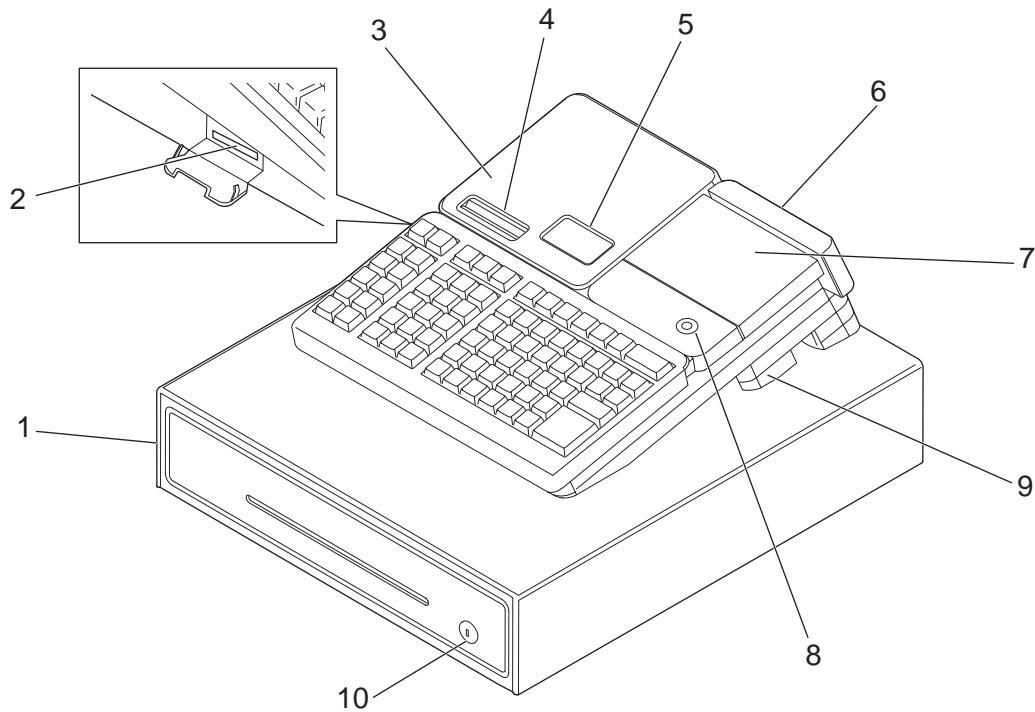
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# To use the cash register's basic function

## Getting started

This chapter shows how to setup the cash register and get it ready to operate.

### Name of Parts



1	Drawer	6	Customer display
2	SD card slot cover	7	Main display
3	Printer cover	8	Mode switch
4	Receipt printer	9	COM port connector cover
5	Journal printer	10	Drawer lock

# To use the cash register's basic function

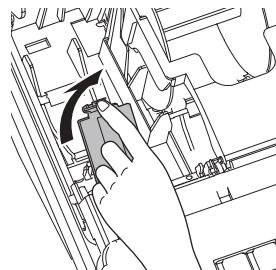
## Loading memory protection batteries

**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.

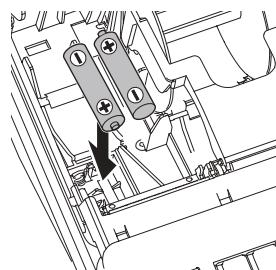
- 1 Remove the printer cover.



- 2 Remove the battery compartment cover.



- 3 Note the (+) and (-) markings in the battery compartment. Load a set of two new "AA" type alkaline batteries so that their plus (+) and minus (-) ends are facing as indicated by the markings.



- 4 Replace the battery compartment cover and the printer cover.

### Warning

---

- No battery is included in the accessories.
- 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 of used batteries according to the instructions.

# To use the cash register's basic function

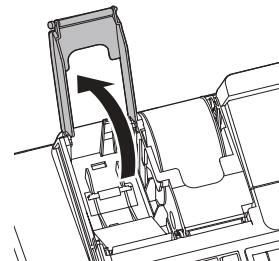
## Installing paper roll

### Caution (in handling the thermal paper)

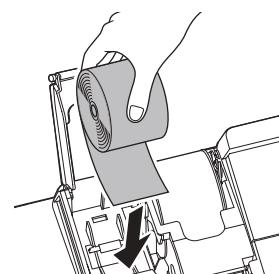
- Never touch the printer head and the platen.
- Unpack the thermal paper just before your use.
- Avoid heat and direct sunlight.
- Avoid dusty and humid places for storage.
- Do not scratch the paper.
- Do not keep the printed paper under the following circumstances:
  - High humidity and temperature/direct sunlight/contact with glue, thinner or a rubber eraser.

### ■ To install receipt paper

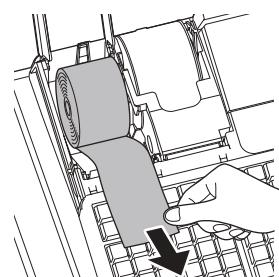
- 1 Remove the printer cover.
- 2 Open the platen arm by lifting it up.



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



- 4 Put the leading end of the paper over the printer.



- 5 Close the platen arm slowly until it locks securely. Please push the position marked [PUSH HERE].

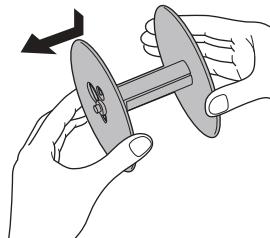
- 6 Replace the printer cover, passing the leading end of the paper through the cutter slot. Tear off the excess paper.



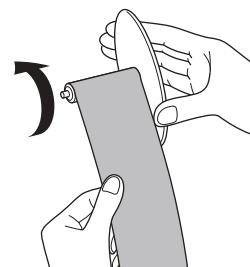
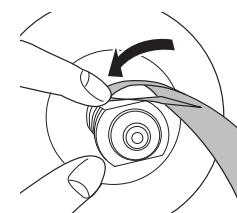
# To use the cash register's basic function

## ■ To install journal paper

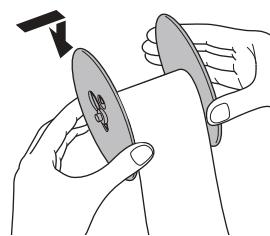
- 1 By the same procedure of setting receipt paper, set journal paper on the journal printer.
- 2 Remove the paper guide of the take-up reel.



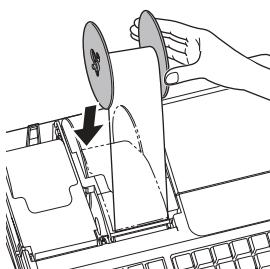
- 3 Slide the leading end of the paper into the groove on the spindle of the take-up reel and wind it onto the reel two or three turns.



- 4 Replace the paper guide of the take-up reel.



- 5 Place the take-up reel into place behind the printer, above the roll paper.

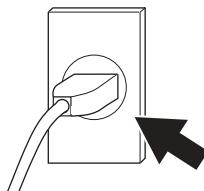


# To use the cash register's basic function

## To set the language, date, time, tax rates and Bluetooth pairing

### 1 Plug in the power socket into a wall outlet.

Be sure to check the rating plate on the side of the cash register to make sure that its voltage matches that of the power supply in your area.



### 2 As soon as the power socket is plugged in, the display shows the language selection display. Choose your language by using $\Delta$ or $\nabla$ keys then press **CA/AMT/TEND** key.

PLEASE SELECT LANGUAGE.	
<CA/AMT TEND> :ENTER	
English	
Español	

**NOTE**

- Actual display shows characters in white on blue background.
- Selectable languages and countries depend on the cash register model.

### 3 Display changes to date and time setting display. Moving the input area (reversed area) by $\Delta$ or $\nabla$ keys, input date, month, year and time from ten key pad. Input the time by 24 - hour system. For example, 1356 for 1:56 pm. After then press **CA/AMT/TEND** key.

PLEASE INPUT DATE & TIME.	
<CA/AMT TEND> :ENTER	
<SUBTOTAL> :RETURN	
DATE	[DD]
MONTH	[MM]
YEAR	20[YY]
TIME(24-hour)	[HHMM]

For the Canadian model, select your state on the state selection screen. The display then asks whether or not to use the Canadian rounding system. Set the necessary settings by following the instructions on the screen.

### 4 Display then changes to tax table selection display. Using ten key pad, input tax rates. You can set four kinds of tax rates.

PLEASE SELECT TAX TABLE.	
<CA/AMT TEND> :ENTER	
<SUBTOTAL> :RETURN	
NON SELECT	
ALBERTA	
BRITISH COLUMBIA	
MANITOBA	
NEW BRUNSWICK	

### 5 Press **CA/AMT/TEND** key. Replace the printer cover.

PLEASE INPUT TAX RATE.	
<CA/AMT TEND> :ENTER	
<SUBTOTAL> :RETURN	
Rate	
Tax1	[ 3 ]
Tax2	[ 5.25 ]
Tax3	[ 8.5 ]
Tax4	[ 15 ]

# To use the cash register's basic function

**6** Using a smartphone application, you can perform cash register settings by pairing with a smartphone via Bluetooth connection.

If you wish to use the smartphone application, select [YES] and pair with a smartphone. If you do not wish to pair with a smartphone via Bluetooth connection, select [NO]. You can pair with a smartphone and use the application later on in PGM mode.

The followings are the procedures when you select [YES].

**7** Activate Bluetooth on your smartphone. On the smartphone, find and select the device code of the cash register shown on the display. In this example, 12345678901234.

Note that the device code differs depending on each cash register. Make sure to select the same code shown on the cash register display.

**8** After you select the device code on the smartphone, the cash register then shows a pass key on the display. Enter the pass key (in this example, 123456) on the smartphone. Pass key differs depending on each cash register.

**9** Now your cash register and your smartphone are paired by Bluetooth connection.

You can perform detail settings or data exchange using Bluetooth connection.  
Please refer to the website <http://web.casio.com/ecr/app/>.



Do you want to connect mobile via Bluetooth?  
<CA/AMT TEND>

:ENTER

[YES]  
[NO]

Activate Bluetooth on mobile and select below device on the mobile.  
<SUBTOTAL>

:CANCEL

12345678901234

Enter pass key on your mobile.  
<SUBTOTAL>

:CANCEL

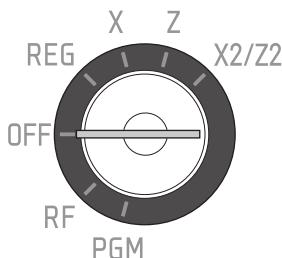
123456

# To use the cash register's basic function

## Getting to know your cash register

### Mode switch

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



#### PGM (Programming)

This position is for setting your cash register to suit the needs of your store.

#### RF (Refund)

Use this position to correct registered items.

#### OFF

The cash register turns off in this position.

#### REG (Register)

This position is for normal transactions.

#### X (Read)

This is the position used for issuing daily sales totals report without clearing the data.

#### Z (Reset)

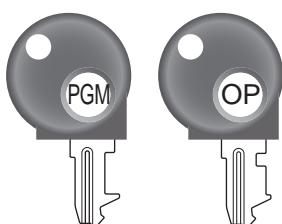
This position is for issuing reports of daily totals with clearing the accumulated totals.

#### X2/Z2 (Periodic sale read/reset)

Used to obtain periodic sales reports without resetting total data.

### Mode keys

There are two types of mode keys: the program key (marked "PGM") and the operator key (marked "OP"). The program key can be used to set the mode switch to any position, while the operator key can select the REG and OFF position.



	PGM	RF	OFF	REG	X	Z	X2/Z2
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.

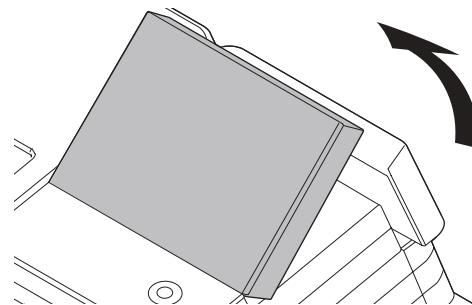
### Magnetic plate

Use this plate for tacking the notes received from customer.

# To use the cash register's basic function

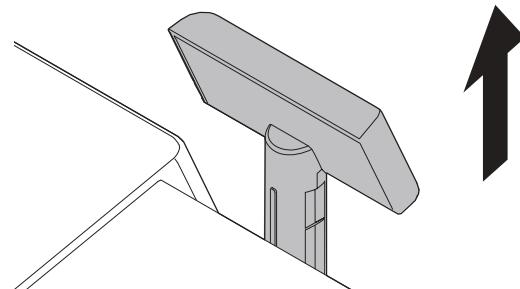
## To adjust the main display

- 1 Put in fingers in the ditch of the main display and tilt it to the angle you can see clearly.

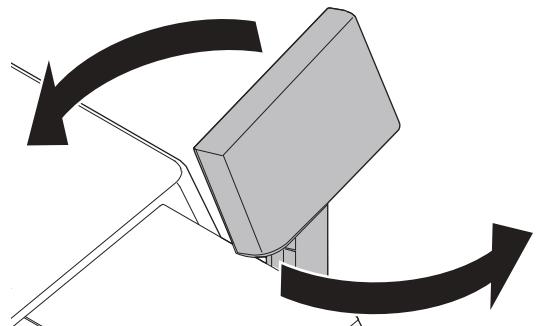


## To set the customer display

- 1 Lift the customer display until it stops.



- 2 Rotate the display so that customers can see it.



# To use the cash register's basic function

## Display

**NOTE** Actual display shows characters in white on blue background.

### ■ Main display

During a registration

C01	REG	000004	1
1 PLU001		\$1.00	2
3 DEPT001		\$6.00	
<b>SUBTOTAL</b>	<b>\$7.00</b>		3
4 QT		6.00	4

After finalization

C01	REG	000004	
1 PLU001		\$1.00	
3 DEPT001		\$6.00	
TL		\$7.00	5
CASH		\$10.00	6
CG		\$3.00	7
<b>CG</b>	<b>\$3.00</b>		8
4 QT		10.00	9

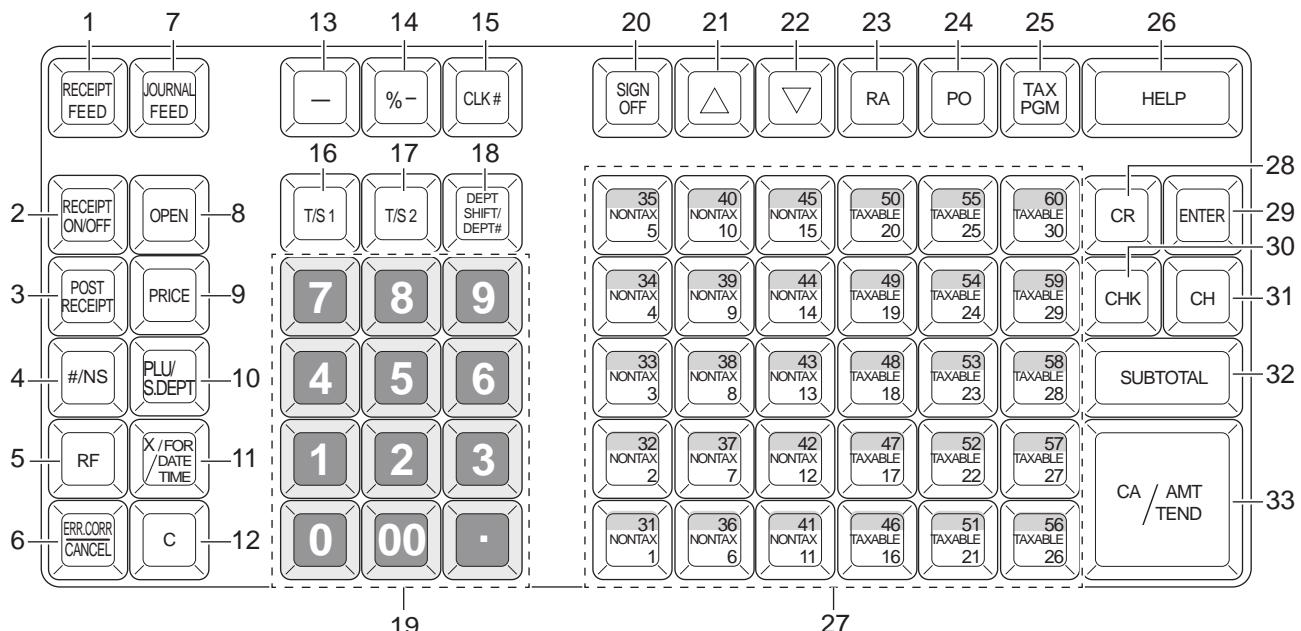
1 Mode/Clerk Number or name/Consecutive No.	5 Total amount
2 Registered item Quantity/Category/Price	6 Paid by/Tendered amount
3 Subtotal amount	7 Change
4 Total quantity/Price of the last item	8 Change
	9 Total quantity/Tendered amount

### ■ Customer display



# To use the cash register's basic function

## Keyboard



- 1 Hold this key down to feed receipt paper from the printer.
- 2 Use this key to switch issuing receipts on and off.
- 3 Use this key to issue a post-finalization receipt.
- 4 Non-add key: Use this key to print reference number (to identify a personal check, credit card, etc.) during a transaction. Use this function after a numeral entry. No sale key: Use this key to open the drawer without any registration.
- 5 Use this key to input refunded amounts or to void preceding inputs.
- 6 Use this key to correct a registration error or to cancel a transaction.
- 7 Hold this key down to feed journal paper from the printer.
- 8 Use this key to temporarily release a limitation on the number of digits for a unit price.
- 9 Use this key to register unit prices for a PLU (subdepartment).
- 10 Use this key to input PLU (subdepartment) numbers.
- 11 Use this key to input a quantity for a multiplication and registration of split sales of packaged items. Between transactions, pressing this key displays the current time and date.
- 12 Use this key to clear an entry that has not yet been registered.
- 13 Use this key to input reduction values.
- 14 Use this key to register discounts.
- 15 Use this key to input a clerk number.
- 16 Use this key without a numeric entry to change the taxable 1 status of the following item.

## To use the cash register's basic function

17  Use this key without a numeric entry to change the taxable 2 status of the following item.

18  Department no. Use this key to input department numbers. Department shift: Use this key to shift the department number from 1 through 30 to 31 through 60.

19 **0 9 00 .** Use these keys to input numbers.

20  Use this key to sign clerk off the register.

21  Use this key to move the cursor on the display up.

22  Use this key to move the cursor on the display down.

23  Use this key following a numeric entry to register money received for non-sale transactions.

24  Use this key following a numeric entry to register money paid out from the drawer.

25  Use this key to set the tax status and tax table.

26  Use this key to look up the procedures to set date/time, tax table etc.

27  Use these keys to register items to departments.  
     

28  Use this key to register a credit sale.

29  Not used for regular registrations.

30  Use this key to register a check tendering.

31  Use this key to register a charge sale.

32  Use this key to display and print the current subtotal (including tax) amount.

33  Use this key to register a cash sale.

# To use the cash register's basic function

## How to read the printouts

- The journal/receipts are records of all transactions and operations.
- The contents printed on receipts and journal are almost identical.
- You can choose the journal skip function.

If the journal skip function is selected, the cash register will print the total amount of each transaction, and the details of premium, discount and reduction operations only, without printing department and PLU item registrations on the journal.

- The following items can be skipped on receipts and journal.
  - Taxable status
  - Taxable amount
  - Item counter

### Receipt Sample

```
*****  
* THANK YOU *  
** CALL AGAIN **  
*****  
* COMMERCIAL MESSAGE *  
* COMMERCIAL MESSAGE *  
* COMMERCIAL MESSAGE *  
* COMMERCIAL MESSAGE *  
REG 20-06-2018 11:58  
C01 0001 000123  
1 DEPT001 T1 $1.00  
1 DEPT002 T1 $2.00  
5 DEPT003 $5.00  
7 No  
TA1 $3.00  
TX1 $0.15  
TL $8.15  
CASH $10.00  
CG $1.85  
*** BOTTOM MESSAGE ***  
*** BOTTOM MESSAGE ***  
*** BOTTOM MESSAGE ***  
*** BOTTOM MESSAGE ***
```

### Journal Sample (with items)

```
REG 20-06-2018 11:59  
C01 0001 000123  
1 DEPT001 T1 $1.00  
1 DEPT002 T1 $2.00  
5 DEPT003 $5.00  
7 No  
TA1 $3.00  
TX1 $0.15  
TL $8.15  
CASH $10.00  
CG $1.85  
REG 20-06-2018 11:59  
C01 0001 000124  
1 DEPT001 T1 $1.00  
1 DEPT012 T1 $1.00  
5 DEPT003 $6.00  
7 No  
TA1 $2.00  
TX1 $0.10  
TL $8.10  
CASH $10.00  
CG $1.90  
REG 20-06-2018 11:59  
C01 0001 000124
```

### Journal Sample (by half height character)

```
REG 20-06-2018 11:59  
C01 0001 000123  
1 DEPT001 T1 $1.00  
1 DEPT002 T1 $2.00  
5 DEPT003 $5.00  
7 No  
TA1 $3.00  
TX1 $0.15  
TL $8.15  
CASH $10.00  
CG $1.85  
REG 20-06-2018 11:59  
C01 0001 000124  
1 DEPT001 T1 $1.00  
1 DEPT012 T1 $1.00  
5 DEPT003 $6.00  
7 No  
TA1 $2.00  
TX1 $0.10  
TL $8.10  
CASH $10.00  
CG $1.90  
REG 20-06-2018 11:59  
C01 0001 000124
```

1 Logo message<sup>\*1</sup>

2 Commercial message<sup>\*1</sup>

3 Mode/Date/Time

4 Clerk/Machine No./Consecutive No.

5 Q'ty/Item

6 Item counter

7 Bottom message<sup>\*1</sup>

In the operation examples in this manual, the printout samples are what would be printed.

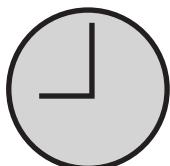
\* 1 To set for printing those messages, please see page E-78 "Set code 21".

# To use the cash register's basic function

## How to use your cash register

The following describes the general procedure you should use in order to get the most out of your cash register.

### Before opening your store



- Plugged in? (page E-17)
- Enough paper roll? (pages E-15 and E-16)
- Date and time are correct? (pages E-26 and E-32)
- Enough small change in the drawer? (page E-26)



### While the store is open



- Registrations (page E-27)
- Issuing latest total sales report if needed. (page E-52)



### After closing the store



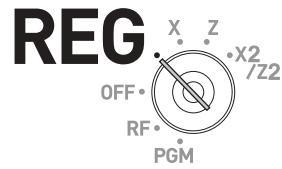
- Issuing day's total sales report. (page E-52)
- Withdraw the money from the drawer.  
After you withdraw all the money from the drawer, we recommend that you leave the drawer open when you leave your store. (page E-26)
- Turn the Mode switch to OFF. (page E-19)

# To use the cash register's basic function

## Before opening your store

### Checking the time and date

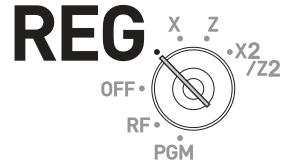
You can check the time or date on the display whenever there is no registration being made.



