ELECTRONIC CASH REGISTER

TE-3000S

User's Manual

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Eu Di U.K. Cl Canada

CASIO

Introduction

Congratulations on your selection of a CASIO TE-3000S series electronic cash register. This ECR is the product of the world's most advanced electronic technology, for outstanding versatility and reliability. Simplified operation is made possible by a specially designed keyboard layout and a wide selection of automated, programmable functions.
A specially designed keyboard layout and a bright, easy-to-read display help to take the fatigue out of long hours operation.

CE

Casio Electronics Co., Ltd.
Unit 6, 1000 North Circular Road
London NW2 7JD, U.K.

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

Please keep all information for future reference.

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

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

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

Apparaten skall anslutas till jordat nätuttag.

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

Safety Precautions

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

About the icons

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

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

⚠ Indicates that injury or damage may result if used incorrectly.

Icon examples

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

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

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

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

⚠ Warning!

Handling the register

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

- Contact CASIO service representative.

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

- Contact CASIO service representative.

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

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

⚠ Warning!

Never try to take the register apart or modify it in any way. High-voltage components inside the register create the danger of fire and electric shock.
- Contact CASIO service representative for all repair and maintenance.

Power plug and AC outlet

Use only a proper AC electric outlet (100V~240V) . Use of an outlet with a different voltage from the rating creates the danger of malfunction, fire, and electric shock. Overloading an electric outlet creates the danger of overheating and fire.

Make sure the power plug is inserted as far as it will go. Loose plugs create the danger of electric shock, overheating, and fire.
- Do not use the register if the plug is damaged. Never connect to a power outlet that is loose.

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

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

⚠ Caution!

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

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

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

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

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

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

Never touch the printer head and the platen.

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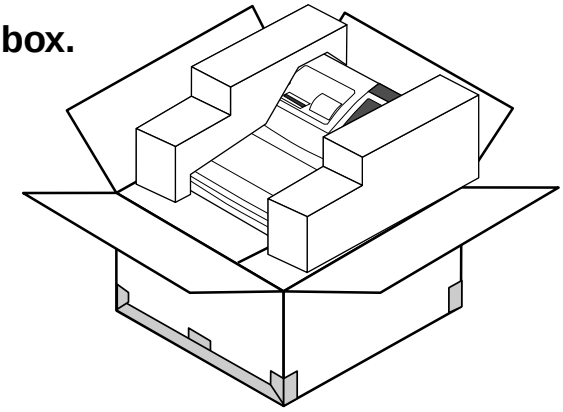
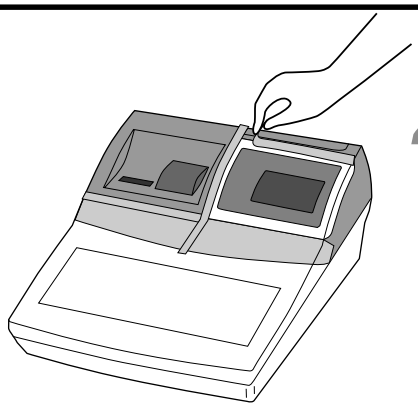
This section outlines how to unpack the cash register and get it ready to operate. You should read this part of the manual even if you have used a cash register before. The following is the basic set up procedure, along with page references where you should look for more details.

1. Remove the cash register from its box.





2. Remove the tape holding parts of the cash register in place.

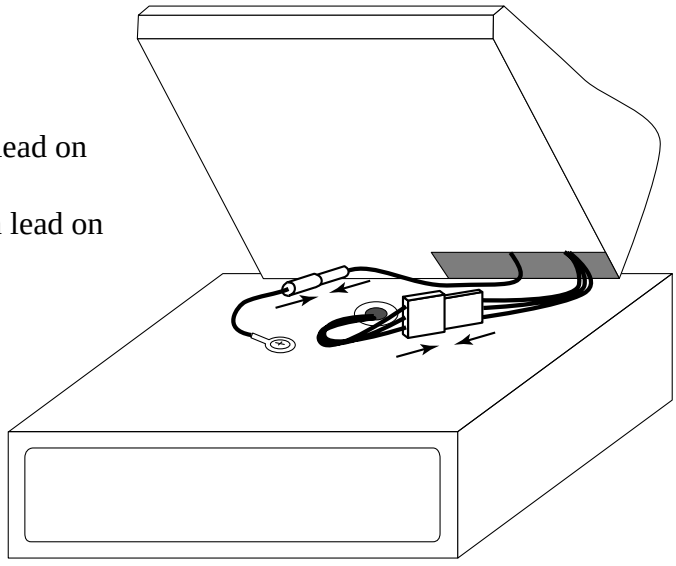
Also remove the small plastic bag taped to the printer cover. Inside you will find the mode keys.

3. Remove the cash drawer from its box.

The cash register and cash drawer are packed separately.

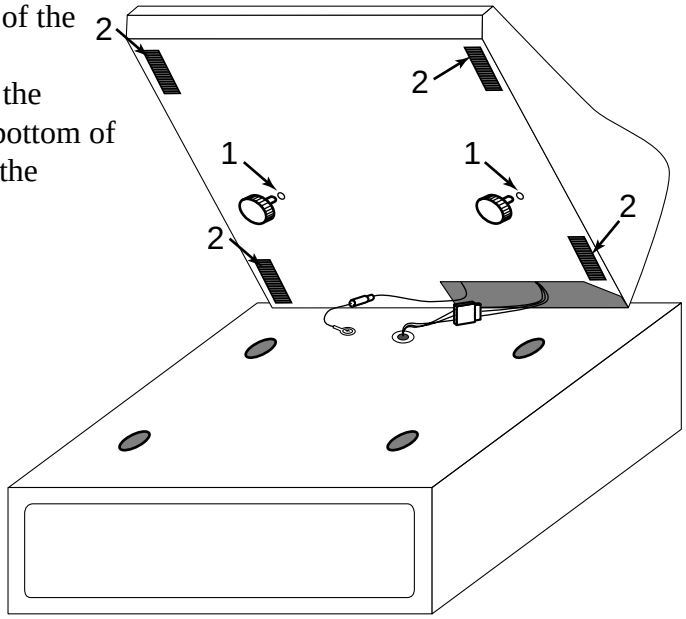
4. Connect the drawer.

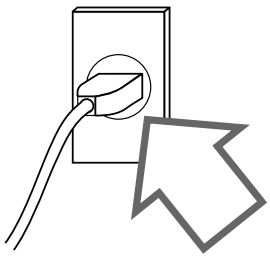
1. Connect drawer connector (three color lead on drawer) to the cash register.
2. Connect frame drawer connector (green lead on drawer) to the cash register.