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

### Preparing bills and coins for change

To prepare coins and bills for change, you can open the drawer by pressing key. This operation must be performed when registrations are not being made.



**NOTE** Opening the drawer by key does not perform any calculation in the register. If you wish to obtain a report that tells you the total amount in drawer, use key instead of key. See page E-47.

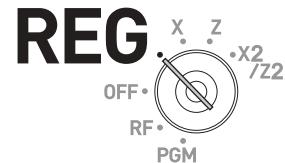
Step	Operation	Printout
1	Press . The cash drawer opens.	
2	Prepare coins and bills in the drawer.	

# To use the cash register's basic function

## Registering items in departments

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.



### ■ Single item sale

#### Sample Operation

Item	Unit Price	\$1.00	One \$1.00 Dept. 01 item is sold and the customer paid the same amount as the total amount.
	Quantity	1	
	Dept.	01	
Payment	Cash	\$1.00	

Step	Operation	Printout						
1 Enter the unit price.	<b>1 00</b>							
2 Press corresponding department key.	<b>1</b>	<table border="1"><tr><td>1 DEPT001</td><td>\$1.00</td></tr><tr><td>TL</td><td>\$1.00</td></tr><tr><td>CASH</td><td>\$1.00</td></tr></table>	1 DEPT001	\$1.00	TL	\$1.00	CASH	\$1.00
1 DEPT001	\$1.00							
TL	\$1.00							
CASH	\$1.00							
3 Press <b>CA/AMT/TEND</b> key.	<b>CA/AMT/TEND</b>							

#### Further operations:

- For simpler operation of single item sales, see page E-59 "Single item cash sales".

### ■ Single item sales with change calculation

#### Sample Operation

Item	Unit Price	\$12.34	One item is sold and the customer paid more than the total amount.
	Quantity	1	
	Dept.	01	
Payment	Cash	\$20.00	

Step	Operation	Printout								
1 Enter the unit price.	<b>1 2 3 4</b>									
2 Press corresponding department key.	<b>1</b>	<table border="1"><tr><td>1 DEPT001</td><td>\$12.34</td></tr><tr><td>TL</td><td>\$12.34</td></tr><tr><td>CASH</td><td>\$20.00</td></tr><tr><td>CG</td><td>\$7.66</td></tr></table>	1 DEPT001	\$12.34	TL	\$12.34	CASH	\$20.00	CG	\$7.66
1 DEPT001	\$12.34									
TL	\$12.34									
CASH	\$20.00									
CG	\$7.66									
3 Press <b>SUB TOTAL</b> key.	<b>SUB TOTAL</b>									
4 Enter the tendered amount then press <b>CA/AMT/TEND</b> key. The display shows the change to be paid.	<b>2 0 00</b> <b>CA/AMT/TEND</b>									

# To use the cash register's basic function

## ■ Repeat registration

### Sample Operation

Item	Unit Price	\$1.50	Same priced multiple items are sold.
	Quantity	3	
	Dept.	1	
Payment	Cash	\$10.00	

Step	Operation	Printout												
1 Enter the unit price.	<b>1 5 0</b>													
2 Press corresponding department key repeatedly for the purchased quantity.	<b>1 1 1</b>													
3 Press <b>SUB TOTAL</b> key.	<b>SUB TOTAL</b>													
4 Enter the tendered amount then press <b>CA/AMT</b> key. The display shows the change to be paid.	<b>1 0 00</b> <b>CA/AMT</b>	<table border="1"><tr><td>1 DEPT001 \$1.50</td><td>\$1.50</td></tr><tr><td>1 DEPT001 \$1.50</td><td>\$1.50</td></tr><tr><td>1 DEPT001 \$1.50</td><td>\$1.50</td></tr><tr><td>TL \$4.50</td><td>\$4.50</td></tr><tr><td>CASH \$10.00</td><td>\$10.00</td></tr><tr><td>CG \$5.50</td><td>\$5.50</td></tr></table>	1 DEPT001 \$1.50	\$1.50	1 DEPT001 \$1.50	\$1.50	1 DEPT001 \$1.50	\$1.50	TL \$4.50	\$4.50	CASH \$10.00	\$10.00	CG \$5.50	\$5.50
1 DEPT001 \$1.50	\$1.50													
1 DEPT001 \$1.50	\$1.50													
1 DEPT001 \$1.50	\$1.50													
TL \$4.50	\$4.50													
CASH \$10.00	\$10.00													
CG \$5.50	\$5.50													

## ■ Multiple items registration using multiplication key

### Sample Operation

Item	Unit Price	\$1.00	Twelve pieces of \$1.00 item are sold and the customer paid more than the total amount.
	Quantity	12	
	Dept.	1	
Payment	Cash	\$20.00	

Step	Operation	Printout								
1 Enter the quantity then press <b>X/FOR DATE/TIME</b> key.	<b>1 2 X/FOR DATE/TIME</b>									
2 Enter the unit price and press corresponding department key.	<b>1 00 1</b>									
3 Press <b>SUB TOTAL</b> key.	<b>SUB TOTAL</b>									
4 Enter the tendered amount then press <b>CA/AMT</b> key. The display shows the change to be paid.	<b>2 0 00</b> <b>CA/AMT</b>	<table border="1"><tr><td>12 DEPT001 \$12.00</td><td>\$12.00</td></tr><tr><td>TL \$12.00</td><td>\$12.00</td></tr><tr><td>CASH \$20.00</td><td>\$20.00</td></tr><tr><td>CG \$8.00</td><td>\$8.00</td></tr></table>	12 DEPT001 \$12.00	\$12.00	TL \$12.00	\$12.00	CASH \$20.00	\$20.00	CG \$8.00	\$8.00
12 DEPT001 \$12.00	\$12.00									
TL \$12.00	\$12.00									
CASH \$20.00	\$20.00									
CG \$8.00	\$8.00									

# To use the cash register's basic function

## ■ Split sales of packaged items

### Sample Operation

Item	Unit Price	4 for \$10.00	Three pieces of an item that price is \$10.00 for four pieces are sold.
	Quantity	3	
	Dept.	1	
Payment	Cash	\$10.00	

Step	Operation	Printout
1	Enter purchased quantity then press  key.	
2	Enter the quantity of one set and press  key.	
3	Enter the package price and press corresponding department and  keys.	
4	Enter the tendered amount and press  key.	

## ■ Department shift

By using , Dept. 01 through 30 are assigned to Dept. 31 through 60.

### Sample Operation

Item	Unit Price	\$1.00	Department 31 is assigned by using  key.
	Quantity	1	
	Dept.	31	
Payment	Cash	\$1.00	

Step	Operation	Printout
1	Press  key. "SHIFT/No" will be shown at the bottom of the display.	
2	Enter the unit price and press corresponding department key. Then press  key. The item is registered in Dept. 31 in this example.	
3	Press  key to finalize the transaction.	

# To use the cash register's basic function

## ■ Department number entry

Without using Department key, you can register departments manually.

### Sample Operation

Item	Unit Price	\$13.00	Registering an item in Dept. 31 without using Department key.
	Quantity	1	
	Dept.	31	
Payment	Cash	\$13.00	

Step	Operation	Printout
1	Enter Dept. number using ten key pad then press  key. 	
2	Enter the unit price and press  key. Then press  key. Then press  key. The item is registered in Dept. 31 in this example.	
3	Press  key to finalize the transaction.	

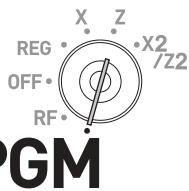
1 DEPT031 \$13.00  
TL \$ 13. 00  
CASH \$13.00

# To use the cash register's basic function

## Basic setups and registrations

### To program basic settings

You can program basic settings in the PGM mode of the Mode switch.



Step	Display
1 By turning the Mode switch to PGM position, the display indicates the programming top menu.	
2 Use $\Delta$ or $\nabla$ keys to choose the item you wish to set then press $\text{CA/AMT TEND}$ key.	
Repeat the above step until the display shows an entry display.	
3 Input values you wish to set and press $\text{CA/AMT TEND}$ key.	

The following table shows the setting items of the basic programming.

### ■ Program menus

Top menu	Sub menu	What is to be set
[DEPT Setting]	DEPT name [DEPT001 ] Unit Price [ 0.00 ] Taxable Status [NON TAX] Group Link [00] High AMT Limit [0.00] POP No. [ ] Advanced	Sets name, unit price, taxable status, item group and high amount limitation in each department. See page E-34.
[PLU Setting]	PLU name [PLU0001 ] Unit Price [ 0.00 ] Taxable Status [NON TAX] Group Link [00] DEPT Link [000] Open PLU [NO] Advanced	Sets name, unit price, taxable status, item group, department link and open PLU in each PLU. See page E-36.
[Key Setting]	%- - -	Sets name, taxable status, and whether to use taxable status or not in each function key.

# To use the cash register's basic function

Top menu	Sub menu	What is to be set
[Date Setting]	TIME (24 HOUR) [19:56]	Sets date and time.
	MONTH [12]	
	DATE [26]	
	YEAR 20[18]	
[Clerk Setting]	Secret No [0001]	
	Operation [YES]	
[Message Setting]	01 Logo 1	Please refer to pages E-24 and E-78.
	02 Logo 2	
	03 Logo 3	
	04 Logo 4	
	05 Commercial 1	
	06 Commercial 2	
	07 Commercial 3	
	08 Commercial 4	
	09 Bottom 1	
	10 Bottom 2	
	11 Bottom 3	
	12 Bottom 4	
[POP Setting]	Read POP Data	Please refer to page E-109.
	POP Operation Setting	
	Print POP image	
[Tax Setting]	RATE	Depending on the model and selected language (country), number of tax (Tax 1 - Tax 3, Tax 1 - Tax 4, Tax 1 - Tax 10 etc.) differ.
	ROUND	
	CAL TYPE	
[General Setting]	Enable clerk [NO]	Sets general controls of the register such as clerk assignment, printing journal in half size etc.
	Journal 1/2 Print [YES]	
	Consecutive No. Reset [YES]	
	EJ clear (After Daily Z) [YES]	
	EJ/Sales→SD (After XZ) [NO]	
	Prohibit Reg(Stock < 0 ) [NO]	
	Min Stock Alert [NO]	
[Water Mark Setting]	YES	
	NO	
[SD card]	Backup → SD	Exchanges sales data, program data, and receipt's message data between the register and an SD card. See page E-106.
	Restore← SD	
	Program→ SD	
	Program← SD	
	SD Format	
	Backup → Flash	
	AutoProgram→ SD	
	AutoProgram← SD	

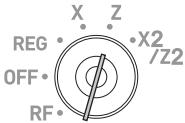
## To use the cash register's basic function

Top menu	Sub menu	What is to be set
[Bluetooth]	System Setting	See page E-104.
	Functions	If you wish to perform further settings using a smartphone, please refer to page E-104.
[System Setting]		Used to set characters, functions of keys, or calculation methods etc.

# To use the cash register's basic function

## Programming departments

This section explains how you can set unit prices, taxable statuses, and item groups. You can program each department linking to a certain group. For example, department 01 is for packed milk, department 02 is for cheese and both belong to group 03 (dairy goods).



**PGM**

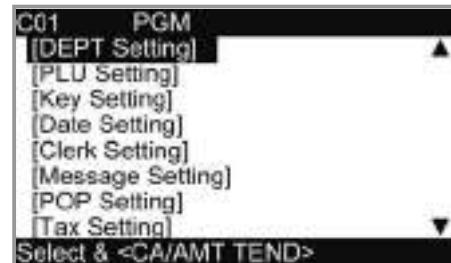
### Sample Operation

Dept. 01	Unit Price	\$2.50	Programming Dept. 01 as unit price \$2.50, non taxable, belonging to Group 02.
	Taxable status	Non tax	
	Group	02	

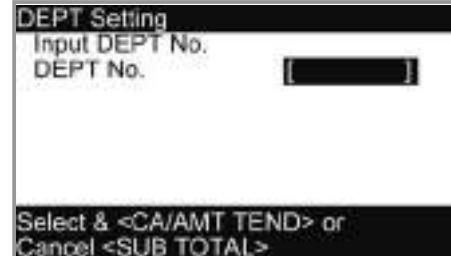
#### Step

#### Display

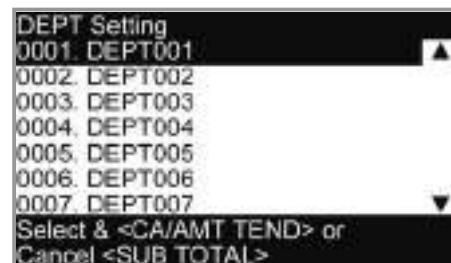
1 Turn the Mode switch to PGM position. The display shows the top screen of programming.



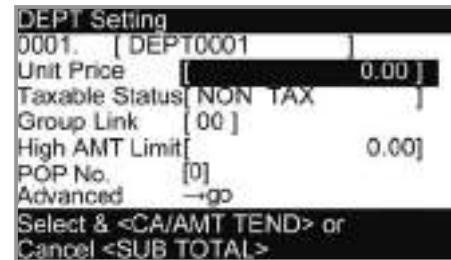
2 Using  $\Delta$  or  $\nabla$  keys, select [DEPT Setting] then press **CA/AMT TEND** key. The display shows [DEPT Setting] screen.



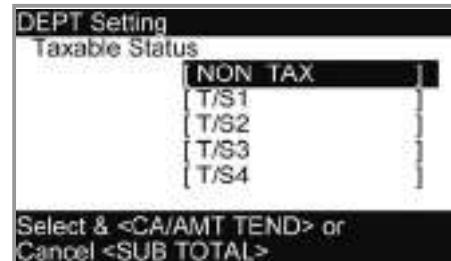
3 Enter the department number (01 in this example) then press **CA/AMT TEND** key. The display shows department selection screen. You can change the department by using  $\Delta$  or  $\nabla$  keys.



4 Press **CA/AMT TEND** key. The display shows program input screen. Input unit price and group link you wish to program. The top column is for setting characters to the dept. You can leave the column empty. If you wish to set characters now, please see page E-61.



5 Select [Taxable Status] and press **CA/AMT TEND** key. The display shows taxable status selection screen. Choose the taxable status and press **CA/AMT TEND** key.

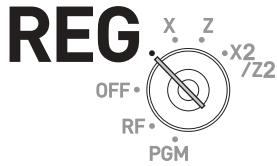


**NOTE** The display returns to the previous screen by pressing **SUB TOTAL** key.

# To use the cash register's basic function

## Registering departments' preset data

The following examples explain the operations using preset department data programmed in the previous section.



### ■ Using preset prices

#### Sample Operation

Item	Unit Price	\$2.50	Unit price \$2.50 is preset in Dept. 02.
	Quantity	1	
	Dept.	02	
Payment	Cash	\$2.50	

Step	Operation	Printout
1 Just press the corresponding Department key.	2	
2 Press CA/AMT/TEND key to finalize the transaction.	CA/AMT/TEND	1 DEPT002 \$2.50 TL \$2.50 CASH \$2.50

### ■ Using preset tax statuses

#### Sample Operation

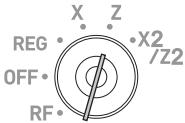
Item 1	Unit Price	\$2.00	• Dept. 03 presets: Unit price \$2.00, Tax status 1 (4%). • Dept. 04 presets: Unit price \$2.00, Tax status 2 (10%).
	Quantity	5	
	Dept.	03	
	Taxable	1	
Item 2	Unit Price	\$2.00	
	Quantity	1	
	Dept.	04	
	Taxable	2	
Payment	Cash	\$20.00	

Step	Operation	Printout
1 Register five pieces of Dept. 03 item using the multiplication key.	5 X/DATE/TIME 3	
2 Press Dept. 04 key to register one \$2.00 item.	4	
3 Press SUB TOTAL key to indicate the total amount including tax.	SUB TOTAL	
4 Enter the tendered amount and press CA/AMT/TEND key.	2 0 00 CA/AMT/TEND	5 DEPT003 T1 \$10.00 1 DEPT004 T2 \$2.00 TA1 \$10.00 TX1 \$0.40 TA2 \$2.00 TX2 \$0.20 TL \$12.60 CASH \$20.00 CG \$7.40

# To use the cash register's basic function

## Programming PLUs

Like departments, you can program unit price, taxable status, and linking item group in a PLU (Price Look Up). Using PLUs allow you to register items quickly and accurately. You can use up to 7,000 PLUs.



**PGM**

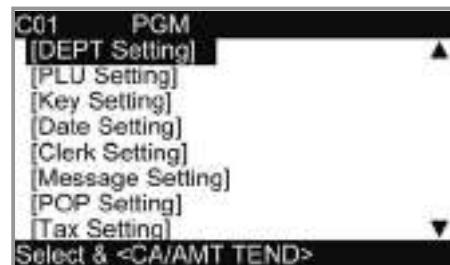
### Sample Operation

PLU 0014	Unit Price	\$2.50	Programming PLU 0014 as unit price \$2.50, non taxable, belonging to Group 03.
	Taxable status	Non tax	
	Group	03	

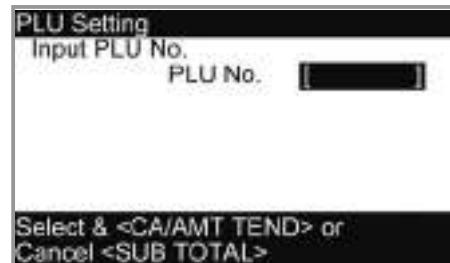
#### Step

#### Display

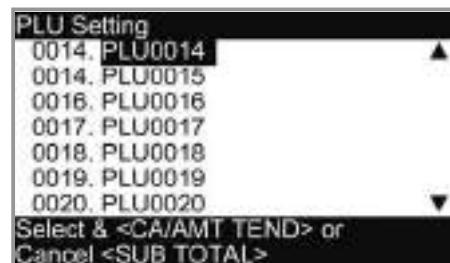
1 Turn the Mode switch to PGM position. The display shows the top screen of programming.



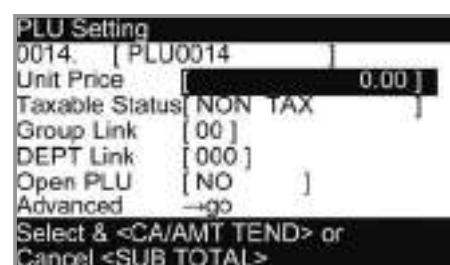
2 Using  $\Delta$  or  $\nabla$  keys, select [PLU Setting] then press  $\text{CA/AMT TEND}$  key. The display shows [PLU Setting] screen.



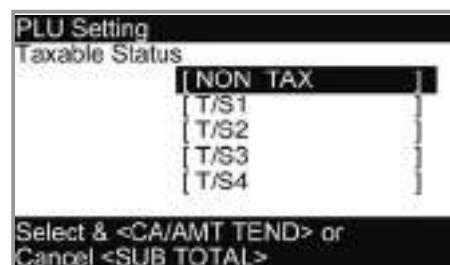
3 Enter the PLU number (0014 in this example) then press  $\text{CA/AMT TEND}$  key. The display shows [PLU Setting] screen. You can change the PLU number by using  $\Delta$  or  $\nabla$  keys.



4 Press  $\text{CA/AMT TEND}$  key. The display shows program input screen. Input unit price and group link you wish to program. The top column is for setting characters to the PLU. You can leave the column empty. If you wish to set characters now, please see page E-61.



5 Select [Taxable Status] and press  $\text{CA/AMT TEND}$  key. The display shows taxable status selection screen. Choose the taxable status and press  $\text{CA/AMT TEND}$  key.

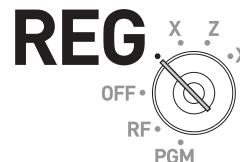


**NOTE** The display returns to the previous screen by pressing  $\text{SUB TOTAL}$  key.

# To use the cash register's basic function

## Registering PLUs' preset data

The following examples explain the operations using preset PLU data programmed in the previous section.



### ■ Single item sales using PLU

#### Sample Operation

Item	Unit Price	\$2.50	One piece of PLU number 14 (preset unit price \$2.50) is sold.
	Quantity	1	
	PLU No.	14	
Payment	Cash	\$3.00	

Step	Operation	Printout
1	Enter the PLU number and press <b>PLU/S.DEPT</b> key. One piece of PLU number 14 item has been registered. Then press <b>SUB TOTAL</b> key.	<b>1 4</b> <b>PLU/S.DEPT</b> <b>SUB TOTAL</b>
2	Enter tendered amount and press <b>CA/AMT/TEND</b> key.	<b>3 00</b> <b>CA/AMT/TEND</b>

### ■ PLU repeat registration

#### Sample Operation

Item	Unit Price	\$2.50	Three pieces of PLU number 14 (preset unit price \$2.50) is sold.
	Quantity	3	
	PLU No.	14	
Payment	Cash	\$10.00	

Step	Operation	Printout
1	Enter the PLU number.	<b>1 4</b>
2	Press <b>PLU/S.DEPT</b> key repeatedly for the number of sold quantity. Three pieces of PLU 14 have been registered. Then press <b>SUB TOTAL</b> key.	<b>PLU/S.DEPT</b> <b>PLU/S.DEPT</b> <b>PLU/S.DEPT</b> <b>SUB TOTAL</b>
3	Enter the tendered amount and press <b>CA/AMT/TEND</b> key.	<b>1 0 00</b> <b>CA/AMT/TEND</b>

# To use the cash register's basic function

## ■ PLU registration with multiplication key

### Sample Operation

Item	Unit Price	\$2.00	Ten pieces of PLU number 7 item (preset unit price \$2.00) are sold.
	Quantity	10	
	PLU No.	7	
Payment	Cash	\$20.00	

Step	Operation	Printout
1 Enter the quantity sold then press  key. Up to 9999.999 can be entered for multiplication calculations.	<b>1 0</b>	
2 Enter the PLU number and press  key. Then press  key.	<b>7</b> 	
3 Enter tendered amount and press  key.	<b>2 0 00</b>	

## ■ Split sales of packaged PLU item

### Sample Operation

Item	Unit Price	5 for \$20	Selling three pieces of an item that is priced \$20.00 for five pieces.
	Quantity	3	
	PLU No.	28	
Payment	Cash	\$15.00	

Step	Operation	Printout
1 Enter the quantity being purchased and press  key for multiplication calculation. You can enter up to 9999.999 for multiplication calculations.	<b>3</b>	
2 Enter the packaged quantity and press  key. You can enter up to 9999.999 for packaged quantity.	<b>5</b>	
3 Enter the PLU number of the item and press  key. Then press  key.	<b>2 8</b> 	
4 Enter the tendered amount and press  key.	<b>1 5 00</b>	

# To use the cash register's basic function

## ■ Open PLU

Although unit price is preset in a PLU, you can enter price manually if the PLU is programmed as "Open PLU". To program open PLU, see page E-31.

### Sample Operation

Item 1	Unit Price	\$32.80	PLU numbers 30 and 31 are programmed as open PLU so that the unit prices can be entered manually.
	Quantity	1	
	PLU No.	30	
Item 2	Unit Price	\$13.00	
	Quantity	2	
	PLU No.	31	
Payment	Cash	\$60.00	

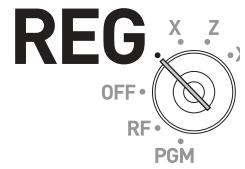
Step	Operation	Printout
1	Enter the PLU number of the first item then press  key.	
2	Enter the unit price and press  key.	
3	Enter the PLU number of the second item then press  key.	
4	Enter the unit price.	
5	Press  key repeatedly for the number of purchased quantity and press  key.	
6	Enter the tendered amount and press  key.	