5. Mount the cash register.

1. Screw in 2 fixing screws bottom side of the register.
2. Stick rubber plate on the each corner of the bottom side of the register.
3. Mount the cash register on the top of the drawer, ensuring that the feet on the bottom of the cash register go into the holes on the drawer.

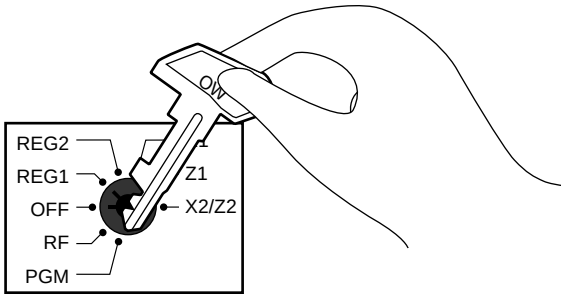




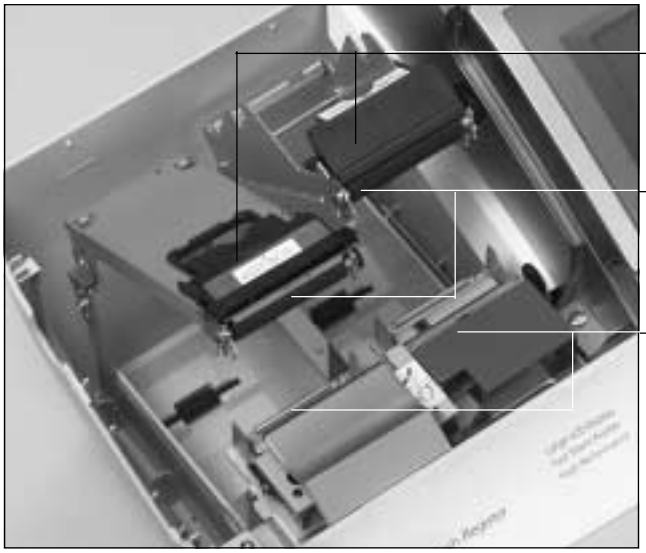
6. Plug the cash register into a wall outlet.

Be sure to check the sticker on the side of the cash register to make sure that its voltage matches that of the power supply in your area. The printer will operate for a few seconds. Please do not pass the power cable under the drawer.

7. Insert the mode key marked "OW" into the mode switch.



8. Install receipt/journal paper.



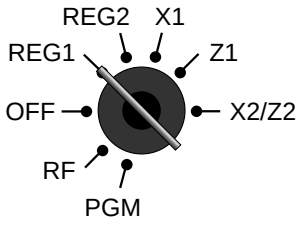
Important!

Take away the head protection sheet from the printer and close the platen arm.

Caution! (in handling the thermal paper)

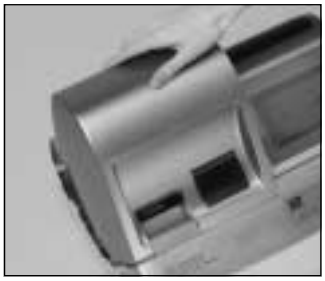
- Never touch the printer head and the platen.
- Unpack the thermal paper just before your use.
- Avoid heat/direct sunlight.
- Avoid dusty and humid places for storage.
- Do not scratch the paper.
- Do not keep the printed paper under the following circumstances:
  High humidity and temperature/direct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

To install receipt paper



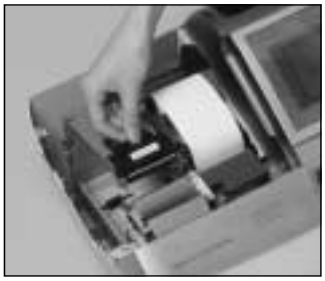
Step 1

Turn the mode switch to REG1 position.



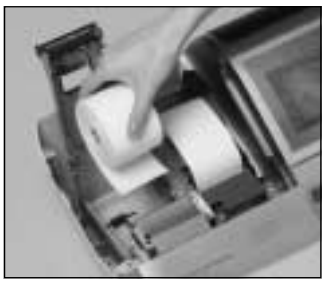
Step 2

Remove the printer cover. (If the cover is locked, unlock by using the printer cover key before this step.)



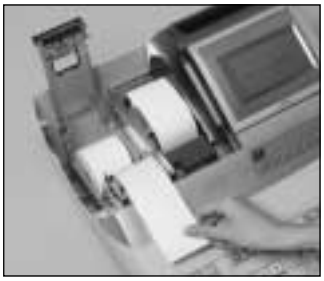
Step 3

Open the platen arm.



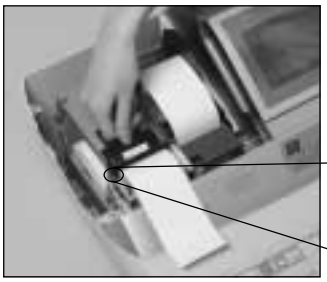
Step 4

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



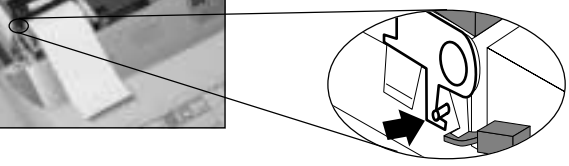
Step 5

Put the leading end of the paper over the printer.



Step 6

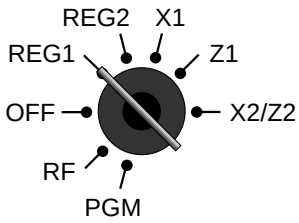
Close the platen arm slowly until it locks steadily.



Complete

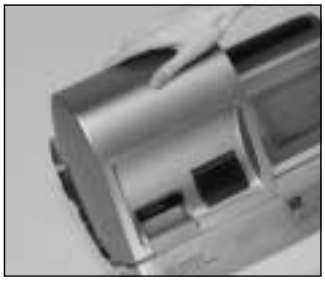
Close the printer cover, passing the leading end of the paper through the cutter slot.

To install journal paper



Step 1

Turn the mode switch to REG1 position.

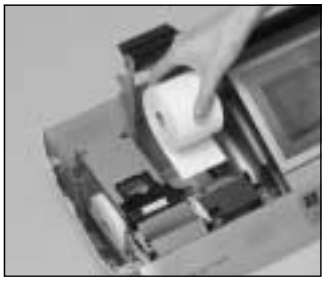


Step 2

Remove the printer cover. (If the cover is locked, unlock by using the printer cover key before this step.)