# To use the cash register's basic function

## Other registrations

### Discount

The following example shows how you can use the **%-** key for discount registrations.



#### ■ Discounts on items and subtotals

##### Sample Operation

Item 1	Dept. 01	\$5.00	Five percent (preset in <b>%-</b> key) discount on PLU number 16 (preset unit price \$10.00) and discount 3.5% on the subtotal amount.
	Quantity	1	
	Taxable	1 (preset)	
Item 2	PLU 16	\$10.00 (preset)	
	Quantity	1	
	Taxable	2 (preset)	
Discount	Rate	5% (preset in <b>%-</b> )	
Subtotal discount	Rate	3.5%	
	Taxable	Non taxable (preset)	
Payment	Cash	\$15.00	

Step	Operation	Printout																																										
1	Enter the unit price and corresponding department key. <b>5 00</b> <b>1</b>	<table><tr><td>1 DEPT001</td><td>T1</td><td>\$5.00</td></tr><tr><td>1 PLU0016</td><td>T2</td><td>\$10.00</td></tr><tr><td>5%</td><td></td><td></td></tr><tr><td>%-</td><td>T2</td><td>-0.50</td></tr><tr><td>SUBTOTAL</td><td></td><td>\$14.50</td></tr><tr><td>3.5%</td><td></td><td></td></tr><tr><td>%-</td><td></td><td>-0.51</td></tr><tr><td>TA1</td><td></td><td>\$5.00</td></tr><tr><td>TX1</td><td></td><td>\$0.20</td></tr><tr><td>TA2</td><td></td><td>\$9.50</td></tr><tr><td>TX2</td><td></td><td>\$0.48</td></tr><tr><td>TL</td><td></td><td>\$ 1 4 . 6 7</td></tr><tr><td>CASH</td><td></td><td>\$15.00</td></tr><tr><td>CG</td><td></td><td>\$0.33</td></tr></table>	1 DEPT001	T1	\$5.00	1 PLU0016	T2	\$10.00	5%			%-	T2	-0.50	SUBTOTAL		\$14.50	3.5%			%-		-0.51	TA1		\$5.00	TX1		\$0.20	TA2		\$9.50	TX2		\$0.48	TL		\$ 1 4 . 6 7	CASH		\$15.00	CG		\$0.33
1 DEPT001	T1	\$5.00																																										
1 PLU0016	T2	\$10.00																																										
5%																																												
%-	T2	-0.50																																										
SUBTOTAL		\$14.50																																										
3.5%																																												
%-		-0.51																																										
TA1		\$5.00																																										
TX1		\$0.20																																										
TA2		\$9.50																																										
TX2		\$0.48																																										
TL		\$ 1 4 . 6 7																																										
CASH		\$15.00																																										
CG		\$0.33																																										
2	Enter the PLU number then press <b>PLU/S.DEPT</b> key. The preset unit price (\$10.00) is registered. <b>1</b> <b>6</b> <b>PLU/S.DEPT</b>																																											
3	Press <b>%-</b> key. The discount amount with the preset rate (5%) is subtracted from the last item registered (PLU 16). <b>%-</b>																																											
4	Press <b>SUB TOTAL</b> key for giving discount on the subtotal amount. <b>SUB TOTAL</b>																																											
5	Enter the discount rate manually and press <b>%-</b> key. Discount amount with inputted rate is subtracted from the subtotal amount. <b>3</b> <b>.</b> <b>5</b> <b>%-</b>																																											
6	Press <b>SUB TOTAL</b> key to show the total amount including tax and discounts. <b>SUB TOTAL</b>																																											
7	Enter the tendered amount and press <b>CA/AMT/TEND</b> key. <b>1</b> <b>5</b> <b>00</b> <b>CA/AMT/TEND</b>																																											

Printout differs depending on preset tax statuses.

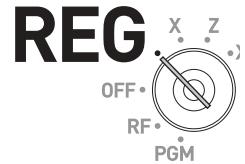
**NOTE**

- When you perform a discount operation on the last item registered, the tax of discount amount is calculated in accordance with the tax status programmed to the item.
- When you perform a discount operation on a subtotal amount, the tax of discount amount from subtotal is calculated in accordance with the tax status programmed in the **%-** key.
- To program discount rate in **%-** key, please see page E-31.

# To use the cash register's basic function

## Reduction

Using the reduction feature, you can subtract a certain amount from an item's unit price or from a subtotal amount.



### Sample Operation

Item 1	Dept. 01	\$5.00	<ul style="list-style-type: none"> <li>Reducing \$0.25 (manual input) from item 1 unit price.</li> </ul>
	Quantity	1	
	Taxable	1 (preset)	
	Reduction	\$0.25	
Item 2	PLU 45	\$6.00 (preset)	<ul style="list-style-type: none"> <li>Reducing \$0.50 (preset amount) from item 2.</li> </ul>
	Quantity	1	
	Taxable	1 (preset)	
	Reduction	\$0.50 (preset)	
Subtotal	Reduction	\$0.75	<ul style="list-style-type: none"> <li>Reducing \$0.75 (manual input) from subtotal amount.</li> </ul>
	Taxable	Non taxable (preset)	
Payment	Cash	\$10.00	

Step	Operation	Printout																														
1	Register item 1 by inputting the unit price and department key. <b>5 0 0</b> <b>1</b>																															
2	Enter reduction amount manually and press <b>–</b> key. \$0.25 is subtracted from the unit price. <b>2 5</b> <b>–</b>																															
3	Register item 2 by inputting the PLU number and <b>PLU/S.DEPT</b> key. <b>4 5</b> <b>PLU/S.DEPT</b>																															
4	Press <b>–</b> key. Pressing <b>–</b> key without numeral entry subtracts the preset reduction amount (\$0.50 in this example) from the PLU's unit price. <b>–</b>																															
5	Press <b>SUB TOTAL</b> key for reducing amount from the subtotal. <b>SUB TOTAL</b>	<table border="1"> <tbody> <tr><td>1 DEPT001</td><td>T1</td><td>\$5.00</td></tr> <tr><td>–</td><td>T1</td><td>-0.25</td></tr> <tr><td>1 PLU0045</td><td>T1</td><td>\$6.00</td></tr> <tr><td>–</td><td>T1</td><td>-0.50</td></tr> <tr><td>–</td><td></td><td>-0.75</td></tr> <tr><td>TA1</td><td></td><td>\$10.25</td></tr> <tr><td>TX1</td><td></td><td>\$0.41</td></tr> <tr><td>TL</td><td></td><td><b>\$9.91</b></td></tr> <tr><td>CASH</td><td></td><td>\$10.00</td></tr> <tr><td>CG</td><td></td><td>\$0.09</td></tr> </tbody> </table>	1 DEPT001	T1	\$5.00	–	T1	-0.25	1 PLU0045	T1	\$6.00	–	T1	-0.50	–		-0.75	TA1		\$10.25	TX1		\$0.41	TL		<b>\$9.91</b>	CASH		\$10.00	CG		\$0.09
1 DEPT001	T1	\$5.00																														
–	T1	-0.25																														
1 PLU0045	T1	\$6.00																														
–	T1	-0.50																														
–		-0.75																														
TA1		\$10.25																														
TX1		\$0.41																														
TL		<b>\$9.91</b>																														
CASH		\$10.00																														
CG		\$0.09																														
6	Enter reduction amount manually then press <b>–</b> key. The inputted amount is subtracted from the subtotal amount. <b>7 5</b> <b>–</b>																															
7	Enter the tendered amount then press <b>CA/AMT TEND</b> key. <b>1 0 00</b> <b>CA/AMT TEND</b>																															

**NOTE**

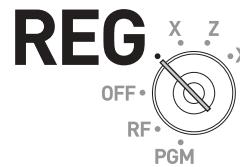
- You can input up to seven digits reduction amount manually.
- To program preset reduction amount, please see page E-31.

Printout differs depending on preset tax statuses.

# To use the cash register's basic function

## Registering various payment methods

Other than cash payments, you can register transactions made by checks, charges, credits, or even mixed tendering.



### ■ Check sale

#### Sample Operation

Item	Unit Price	\$11.00	A \$11.00 item is sold and customer paid by \$20.00 check (check number 1234).
	Quantity	1	
Reference no. of check		1234	
Payment	Check	\$20.00	

Step	Operation	Printout										
1	Register the item purchased. <b>1 1 00</b> <input type="checkbox"/>											
2	If you wish to record reference number such as a check number, enter the number then press <b>#</b> <input type="checkbox"/> key. <b>1 2 3 4</b> <input type="checkbox"/>											
3	Enter the paid amount then press <b>CHK</b> key. <b>2 0 00</b> <input type="checkbox"/>	<table border="1"><tr><td>1 DEPT001</td><td>\$11.00</td></tr><tr><td>#</td><td>1234</td></tr><tr><td>TL</td><td><b>\$ 1 1 . 0 0</b></td></tr><tr><td>CHECK</td><td>\$20.00</td></tr><tr><td>CG</td><td>\$9.00</td></tr></table>	1 DEPT001	\$11.00	#	1234	TL	<b>\$ 1 1 . 0 0</b>	CHECK	\$20.00	CG	\$9.00
1 DEPT001	\$11.00											
#	1234											
TL	<b>\$ 1 1 . 0 0</b>											
CHECK	\$20.00											
CG	\$9.00											

### ■ Charge sale

#### Sample Operation

Item	Dept. 04	\$15.00	A purchased item is transacted by charge sale.
	Quantity	1	
Payment	Charge	\$15.00	

Step	Operation	Printout						
1	Register the item purchased and press <b>SUB TOTAL</b> key. <b>1 5 00</b> <input type="checkbox"/>							
2	Press <b>CH</b> key to finalize the charge transaction. <b>CH</b>	<table border="1"><tr><td>1 DEPT004</td><td>\$15.00</td></tr><tr><td>TL</td><td><b>\$ 1 5 . 0 0</b></td></tr><tr><td>CHARGE</td><td>\$15.00</td></tr></table>	1 DEPT004	\$15.00	TL	<b>\$ 1 5 . 0 0</b>	CHARGE	\$15.00
1 DEPT004	\$15.00							
TL	<b>\$ 1 5 . 0 0</b>							
CHARGE	\$15.00							

# To use the cash register's basic function

## ■ Credit sale

### Sample Operation

Item	Dept. 03	\$10.00	A purchased item is paid by a credit card.
	Quantity	1	
Payment	Credit	\$10.00	

Step	Operation	Printout
1 Register the item purchased and press <b>SUB TOTAL</b> key.	<b>1 0 00</b> <b>3</b> <b>SUB TOTAL</b>	1 DEPT003 \$10.00 TL \$10.00 CREDIT \$10.00
2 Press <b>CR</b> key to finalize the transaction.	<b>CR</b>	

## ■ Mixed payments (cash and check)

### Sample Operation

Item	Dept. 04	\$55.00	Customer paid \$30.00 by check and the rest in cash for \$55.00 item.
	Quantity	1	
Payment	Check	\$30.00	
	Cash	\$25.00	

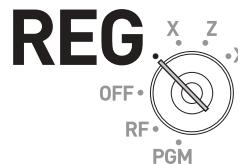
Step	Operation	Printout
1 Register the item purchased and press <b>SUB TOTAL</b> key.	<b>5 5 00</b> <b>4</b> <b>SUB TOTAL</b>	1 DEPT004 \$55.00 TL \$55.00
2 Enter the amount paid by a check then press <b>CHK</b> key.	<b>3 0 00</b> <b>CHK</b>	CHECK \$30.00
3 Enter the paid cash amount then press <b>CA/AMT/TEND</b> key.	<b>2 5 00</b> <b>CA/AMT/TEND</b>	CASH \$25.00 CG \$0.00

# To use the cash register's basic function

## Tax shift

By using **T/S1** or **T/S2** keys, you can change the taxable status.

The **T/S1** key switches on and off of programmed taxable status 1 and **T/S2** key changes the taxable status 2. The following table explains how tax statuses change by **T/S1** or **T/S2** key.



Non tax	<b>T/S1</b>	→ Tax status 1	Non tax	<b>T/S2</b>	→ Tax status 2
Tax status 1	<b>T/S1</b>	→ Non-tax	Tax status 1	<b>T/S2</b>	→ Tax status 1 & 2
Tax status 2	<b>T/S1</b>	→ Tax status 1 & 2	Tax status 2	<b>T/S2</b>	→ Non-tax

## Sample Operation

Item 1	Dept. 01	\$2.00	<ul style="list-style-type: none"> <li>Item 1 is shifted from non-taxable to tax status 1 by <b>T/S1</b> key.</li> </ul>
	Quantity	1	
	Taxable	Non tax (preset) to tax status 1	
Item 2	Dept. 02	\$6.00	<ul style="list-style-type: none"> <li>Item 2 is shifted from tax status 1 to tax status 1 &amp; 2 by <b>T/S2</b> key.</li> </ul>
	Quantity	1	
	Taxable	Tax status 1 (preset) to 1 & 2	
Item 3	Dept. 03	\$7.00	<ul style="list-style-type: none"> <li>Item 3 is shifted from tax status 2 to non-taxable by <b>T/S2</b> key.</li> </ul>
	Quantity	1	
	Taxable	Tax status 2 (preset) to non-tax	
Payment	Cash	\$30.00	

Step	Operation	Printout																														
1 Press <b>T/S1</b> then register item 1. The tax status of the item 1 is changed from non-taxable to tax status 1.	<b>T/S1</b> <b>2 00</b> <b>1</b>																															
2 Press <b>T/S2</b> then register item 2. The tax status of the item 2 is changed from tax status 1 to tax status 1 & 2.	<b>T/S2</b> <b>6 00</b> <b>2</b>																															
3 Press <b>T/S2</b> then register item 3. The tax status of the item 3 is changed from tax status 2 to non-taxable.	<b>T/S2</b> <b>7 00</b> <b>3</b>																															
4 Press <b>SUB TOTAL</b> key to indicate the total amount including tax.	<b>SUB TOTAL</b>	<table border="1"> <tr><td>1 DEPT001</td><td>T1</td><td>\$2.00</td></tr> <tr><td>1 DEPT002</td><td>T12</td><td>\$6.00</td></tr> <tr><td>1 DEPT003</td><td></td><td>\$7.00</td></tr> <tr><td>TA1</td><td></td><td>\$8.00</td></tr> <tr><td>TX1</td><td></td><td>\$0.32</td></tr> <tr><td>TA2</td><td></td><td>\$6.00</td></tr> <tr><td>TX2</td><td></td><td>\$0.30</td></tr> <tr><td>TL</td><td></td><td><b>\$ 15. 62</b></td></tr> <tr><td>CASH</td><td></td><td>\$20.00</td></tr> <tr><td>CG</td><td></td><td>\$4.38</td></tr> </table>	1 DEPT001	T1	\$2.00	1 DEPT002	T12	\$6.00	1 DEPT003		\$7.00	TA1		\$8.00	TX1		\$0.32	TA2		\$6.00	TX2		\$0.30	TL		<b>\$ 15. 62</b>	CASH		\$20.00	CG		\$4.38
1 DEPT001	T1	\$2.00																														
1 DEPT002	T12	\$6.00																														
1 DEPT003		\$7.00																														
TA1		\$8.00																														
TX1		\$0.32																														
TA2		\$6.00																														
TX2		\$0.30																														
TL		<b>\$ 15. 62</b>																														
CASH		\$20.00																														
CG		\$4.38																														
5 Enter tendered amount and press <b>CA/AMT TEND</b> to finalize the transaction.	<b>2 0 00</b> <b>CA/AMT TEND</b>																															

### NOTE

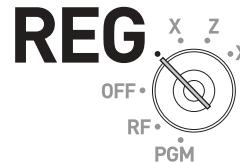
- To change the tax status of the next item to be registered, be sure to press **T/S1**, **T/S2**.
- If the last item registered is programmed as non-taxable, a discount (**%-** key) operation on this item is always non-taxable. In this case, you cannot manually change the tax status to taxable 1 or 2 by pressing **T/S1**, **T/S2** keys.

# To use the cash register's basic function

## Registering returned goods

### ■ Registering returned goods in the REG mode

The following example shows how to operate for registering goods returned by customer in the REG mode.



#### Sample Operation

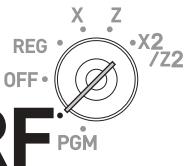
Item 1	Dept. 01	\$2.35	Customer returned items 1 and 3 during the registration.
	Quantity	1	
Item 2	Dept. 02	\$2.00	
	Quantity	1	
Item 3	PLU 001	\$1.20 (preset)	
	Quantity	1	
Refunded Item 1	Dept. 01	\$2.35	
	Quantity	1	
Refunded Item 3	PLU 0001	\$1.20 (preset)	
	Quantity	1	
Payment	Cash	\$2.00	

Step	Operation	Printout
1 Register purchased item 1.	<b>2 3 5</b> <b>1</b>	
2 Register purchased item 2.	<b>2 00</b> <b>2</b>	
3 Register purchased item 3.	<b>1</b> <b>PLU/S.DEPT</b>	
4 Press <b>RF</b> key prior to registering returned item 1.	<b>RF</b>	
5 Register returned item 1.	<b>2 3 5</b> <b>1</b>	
6 Press <b>RF</b> key and register returned item 3. Then press <b>SUB TOTAL</b> key.	<b>RF</b> <b>1</b> <b>PLU/S.DEPT</b> <b>SUB TOTAL</b>	1 DEPT001 \$2.35 1 DEPT002 \$2.00 1 PLU0001 \$1.20 RF ..... 1 DEPT001 -2.35 RF ..... 1 PLU0001 -1.20 TL \$2.00 CASH \$2.00
7 Press <b>CA/AMT/TEND</b> key as the customer paid exact amount.	<b>CA/AMT/TEND</b>	

# To use the cash register's basic function

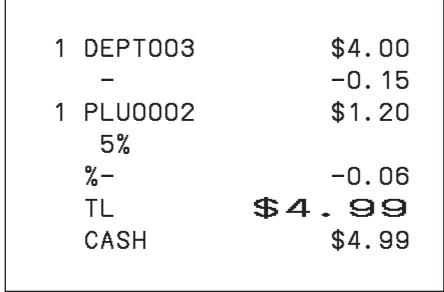
## ■ Registering returned goods in the RF mode

When a customer returns goods after the transaction has been completed, use RF mode for the refund operation.



### Sample Operation

Refunded Item 1	Dept. 03	\$4.00	A customer returned two items. Item 1 was sold with \$0.15 reduction and item 2 was sold with pre-programmed 5% discount.
	Quantity	1	
	Reduced	\$0.15	
Refunded Item 2	PLU 002	\$1.20 (preset)	
	Quantity	1	
	Discounted	5% (preset)	
Payment	Cash	\$4.99	

Step	Operation	Printout
1	Turn the Mode switch to RF position.	
2	Register the returned items by the same operations as normal registration and press <b>SUB TOTAL</b> key.	
3	Press <b>CA/AMT/TEND</b> key and pay the total amount back to the customer.	

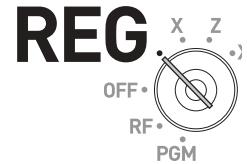
### Important

- After the refund operation, please do not forget to return the Mode switch to REG position otherwise the following registrations are stored as minus transactions.

# To use the cash register's basic function

## Registrations without transactions

The followings are the operations other than normal sales transactions. Please do not perform these operations during a sales transaction.



### ■ Registering money received on account

Use this operation when you put money in the drawer without any sales transactions such case as preparing change.

#### Sample Operation

Received amount	\$70.00	Prepared \$70.00 in the drawer for change before opening the store.
-----------------	---------	---

Step	Operation	Printout
1 Enter the amount put in the drawer then press <b>RA</b> key.	<b>7 0 00 RA</b>	RA \$70.00

### ■ Registering money paid out from the drawer

Use this operation when you withdraw money from the drawer without any sales transactions such case as paying for a cash-on-delivery item.

#### Sample Operation

Paid out amount	\$1.50	Paying \$1.50 from the drawer.
-----------------	--------	--------------------------------

Step	Operation	Printout
1 Enter the amount withdrawn from the drawer then press <b>PO</b> key.	<b>1 5 0 PO</b>	PO \$1.50

### ■ Opening the drawer without putting money in or out

Use this operation to open the drawer without putting money in or out. The number of **#<sub>NS</sub>** key operations will be printed on X or Z reports.

If you enter numbers prior to **#<sub>NS</sub>** key, the number will be printed on the receipt or journal.

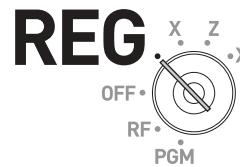
Step	Operation	Printout
1 Just press <b>#<sub>NS</sub></b> key. The drawer opens.	<b>#<sub>NS</sub></b>	#/NS .....

# To use the cash register's basic function

## Corrections

There are three ways to correct erroneous operations that are;

- Correcting erroneous item not registered
- Correcting erroneous item already registered
- Cancelling all the items registered in a transaction



### ■ Correcting erroneously entered item not registered

Step	Operation	Printout
1	Correcting wrong unit price \$2.00 to \$1.00.	<p>2 00 C 1 00 1 1 2 X FOR DATE C 1 1 X FOR DATE 2 00 2 2 C 3 PLU/ S.DEP 1 5 PLU/ S.DEP 6 00 C 1 5 PLU/ S.DEP 1 0 00 PRICE 1 0 00 C 1 5 00 CA/ AMT /TEND CH</p>
2	Correcting wrong quantity 12 to 11.	<p>1 DEPT001 \$1.00 11 DEPT002 \$22.00 1 PLU0003 \$1.30 1 PLU0015 \$10.00 TL \$34.30 CASH \$15.00 CHECK \$19.30</p>
3	Correcting wrong PLU number 002 to 003.	
4	Correcting open PLU unit price \$6.00 to \$10.00. You must re-enter the PLU number prior to entering correct unit price.	
5	Correcting wrong partially tendered cash amount \$10.00 to \$15.00.	
6	The remaining amount is paid by check.	