Step 3

Open the platen arm.

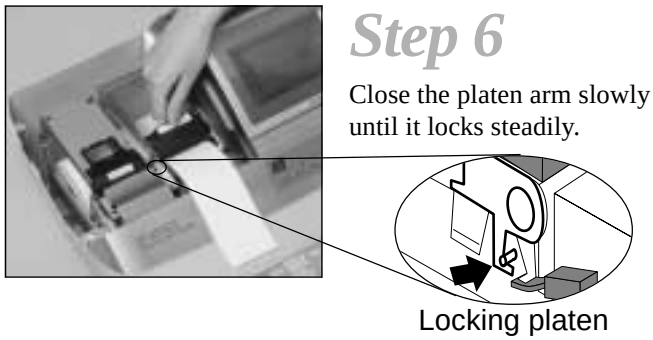


Step 4

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

Step 5

Put the leading end of the paper over the printer.



Step 6

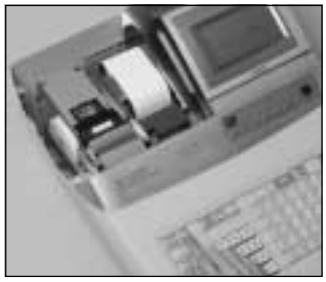
Close the platen arm slowly until it locks steadily.

Step 7

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.

Step 8

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



Step 9

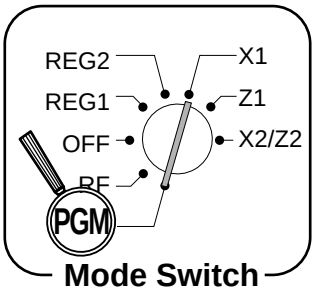
Press the JOURNAL FEED key to take up any slack in the paper.

> During machine installation, press the JOURNAL FEED key after power on.

Complete

Close the printer cover.

9. Set the date.



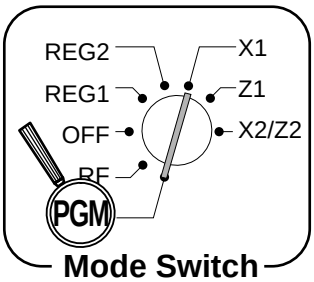
1 → SUB TOTAL → □□□□□□ (Current date) → × / FOR / DATE TIME or × / DATE TIME → C

Example:

April 3, 2004 ⇨ 0 4 0 4 0 3

Year Month Day

10. Set the time.



1 → SUB TOTAL → □□□□ (Current time) → × / FOR / DATE TIME or × / DATE TIME → C

Example:

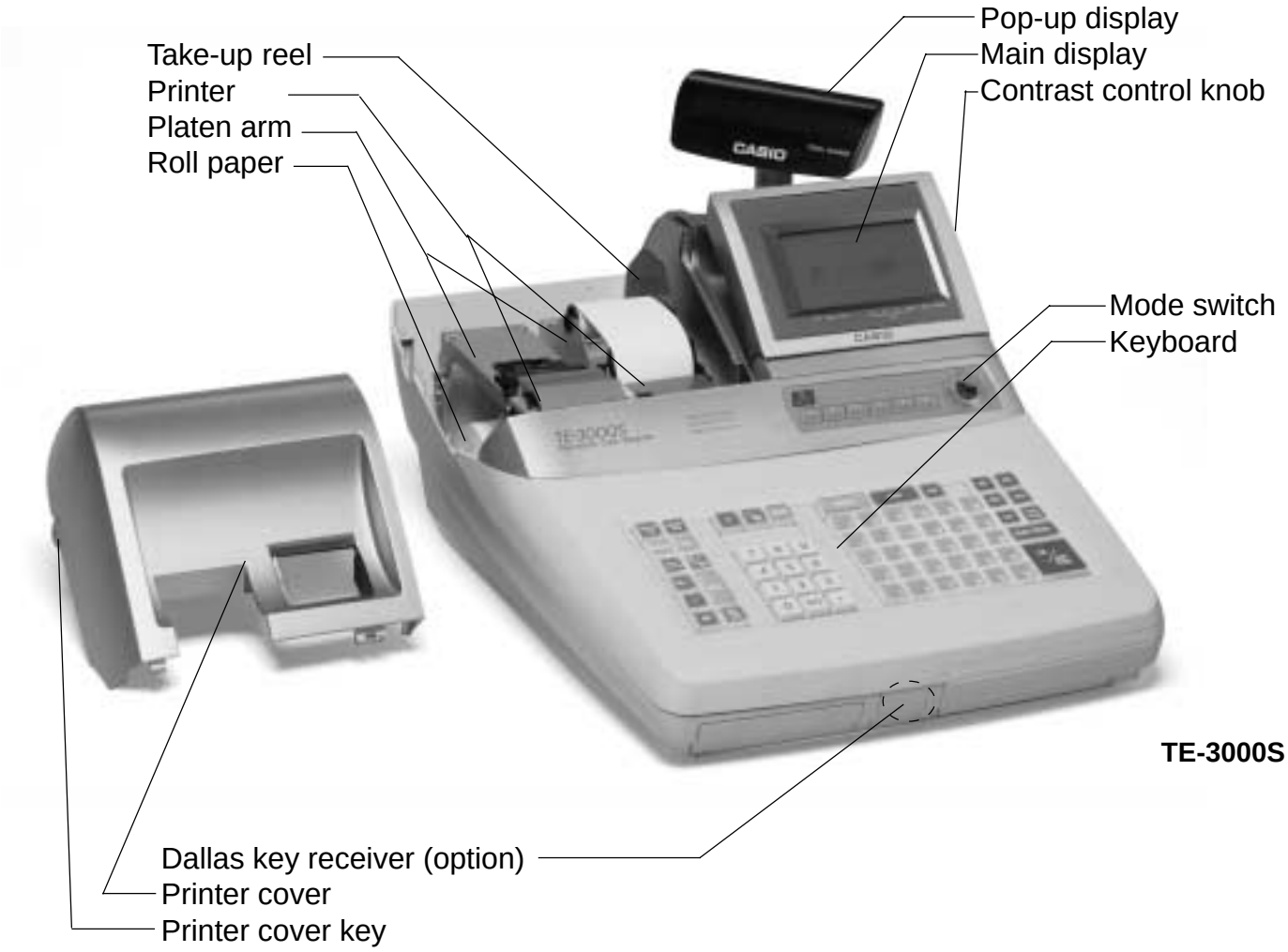
08:20 AM ⇨ 0 8 2 0

09:45 PM ⇨ 2 1 4 5

(24-hour military time)

General guide

This part of the manual introduces you to the cash register and provides a general explanation of its various parts.