# To use the cash register's basic function

## ■ Correcting items immediately after the registration

Step	Operation	Printout																																																												
1 Registering an item.	<b>1</b> <b>00</b> <b>1</b>																																																													
2 By mistake, Dept. key has been pressed twice so cancelling the preceding registration by <b>ERR CORR CANCEL</b> key.	<b>2</b> <b>00</b> <b>2</b> <b>2</b> <b>ERR CORR CANCEL</b>																																																													
3 Cancelling wrong PLU registration (PLU No. 2) and re-registering correct PLU (PLU No. 5).	<b>2</b> <b>PLU/ S.DEPT</b> <b>ERR CORR CANCEL</b> <b>5</b> <b>PLU/ S.DEPT</b>																																																													
4 Cancelling a registration of an open PLU's (PLU No. 15) wrong unit price \$6.00 and re-registering the item with the correct unit price \$10.00.	<b>1</b> <b>5</b> <b>PLU/ S.DEPT</b> <b>6</b> <b>00</b> <b>PRICE</b> <b>ERR CORR CANCEL</b> <b>1</b> <b>5</b> <b>PLU/ S.DEPT</b> <b>1</b> <b>0</b> <b>00</b> <b>PRICE</b>																																																													
5 Cancelling a registration of an item with wrong quantity (8 pieces) and re-registering the item with the correct quantity (6 pieces).	<b>8</b> <b>X FOR DATE TIME</b> <b>4</b> <b>00</b> <b>4</b> <b>ERR CORR CANCEL</b> <b>6</b> <b>X FOR DATE TIME</b> <b>4</b> <b>00</b> <b>4</b>																																																													
6 Cancelling wrong subtotal discount calculation (with rate of 50%) and re-calculating the discount amount with the correct rate (5%).	<b>SUB TOTAL</b> <b>5</b> <b>0</b> <b>%-</b> <b>ERR CORR CANCEL</b> <b>SUB TOTAL</b> <b>5</b> <b>%-</b>																																																													
7 Cancelling wrong refund amount (\$2.00) and re-registering correct amount (\$2.20).	<b>RF</b> <b>2</b> <b>00</b> <b>2</b> <b>ERR CORR CANCEL</b> <b>RF</b> <b>2</b> <b>2</b> <b>0</b> <b>2</b> <b>SUB TOTAL</b>																																																													
8 Getting the subtotal amount.	<b>2</b> <b>0</b> <b>00</b> <b>CA/AMT TEND</b> <b>ERR CORR CANCEL</b>																																																													
9 Cancelling partially tendered cash amount (\$20.00) and re-registering correct amount (\$15.00).	<b>1</b> <b>5</b> <b>00</b> <b>CA/AMT TEND</b>																																																													
10 The customer paid the balance due by check.	<b>CHK</b>																																																													
		<table border="1"> <tbody> <tr><td>1 DEPT001</td><td>\$1.00</td></tr> <tr><td>1 DEPT002</td><td>\$2.00</td></tr> <tr><td>1 DEPT002</td><td>\$2.00</td></tr> <tr><td>CORR</td><td>-2.00</td></tr> <tr><td>1 PLU0002</td><td>\$2.00</td></tr> <tr><td>CORR</td><td>-2.00</td></tr> <tr><td>1 PLU0005</td><td>\$1.50</td></tr> <tr><td>1 PLU0015</td><td>\$6.00</td></tr> <tr><td>CORR</td><td>-6.00</td></tr> <tr><td>1 PLU0015</td><td>\$10.00</td></tr> <tr><td>8 DEPT004</td><td>\$32.00</td></tr> <tr><td>CORR</td><td>-32.00</td></tr> <tr><td>6 DEPT004</td><td>\$24.00</td></tr> <tr><td>SUBTOTAL</td><td>\$38.50</td></tr> <tr><td>50%</td><td></td></tr> <tr><td>%-</td><td>-19.25</td></tr> <tr><td>CORR</td><td>\$19.25</td></tr> <tr><td>SUBTOTAL</td><td>\$38.50</td></tr> <tr><td>5%</td><td></td></tr> <tr><td>%-</td><td>-1.93</td></tr> <tr><td>RF</td><td>.....</td></tr> <tr><td>1 DEPT002</td><td>-2.00</td></tr> <tr><td>CORR</td><td>\$2.00</td></tr> <tr><td>RF</td><td>.....</td></tr> <tr><td>1 DEPT002</td><td>-2.20</td></tr> <tr><td>TL</td><td><b>\$34.37</b></td></tr> <tr><td>CASH</td><td>\$20.00</td></tr> <tr><td>CORR</td><td>-20.00</td></tr> <tr><td>CASH</td><td>\$15.00</td></tr> <tr><td>CHECK</td><td>\$19.37</td></tr> </tbody> </table>	1 DEPT001	\$1.00	1 DEPT002	\$2.00	1 DEPT002	\$2.00	CORR	-2.00	1 PLU0002	\$2.00	CORR	-2.00	1 PLU0005	\$1.50	1 PLU0015	\$6.00	CORR	-6.00	1 PLU0015	\$10.00	8 DEPT004	\$32.00	CORR	-32.00	6 DEPT004	\$24.00	SUBTOTAL	\$38.50	50%		%-	-19.25	CORR	\$19.25	SUBTOTAL	\$38.50	5%		%-	-1.93	RF	.....	1 DEPT002	-2.00	CORR	\$2.00	RF	.....	1 DEPT002	-2.20	TL	<b>\$34.37</b>	CASH	\$20.00	CORR	-20.00	CASH	\$15.00	CHECK	\$19.37
1 DEPT001	\$1.00																																																													
1 DEPT002	\$2.00																																																													
1 DEPT002	\$2.00																																																													
CORR	-2.00																																																													
1 PLU0002	\$2.00																																																													
CORR	-2.00																																																													
1 PLU0005	\$1.50																																																													
1 PLU0015	\$6.00																																																													
CORR	-6.00																																																													
1 PLU0015	\$10.00																																																													
8 DEPT004	\$32.00																																																													
CORR	-32.00																																																													
6 DEPT004	\$24.00																																																													
SUBTOTAL	\$38.50																																																													
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CORR	\$19.25																																																													
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%-	-1.93																																																													
RF	.....																																																													
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CORR	-20.00																																																													
CASH	\$15.00																																																													
CHECK	\$19.37																																																													

Corrected items are not printed on receipt if programmed as "Buffered receipt printing".  
See page E-71 "Set code 05".

# To use the cash register's basic function

## ■ Voiding an item which has been already registered

### Step

### Display

1 During a registration.

C01	REG	000011
3 DEPT001		\$6.00
1 PLU002		\$2.00
3 DEPT002		\$9.00
2 PLU003		\$4.00
1 DEPT003		\$2.00
<b>SUBTOTAL \$24.00</b>		
QT	11	0.00

2 Using  $\Delta$  or  $\nabla$  keys, select the item you have mis-registered.

REVIEW / VOID	
1 PLU001	\$1.00
3 DEPT001	\$6.00
1 PLU002	\$2.00
3 DEPT002	\$9.00
2 PLU003	\$4.00
1 DEPT003	\$2.00
Select & <CA/AMT TEND> or	
CANCEL <SUB TOTAL>	
	0.00

3 Press CA/AMT /TEND key. The selected item is voided.

C01	REG	000011
2 PLU003		\$4.00
1 DEPT003		\$2.00
1 DEPT003		\$2.00
<b>SUBTOTAL \$22.00</b>		
QT	10	0.00

# To use the cash register's basic function

## ■ Cancelling all items in a transaction

### Step

1 Press  key after items have been registered then press  key.

### Display

C01	REG	000011
3 DEPT001		\$6.00
1 PLU002		\$2.00
3 DEPT002		\$9.00
2 PLU003		\$4.00
1 DEPT003		\$2.00
<b>SUBTOTAL \$24.00</b>		
QT	11	0.00

2 Select [YES] on the pop up display.

C01	000011
CANCEL OPEARITION	
Please select	
Yes	:<CA/AMT TEND>
No	:<C>
<b>ST \$24.00</b>	
QT	11
	0.00

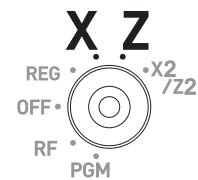
3 Press  key. The registered items are cancelled.

C01	REG	000011
1 PLU002		\$2.00
3 DEPT002		\$9.00
2 PLU003		\$4.00
1 DEPT003		\$2.00
CANCEL		.....
<b>SUBTOTAL \$0.00</b>		
CANCEL		0.00

# To use the cash register's basic function

## Daily sales reports

At the end of the business day, you can print categorized and summarized results of the day. Reset report (Z) clears all the sales data whereas the data remains in memory by Read report (X).

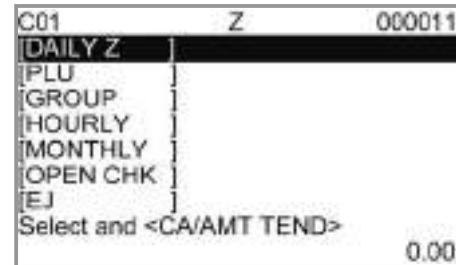


**NOTE** Please do not perform the Reset report (Z) printing while your store is open. It clears all the sales data.

### Step

- 1 Turn the Mode switch to X or Z position. The display shows top display of sales reports.

### Display



- 2 Select [DAILY Z] (DAILY X when you set the Mode switch to X) and press **CA/AMT TEND** key. The printer issues a sales report.

### Further operations:

- For individual reports, please see page E-100.

# To use the cash register's basic function

## Print out of daily sales report

Z	20-06-2018	17:00	1
	0001	000231	2
-----			
Z	DAILY Z		3
-----			
Z	DEPT	0001	4
		0001015	5
DEPT001		203.25	6
		\$1,108.54	
DEPT002		183	
		\$1,362.26	
		5	
		\$117.00	
-----			
TL		421.25	7
		\$2,872.28	
-----			
Z	FIX	0001	8
		0001011	9
GROSS		981.25	
		\$6,574.40	10
NET	No	111	
		\$7,057.14	11
CAID		\$1,919.04	12
CHID		\$139.04	13
CKID		\$859.85	14
CRID(1)		\$709.85	15
CRID(2)		\$0.00	16
CRID(3)		\$0.00	17
CRID(4)		\$0.00	18
-----			
RF	No	3	19
		\$10.22	
CUST	CT	111	20
AVRG		\$63.57	21
DC		\$1.22	22
REF		\$2.42	23
ROUND		\$0.00	24
CANCEL	No	2	25
		\$12.97	
-----			

- 1 Date/time
- 2 Machine No./consecutive No.
- 3 Report title
- 4 Department report title/reset counter
- 5 Report code
- 6 Department count/amount <sup>\*1</sup>
- 7 Department total count/total amount
- 8 Fixed total report title/reset counter
- 9 Report code
- 10 Gross total <sup>\*2</sup>
- 11 Net total <sup>\*2</sup>
- 12 Cash in drawer <sup>\*2</sup>
- 13 Charge in drawer <sup>\*2</sup>
- 14 Check in drawer <sup>\*2</sup>
- 15 Credit in drawer 1 <sup>\*2</sup>
- 16 Credit in drawer 2 <sup>\*2</sup>
- 17 Credit in drawer 3 <sup>\*2</sup>
- 18 Credit in drawer 4 <sup>\*2</sup>
- 19 Refund mode <sup>\*2</sup>
- 20 Number of customer <sup>\*2</sup>
- 21 Average sales per customer <sup>\*2</sup>
- 22 Discount total <sup>\*2</sup>
- 23 Refund key <sup>\*2</sup>
- 24 Rounding total <sup>\*2</sup>
- 25 Cancellation

\* 1 If total amount is zero, these items will not be printed.

\* 2 These items can be skipped by programming. See page E-73 "Set code 08".

## To use the cash register's basic function

TA1	\$2,369.69	26
TX1	\$128.86	27
TA2	\$2,172.96	28
TX2	\$217.33	29
GT	\$00000000125478.96	30
<hr/>		
Z	TRANS 0001	31
	0001012	32
CASH	No 362	33
	\$1,638.04	
CHARGE	No 56	
	\$1,174.85	
RA	No 4	
	\$810.00	
PO	No 5	
	\$520.00	
	\$5.00	
CORR	No 14	
	\$39.55	
RCT	No 3	
	No 5	
<hr/>		
NS		

- 26 Taxable 1 amount <sup>\*2</sup>
- 27 Tax 1 amount <sup>\*2</sup>
- 28 Taxable 2 amount <sup>\*2</sup>
- 29 Tax 2 amount <sup>\*2</sup>
- 30 Grand total <sup>\*2</sup>
- 31 Function key report title/reset counter
- 32 Report code
- 33 Function key count/amount <sup>\*1</sup>

\* 1 If total amount is zero, these items will not be printed.

\* 2 These items can be skipped by programming. See pages E-75 "Set code 09" and E-77 "Set code16".

# Advanced programmings and registrations

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# Advanced programmings and registrations

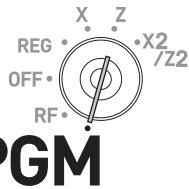
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# Advanced programmings and registrations

## Advanced registrations

### Enabling clerk assignment

By assigning a clerk, clerk number or name will be printed on receipts. The following operation enables the register to use the clerk assignment.



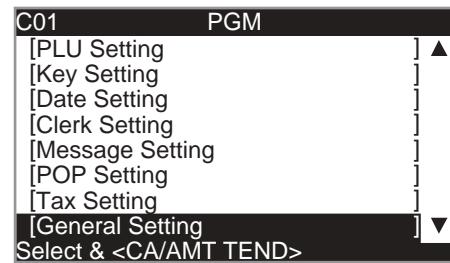
#### Step

1 Turn the Mode switch to PGM position. The display shows programming top menu.

#### Operation



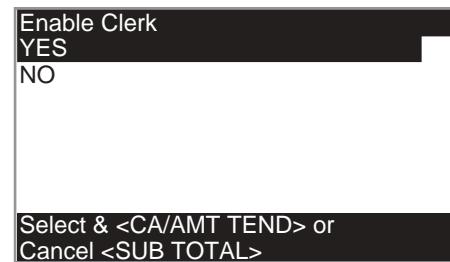
2 Using  $\Delta$  or  $\nabla$  keys, select [General Setting] and press CA/AMT TEND key.



3 Select [Enable Clerk] and press CA/AMT TEND key.



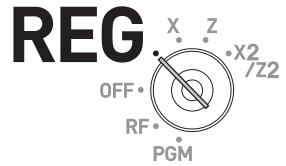
4 Using  $\Delta$  or  $\nabla$  keys, select [YES] and press CA/AMT TEND key.



# Advanced programmings and registrations

## Registrations with clerk assignment

By signing a clerk on, the clerk name will be printed on receipts and sales reports.



Step	Operation	Printout
<b>1</b> Enter the clerk number and press <b>CLK#</b> key.	<b>1</b> <b>CLK#</b>	<b>* commercial message *</b>  REG 20-06-2018 11:58 C01 0001 000123 1  1 DEPT01 T1 \$1.00
<b>2</b> Perform registration operations. The clerk name is printed on receipts and displayed on top of the display.		
<b>3</b> To sign a clerk off, enter <b>0</b> and <b>0</b> <b>CLK#</b> key. Or just press <b>SIGN OFF</b> key.		1: Clerk Name/Machine No./Consecutive No.

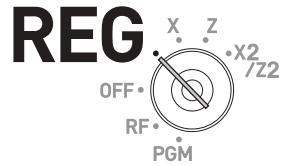
### Further operation:

You can sign on the register by clerk's secret number instead of clerk number. See page E-32.

# Advanced programmings and registrations

## Single item cash sales

A department key or a PLU programmed as single item sale status finalizes the transaction as soon as it is registered. This feature can be used only in cash sales. To program single item sales status see pages E-31.



### Sample operation 1: Simple single item sale

Item	Dept. 01	\$1.00	Dept. 01 is programmed as single item sale and unit price is not preset.
	Quantity	1	
	Preset	Single item	
	Payment	Cash	
		\$1.00	

Step	Operation	Printout
1	Enter the unit price then press corresponding department key. The transaction is finalized immediately after the department key depression.	<p>1 00 1</p> <p>1 DEPT001 \$1.00 TL \$1.00 CASH \$1.00</p>

### Sample operation 2: Single item sale with multiplication

Item	Dept. 01	\$1.00	Selling three pieces of items of dept. 01 in which unit price \$1.00 and single item sale status is pre-programmed.
	Quantity	3	
	Preset	Single item	
	Payment	Cash	
		\$3.00	

Step	Operation	Printout
1	Enter the quantity and press  key for multiplication.	<p>3 X / FOR DATE TIME</p> <p>3 DEPT001 \$3.00 TL \$3.00 CASH \$3.00</p>
2	Press corresponding department key. The transaction is finalized immediately.	<p>1</p>

# Advanced programmings and registrations

## Sample operation 3: Single item sale with another item

Item 1	Dept. 03	\$2.00	Dept. 03 is a normal department while dept. 01 is programmed as unit price \$1.00 and single item sale status.
	Quantity	1	
	Preset	Normal	
Item 2	Dept. 01	\$1.00	
	Quantity	1	
	Preset	Single item	
Payment	Cash	\$3.00	

Step	Operation	Printout				
1 Register item 1.	<b>2</b> <b>00</b> <b>3</b>					
2 Single item sale department key does not finalize the transaction as it is not single item sale.	<b>1</b>					
3 Press <b>CA/AMT/TEND</b> key to finalize the transaction.	<b>CA/AMT/TEND</b>	<table border="1"><tr><td>1 DEPT003 \$2.00</td></tr><tr><td>1 DEPT001 \$1.00</td></tr><tr><td>TL \$3.00</td></tr><tr><td>CASH \$3.00</td></tr></table>	1 DEPT003 \$2.00	1 DEPT001 \$1.00	TL \$3.00	CASH \$3.00
1 DEPT003 \$2.00						
1 DEPT001 \$1.00						
TL \$3.00						
CASH \$3.00						

# Advanced programmings and registrations

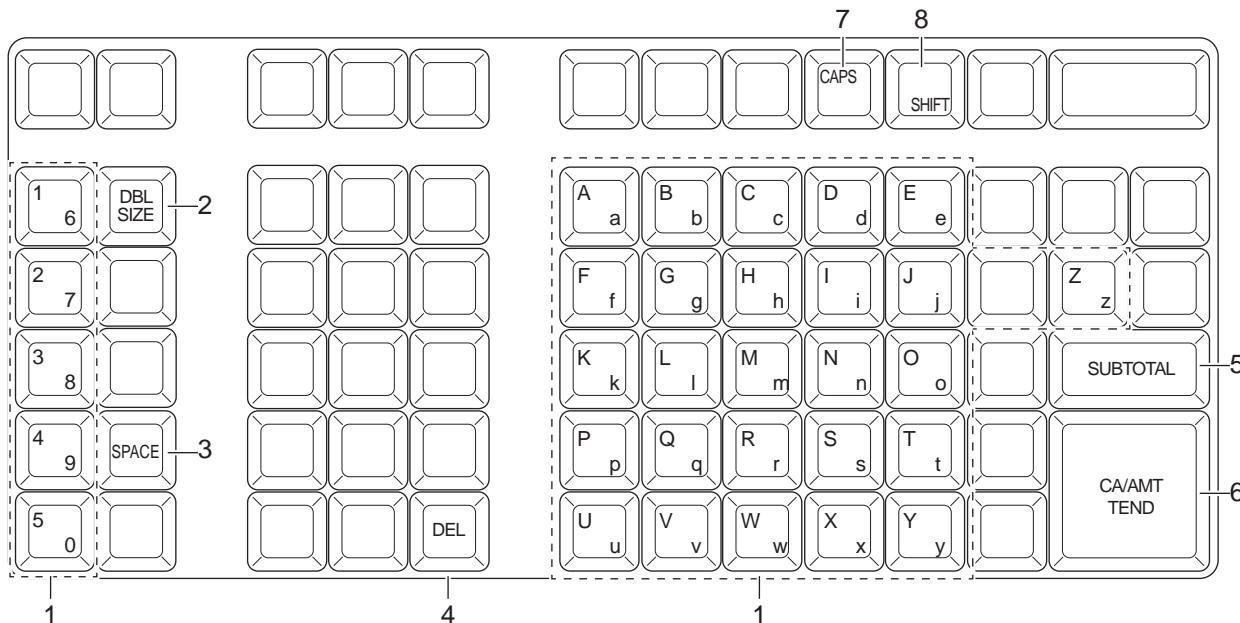
## Character settings

This chapter explains how you can program department or PLU descriptions, store messages, key descriptions, report title, total descriptions (such as gross total, net total etc.) and clerk names.

There are two ways to program characters which are using character keyboard and using multi typing of ten key.

### Using character keyboard

#### ■ Character keyboard



<b>1 Alphabet keys</b>	Used to input characters.
<b>2 Double size letter key</b>	Assigns the next input character to be double sized. After setting a double sized character, press this key again to back to normal size.
<b>3 Space key</b>	Sets a space.
<b>4 Delete key</b>	Clears the last input character.
<b>5 Program end key</b>	Terminates the character programming.
<b>6 Character enter key</b>	Registers the programmed characters.
<b>7 CAPS key</b>	Pressing this key shifts a character from the lowercase letter to uppercase letter.
<b>8 Shift key</b>	Pressing this key shifts the character from the uppercase letter to lowercase letter.

**Example:** To set “Apple Juice”

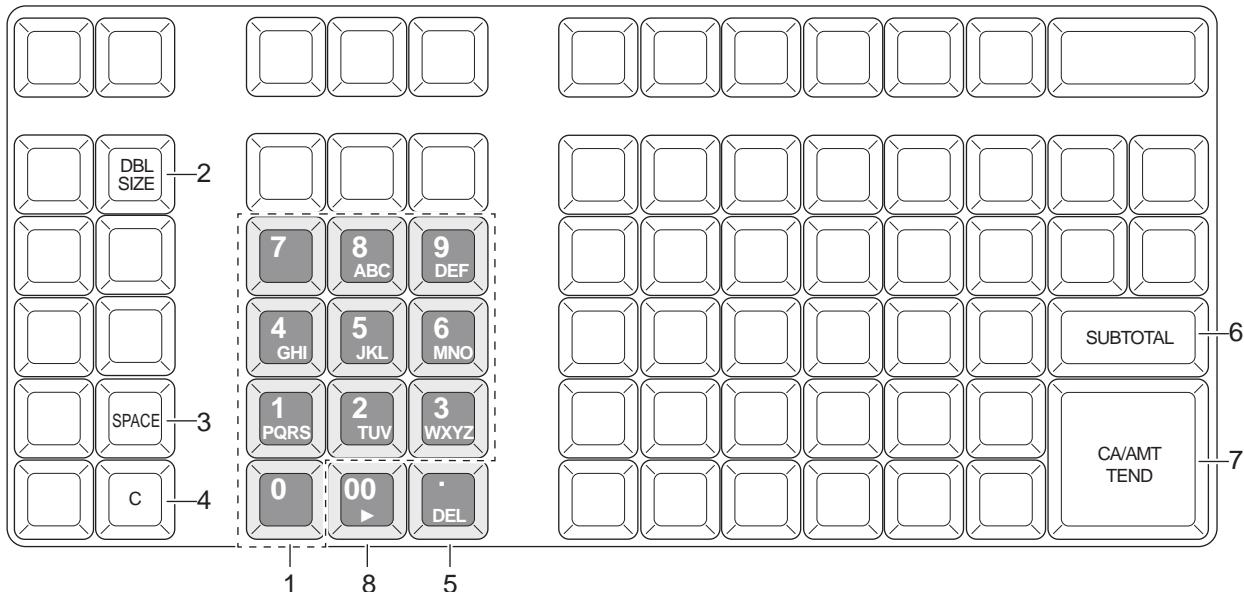
A p p l e J u i c e  
<DBL> <A> <DBL> <Shift> <p> <p> <l> <e> <Space> <CAPS> <J> <Shift> <u> <i> <c> <e> .

## Advanced programmings and registrations

## Using ten key pad

To set characters by using ten key, you need to press one of the ten key repeatedly until desired character appears on the display.

## ■ Multi typing keyboard



## 1 Alphabet keys

Hitting one of those keys repeatedly changes characters in the order shown in the table below.

8	A → B → C → a → b → c → 8 → Ä → Å → Æ → Á → Â → À → Ã → Ç → â → ä → à → å → æ → á → ã → ç returns to the beginning
9	D → E → F → d → e → f → 9 → Ø → É → Ê → Ë → Ë → Ë → Ë → Ë → Ë → Ë → Ë → f returns to the beginning
4	G → H → I → g → h → i → 4 → Í → Î → Ì → I → Ì → Í → Î → Ì → I → 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 → Ø → Ó → Ô → Õ → Õ → Ñ → Ô → Ö → Õ → Ø → Ø → Ó → Õ returns to the beginning
1	P → Q → R → S → p → q → r → s → 1 → p → p → ß returns to the beginning
2	T → U → V → t → u → v → 2 → TEL → Ü → Ú → Û → Û → Û → Û → Û → Û → Û → Û → Û → 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 → @ → - → / → : → ! → ? → ~ → ( → ) → * → # → + → , → ^ → ; → < → → = → > → \$ → ¥ → % → & → [ → ] → ' → { →   → } → • → " → . → \ → - → ` → £ → × → ö → ï → € → § → ¢ → space returns to the beginning

# Advanced programmings and registrations

2 <b>Double size letter key</b>	Assigns the next input character to be double sized. After setting a double sized character, press this key again for normal size.
3 <b>Space key</b>	Sets a space.
4 <b>Clear key</b>	Clears all the characters.
5 <b>Delete key</b>	Clears the last input character.
6 <b>Program end key</b>	Terminates the character programming.
7 <b>Character enter key</b>	Registers the programmed characters.
8 <b>Right cursor key</b>	Moves the cursor to the right.

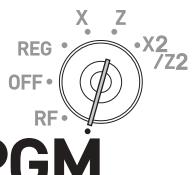
**Example:** To set **CLASS a**

C L A S S a  
<DBL> 8 8 8 5 5 5 <DBL> 8 1 1 1 1 00 1 1 1 1 <Space> 8 8 8 8

# Advanced programmings and registrations

## Setting characters

The following explanation shows how you can set a name in a PLU. You can also set names to departments, function keys ([-], [=]), and clerks by the same method.



**PGM**

### Sample Operation

To set "MILK" to PLU0001 by using ten key pad.

#### Step

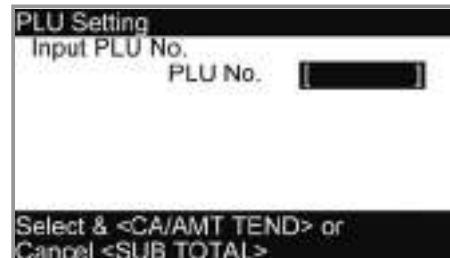
1 Turn the Mode switch to PGM position. The display shows the program top menu.

#### Display



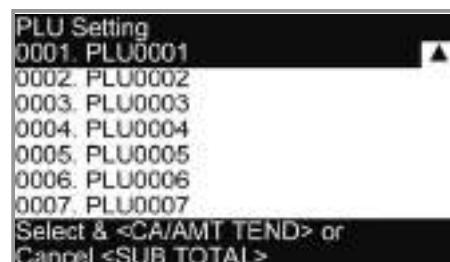
2 Using **△** or **▽** keys, select [PLU Setting] and press **CA/AMT TEND** key.

Enter the PLU number in which you wish to set characters and press **CA/AMT TEND** key.



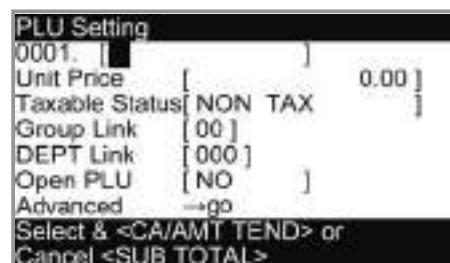
3 On the next screen, make sure that the PLU number you wish to set is selected. If you wish to change it, use **△** or **▽** keys.

Press **CA/AMT TEND** key.



4 Select the top column of the [PLU Setting screen] and input the character you wish to set. In this example,

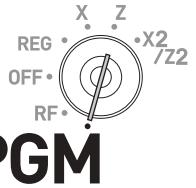
**6 4 4 4 5 5 5 0 0 5 5** (for MILK). Then press **CA/AMT TEND** key to complete the setting.



# Advanced programmings and registrations

## Setting symbol characters

You can change the symbols or titles of sales reports for example, printing "CASH IN DRW" on the sales reports instead of "CAID" for cash amount in drawer.



Step	Operation
1 Turn the Mode switch to PGM position and select [System Setting] then press <b>CA/AMT/TEND</b> key.	<b>▼</b> ..... <b>▼</b> <b>CA/AMT/TEND</b>
[System Setting] is the last column on the programming top menu and is not shown on the first screen. Keep pressing <b>▼</b> key until it appears on the screen.	
2 Enter <b>2</b> and press <b>SUB TOTAL</b> key to set the register in the character setting mode.	<b>2</b> <b>SUB TOTAL</b>
3 Referring the following tables, enter two-digit memory number and program code. Then press <b>SUB TOTAL</b> key.	<b>□ □</b> <b>□ □</b> <b>SUB TOTAL</b> [Memory No.](Program code)
4 Referring the character entry methods on pages E-61 and E-62, input characters you wish to set and press <b>CA/AMT/TEND</b> key.	<b>□ □</b> ..... <b>□</b> <b>□</b> <b>CA/AMT/TEND</b> (Character keys)
5 If you wish to set in the next memory number, repeat step 4. If you wish to set other memory number than the next number, repeat steps 3 and 4.	
6 Press <b>SUB TOTAL</b> key to complete the setting.	<b>SUB TOTAL</b>

**Example:** To set "CASH IN DRW" in memory number 3

Press **2** **SUB TOTAL** **0** **3** **0** **1** **SUB TOTAL** [C][A][S][H][SPACE][I][N][SPACE][D][R][W] **CA/AMT/TEND** **SUB TOTAL**

# Advanced programmings and registrations

## Sales report symbols

Memory No.	Program code	Contents	Default character	Memo for your settings
01	01	Gross total	GROSS	
02		Net total	NET	
03		Cash in drawer	CAID	
04		Charge in drawer	CHID	
05		Check in drawer	CKID	
06		Credit 1 in drawer	CRID(1)	
07		Credit 2 in drawer	CRID(2)	
08		Credit 3 in drawer	CRID(3)	
09		Credit 4 in drawer	CRID(4)	
10		Cash in drawer for sub currency	CAID2	
11		Charge in drawer for sub currency	CHID2	
12		Check in drawer for sub currency	CKID2	
17		Refund mode total	RF	
18		Customer count	CUST	
19		Average sales per customer	AVRG	
20		Clerk commission 1 total	C-1	
21		Clerk commission 2 total	C-2	
22		Foreign currency cash in drawer	CECA1	
23		Foreign currency check in drawer	CECK1	
26		Reduction	DC	
27		Coupon	COUPON	
28		Item return	REF	
29		Rounding for sub currency	ROUND	
30		Rounding	ROUND	
31		Cancellation	CANCEL	
33		Taxable amount 1	TA1	
34		Tax 1	TX1	
35		Taxable amount 2	TA2	
36		Tax 2	TX2	
37		Taxable amount 3	TA3	
38		Tax 3	TX3	
39		Taxable amount 4	TA4	
40		Tax 4	TX4	
41		Taxable amount 5	TA5	
42		Tax 5	TX5	
43		Taxable amount 6	TA6	
44		Tax 6	TX6	
45		Taxable amount 7	TA7	
46		Tax 7	TX7	
47		Taxable amount 8	TA8	
48		Tax 8	TX8	
49		Taxable amount 9	TA9	
50		Tax 9	TX9	
51		Taxable amount 10	TA10	
52		Tax 10	TX10	

## Advanced programmings and registrations

Memory No.	Program code	Contents	Default character	Memo for your settings
53	01	Tax total	TAX TOTAL	
54		Non taxable amount	NON TAX	

# Advanced programmings and registrations

## Other symbols

Numbers in ( ) are digits to be used.

Memory No.	Program code	Contents	Default character												
01	23	main currency symbol (2), @ (2), No.(2), split pricing (2), not used (4), sub currency symbol (2)	\$	@	N	o	/	*	*						
02		No. of item sold (2), No. of customers (2), not used (6), multiplication display(2)	N	o	C	T	@	L	B	*	Q	T			
03		multiplication symbol (6), not used (6)	X					B	U	S	Y				
04		taxable symbols (3 each)	T	1	T	2		T	3	T	4	T	5		
05		taxable symbols (3 each)	T	6	T	7		T	8	T	9	T	10		
06		taxable symbols (3 each)	T	1	2	T	1	3	T	1	4		T	2	3
08		foreign currency (2 each) not used (8)	*	*	*	*	*					*			
09		mode symbols (4 each) (REG, RF, not used)	R	E	G	R	F	R		-					
10		mode symbols (4 each) (PGM, Daily X, Daily Z, Periodic)	P	n	x			Z		X	Z				
11		mode symbols (4 each) (not used, PGM read)	T	R	G				P	G	M	X			
12		decimal (1) (for amount/ q'ty), separator (main/ sub 1 each), not used (3), square (7)	.	.	,	,	,	,		X					
13		am, pm (3each) ST symbol on main display (2)	A	M		P	M		S	T					
16		subtotal symbol on main display (16)	S	U	B	T	O	T	A	L					
17		subtotal symbol for discount/premium (16)	S	U	B	T	O	T	A	L					
18		post receipt total symbol (16)	T	L											
19		change symbol (16)	C	G											
01	20	grand total symbol (16)	G	T											

## Title of sales reports

Memory No.	Program code	Contents	Default character	Memo for your settings							
01	24	Fixed total report title	FIX								
02		Transaction key report title	TRANS								
03		PLU sales report title	PLU								
04		Department sales report title	DEPT								
05		Group sales report title	GROUP								
06		Clerk sales report title	CASHIER								
08		Hourly sales report title	HOURLY								
09		Monthly sales report title	MONTHLY								
16		Flash report title	FLASH								

# Advanced programmings and registrations

## Advanced programmings

This section explains how you can program detail settings of the register such as setting register's specific number, whether to reset consecutive number on the receipt after a Reset (Z) report or not, whether to print taxable amounts on receipts or not, etc.

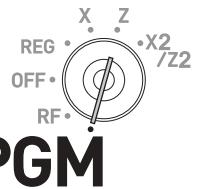
The following table lists what can be programmed in this settings.

Set code	Settings	No. of digit to be set
02	Cash register's unit number	4
03	Whether to reset consecutive number after Reset (Z) report or not	8
04	Tax system (USA or Canada)	9
05	Contents of receipt/journal print	10
06	Calculation and operation methods	10
08	Contents of sales reports 1	10
09	Contents of sales reports 2	10
10	Whether to print taxable amount or not	10
15	Printing methods of sales reports	10
16	Printing methods of grand total	7
17	Date/time printing on journals/receipts	4
19	Double height character printing on receipts	7
21	Printing methods of messages	10
27	Clerk operation selections	9
30	Receipt message/Compressed journal print selection	5
34	Backlight on/off selection	4

# Advanced programmings and registrations

## Programming detail settings

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



### Step

### Operation

1 Turn the Mode switch to PGM position and select [System Setting] then press **CA/AMT/TEND** key.

**▼** ----- **▼** **CA/AMT/TEND**

[System Setting] is the last column on the programming top menu and is not shown on the first screen. Keep pressing **▼** key until it appears on the screen.

2 Enter **3** and press **SUB TOTAL** key to set the register in the programming mode.

**3** **SUB TOTAL**

3 Referring the following tables, enter two-digit set code you wish to program followed by two 2s. "22" is the identification code for programming detail settings.

**□ □ 2 2**

[set code]

For example, if you wish to program tax system:

**0 4 2 2**

**□ □ ----- □ □ CA/AMT/TEND**

[Program code (up to 10 digits)]

**SUB TOTAL**

4 Referring the tables below, enter program code of up to 10 digits and press **CA/AMT/TEND** key.

5 Press **SUB TOTAL** key to complete the program.

### Set code 02 (Machine number)

Description	Selection	Program code	Default value
Machine number	Machine number	<b>□ □ □ □</b> D4 D3 D2 D1	<b>0 0 0 0</b> D4 D3 D2 D1

**Example:** To set the register's specific unit number 1234.

Press **3 SUB TOTAL 0 2 2 2 SUB TOTAL 1 2 3 4 CA/AMT/TEND SUB TOTAL**

### Set code 03 (Whether to reset consecutive number after Reset (Z) report or not)

Description	Selection	Program code	Default value
Reset consecutive number after daily reset report is issued.	Yes = 0 No = 1	<b>□</b> D8	<b>0</b> D8
Must be "0000000" (seven zeros)		<b>□ to □</b> D7 to D1	<b>0 to 0</b> D7 to D1

**Example:** Not resetting the consecutive number after Z report printing.

Press **3 SUB TOTAL 0 3 2 2 SUB TOTAL 1 0 0 0 0 0 0 CA/AMT/TEND SUB TOTAL**

# Advanced programmings and registrations

## Set code 04 (Tax system)

Description	Selection	Program code	Default value
Canadian rounding system Roundings Last digit: 0 to 2 → 0, 3 to 7 → 5, 8 and 9 → 10	No = 0 Yes = 7	<input type="checkbox"/> D10	<input type="checkbox"/> 0 D10
US tax system = 1, Canadian tax system = 2 (Default value depends on the country shipped to)	Select 1 or 2	<input type="checkbox"/> D9	<input type="checkbox"/> 1 or <input type="checkbox"/> 2 D9
Must be "00000000" (eight zeros)		<input type="checkbox"/> 0 to <input type="checkbox"/> 0 D8 to D1	<input type="checkbox"/> 0 to <input type="checkbox"/> 0 D8 to D1

**Example:** To set Canadian tax system with Canadian rounding system.

Press **3** SUB TOTAL **0 4 2 2** SUB TOTAL **7 2 0 0 0 0 0 0 0 0** CA/AMT TEND **SUB TOTAL**

## Set code 05 (Receipt printing selections)

Description	Selection	Program code	Default value
Print total line during finalization.	a Yes = 0 No = 1	<input type="checkbox"/> (a+b) D10	<input type="checkbox"/> 0 (a+b) D10
24- hour system (0) or 12 -hour system (2)	b Select 0 or 2		
Buffered receipt print (enables key operations during printing)	No = 0 Yes = 2	<input type="checkbox"/> D9	<input type="checkbox"/> 0 D9
Skip item prints on journal. (journal skip)	No = 0 Yes = 1	<input type="checkbox"/> D8	<input type="checkbox"/> 0 D8
Must be "000"		<input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 D7 D6 D5	<input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 D7 D6 D5
Print number of item sold. (item counter)	a No = 0 Yes = 1	<input type="checkbox"/> (a+b) D4	<input type="checkbox"/> 0 (a+b) D4
Print tax symbols.	b Yes = 0 No = 2		
Must be "000"		<input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 D3 D2 D1	<input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 D3 D2 D1

### Example:

- On a receipt, not printing total amount (a = 1), printing 12 -hour system (b = 2): D10 = 3 (1 + 2).
- Buffered receipt printing: D9 = 2.
- Not printing items on journal (journal skip): D8 = 1.
- D7 – D5 must be 000.
- Printing number of items (a = 1), not printing tax symbols (b = 2): D4 = 3 (1 + 2).
- D3 – D1 must be 000.

Press **3** SUB TOTAL **0 5 2 2** SUB TOTAL **3 2 1 0 0 0 3 0 0 0** CA/AMT TEND **SUB TOTAL**

# Advanced programmings and registrations

## Set code 06 (Calculation and operation methods)

Description		Selection	Program code	Default value
Succeeds the taxable status and commission status of previous item when +/- operation is performed.	a	Yes = 0 No = 1	(a+b) D10	0 (a+b) D10
Force money declarations before read(X) or reset (Z) reports operations.		No = 0 Yes = 4		
Force to press <b>SUB TOTAL</b> key before finalization.	a	No = 0 Yes = 1	(a+b+c) D9	0 (a+b+c) D9
Allow finalization when subtotal amount is zero or minus.		Yes = 0 No = 2		
Allow multiple refund operation.	c	Yes = 0 No = 4		
Affects the results of +/-, %+/- calculations to items. (Net totaling)		No = 0 Yes = 1	D8	0 D8
Include commission in net total.		Yes = 0 No = 2	D7	0 D7
Clears the key buffer when a receipt is issued. (REG mode only)	a	No = 0 Yes = 1	(a+b+c) D6	0 (a+b+c) D6
Sounds key catch tone.	b	Yes = 0 No = 2		
Allow to issue post receipt, even the original one is issued.	c	No = 0 Yes = 4		
Must be "000"			0 0 0 D5 D4 D3	0 0 0 D5 D4 D3
Use <00> key as <000> key.		<00> = 0 <000> = 4	D2	0 D2
Must be "0"			0 D1	0 D1

### Example:

- A +/- operation not succeeds taxable status and commission status (a = 1), amount in drawer should be declared before Z reporting (b = 4): D10 = 5 (1 + 4).
- **SUB TOTAL** key must always be pressed for a finalization (a = 1), not allowing zero or minus subtotal in a transaction (b = 2), not allowing multiple refund operations (c = 4): D9 = 7 (1 + 2 + 4).
- Affecting the result of +/-, %+/- to an item: D8 = 1.
- Not including commission in net total: D7 = 2.
- Clearing key buffer when a receipt is issued (a = 1), not sounding key catch tone (b = 2), issues post receipts even the original receipt is issued (c = 4): D6 = 7 (1 + 2 + 4).
- D5 – D3 must be 000.
- Using 00 key as 000 key D2 = 4.
- D1 must be 0.

Press **3** **SUB TOTAL** **0 6 2 2** **SUB TOTAL** **5 7 1 2 7 0 0 0 4 0** **CA/AMT TEND** **SUB TOTAL**

# Advanced programmings and registrations

## Set code 08 (Fixed total print control)

Description		Selection	Program code	Default value
Print gross sales total (GROSS) on fixed total report.	a	Yes = 0 No = 1	(a+b+c) D10	(a+b+c) D10
Print net sales total (NET) on fixed total report.	b	Yes = 0 No = 2		
Print cash in drawer (CAID) on fixed total report.	c	Yes = 0 No = 4		
Print charge in drawer (CHID) on fixed total report.			□ D9	5 D9
Print check in drawer (CKID) on fixed total report.	a	Yes = 0 No = 1	(a+b) D8	(a+b) D8
Print credit in drawer on (CRID(1) ~ (4)) on fixed total report.	b	Yes = 0 No = 4		
Must be "0"			□ D7	7 D7
Print RF mode total (RF) on fixed total report.			□ D6	3 D6
Print the net number of customers (CUST) on fixed total report.	a	Yes = 0 No = 1	(a+b) D5	(a+b) D5
Print average sales per customer (AVER) on fixed total report.	b	Yes = 0 No = 2		
Print tax total			□ D4	7 D4
Print commission 1 total (C-1) on fixed total report.	a	Yes = 0 No = 1	(a+b+c) D3	(a+b+c) D3
Print commission 2 total (C-2) on fixed total report.	b	Yes = 0 No = 2		
Print foreign currency cash in drawer (CECA1, CECA2) and check in drawer (CECK1, CECK2) on fixed total report.	c	Yes = 0 No = 4		
Print <MINUS>, <COUPON>,<%-> operation net total (DC) on fixed total report.	a	Yes = 0 No = 1	(a+b) D2	(a+b) D2
Print total number of <REFUND> operation (RF) on fixed total report.	b	Yes = 0 No = 2		
Print nontaxable totals (NON TAX) on fixed total report.	a	Yes = 0 No = 1	(a+b+c) D1	(a+b+c) D1
Print rounded fractions (ROUND) on fixed total report.	b	Yes = 0 No = 2		
Print number of cancellation (CANCEL) on fixed total report.	c	Yes = 0 No = 4		

# Advanced programmings and registrations

## Example:

- On the fixed total report, not printing gross sales total (a = 1), not printing net sales total (b = 2), not printing cash in drawer. (c = 4): D10 = 7 (1 + 2 + 4).
- Not printing charge in drawer on fixed total report: D9 = 2.
- On fixed total report, not printing check amount in drawer (a = 1), not printing credit amount in drawer (b = 4): D8 = 5 (1 + 4).
- D7 must be always 0.
- Not printing refunded amount in RF mode on fixed total report: D6 = 4.
- Not printing total number of customers on fixed total report (a = 1), not printing average sales amount per customer (b = 2): D5 = 3 (1 + 2).
- Print tax total : D4 = 0
- On fixed total report, not printing commission 1 amount (a = 1), not printing commission 2 amount (b = 2), not printing amount of foreign currency cash and check (c = 4): D3 = 7 (1 + 2 + 4).
- On fixed total report, not printing net total of <MINUS>, <COUPON>, <%> etc. (a = 1), not printing <REFUND> and <VOID> amounts (b = 2): D2 = 3 (1 + 2).
- On fixed total report, not printing non-taxable amounts (a = 1), not printing rounded down amount (b = 2), not printing cancelled amount (c = 4): D1 = 7 (1 + 2 + 4).