TE-3000S

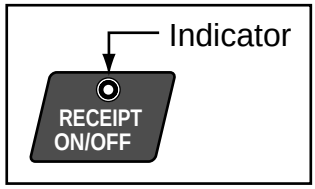
Roll paper

You can use the roll paper to print receipts and a journal (pages 12 ~ 14).

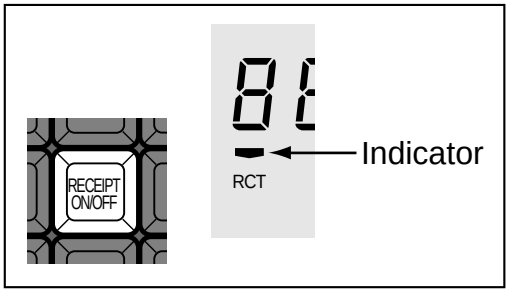
Receipt on/off switch / key

Use the receipt on/off switch/key in REG1, REG2 and RF modes to control issuance of receipts. In other modes, receipts or reports are printed regardless the receipt switch/key setting.
A post-finalization receipt can still be issued after finalization when the switch/key is set to off. The cash register can also be programmed to issue a post-finalization receipt even when the switch/key is set to on.

Receipt on/off switch



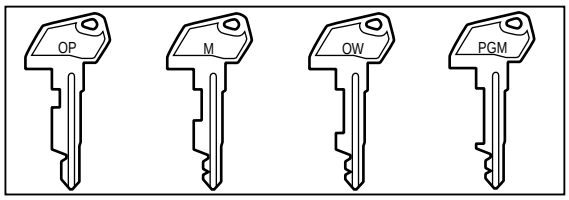
Receipt on/off key



When the register issues receipts, this indicator is lit.

Mode key (for U.K., U.S. and Canada)

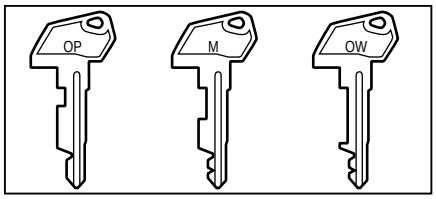
The following four types of mode keys are provided with the unit in the United Kingdom, the United States and Canada.



a. OP (Operator) key
   Switches between OFF and REG1.
b. M (Master) key
   Switches between OFF, REG1, REG2, X1 and RF.
c. OW (Owner) key
   Switches between OFF, REG1, REG2, X1, Z1, X2/Z2 and RF.
d. PGM (Program) key
   Switches to any position.

Mode key (for other area)

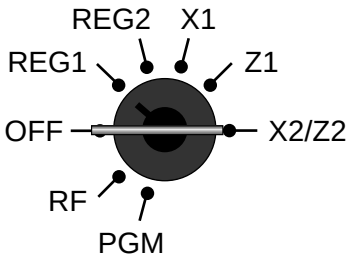
The following three types of mode keys are provided with the unit in areas outside of the United Kingdom, the United States and Canada.



a. OP (Operator) key
   Switches between OFF and REG1.
b. M (Master) key
   Switches between OFF, REG1, REG2, X1 and RF.
c. OW (Owner) key
   Switches to any position.

Mode switch

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



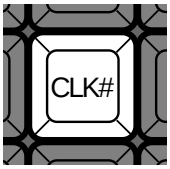
Mode switch	Mode name	Description
OFF	Stand-by	Any of the mode control keys can be inserted and removed from the mode switch in this position.
REG1	Register 1	Used for normal sales transactions. Any of the mode control keys can be inserted and removed from the mode switch in this position.
REG2	Register 2	Used for special operations. Since switching to REG2 requires a special key, such functions as discounts, credit sales, charge sales, check payments, and paid outs can be controlled by programming them as prohibited in REG1 and allowed in REG2.
RF	Refund Reg minus	Used for processing refunds. When the mode switch of the register is in RF position, you can access either the refund mode or the register minus mode.
X1	Daily sales read	Used to obtain daily reports without resetting (clearing) all total data.
Z1	Daily sales reset	Used to obtain daily reports while resetting (clearing) all total data.
X2/Z2	Periodic sale read/ reset	Used to obtain periodic sales reports without resetting total data or while resetting all total data.
PGM	Program	Used when programming functions and preset data such as unit prices and tax rates. Also used when reading program data.

Clerk key/button/lock

On models available in the United States, Canada and Germany, clerk or cashier assignment can be performed using clerk secret numbers only (clerk buttons are not equipped).
In other areas, you can assign clerks or cashiers by using clerk button or by clerk secret number. The method you are assigning clerk depends on the programming of your cash register.

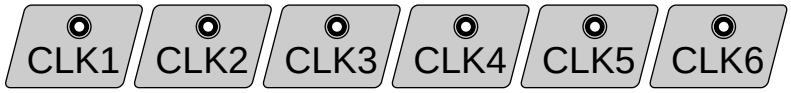
Clerk secret number key

When the cash register is programmed to use clerk secret numbers for clerk or cashier assignment, the clerk buttons are not functional.



Clerk button

You can assign the clerk or cashier using the six buttons located below the display panel.



Drawer

The drawer opens automatically whenever you finalize a registration and whenever you issue a read or reset report.

Drawer lock (for medium size drawer)

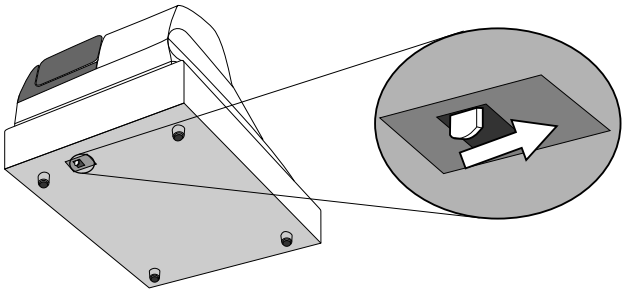
Use the drawer key to lock and unlock the drawer.

Drawer open key (for large size drawer)

Use the drawer open key to open the drawer.

When the cash drawer does not open! (for medium size drawer only)

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



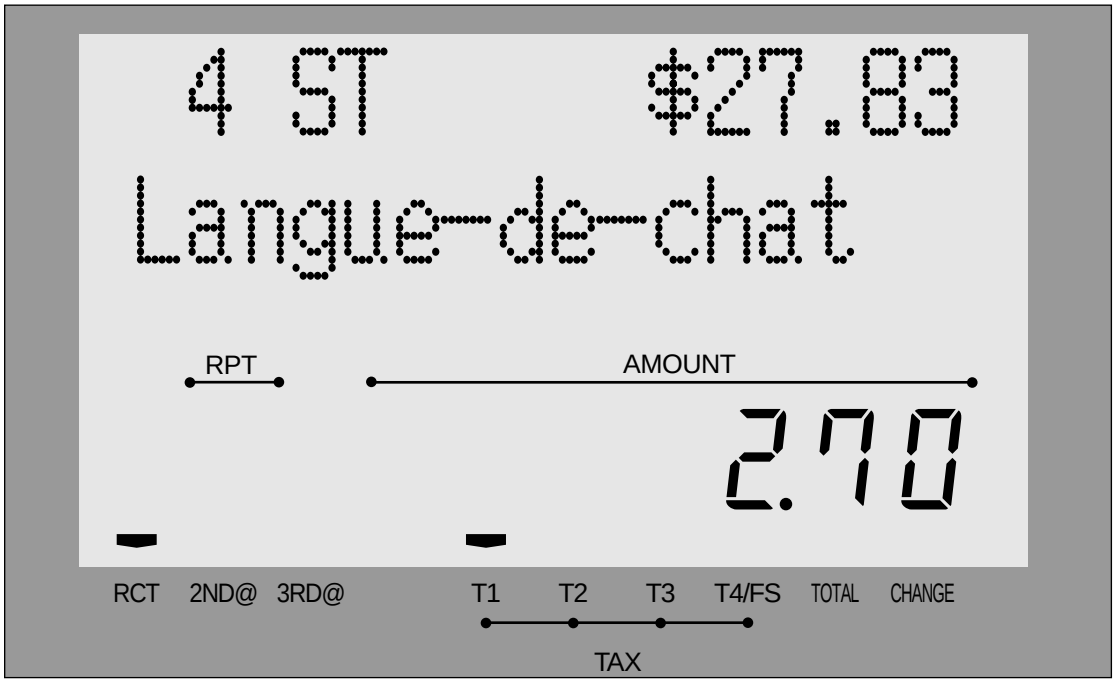
Important!

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

Display

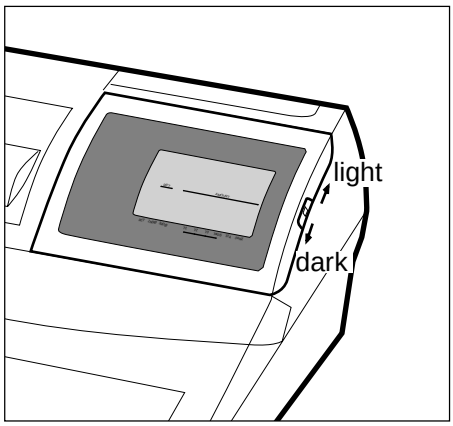
Display panel

Main display

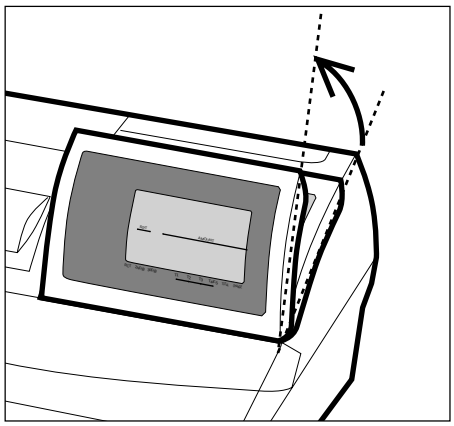


Customer display

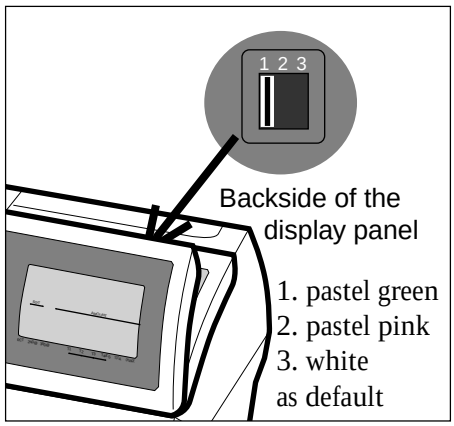
Contrast control knob



Tilt the LCD

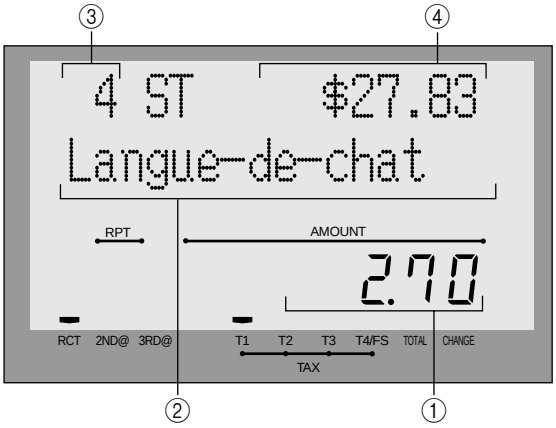


Backlight color control switch

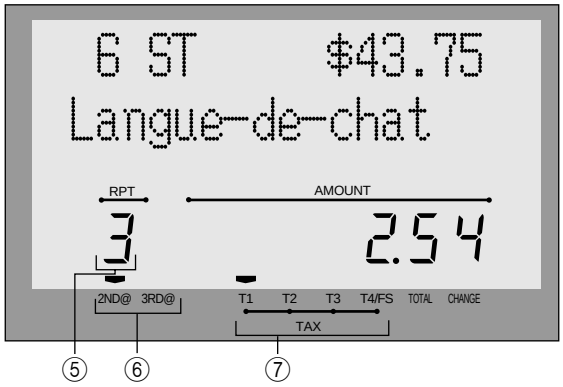


Display example

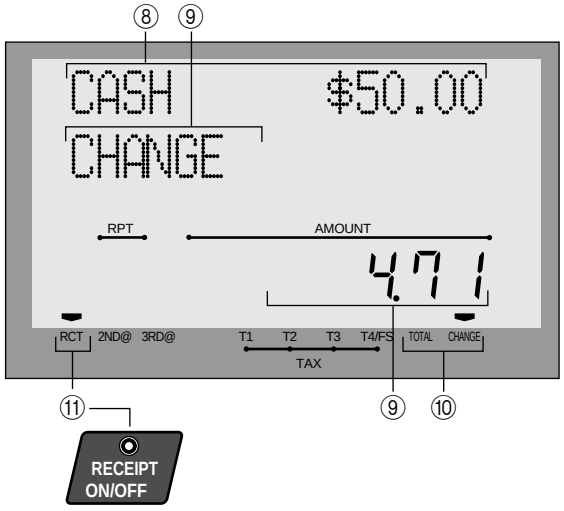
Item registration



Repeat registration



Totalize operation



① Amount/Quantity

This part of the display shows monetary amounts. It also can be used to show the current time.