Press **3** **SUB TOTAL** **0 8 2 2** **SUB TOTAL** **7 2 5 0 4 3 0 7 3 7** **CA/AMT TEND** **SUB TOTAL**

# Advanced programmings and registrations

## Set code 09 (Fixed total print control 2)

Description		Selection	Program code	Default value
Print taxable amount 1 total on fixed total report. (TA1)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D10	<b>4</b> D10
Print tax 1 total on fixed total report. (TX1)	b	Yes = 0 No = 2		
Print taxable amount 2 total on fixed total report. (TA2)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D9	<b>4</b> D9
Print tax 2 total on fixed total report. (TX2)	b	Yes = 0 No = 2		
Print taxable amount 3 total on fixed total report. (TA3)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D8	<b>7</b> D8
Print tax 3 total on fixed total report. (TX3)	b	Yes = 0 No = 2		
Print taxable amount 4 total on fixed total report. (TA4)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D7	<b>7</b> D7
Print tax 4 total on fixed total report. (TX4)	b	Yes = 0 No = 2		
Print taxable amount 5 total on fixed total report. (TA5)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D6	<b>7</b> D6
Print tax 5 total on fixed total report. (TX5)	b	Yes = 0 No = 2		
Print taxable amount 6 total on fixed total report. (TA6)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D5	<b>7</b> D5
Print tax 6 total on fixed total report. (TX6)	b	Yes = 0 No = 2		
Print taxable amount 7 total on fixed total report. (TA7)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D4	<b>7</b> D4
Print tax 7 total on fixed total report. (TX7)	b	Yes = 0 No = 2		
Print taxable amount 8 total on fixed total report. (TA8)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D3	<b>7</b> D3
Print tax 8 total on fixed total report. (TX8)	b	Yes = 0 No = 2		
Print taxable amount 9 total on fixed total report. (TA9)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D2	<b>7</b> D2
Print tax 9 total on fixed total report. (TX9)	b	Yes = 0 No = 2		
Print taxable amount 10 total on fixed total report. (TA10)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D1	<b>7</b> D1
Print tax 10 total on fixed total report. (TX10)	b	Yes = 0 No = 2		

# Advanced programmings and registrations

## Set code 10 (Print control of taxable amount)

Description		Selection	Program code	Default value
Print taxable amount 1 on receipt/journal.	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b+c) D10	<input type="checkbox"/> 0 D10
Print taxable amount 2 on receipt/journal.	b	Yes = 0 No = 2		
Print taxable amount 3 on receipt/journal.	c	Yes = 0 No = 4		
Print taxable amount 4 on receipt/journal.	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b+c) D9	<input type="checkbox"/> 0 D9
Print taxable amount 5 on receipt/journal.	b	Yes = 0 No = 2		
Print taxable amount 6 on receipt/journal.	c	Yes = 0 No = 4		
Print taxable amount 7 on receipt/journal.	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b+c) D8	<input type="checkbox"/> 0 D8
Print taxable amount 8 on receipt/journal.	b	Yes = 0 No = 2		
Print taxable amount 9 on receipt/journal.	c	Yes = 0 No = 4		
Print taxable amount 10 on receipt/journal.		Yes = 0 No = 1	<input type="checkbox"/> D7	<input type="checkbox"/> 0 D7
Must be "000000" (six zeros)	a	Yes = 0 No = 1	<input type="checkbox"/> 0 to <input type="checkbox"/> 0 D6 to D1	<input type="checkbox"/> 0 to <input type="checkbox"/> 0 D6 to D1

# Advanced programmings and registrations

## Set code 15 (Printing methods of sales reports)

Description		Selection	Program code	Default value
Department zero skip (Departments of sales amount zero are not printed on sales reports.)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D10	<input type="checkbox"/> (a+b) D10
Clerk zero skip (Zero amounted clerks are not printed on sales reports.)		Yes = 0 No = 2		
Transaction key zero skip (Transaction keys of sales amount zero are not printed on sales reports.)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b+c) D9	<input type="checkbox"/> (a+b+c) D9
PLU zero skip (Zero amounted PLUs are not printed on sales reports.)		Yes = 0 No = 2		
Hourly sales report skip (Zero amounted time zones are not printed on sales reports.)	c	Yes = 0 No = 4		
Group zero skip (Zero amounted groups are not printed on sales reports.)		Yes = 0 No = 1	<input type="checkbox"/> D8	<input type="checkbox"/> D8
Must be "00"			<input type="checkbox"/> D7 D6	<input type="checkbox"/> D7 D6
Print PLU numbers on the PLU report.		No = 0 Yes = 4	<input type="checkbox"/> D5	<input type="checkbox"/> D5
Print sales ratio on sales reports.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D4	<input type="checkbox"/> (a+b) D4
Issue double Z reports.		No = 0 Yes = 2		
Must be "000"			<input type="checkbox"/> D3 D2 D1	<input type="checkbox"/> D3 D2 D1

## Set code 16 (Printing methods of grand total)

Description		Selection	Program code	Default value
Print range of consecutive number on fixed total report.		No = 0 Yes = 1	<input type="checkbox"/> D7	<input type="checkbox"/> D7
Must be "00111"			<input type="checkbox"/> D6 D5 D4 D3 D2	<input type="checkbox"/> D6 D5 D4 D3 D2
Print grand total on daily sales reset (Z) report.		Yes = 0 No = 1	<input type="checkbox"/> D1	<input type="checkbox"/> D1

# Advanced programmings and registrations

## Set code 17 (Date/time printing on journals/receipts)

Description		Selection	Program code	Default value
Print date on journal.	a	Yes = 0 No = 2	<input type="checkbox"/> (a+b) D4	<input type="checkbox"/> 0 (a+b) D4
Print consecutive number on receipt/journal.		Yes = 0 No = 4		
Print time on receipt.	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D3	<input type="checkbox"/> 0 (a+b) D3
Print time on journal.		Yes = 0 No = 2		
Must be "0"			<input type="checkbox"/> 0 D2	<input type="checkbox"/> 0 D2
Alert electronic journal near end/end.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D1	<input type="checkbox"/> 0 D1
Reset electronic journal (internal) after issuing daily reset report.		Yes = 0 No = 2		
Store sales data and electronic journal data in SD card.	c	No = 0 Yes = 4		

## Set code 19 (Double height character printing on receipts)

Description	Selection	Program code	Default value
Print receipt in double height characters	No = 0 Yes = 1	<input type="checkbox"/> D7	<input type="checkbox"/> 0 D7
Must be "000000" (six zeros)		<input type="checkbox"/> 0 <input type="checkbox"/> 0 D6 D5 D4 D3 D2 D1	<input type="checkbox"/> 0 <input type="checkbox"/> 0 D6 D5 D4 D3 D2 D1

## Set code 21 (Printing methods of messages)

Description		Selection	Program code	Default value
Print graphic type logo. (If "No" is selected, character logo will be printed.)		No = 0 Yes = 2	<input type="checkbox"/> D10	<input type="checkbox"/> 2 D10
Must be "000"			<input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 D9 D8 D7	<input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 D9 D8 D7
Print commercial message on receipts in REG/RF mode.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D6	<input type="checkbox"/> 0 (a+b) D6
Print bottom message on receipts in REG/RF mode.		No = 0 Yes = 2		
Must be "0000"			<input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 D5 D4 D3 D2	<input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 D5 D4 D3 D2
Must be "0".			<input type="checkbox"/> 0 D1	<input type="checkbox"/> 0 D1

# Advanced programmings and registrations

## Set code 27 (Clerk operation selections)

Description	Selection	Program code	Default value
Allow clerk functions. Yes = 4	No = 0 Yes = 4	<input type="checkbox"/> D9	<input type="checkbox"/> D9
Must be "00000000"		<input type="checkbox"/> 0 to <input type="checkbox"/> 0 D8 to D1	<input type="checkbox"/> 0 to <input type="checkbox"/> 0 D8 to D1

## Set code 30 (Thermal printer control)

Description	Selection	Program code	Default value
Select POP image: Effective when D5 is 1; always print same image.	Image1 = 1 Image2 = 2 Image3 = 3 Image4 = 4 Image5 = 5	<input type="checkbox"/> D6	<input type="checkbox"/> D6
Print condition of POP message. No printing: 0 ①Always print the same POP message; 1 ②Print POP when particular item is registered; 2 ③Print POP according to the amount; 3	No = 0 ① = 1 ② = 2 ③ = 3	<input type="checkbox"/> D5	<input type="checkbox"/> D5
Journal compressed print (print half height characters)	Yes = 0 No = 1	<input type="checkbox"/> D4	<input type="checkbox"/> D4
Must be "000"		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D3 D2 D1	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D3 D2 D1

## Set code 34 (Backlight control)

Description	Selection	Program code	Default value
Backlight	Functions = 0 Not functions = 1	<input type="checkbox"/> D4	<input type="checkbox"/> D4
Must be "0"		<input type="checkbox"/> D3	<input type="checkbox"/> D3
Backlight off timer (01~59 minutes, "00" means always on.)		<input type="checkbox"/> <input type="checkbox"/> D2 D1	<input type="checkbox"/> <input type="checkbox"/> D2 D1

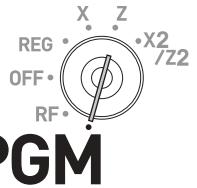
# Advanced programmings and registrations

## Programming functions of departments and PLUs in a lump

There are two methods to set functions of departments or PLUs which are programming at once and programming individual functions.

### Programming department functions in a lump

This method programs function of a department at one time.



**PGM**

#### Step

- 1 Turn the Mode switch to PGM position and select [System Setting] then press **CA/AMT/TEND** key.
- 2 Enter **3** and press **SUB TOTAL** key to set the register in the programming mode.
- 3 You can skip this step if you program in departments 01 through 30. If you wish to program in departments 31 through 60, press **DEPT SHIFT/DEPT#** key.
- 4 Referring following table, input 12- digit program code.
- 5 Press the department key you wish to program
- 6 Repeat steps 3 through 5 if you wish to program functions in another departments.
- 7 Press **SUB TOTAL** key to complete the program.

#### Operation



[Program code (12 digits)]



For example, programming in dept. 26.



#### Example:

Programming department 31 as;

- Normal item: D12 = 0.
- D11 through D8 must be 0000.
- US taxable status 1 (a = 1) and 2 (b = 2): D7 = 3 (1 + 2)
- Allowing zero unit price (a = 1), not allowing negative unit price (b = 0), hash item (c = 4): D6 = 5 (1 + 0 + 4).
- D5 must always be 0.
- Limiting minimum entry digit: 3 digits: D4 = 3.
- As this example is for setting functions in a department, D3 should be 0.
- Applying commission 1 (a = 1), not applying commission 2 (b = 0): D2 = 1 (1 + 0).
- D1 must always be 0.

Press **3** **SUB TOTAL** **DEPT SHIFT/DEPT#** **0 0 0 0 0 3 5 0 3 0 1 0** **1** **SUB TOTAL**

# Advanced programmings and registrations

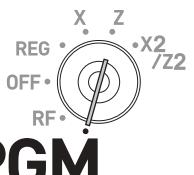
## Department and PLU lump set code

Description			Selection	Program code	Default value
Single item sales: Normal item = 0, Single item = 3			0 or 3	<input type="checkbox"/> D12	<input type="checkbox"/> D12
Must be "0000"			0000	<input type="checkbox"/> 0 0 0 0 D11 D10 D9 D8	<input type="checkbox"/> 0 0 0 0 D11 D10 D9 D8
Taxable status	Taxable status for USA	Taxable status 1	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D7
		Taxable status 2	b	No = 0 Yes = 2	
		Taxable status 3	c	No = 0 Yes = 4	
	Taxable status for Canada	Non tax = 0, Taxable 1 = 1, Taxable 2 = 2, Taxable 3 = 3, Taxable 4 = 4, Taxable 1 & 2 = 5, Taxable 1 & 3 = 6, Taxable 1 & 4 = 7			<input type="checkbox"/> D7
Enable zero unit price.			a	No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D6
Enable negative price.			b	No = 0 Yes = 2	
Hash item			c	No = 0 Yes = 4	
Department only. POP print file. Effective when set code 30's D5 = 2 (print when particular item is registered).				<input type="checkbox"/> Image1 = 1 Image2 = 2 Image3 = 3 Image4 = 4 Image5 = 5	<input type="checkbox"/> D5
Low digit limitation (LDL) for manually entered unit price.				<input type="checkbox"/> Number of digits	<input type="checkbox"/> D4
Open PLU (only for PLU)				<input type="checkbox"/> No = 0 Yes = 4	<input type="checkbox"/> D3
Commission 1 (give commission on items)			a	No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D2
Commission 2			b	No = 0 Yes = 2	
Prepared status (Canadian tax)			c	Yes = 0 No = 4	
Must be "0"				<input type="checkbox"/> D1	<input type="checkbox"/> D1

# Advanced programmings and registrations

## Programming PLU functions in a lump

This method programs functions of a PLU at one time.



**PGM**

### Step

- 1 Turn the Mode switch to PGM position and select [System Setting] then press **CA/AMT TEND** key.
- 2 Enter **3** and press **SUB TOTAL** key to set the register in the programming mode.
- 3 Enter four-digit PLU number then press **PLU/S.DEPT** key.
- 4 Referring the table in the previous section, input 12- digit program code.
- 5 Press **CA/AMT TEND** key.
- 6 Repeat steps 3 through 5 if you wish to program functions in another PLU.
- 7 Press **SUB TOTAL** key to complete the program.

### Operation

**CA/AMT TEND**

**3** **SUB TOTAL**

**0 0 1 4** **PLU/S.DEPT**

For example, to program PLU number fourteen.

**0 0 1 4** **PLU/S.DEPT**  
[Program code (12 digits)]

**CA/AMT TEND**

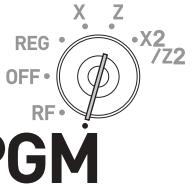
**SUB TOTAL**

# Advanced programmings and registrations

## Programming functions of departments and PLUs individually

### Programming functions of departments individually

This part explains programming methods of each function of departments individually.



#### Step

- 1 Turn the Mode switch to PGM position and select [System Setting] then press **CA/AMT TEND** key.
- 2 Enter **3** and press **SUB TOTAL** key to set the register in the programming mode.
- 3 Referring the following table, enter two-digit set code you wish to program followed by two 6s. The "66" is the identification code for individual programming of departments and PLUs. Then press **SUB TOTAL** key.
- 4 You can skip this step if you program in departments 01 through 30. If you wish to program in departments 31 through 60, press **DEPT SHIFT/ DEPT#** key.
- 5 Referring the following table, enter program code and press the department key in which you wish to set.
- 6 If you wish to set the same function in another department, press the corresponding dept. key.
- 7 Repeat steps 4 and 5 to set another function in another department.
- 8 Press **SUB TOTAL** key to complete the program.

#### Operation

**▼** ----- **▼** **CA/AMT TEND**

**3** **SUB TOTAL**

**□** **□** **6** **6** **SUB TOTAL**  
(set code)

**DEPT SHIFT/ DEPT#**

**1** **2** **3** **□** **3**

This example is for linking dept. 03 to item group 123 assuming set code 11 has been entered in step 3 and **DEPT SHIFT/ DEPT#** key is not pressed in step 4.

**4**

This example is for setting the same linking group in dept. 04.

**SUB TOTAL**

# Advanced programmings and registrations

## Set code table

Set code	Description			Selection	Program code
03	Taxable status	Taxable status for USA	Always "0"		0
			Taxable status 1		a No = 0 Yes = 1
			Taxable status 2		b No = 0 Yes = 2
			Taxable status 3		c No = 0 Yes = 4
		Taxable status for Canada	Non tax = 00, Taxable 1 = 01, Taxable 2 = 02, Taxable 3 = 03, Taxable 4 = 04, Taxable 1 & 2 = 05, Taxable 1 & 3 = 06, Taxable 1 & 4 = 07		00 to 07
04	Open PLU (Only for PLU)			No = 0 Yes = 4	<input type="checkbox"/>
05	Allow unit price 0			a No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D1
	Allow negative unit price.			b No = 0 Yes = 2	
	Hash item			c No = 0 Yes = 4	
07	Minimum digit of manual input unit price			Number of minimum digit	<input type="checkbox"/>
09	Commission 1			a No = 0 Yes = 1	<input type="checkbox"/> (a+b+c)
	Commission 2			b No = 0 Yes = 2	
	Prepared status (Canadian tax)			c Yes = 0 No = 4	
11	Linking group (000 to 999)			000 to 999	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D7 D6 D5
	Must be 0			0	<input type="checkbox"/> 0 D4
	Linking dept. (000 to 999) (Only for PLU)			000 to 999	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D3 D2 D1
15	Maximum amount of manual input unit price (up to 9999.99)				<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D6 D5 D4 D3 D2 D1
18	Single item control: Normal item = 0, Single item = 3			0 or 3	<input type="checkbox"/>

**Example 1:** To program dept. 01 as USA taxable 1 & 2

3  SUB TOTAL 0 3 6 6  SUB TOTAL 0 3  1  SUB TOTAL

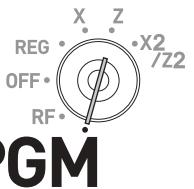
**Example 2:** To program dept. 02 to allow manual input unit price up to \$99.00.

3  SUB TOTAL 1 5 6 6  SUB TOTAL 9 9 0 0  2  SUB TOTAL

# Advanced programmings and registrations

## Programming functions of PLUs individually

This part explains programming methods of each function of PLUs individually.



### Step

- 1 Turn the Mode switch to PGM position and select [System Setting] then press **CA/AMT/TEND** key.
- 2 Enter **3** and press **SUB TOTAL** key to set the register in the programming mode.
- 3 Referring the tables in the proceeding section, enter two-digit set code you wish to program followed by two 6s. The "66" is the identification code for individual programming of departments and PLUs. Then press **SUB TOTAL** key.
- 4 Enter PLU number you wish to set and press **PLU/S.DEPT** key.
- 5 Referring the table in the preceding section, enter program code and press **CA/AMT/TEND** key.
- 6 If you wish to set the same program code in the next PLU number, press **CA/AMT/TEND** key again.

Perform step 5 if you wish to set another program code to the next PLU number.

To program in another PLU number (not next PLU number), repeat steps 4 and 5.

- 7 Press **SUB TOTAL** key to complete the settings.

### Operation

**CA/AMT/TEND**

**3** **SUB TOTAL**

**6** **6** **SUB TOTAL**  
(set code)

**0** **0** **0** **5** **PLU/S.DEPT**

This example is for setting a program in PLU 0005.

**CA/AMT/TEND**

**CA/AMT/TEND**

**SUB TOTAL**

#### Example 1: To set PLU 0001 as "Open PLU".

Press **3** **SUB TOTAL** **0** **4** **6** **6** **SUB TOTAL** **0** **0** **0** **1** **PLU/S.DEPT** **4** **CA/AMT/TEND** **SUB TOTAL**

#### Example 2: To set PLU0012 to link item group 12 and dept. 04.

Press **3** **SUB TOTAL** **1** **1** **6** **6** **SUB TOTAL** **0** **0** **1** **2** **PLU/S.DEPT** **0** **1** **2** **0** **0** **0** **4** **CA/AMT/TEND** **SUB TOTAL**

# Advanced programmings and registrations

## Programming functions of transaction keys

This section explains how you can program functions in each transaction keys such as **CA/AMT TEND**, **CH** or **-** keys. For example, programming **CA/AMT TEND** key to force entry of tendered amount.



### Step

- 1 Turn the Mode switch to PGM position and select [System Setting] then press **CA/AMT TEND** key.
- 2 Enter **3** and press **SUB TOTAL** key to set the register in the programming mode.
- 3 Referring the following tables, enter the program code then press corresponding transaction key.  
4 If you wish to program another transaction key, return to step 3.
- 5 Press **SUB TOTAL** key to complete the program.

### Operation

**CA/AMT TEND**

**3 SUB TOTAL**

**CA/AMT TEND**  
(Program code)

The above example is for programming minus key.

**SUB TOTAL**

### Program code tables

**NOTE** Default value of all the program codes are “0”

#### Program code for **CA/AMT TEND**, **CH** and **CHK** keys.

Description	Selection	Program code
Prohibit partial payment.	a No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D7
Prohibit tendered amount entry	b No = 0 Yes = 2	
Force to enter tendered amount.	c No = 0 Yes = 4	
Print breakdown of VAT. (Option for Single item or Currency exchange (including partial tendering foreign currency).)	No = 0 Yes = 1	<input type="checkbox"/> D6
Must be “0”	0	<input type="checkbox"/> D5
Maximum amount for subtotal and tendered amount. e.g.) \$90.00, D4 = 9, D3 = 3	D4: Maximum value (0 ~ 9) D3: Number of zeros (0 ~ 9)	<input type="checkbox"/> <input type="checkbox"/> D4 D3
Maximum amount of change due.	Maximum value (0 ~ 9) Number of zeros (0 ~ 9)	<input type="checkbox"/> <input type="checkbox"/> D2 D1

**Example 1:** To set **CA/AMT TEND** key as prohibiting partial payment (a = 1), not prohibiting tendered amount entry (b = 0), and forcing to enter tendered amount (c = 4): D7 = 5.

Press **3 SUB TOTAL 5 0 0 0 0 0 CA/AMT TEND SUB TOTAL**

# Advanced programmings and registrations

## Program code for **RA** and **PO** keys

Description	Selection	Program code
Maximum amount. e.g.) \$100.00; D4 = 1, D3 = 4.	Maximum value (0 ~ 9)	<input type="checkbox"/> <input type="checkbox"/> D4 D3
	Number of zeros (0 ~ 9)	
Must be "00"	00	<input type="checkbox"/> <input type="checkbox"/> D2 D1

**Example:** To set **PO** key not allowing to enter more than \$9.00.

Press **3** **SUB TOTAL** **9** **2** **0** **0** **PO** **SUB TOTAL**

## Program code for **-** key

Description		Selection	Program code
Taxable status for USA	Always "0"	0	<input type="checkbox"/> <b>0</b> D8
	Taxable status 1	a No = 0 Yes = 1	
	Taxable status 2	b No = 0 Yes = 2	<input type="checkbox"/> (a+b+c) D7
	Taxable status 3	c No = 0 Yes = 4	
	Taxable status for Canada	Non tax = 00, Taxable 1 = 01, Taxable 2 = 02, Taxable 3 = 03, Taxable 4 = 04, Taxable 1 & 2 = 05, Taxable 1 & 3 = 06, Taxable 1 & 4 = 07	00 to 07 <input type="checkbox"/> <input type="checkbox"/> D8 D7
Allow credit balance.		No = 0 Yes = 1	<input type="checkbox"/> D6
Must be "00"		00	<input type="checkbox"/> <input type="checkbox"/> D5 D4
Maximum digit of manual input unit price (Setting "9" programs NOT allowing manual entry.)		Number of digit	<input type="checkbox"/> D3
Give commission 1		a No = 0 Yes = 1	
Give commission 2		b No = 0 Yes = 2	<input type="checkbox"/> (a+b+c) D2
Prepared status (Canadian tax)		c Yes = 0 No = 4	
Must be "0"		0	<input type="checkbox"/> D1

# Advanced programmings and registrations

## Program code for key

Description			Selection	Program code
Taxable status	Taxable status for USA	Always "0"	0	<input checked="" type="checkbox"/> 0 D8
		Taxable status 1	a No = 0 Yes = 1	
		Taxable status 2	b No = 0 Yes = 2	
		Taxable status 3	c No = 0 Yes = 4	
	Taxable status for Canada	Non tax = 00, Taxable 1 = 01, Taxable 2 = 02, Taxable 3 = 03, Taxable 4 = 04, Taxable 1 & 2 = 05, Taxable 1 & 3 = 06, Taxable 1 & 4 = 07	00 to 07	<input type="checkbox"/> <input type="checkbox"/> D8 D7
Prohibit manual rate entry.			No = 0 Yes = 2	<input type="checkbox"/> D6
Rounding: Round off = 0, Cut off = 1, Round up = 2			0, 1 or 2	<input type="checkbox"/> D5
Must be "00"			00	<input checked="" type="checkbox"/> 0 D4 D3
Give commission 1		a No = 0 Yes = 1		
Give commission 2		b No = 0 Yes = 2		
Prepared status (Canadian tax)		c Yes = 0 No = 4		
Must be "0"			0	<input checked="" type="checkbox"/> 0 D1

## Program code for key

Description			Selection	Program code
Allow mode change or clerk change after  key operation as first transaction. (Only for non-add function)			Yes = 0 No = 1	<input type="checkbox"/> D7
Must be "000000"			000000	<input checked="" type="checkbox"/> 0 <input checked="" type="checkbox"/> 0 D6 D5 D4 D3 D2 D1

# Advanced programmings and registrations

## Program code for key

Description	Selection	Program code
Multiplication procedure ① Quantity x Amount, ② Amount x Quantity	① = 0 ② = 1	<input type="checkbox"/> D6
Roundings: Round off = 0, Cut off = 1, Round up = 2	0, 1, or 2	<input type="checkbox"/> D5
Must be "0000"	0000	<input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 D4 D3 D2 D1

## Program code for and keys

Description	Selection	Program code
Taxable status (01 ~ 04) (Taxable 1 if "00" is set)	01 to 04	<input type="checkbox"/> <input type="checkbox"/> D8 D7
Must be "000000"	000000	<input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 D6 D5 D4 D3 D2 D1

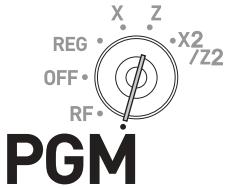
## Program code for key.