② Item descriptor

When you register a department/PLU/scanning PLU, the item descriptor appears here.

③ Item counter

Number of item sold is displayed.

④ Subtotal amount

Current subtotal amount (add-on tax excluded) is displayed.

⑤ Number of repeats

Anytime you perform a repeat registration (pages 30, 35), the number of repeats appears here.
Note that only one digit is displayed for the number of repeats. This means that a "5" could mean 5, 15 or even 25 repeats.

⑥ 2nd, 3rd menu indicator

When you press PRICE SHIFT to designate the 2nd/3rd unit price, the corresponding number is displayed.

⑦ Taxable sales status indicators

When you register a taxable item, the corresponding indicator is lit.

⑧ Amount tendered key descriptor/amount

⑨ Change descriptor/amount

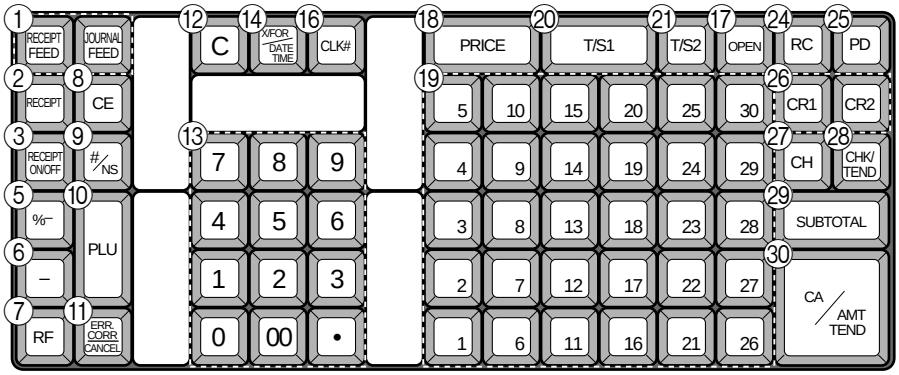
⑩ Total/Change indicators

When the TOTAL indicator is lit, the displayed value is monetary total or subtotal amount. When the CHANGE indicator is lit, the displayed value is the change due.

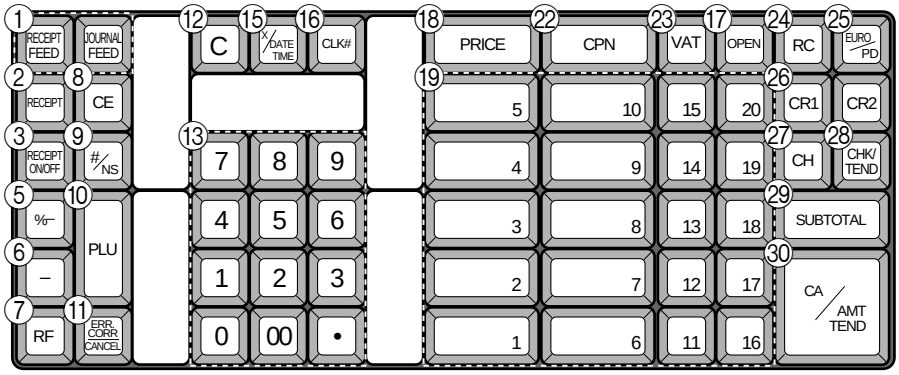
⑪ RCT indicator

When the register issues receipts, this indicator is lit.

Keyboard



for the U.S. and Canada



for German

• Register Mode

① **Paper feed key** [RECEIPT FEED], [JOURNAL FEED]
Hold this key down to feed paper from the printer.

② **Post receipt key** [RECEIPT]
Use this key to produce a post-finalization receipt .

③ **Receipt on/off key** [RECEIPT ON/OFF]
Use this key twice to change the status “receipt issue” or “no receipt.” This key is only effective when the “use printer for receipt printer” in the printer control program is selected. In case of “receipt issue”, the “RCT” indicator is lit.

④ **Media change key** [MEDIA CHANGE]
Use this key to change media in drawer amounts. Pressing this key enters media change operation.

⑤ **Discount key** [%−]
Use this key to register discounts.

⑥ **Minus key** [−]
Use this key to input values for subtraction.

⑦ **Refund key** [RF]
Use this key to input refund amounts and void certain entries.

⑧ **Currency exchange key** [CE]
Use this key to convert foreign currency to local currency or vice versa using the exchange rate preset for the key and displays the result.
Use this key for conversions of a home currency subtotal or merchandise subtotal to equivalent of another country's currency.
Use this key for conversions of another country's currency to the equivalent of the home currency.

⑨ **Non-add/No sale key** [#/NS]
Non-add key: To print reference number (to identify a personal check, credit card, etc.) during a transaction, use this key after some numerical entries.
No sale key: Use this key to open the drawer without registering anything.

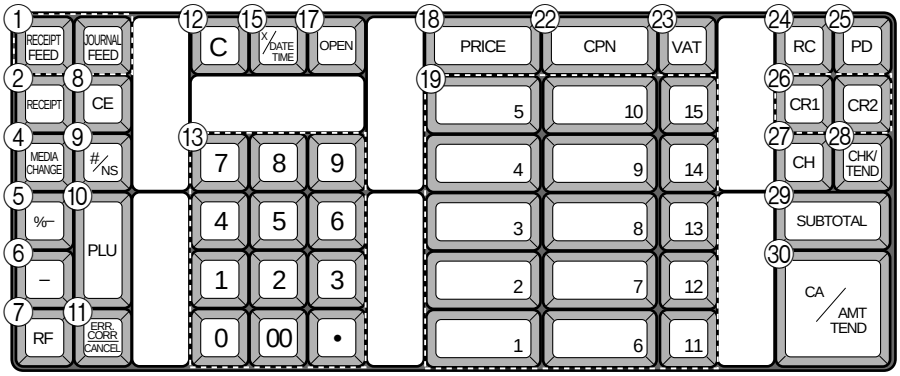
⑩ **PLU key** [PLU]
Use this key to input PLU numbers.