Description	Selection	Program code
Prohibit partial payment.	a b c	No = 0 Yes = 1
Prohibit tendered amount entry		No = 0 Yes = 2
Force to enter tendered amount.		No = 0 Yes = 4
Print breakdown of VAT.	No = 0 Yes = 1	<input type="checkbox"/> D6
Must be "0"	0	<input type="checkbox"/> D5
Maximum amount for subtotal and tendered amount. e.g.) \$90.00, D4 = 9, D3 = 3	D4: Maximum value (0 ~ 9) D3: Number of zeros (0 ~ 9)	<input type="checkbox"/> <input type="checkbox"/> D4 D3
Must be "00"	00	<input type="checkbox"/> 0 <input type="checkbox"/> 0 D2 D1

# Advanced programmings and registrations

## Programming further clerk functions

This section explains how you can set further programming for clerks such as setting the register in training mode or setting commission rates given to clerks. In the training mode, the register operates normally but the results will not be stored in the memory. You can use this feature for getting to know the operations of the cash register for yourself or for newly hired clerks.



### Step

- 1 Turn the Mode switch to PGM position and select [System Setting] then press **CA/AMT TEND** key.
- 2 Enter **3** and press **SUB TOTAL** key to set the register in the programming mode.
- 3 Enter 2-digit clerk number followed by 07. The "07" is the identification code for further program of clerks. Then press **o** key. The example on the right is for programming to clerk number 10.
- 4 Referring the following tables, input the set code you wish to program and press **SUB TOTAL** key. The example on the right is for setting a commission rate.
- 5 Enter the program code and press **CA/AMT TEND** key. The example on the right is for setting 8.5% to commission rate 1 and 5% to commission 2.
- 6 If you wish to set the same program to the next clerk number, perform the step 5 again. When you set to another clerk (not next clerk number), repeat steps 3 through 5.
- 7 Press **SUB TOTAL** key to complete the settings.

### Operation

**▼** **.....** **▼** **CA/AMT TEND**

**3** **SUB TOTAL**

**1 0 0 7** **SUB TOTAL**  
(Clerk no.)

**6 8** **SUB TOTAL**  
(set code)

**0 8 5 0 0 5 0 0** **CA/AMT TEND**  
(program code)

### Set code 67 (Training mode)

Description	Selection	Program code
Training mode	No = 0 Yes = 1	<input type="checkbox"/> D6
Must be "00000"		<b>0 0 0 0</b> D5 D4 D3 D2
Registration operable	Yes = 0 No = 1	<input type="checkbox"/> D1

**Example 1:** To set the clerk number 15 as a clerk being trained.

Press **3** **SUB TOTAL** **1 5 0 7** **SUB TOTAL** **1 0 0 0 0 0** **CA/AMT TEND** **SUB TOTAL**

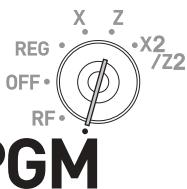
### Set code 68 (Commission rates)

Description	Selection	Program code
Commission rate 1 (integer)	00 to 99	<input type="checkbox"/> <input type="checkbox"/> D8 D7
Commission rate 1 (decimal)	00 to 99	<input type="checkbox"/> <input type="checkbox"/> D6 D5
Commission rate 2 (integer)	00 to 99	<input type="checkbox"/> <input type="checkbox"/> D4 D3
Commission rate 2 (decimal)	00 to 99	<input type="checkbox"/> <input type="checkbox"/> D2 D1

# Advanced programmings and registrations

## Printing programmed data

After programs have been set, you can print the programmed data.



### To print programmed unit price or percentage (other than PLU)

#### Step

- 1 Turn the Mode switch to PGM position and select [System Setting] then press **CA/AMT/TEND** key.
- 2 Enter **1** and press **SUB TOTAL** key.
- 3 Press **SUB TOTAL** key again. The printer starts to print preset data.

#### Printout

P01.....	1
CASH	00.00
-	@1.00
%-	10%
DEPT001	0001-05
DEPT002	0002-05

- 1: Program read symbol
- 2: Transaction key unit price or rate
- 3: Department descriptor/rec-#/05
- 4: Unit price

# Advanced programmings and registrations

## To print programmed characters (except PLUs)

### Step

1 Turn the Mode switch to PGM position and select [System Setting] then press  key.

2 Enter **2** and press  key.

3 Press  key again. The printer starts to print preset data.

### Printout

P02.....	1
GROSS	0001-01
NET	0002-01
CAID	0003-01
	0004-01
	0005-01
CASH	0001-02
CHECK	0002-02
	0003-02
	0004-02
DEPT001	0001-05
DEPT002	0002-05
	0003-05
	0004-05
GROUP01	0001-06
GROUP02	0002-06
GROUP03	0003-06
	0004-06
C01	0001-07
C02	0002-07
	0003-07
GT	0001-20
· @No/ **	
NoCT @LB *QT	0002-23
V BUSY	0003-23
FIX	0001-24
TRANS	0002-24
	0003-24
	0004-24
DAILY X	0001-29
PERIODIC 1X	0002-29
PERIODIC 2X	0003-29
	0004-29
0001-32	
YOUR RECEIPT	11
0002-32	
THANK YOU	
0001-39	
CHARACTER RECALL*****	
*****	12

- 1: Program read symbol
- 2: Fix total character
- 3: Transaction key character
- 4: Department character
- 5: Group character
- 6: Clerk character
- 7: GT character
- 8: Special character
- 9: Report header character
- 10: Batch X/Z character
- 11: Receipt message
- 12: Text recall character

# Advanced programmings and registrations

## To print general programming (except PLUs)

### Step

1 Turn the Mode switch to PGM position and select [System Setting] then press **CA/AMT/TEND** key.

2 Enter **3** and press **SUB TOTAL** key.

3 Press **SUB TOTAL** key again. The printer starts to print preset data.

### Printout

P03.....	1
CASH	0001-02
CHECK	0000000000000000
	0002-02
	0000000000000000
	0003-02
	0000000000000000
DEPT001	0001-05
	0000000000000000
11-66	00000000
15-66	@1.23
	0002-05
C01	0001-07
	0000010001
67	0000000000
0000	00000000
0001-09	00:00 -> 01:00
0002-09	01:00 -> 02:00
	02:00 -> 03:00
0001-22	2200000000
0002-22	0000000000
0000-00	0000000000
0001-28	
0002-28	
0001-25	
TX1	10.25%
TX1	0000
TX1	5003
DAILY X	0001-29
00	11-12-17-15-00
	00-00-00-00-00
000000000000	
0001-29	
1X	0002-29

- 1: Program read symbol
- 2: Transaction key program
- 3: Key character/rec-#/file-#
- 4: Key program
- 5: Department program/Key character/rec-#/file-#
- 6: Key program
- 7: Address code 11 program
- 8: Address code 15 program
- 9: Clerk program/Clerk name/rec-#/file-#
- 10: Check #/secret-#
- 11: Compulsory
- 12: Commission rate
- 13: Time range program
- 14: General control program
- 15: Tax table
- 16: Batch X/Z program

# Advanced programmings and registrations

## Printout

0001-30	0001-01	17
NET	0020-01	
0001-38	000001	18
REG1	204-000	19
1	001-000	
2	002-000	
DEPT001	026-051	
CASH	013-001	
0001-62	0000000000000000	20
	0000000000000000	
MC#01	0001-91	
	000000000	
0001-98	0000000000000000	21
0002-98	0000000000000000	

- 17: Clerk detail link program
- 18: Arrangement program/Rec-#/file-#/arrange no.
- 19: Key descriptor/rec-#/file-#
- 20: Scheduler program
- 21: I/O parameter table

## To print preset unit price of PLU

### Step

- 1 Turn the Mode switch to PGM position and select [System Setting] then press **CA/AMT TEND** key.
- 2 Enter **6** and press **SUB TOTAL** key to set the register in the programming mode.
- 3 Enter **1 0 4** and press **SUB TOTAL** key.
- 4 Enter starting PLU number and press **CA/AMT TEND** key. For example, if you wish to print from PLU number 0001, input **0 0 0 1** **CA/AMT TEND**.
- 5 Enter the last PLU number and press **CA/AMT TEND** key. For example, if you wish to print up to PLU number 0884, input **0 8 8 4** **CA/AMT TEND**.

### Printout

P01.....	1
#0001 - #0884	2
PLU0001 0001-04 @1.00	3
PLU0002 0002-04 @2.00	4

- 1: Program read symbol
- 2: Range of PLU No.
- 3: PLU name/rec-#/04
- 4: Unit price

# Advanced programmings and registrations

## To print preset characters of PLU

### Step

- 1 Turn the Mode switch to PGM position and select [System Setting] then press **CA/AMT /TEND** key.
- 2 Enter **6** and press **SUB TOTAL** key to set the register in the programming mode.
- 3 Enter **2 0 4** and press **SUB TOTAL** key.
- 4 Enter starting PLU number and press **CA/AMT /TEND** key.
- 5 Enter the last PLU number and press **CA/AMT /TEND** key.

### Printout

P02..... 1  
#0001 - #0010 2  
PLU0001 0001-04 3  
PLU0002 0002-04  
PLU0003 0003-04

1: Program 2 mode symbol  
2: Range of PLU No.  
3: PLU character

## To print PLU programmings

### Step

- 1 Turn the Mode switch to PGM position and select [System Setting] then press **CA/AMT /TEND** key.
- 2 Enter **6** and press **SUB TOTAL** key to set the register in the programming mode.
- 3 Enter **3 0 4** and press **SUB TOTAL** key.
- 4 Enter starting PLU number and press **CA/AMT /TEND** key.
- 5 Enter the last PLU number and press **CA/AMT /TEND** key.

### Printout

P03..... 1  
#0001 - #0010 2  
PLU0001 0001-04 3  
0000000000000000 4  
11-66 000000 5  
13-66 <- 0001-28 6  
14-66 0  
15-66 @1234.56 7  
PLU0002 0002-04

1: Program 3 mode symbol  
2: Range of PLU No.  
3: PLU name/rec-#/file-#  
4: Address code 01 ~ 10, 18 program  
5: Address code 11 program  
6: Address code 13 program  
7: Address code 15 program

# Advanced programmings and registrations

## Printing various sales reports

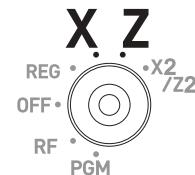
You can print categorized sales reports such as PLU sales report, item group sales report, hourly sales report etc.

**NOTE**

- Please do not perform the reset (Z) report during the business hour as it clears stored sales data from the memory.
- Please see page E-53 for printout sample of a daily report.

## Printing various sales reports

The followings are the example operation for printing an electronic journal (EJ) of February 28, 2018.



### Step

### Display

1 Turn the Mode switch to X or Z position. The display shows the top menu of sales reports.

DAILY X X 000003  
PLU  
GROUP  
HOURLY  
MONTHLY  
OPEN CHK  
FLASH  
Select & <CA/AMT TEND> 0

2 Using **△** or **▽** keys select the report you wish to obtain. The example on the right is for selecting electronic journal. As it is the lowest column, [EJ] is hidden from the default top menu. Select it by keep pressing **▽** key.

HOURLY X 000003  
MONTHLY  
OPEN CHK  
FLASH  
Time/Attend  
EJ  
EJ-SD  
Select & <CA/AMT TEND> 0

3 Input year, month, and day from ten key pad. The journal of assigned date will be printed if you press **CA/AMT TEND** key.

EJ  
Input  
DATE 28  
MONTH 02  
YEAR 20[ 18 ]  
Consecutive No. 000000  
Select & <CA/AMT TEND> or  
Cancel <SUB TOTAL>

# Advanced programmings and registrations

## ■ PLU sales report

X	PLU	0000014	1
PLU0001	17	2	2
0.53%	\$17.00	3	3
#0001		4	4
PLU0100	42	5	5
4.03%	\$69.00		
#0100			
TL	188.61	6	6
	\$516.10		7

- 1 Read symbol/report title
- 2 Report code
- 3 PLU name/Quantity
- 4 Sales ratio/PLU amount
- 5 PLU code
- 6 Total Quantity
- 7 Total amount

## ■ Item group sales report

X	GROUP	0000016	1
GROUP01	203.25	2	2
33.87%	\$1,108.54	3	3
GROUP02	183	4	4
40.58%	\$1,327.80	5	5
GROUP03	12	6	6
0.10%	\$13.25		
GROUP99	13		
0.54%	\$17.80		
TL	862	5	5
	\$3,272.00		6

- 1 Read symbol/report title
- 2 Report code
- 3 Group No./Quantity
- 4 Sales ratio/group amount
- 5 Total quantity of group
- 6 Group total amount

## ■ Hourly sales report

X	HOURLY	0000019	1
00:00->01:00	CT	1	2
GROSS	No	1	3
NET		1	4
1.90%		\$1.10	5
		\$1.20	6
23:00->00:00	CT	1	7
GROSS	No	1	
NET		1	
3.90%		\$3.45	
		\$3.59	
TL	CT	280	8
GROSS	No	\$1,937.61	9
NET		25	10
		\$2,096.80	11

- 1 Read symbol/report title
- 2 Report code
- 3 Time zone
- 4 No. of customers
- 5 Gross sales amount
- 6 No. of receipts
- 7 Sales ratio/net sales amount
- 8 Total No. of customers
- 9 Gross total amount
- 10 Total No. of receipt
- 11 Net total amount

# Advanced programmings and registrations

## ■ Monthly sales report

X	MONTHLY	0000020	1
1.....			2
GROSS	1236.76		3
	\$12,202.57		4
NET	No 214		5
	\$12,202.57		6
31.....			7
GROSS	213Z		
	\$14,187.57		
NET	No 205		
	\$13,398.76		
-----			
TL			8
GROSS	9746.63		9
	\$161,022.49		10
	\$16.52		11
NET	No 2351		12
	\$161,022.49		13
	\$68.49		14

- 1 Read symbol/report title
- 2 Report code
- 3 Date of month
- 4 Gross symbol/Quantity
- 5 Gross sales amount
- 6 Net symbol/No. of customers
- 7 Net sales amount
- 8 Total symbol
- 9 Gross symbol/Quantity
- 10 Gross sales amount
- 11 Daily gross sales average
- 12 Net symbol/No. of customers
- 13 Net sales amount
- 14 Daily net sales average

## ■ Flash report

X	FLASH	0000071	1
DECLA	\$6,919.04		2
	\$0.00		3
GROSS	111.15		4
	\$7,054.14		5
NET	No 120		6
	\$7,263.20		
CAID	\$6,919.04		7

- 1 Read report symbol/report title
- 2 Report code
- 3 Declared amount
- 4 Difference
- 5 Gross total
- 6 Net total
- 7 Cash in drawer

### About "Declared money" and "Cash in drawer"

If you programmed the register to force entry of total amount in drawer, you need to count the money in the drawer and input the amount (money declaration) before read (X) or reset (Z) report printing. On the other hand, "Cash in drawer" is the total money in the drawer calculated by the register so that you can compare the actual amount and the calculated amount.

To program money declaration, please see page E-72 "Set code 06".

# Advanced programmings and registrations

## ■ Electronic journal

X	EJ	1
	0000058	2
REG	06-20-2018 11:58	
C01	0001	000123
1	DEPOT01	T1 \$1.00
1	DEPT002	T1 \$2.00
5	DEPT003	\$5.00
	7 No	3
TA1		
TX1		\$0.15
TX1		\$0.10
TL		\$8.10
CASH		\$10.00
CG		\$1.90
REG	06-20-2018 11:59	
C01	0001	000124

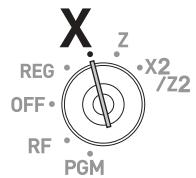
### About electronic journal

Instead of printing days' sales journal, the register stores daily sales report in the memory and you can obtain the report by assigning day or consecutive number.

# Advanced programmings and registrations

## To print individual department and PLUs

Instead of printing sales reports in a lump, you can obtain reports of specific departments or PLUs.



### Step

- 1 Turn the Mode switch to X position.
- 2 Just press department keys or enter PLU numbers.  
For example, **DEPT SHIFT/ DEPT#** **3** for Dept.033.  
**1** **PLU/ S.DEPT** **8** **9** **PLU/ S.DEPT** for PLUs 1 and 89.
- 3 Press **SUB TOTAL** key to exit from individual report printing.

### Printout

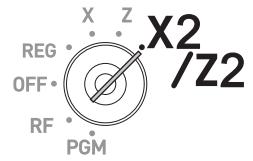
X	INDIVIDUAL	1
DEPT033	38	2
8. 13%	\$257. 53	3
PLU0001	17	4
0. 53%	\$17. 00	5
#0001		6
-----		
TL	88. 61	7
	\$516. 10	8

- 1: Read symbol/report title
- 2: Department Name/No. of items
- 3: Sales ratio/amount
- 4: PLU Name/No. of items
- 5: Sales ratio/PLU amount
- 6: PLU code
- 7: Total No. of items
- 8: Total amount

# Advanced programmings and registrations

## 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. The cash register allows you to obtain two kinds of periodic reports so that not only monthly reports, you can also get weekly reports.



Step	Display
1 Turn the Mode switch to X2/Z2 position. The display shows report selection screen.	The display shows a menu with the following options: <ul style="list-style-type: none"><li>[PERIODIC 1X]</li><li>[PERIODIC 2X]</li><li>[PERIODIC 1Z]</li><li>[PERIODIC 2Z]</li></ul> Below the menu, there is a line of text: "Select & <CA/AMT TEND>".
2 Select a report using $\Delta$ or $\nabla$ keys. 1Z and 2Z clear the accumulated data while 1X and 2X store the sales data remained.	
3 Press $\boxed{\text{CA/AMT TEND}}$ key. The printer prints out the periodic report.	

# Advanced programmings and registrations

ZZ1	PERIODIC	1Z	1
ZZ1	DEPT	0001	2
		0001115	3
DEPT001		38	4
8. 13%		\$257. 53	5
DEPT002		18	
		\$1, 552. 20	
TL		88. 61	6
		\$1, 916. 10	7
ZZ1	FIX	0001	8
		0001111	9
GROSS		981. 25	10
		\$6, 574. 40	
NET	No	111	11
		\$7, 057. 14	
CAID		\$6, 919. 04	12
CHID		\$139. 04	13
CKID		\$859. 85	14
CRID(1)		\$709. 85	15
CRID(2)		\$0. 00	16
CRID(3)		\$0. 00	17
CRID(4)		\$0. 00	18
RF	No	3	19
		\$10. 22	
CUST	CT	111	20
AVRG		\$63. 57	21
DC		\$1. 22	22
REF		\$2. 42	23
ROUND		\$0. 00	24
CANCEL	No	2	25
		\$12. 97	
TA1		\$2, 369. 69	26
TX1		\$128. 86	27
TA2		\$2, 172. 96	28
TX2		\$217. 33	29

- 1 Report title
- 2 Department report title/reset counter
- 3 Report code
- 4 Department Name/No. of items <sup>\*1</sup>
- 5 Sales ratio/amount <sup>\*1</sup>
- 6 Total No. of items
- 7 Total amount
- 8 Fixed total report title/reset counter
- 9 Report code
- 10 Gross total <sup>\*2</sup>
- 11 Net total <sup>\*2</sup>
- 12 Cash in drawer <sup>\*2</sup>
- 13 Charge in drawer <sup>\*2</sup>
- 14 Check in drawer <sup>\*2</sup>
- 15 Credit in drawer 1 <sup>\*2</sup>
- 16 Credit in drawer 2 <sup>\*2</sup>
- 17 Credit in drawer 3 <sup>\*2</sup>
- 18 Credit in drawer 4 <sup>\*2</sup>
- 19 Refund mode <sup>\*2</sup>
- 20 Customer number <sup>\*2</sup>
- 21 Average sales per customer <sup>\*2</sup>
- 22 Discount total <sup>\*2</sup>
- 23 Refund key <sup>\*2</sup>
- 24 Rounding total <sup>\*2</sup>
- 25 Cancellation <sup>\*2</sup>
- 26 Taxable 1 amount <sup>\*2</sup>
- 27 Tax 1 amount <sup>\*2</sup>
- 28 Taxable 2 amount <sup>\*2</sup>
- 29 Tax 2 amount <sup>\*2</sup>

# Advanced programmings and registrations

ZZ1	TRANS	0001	1
		0001112	2
CASH	No	362	3
		\$1,638.04	
CHARGE	No	56	
		\$1,174.85	
RC	No	4	
		\$810.00	
PD		5	
		\$5.00	
CORR	No	14	
		\$39.55	
RCT	No	3	
NS	No	5	
ZZ1	CASHIER	0001	4
		0001117	5
C01	.....	1	6
GROSS		513	
		\$1,654.10	7
NET	No	111	
		\$1,845.35	8
C02	.....	1	9

- 1 Function key report title/reset counter
- 2 Report code
- 3 Function key count/amount <sup>\*1</sup>
- 4 Clerk report title/reset counter
- 5 Report code
- 6 Clerk name
- 7 Gross total
- 8 Net total
- 9 Clerk name

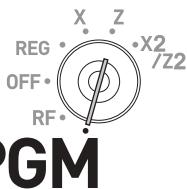
<sup>\*1</sup> Zero totalled departments/functions (the amount and item numbers are both zero) are not printed.

<sup>2</sup> These items can be skipped by programming. See pages E-73 "Set code 08" and E-75 "Set code 09".

# Advanced programmings and registrations

## Bluetooth setting

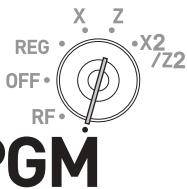
This setting connects the register and a smartphone by means of Bluetooth.



Top menu	Sub menu	What is to be set		
[Bluetooth]	System Setting	OFF		To stop sending X or Z data to a smartphone, set "X data → mobile" and "Z data → mobile" of "Function" "NO". Turns off when not using Bluetooth pairing.
		ON	Pairing with mobile Clear paired mobile	Pairs with a smartphone. Clears pairing settings.
	Functions	X data → mobile	YES NO	Set YES when sending X data to a smartphone.
			YES YES with Backup NO	Set YES when sending Z data to a smartphone. Set YES with Backup if you wish to back up the data in an SD card when data transmission is performed incorrectly.

## Setting Bluetooth pairing

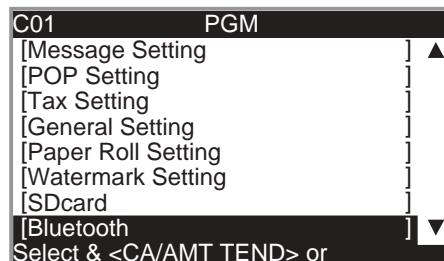
The following procedures pair your cash register with your smartphone by Bluetooth connection.



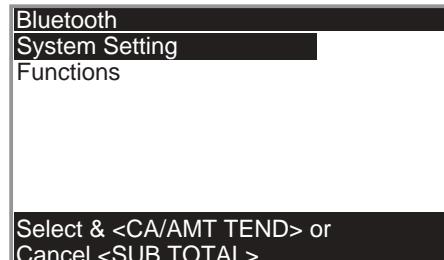
### Step

- 1 Turn the Mode switch to PGM position and select [Bluetooth].

### Display



- 2 Press **CA/AMT TEND** key and select [System Setting].



# Advanced programmings and registrations

## Step

3 Press  key. The display shows "System Setting" [OFF]. Press  key again and select [ON] by  key.

## Display

System Setting

OFF

Select & <CA/AMT TEND> or  
Cancel <SUB TOTAL>

System Setting

ON

Pairing with mobile  
Clear paired mobile

Select & <CA/AMT TEND> or  
Cancel <SUB TOTAL>

Pairing with mobile

Activate Bluetooth on  
mobile and select below  
device on the mobile.

12345678901234

Cancel <SUB TOTAL>

Pairing with mobile

Enter pass key on your  
mobile.

123456

Cancel <SUB TOTAL>

4 Press  key and select [Pairing with mobile].

5 Press  key then activate Bluetooth on your smart-  
phone. On the smartphone, find and select the device code  
of the cash register shown on the display. In this example,  
12345678901234.

Note that the device code differs depending on each cash  
register. Make sure to select the same code shown on the  
cash register display.

6 After you select the device code on the smartphone, the  
cash register then shows a pass key on the display. Enter  
the pass key (in this example, 123456) on the smartphone.  
Pass key differs depending on each cash register.

7 Now your cash register and your smartphone are paired by  
Bluetooth connection.

You can perform detail settings or data exchange using Bluetooth connection.  
Please refer to the website <http://web.casio.com/ecr/app/>.



# Advanced programmings and registrations

## Using an SD card

### Cautions when using optional SD memory card

This cash register accepts only SD or SDHC memory cards.

- The cash register supports SD cards conforming to SD standard. Capacity of the cards must be less than 2GB for SD card, between 2GB and 32GB for SDHC card.
- \* Please note that we do not guarantee for all the performances and data-handling capacities of SD or SDHC memory cards even the above conditions are satisfied. We recommend that you use new SD card.
- Please do not extract the SD card or turn the power of the cash register off while the register is accessing to the card. It may cause to damage data.
- Recorded data may be damaged or lost by electric noise or static electricity. We recommend that you back up important data.

You can store sales data or program data to an SD card or you can restore the data from SD card to your cash register.

The following table explains what you can do with an SD card.

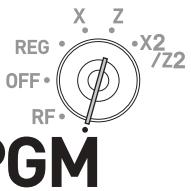
Backup→SD	Stores sales data and program data of register to SD card.
Restore←SD	Restores sales data and program data from SD card to register.
Program→SD	Stores program data to SD card.
Program←SD	Restores program data from SD card to register.
SD Format	Formats an SD for the first usage.
Backup→Flash	Stores program data into the register's built-in flash memory (for a case of power failure with flat batteries).

The following sections explain the operation examples of the features using an SD card.

# Advanced programmings and registrations

## To format an SD card

When you use unformatted new SD card, you must format the SD card first.

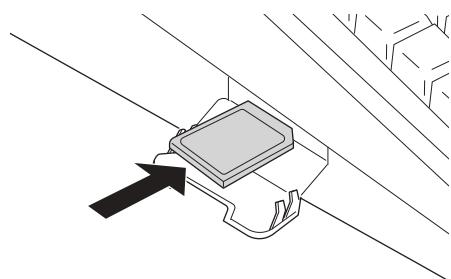


**NOTE** It may take time to access to an SD card immediately after it is formatted. All the data stored in the SD card will be cleared if you execute formatting.

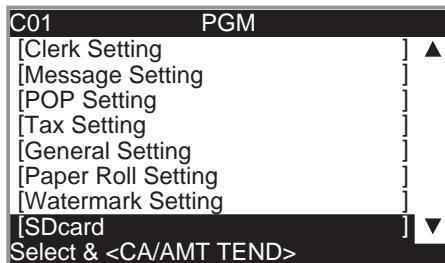
### Step

1 Insert an SD card into the SD card slot.

### Display

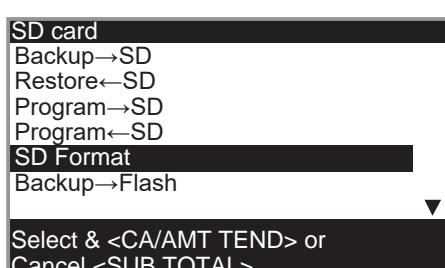


2 Turn the Mode switch to PGM position and select [SD card].



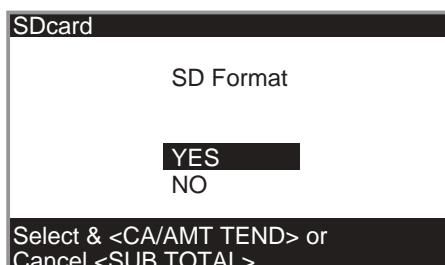
3 Press **CA/AMT TEND** key.

Select [SD Format] on the SD card setting screen.

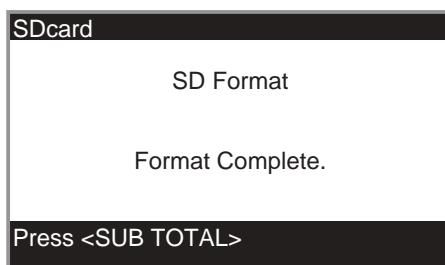


4 Select [YES] and press **CA/AMT TEND** key.

The register starts to format the SD card.



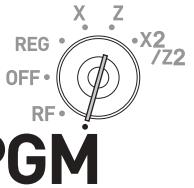
5 Now the SD card is formatted and you can use it for storing cash register data in it.



# Advanced programmings and registrations

## To store program data in an SD card

The following operation explains how you can back up all the program data in an SD card.

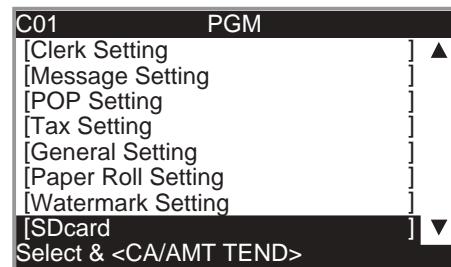


### Step

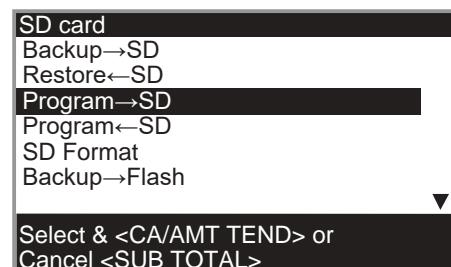
- 1 Insert an SD card into the SD card slot.
- 2 Turn the Mode switch to PGM position and select [SD card]. Then press key.

### Display

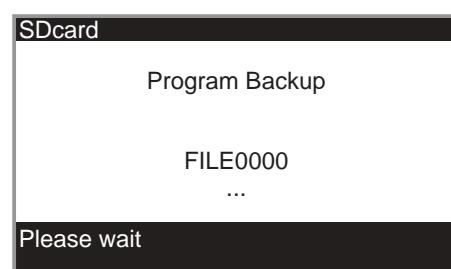
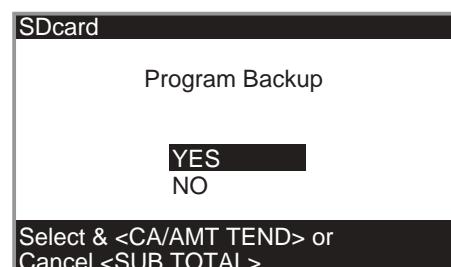
- 3 Select [Program→SD] and press key.



- 4 Select [YES] and press key.



- 5 After for a while, the display indicates "Backup complete".



# Advanced programmings and registrations

## Restoring backup data (automatically backed up setting data) from built in flash memory

Other than in an SD card, setting data (except sales data) may be backed up in the built in flash memory as well as in an SD card (printer prints "Data Backup Normal End"). If AC power cord is plugged out while battery power is low, all the setting data will be cleared and the cash register needs to be initialized. In such a case, setting data can be restored if the data is in built in flash memory. Please follow the instructions on the display for reading setting data or initializing the data.

### POP setting

According to the setting conditions, several POP images can be selected and printed on the lower part of receipts.

Top menu	Sub menu			What is to be set
[POP Setting]	Read POP Data			Reads POP data from an SD card.
	POP Operation Setting	POP Printing Conditions	Always print Same POP	Always prints the same POP image.
			Change POP By Amount	By the amount, POP image can be changed according to the "Setting (by Amount)" setting
			Change POP By Item	Prints POP image according to the set POP No. of DEPT Setting.
			Do Not Print	No POP image is printed.
	Setting (Always same)			Selects a POP image from five images.
	Setting (by Amount)		Amount 1	Sets condition to print POP message in accordance with the amount. Three kinds of POP images can be set in accordance with the amount. The amount is set by $A \times 10^B$ . Example • 12.00 A=12,B=2 • 100.00 A=1,B=4
			Amount 2	
			Amount 3	
	Print POP image			Prints set POP image to check.

#### NOTE

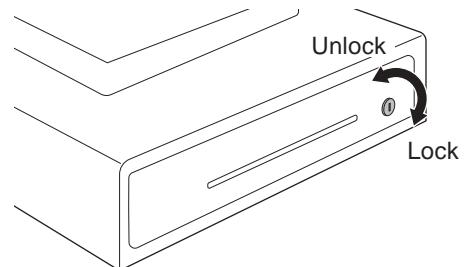
- POP images read by [Read POP Data] must be stored in an SD card beforehand using "ECR Setting tool" of an PC.
- POP images printed by "Setting (by Amount)" are; Amount 1 = image 1, Amount 2 = image 2, and Amount 3 = image 3.
- When several conditions of "Settings (by Amount)" are satisfied, the priority order is Amount 3 > Amount 2 > Amount 1.

# Advanced programmings and registrations

## Handling of the cash drawer

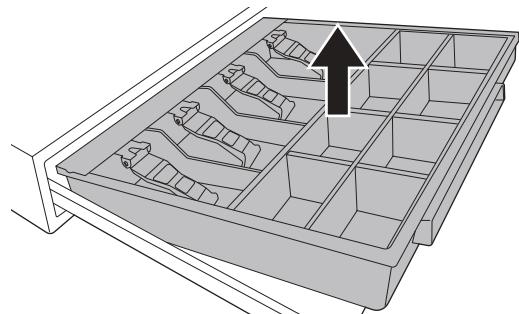
### To lock and unlock the cash drawer

Turning the drawer key clockwise locks the drawer and turning counterclockwise unlocks the drawer.

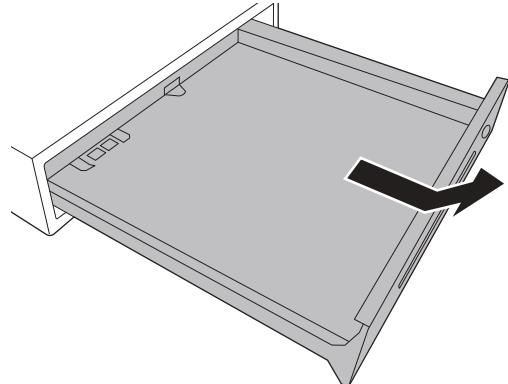


### To pull out the cash drawer

1 Remove the bill coin tray.



2 Lifting the front part of the drawer, pull it out.

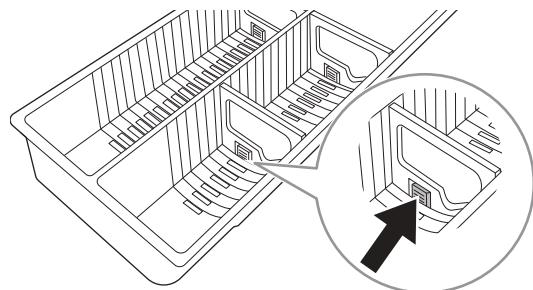


# Advanced programmings and registrations

## To remove coin divider (certain models)

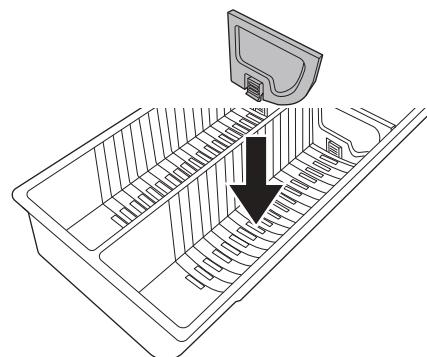
For the models with a hook on lower part of coin divider, you can move the coin partition.

- 1 Pushing down the hook, lift up the coin partition.



- 2 To set the partition, insert it in the groove on the coin case and push it until it is hooked.

You can check the state of the hook from the bottom of the coin case.



**NOTE**

- Some types of cash drawers cannot remove the coin partition.
- The shape of coin case differs depending on the number of coin partitions.

# Advanced programmings and registrations

## Before you consider it as a problem

### Error code table

Error code	Message	Meaning	Action
E001	Wrong mode	Mode switch position changed before finalization.	Return the mode switch to its original setting and finalize the operation.
E003	Wrong operator	The signed on clerk differs from the clerk performed the tracking check registration.	Input correct check number or assign the proper clerk number.
E004	Error INIT/FC	Initialization or unit lock clear operation in progress.	Complete operation.
E008	Please sign on	Registration without entering a clerk number.	Enter a clerk number.
E010	Close the drawer	The drawer is left open longer than the program time (drawer open alarm).	Close the drawer.
E011	Close the drawer	Attempt to register while the cash drawer is open.	Close the drawer.
E016	Change back to REG mode	Two consecutive transactions attempted in the refund mode.	Switch to another mode and then back to the RF mode for the next transaction.
E017	Enter CHK/TBL number	Attempt made to register an item without inputting a check number.	Input a check number.
E018	Enter Table number	Attempt made to register an item without inputting a table number.	Input a table number.
E019	Enter number of customers	Finalize operation attempted without entering the number of customer.	Enter the number of customer.
E021	No DEPT Link	No department linked PLU is registered.	Correct the program.
E026	Enter condiment/preparation PLU	No condiment/preparation PLU is registered.	Register condiment/preparation PLU.
E029	In the tender operation	Item registration is prohibited, while partial tender.	Finalize the transaction.
E031	Press ST key	Finalization of a transaction attempted without confirming the subtotal.	Press <small>SUB TOTAL</small> key.
E033	Enter tendered amount	Finalize operation attempted without entering amount tender.	Enter the amount tendered.
E035	Change amount exceeds limit	Change amount exceeds preset limit.	Input amount tendered again.
E036	Remove money from the drawer	Contents of the drawer exceed programmed limit.	Perform paidout operation.
E037	Digit or amount limitation over	High amount lock out/low digit lock out error	Enter correct amount.
E038	Perform money declaration	Read/reset operation without declaring cash in drawer.	Perform money declaration.

# Advanced programmings and registrations

Error code	Message	Meaning	Action
E040	Issue guest receipt	Attempt to register a new transaction without issuing a guest receipt.	Issue a guest receipt.
E046	REG buffer full	Registration buffer full.	Finalize the transaction.
E049	CHECK memory full	Check tracking index memory full.	Finalize and close the check number currently used.
E050	DETAIL memory full	Check tracking detail memory full.	Finalize and close the check number currently used.
E051	CHK/TBL No. is occupied	Attempt to made use <New Check> to open a new check using a number that is already used for an existing check in check tracking memory.	Finalize and close the check that is currently under the number that you want to use or use a different check number.
E053	CHK/TBL No. is not opened	Attempt made to use <Old Check> reopen a new check using a number that is not used for an existing check in check tracking memory.	Use the correct check number (if you want to reopen a check that already exists in check tracking memory) or use <New Check> to open a new check.
E075	Negative balance cannot be finalized	Attempt to finalize a transaction when balance is less than or equal to zero.	Register item(s) until the balance becomes positive amount.
E101	PLU maintenance file full. Press <#2> to exit	PLU direct maintenance/batch maintenance file becomes full.	Terminate the maintenance.
E103	PLU Code is not exist. Input the PLU Code	PLU code is not existed in the file.	Enter proper PLU code.
E105	PLU file full	PLU file full	Modify the designated item.
E106	Item exists in the PLU FILE	The designated item has already existed in the PLU file.	
E112	Close the journal platen arm	The journal platen arm is opened.	Close the journal platen arm.
E114	Close the receipt platen arm	The receipt platen arm is opened.	Close the receipt platen arm.
E139	Negative balance is not allowed	Attempt to register <-> or <CPN> when the balance becomes negative.	Enter proper minus/coupon amount.
E146	Arrangement file full	Arrangement file is full.	Set the arrangement properly.
E164	Employee No. is not Found in the Employee File	Attempt to enter a wrong employee number which is not set to the employee file.	Enter proper employee number.
E200	Insert SD	SD is not inserted.	Set SD.
E201	Illegal Format	Illegally formatted SD	Format the SD.
E202	File not found	The designated file is not found in the SD.	Enter proper file name.

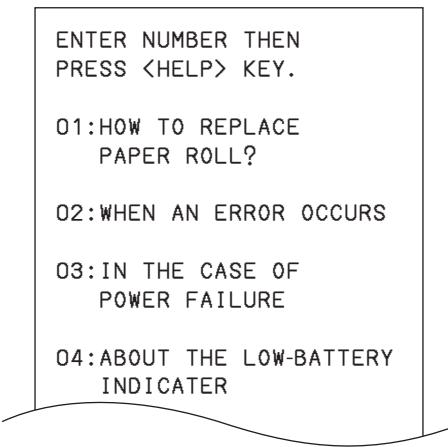
## Advanced programmings and registrations

Error code	Message	Meaning	Action
E204	Check the write protect switch	Write protect switch of the SD card is on.	Turn the write protect switch off.
E205	File already exist.	Cannot write, because designated file has already been in the SD.	Check the operation and retry.
E220	(Bluetooth error) No device is connected via Bluetooth.	No device is connected via Bluetooth.	Activate Bluetooth on your mobile and connect with the cash register.
E221	(Bluetooth error) Bluetooth communication error.	Bluetooth communication error.	Your mobile may be out of range. Please place your mobile closer to the cash register. If possible, move away microwaves, wireless routers or other Bluetooth devices from the cash register.

# Advanced programmings and registrations

## About HELP guidance

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

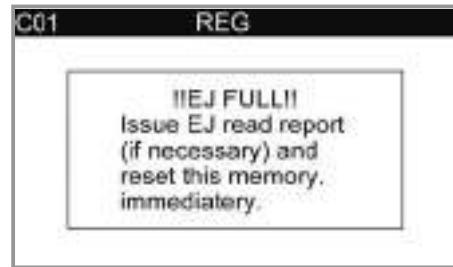


Enter the guidance number and press **HELP** key. The printer prints the guidance what to be done. For example, enter **0 4** and press **HELP** key to print the guidance in case LOW-BATTERY is shown on the display.

# Advanced programmings and registrations

## When “EJ FULL” sign appears on the display

When the register shows this sign, issue electronic journal read report (if necessary) and reset the memory immediately.



## In case of power failure

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

- Power failure during a registration

The subtotal for items registered up to the power failure is retained in memory. You will be able to continue with the registration when power is restored.

- Power failure during printing a read / reset report

The data already printed before the power failure is retained in memory. You will be able to issue a report when power is restored.

- Power failure during printing of a receipt / journal

Printing will resume after power is restored. A line that was being printed when the power failure occurred is printed in full.

- Other

The power failure symbol is printed and any item that was being printed when the power failure occurred is reprinted in full.

## In case the register is locked up

If you make a mistake in operation, the cash register may lock up to avoid damage to programs and preset data. Should it happens, you can use the following procedure to clear the lock up without losing any data.

**1** Insert the PGM key in the mode switch.

**2** Turn the mode switch to OFF mode.

**3** Press down , and turn the mode switch to PGM mode.

**4** The display shows “FFFFFFF”, then release .

**5** Press,  then issue a receipt.

# Advanced programmings and registrations

## About the low battery indicator

If this indicator appears when you switch the cash register on, it can mean one of three things:

- No memory backup batteries are loaded in the cash register.
- The power of the batteries loaded in the unit is below a certain level.
- The batteries loaded in the unit are dead.



### Important !

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

**Be sure to keep the power cord of the cash register plugged in whenever you replace the batteries.**

Category	No. of totalizers	Contents				Periodic totalizer
		Amount (10 digits)	No. of items (4 digits)	Count (4 digit)	No. of items (4 digits)	
Department	200	O *1	O *3			O
PLU	7000	O *1	O *3			
Hourly sales	24	O *1		O *4	O *5	
Monthly sales	31	O *1			O *5	
Clerk	50	O *1			O *5	
Transaction key & fix total	--	O *1 or O *3 or O *4 or O *5				O
Non resettable grand sales total	1	O *2				
Reset counter	8			O *4		O
Consecutive No.	1				O *5	

\* 1 -9,999,999.99 ~ 99,999,999.99

\* 2 -9,999,999,999.99 ~ 99,999,999,999.99

\* 3 -99,999.999 ~ 999,999.999

\* 4 1 ~ 9999

\* 5 1 ~ 999999

Specifications and design are subject to change without notice.

## About open source code

The software of our product includes the work that is distributed in the Apache License 2.0.

You may obtain a copy of the License at "<http://www.apache.org/licenses/LICENSE-2.0>".

# Advanced programmings and registrations

## Specifications

Entry	10-key system, buffer memory 8 keys (2-key roll over)	
Department	Full key system	
Main display	26 characters x 10 lines, Dept. name, PLU name, Total, Transaction names, Change	
Customer display	20 characters x 1 line. Amount 10 digits (zero suppression)	
Printer		
Receipt	Thermal alpha-numeric system 24 digits, receipt on/off key Store name or slogan is printed automatically	
Journal	Thermal alpha-numeric system 24 digits Automatic take up roll winding	
Paper roll	58 (W) x 80 (D) mm $\Phi$ (Max.)	
Paper thickness	0.06 to 0.08 mm	
Paper feed	Receipt and Journal	
Print speed	About 20 l/s	
Listing capacity		
Amount	9999999999	
Quantity	9999.999	
Tendered amount	9999999999	
Percent	99.99	
Tax rate	9999.9999	
Numbers	999999999999999999	
Chronological data		
Date print	Automatic date printout on receipt and journal, automatic calendar	
Time print	Automatic time printout on receipt and journal, 24-hour system/12-hour system	
Alarm	Key catch tone, error alarm	
Memory protection battery	The effective service life of memory protection batteries (two new size AA alkaline 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% RH	
Dimensions	220 mm (H) x 400 mm (W) x 450 mm (D) (8.6" (H) x 15.7" (W) x 17.7" (D))	
Weight	9 kg (20 lbs.).	
Data communication specifications		
Bluetooth	Supported version	Bluetooth® low energy (Ver. 4.1 +LE)
	Communication range	Approximately 3 m (10ft) (depends on radio wave conditions and environment)
External interface	SD/SDHC memory card slot x 1 COM port x 2	
Option	WT-94	
Accessories	Roll paper, Mode keys, Drawer keys, Magnetic plate*, Manuals *Use this plate for tacking the notes received from customer.	