⑪ **Error correction/cancellation key** [ERR CORR CANCEL]
Use this key to correct registration errors and to cancel registration of entire transactions.

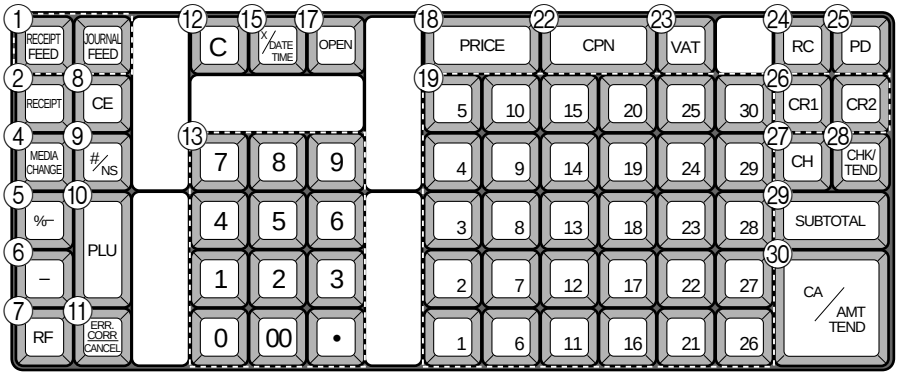
⑫ **Clear key** [C]
Use this key to clear an entry that has not yet been registered.

⑬ **Ten key pad** [0], [1] ~ [9], [00], [•]
Use these keys to input numbers.

⑭ **Multiplication/For/Date/Time key** [×/FOR DATE TIME]
Use this key to input a quantity for a multiplication operation and registration of split sales of packaged items. Between transactions, this key displays the current time and date.



for the U.K.



for other area

⑮ **Multiplication/Date/Time key** [X/DATE TIME]
Use this key to input a quantity for a multiplication operation. Between transactions, this key displays the current time and date.

⑯ **Clerk number key** [CLK#]
Use this key to sign clerk on and off the register.

⑰ **Open key** [OPEN]
Use this key to temporarily release a limitation on the number of digits that can be input for a unit price.

⑱ **Price key** [PRICE]
Use this key to register an amount to an open PLU when a PLU is used as an open PLU.

⑲ **Department keys** [1], [2], [3] ~ [30]
Use these keys to register items to departments.

⑳ **Tax status shift 1 key** [T/S1]
Use this key to change the Taxable 1 status of the next item.

㉑ **Tax status shift 2 key**
Use this key to change the Taxable 2 status of the next item.

㉒ **Coupon key** [CPN]
Use this key to register coupon. The registered coupon amount is deducted from the department, PLU, gross and net totalizers.

㉓ **VAT key** [VAT]
Use this key to print a VAT breakdown.

㉔ **Received on account key** [RC]
Use this key following a numeric entry to register money received for non-sale transactions.

㉕ **Paid out key** [PD]
Use this key following a numeric entry to register money paid out from the drawer.
Except for the U.S. and Canada, use this key to convert the main currency to the sub currency (the euro/the local money), when registering a subtotal amount. This key is also used for specifying sub currency while entering an amount of payment or declaration in drawers.

㉖ **Credit key** [CR1], [CR2]
Use this key to register a credit sale.

㉗ **Charge key** [CH]
Use this key to register a charge sale.

㉘ **Check key** [CHK/TEND]
Use this key to register a check tender.

㉙ **Subtotal key** [SUB TOTAL]
Use this key to display and print the current subtotal (includes add-on tax) amount.

㉚ **Cash/Amount tendered key** [CA/AMT/TEND]
Use this key to register a cash tender.

Allocatable functions

You can tailor a keyboard to suit your particular type of business.

Add check
Use this key in a check tracking system to combine the details of more than one check into a single check.

Arrangement
Use this key to activate an arrangement program programmed in the arrangement file. Any operation that can be performed from the keyboard, as well as mode, can be programmed in an arrangement program, and can be performed merely by pressing this key. In addition, one numeric entry can be included in an arrangement program. In this case, input the number and press this key.
The mode control function of this key can be programmed for all modes except for the OFF and PGM mode.

Bill copy
Use this key to issue bill copy.

Bottle return
Use this key to specify next item as bottle return.

Cancel
Invalidates all preceding data registered for departments, PLUs and set menus within a transaction. This key must be pressed before the transaction involving the data to be invalidated is finalized. It is also effective even after calculation of subtotal amount.

Check endorsement
Use this key to print a preset check endorsement message using the slip printer.

Check print
Use this key to print the check on the slip printer.

Clerk transfer
Use this key to transfer opened checks to another clerk.

Clock-in/-out
Use this key to register the time when the employees start/ finish their job.

Coupon 2
Use this key to declare the next item registration as coupon.

Cube
This key provides the same functions as the Square key. In addition, this key also has a cube multiplication function.

Customer number
Use this key to register the number of customers.

Declaration
Use this key to declare in drawer amount for money declaration.

Deposit
Use this key to register deposits.

Eat-in
Use this key to specify if the customer eats in the restaurant. Before closing a transaction press this key.

EBT (electronic benefit transfer)
Use this key to register an EBT amount with a tender amount input.

Flat PLU
Use this key to register items to flat PLU.

Food stamp shift
Use this key to change food stamp status.

Food stamp subtotal
Use this key to obtain the food stamp applicable amount.

Food stamp tender
Use this key to register a food stamp payment amount with a tender amount input.

Ketten Bon
Use this key to enter quantities for multiplication. Multiplication by this key issues singular order prints.

Loan
Use this key to input the amount of money provided for making change. This operation affects media totals, rather than sales totals. Loans are made for all types of money which can be specified by the finalize key.

Manual tax
Use this key to register a tax amount.

Menu shift
Use this key to shift key to the 1st ~ 6th menu.

Merchandise subtotal
Use this key to obtain subtotal excluding the add-on tax amount and the previous balance.

New balance
Use this key for adding the latest registered total amount to the previous balance to obtain a new balance.

New check
Use this key in a check tracking system to input a new check number in order to open a new check under that number.

New/Old check
Use this key in a check tracking system to input check numbers in order to open new checks and to reopen existing checks. When the clerk inputs a check number, the register checks to see if that number already exists in the check tracking memory. If there is no matching number in the memory, a new check is opened under the input number. If the check number input matches a number already stored in the memory, that check is reopened for further registration or finalization.

No sale
Use this key to open the drawer between transaction.

Non add
Use this key to print reference numbers (personal check number, card number, etc.)

Normal receipt
Use this key to change the order status from Bon to normal.

OBR (Optical barcode reader)
Use this key to input optical barcodes manually.

Old check
Use this key in a check tracking system to input the number of an existing check (previously created by the New check key) whose details are stored in the check tracking memory. Existing checks are reopened to perform further registration or to finalize them.

One touch NLU
Use this key to register scanning PLU directly from the keyboard. There is one One touch NLU key for one scanning PLU, and multiple one touch NLU keys can be set on the keyboard.

Open 2
Use this key to suspend the compulsory specifications.

Open check
Use this key to issue an open check report of an assigned clerk.

Operator number
Use this key to enter a clerk number during clerk transfer.

Operator X/Z
Use this key to issue a clerk's individual X/Z report.

Pick up
When the amount in drawer exceeds the limit value (sentinel function), the manager performs a pick up operation. This key is used for this function. This operation affects media totals, rather than sales totals. Pick ups are made for all types of money which can be specified by the finalize key.

Plus
Use this key for registering surcharge.

Premium
Use this key to apply a preset % or manual input % to obtain the premium amount for the last registered item or subtotal.

Previous balance
Use this key to register the previous negative/positive balance at the beginning of or during a transaction.

Previous balance subtotal
Use this key to obtain subtotal excluding the add-on tax amount and current balance.

Price change
Use this key to change scanning PLU unit price temporarily.

Price inquiry
Use this key to confirm the price and descriptors of PLU without registering.

Price shift
Use this key to shift a PLU item/flat-PLU key to the 1st ~ 2nd unit price, a scanning PLU to the 1st ~ 3rd unit price.

Rate tax
Use this key to activate the preset tax rate or manually input rate to obtain the tax for the preceding taxable status 1 amount.

Recall
Use this key for recalling the transferred check number by the store key. When this key is pressed, the check number will appear in order of the oldest record.

Red price
Use this key to register a new (discounted) price of an item.

Review
Use this key to examine the current transaction by displaying item descriptor and registered amount. This key is also used for void operation or separate check operation.

Scale
Use this key to read the weight of the item and shows it on the display. This key is also used to input the weight manually.

Separate check
Use this key in a check tracking system to separate selected items from one check to another check.

Slip feed/release
Use this key to feed slips inserted into the slip printer. This is done by specifying the number of feed lines. This key is also used to release the slip paper holder if numbers are not entered.

Slip back feed/release
Use this key to back feed slips inserted into the slip printer. This is done by specifying the number of feed lines. This key is also used to release the slip paper holder if numbers are not entered.

Slip print
Use this key to execute a slip batch printing on the slip printer. Pressing this key prints the sales details. Actual printing is performed following receipt issuance.

Square
This key provides the same functions as the Multiplication key. In addition, this key also has a square multiplication function.

Stock inquiry
Use this key to check the current stock quantity for a PLU without registering.

Store
Use this key for storing the check number of the registered items. When this key is pressed, registered item data will be stored, and then these data will transfer to the youngest check number.

Table number
Use this key to input table numbers.

Table transfer
Use this key to transfer the contents of a check to another check.

Takeout
Use this key to specify if the customer takes out items. Before total a transaction. Press this key for the tax exemption.

Tare
Use this key to input tare weight.

Tax exempt
Use this key to change taxable amounts to nontaxable amounts.

Taxable amount subtotal
Use this key to obtain taxable amount subtotal.

Text print
Use this key to enter characters to print.

Text recall
Use this key to print preset characters.

Tip
Use this key to register tips.

Tray total
Use this key to display the total amount for all registrations from the last registration until this key is pressed or registrations between presses of this key.

Unit weight
Use this key to input the unit weight of a scalable item.

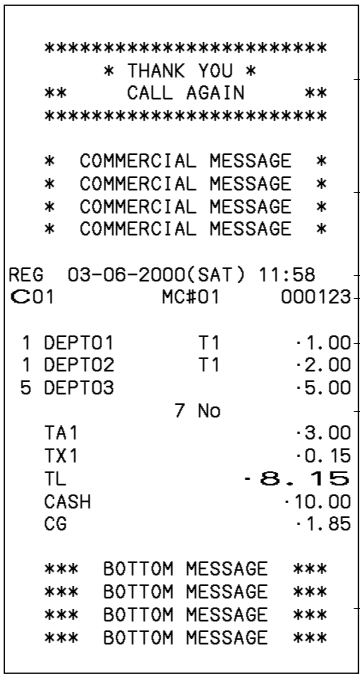
Validation
Use this key to validate transaction amounts on slip.

Void
Use this key to invalidate preceding item data registered.

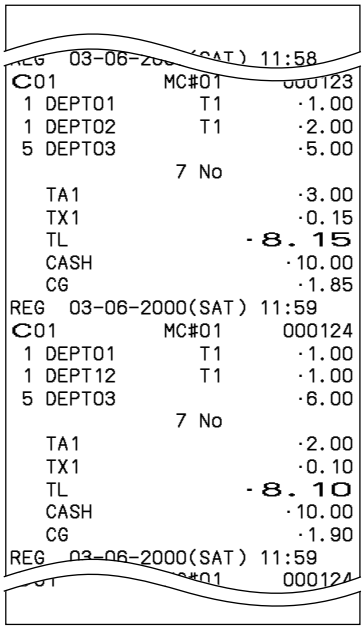
How to read the printouts

- The journal and 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.
  - Consecutive number
  - Taxable status
  - Taxable amount
  - Item counter

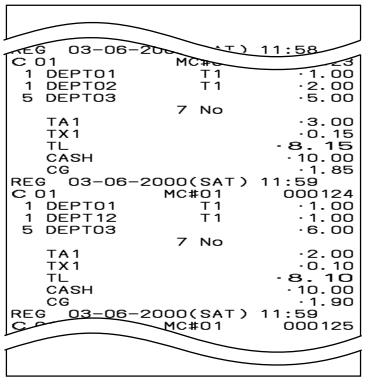
Receipt Sample



Journal Sample (Item lines Included)



Journal Sample (Item lines Skipped)

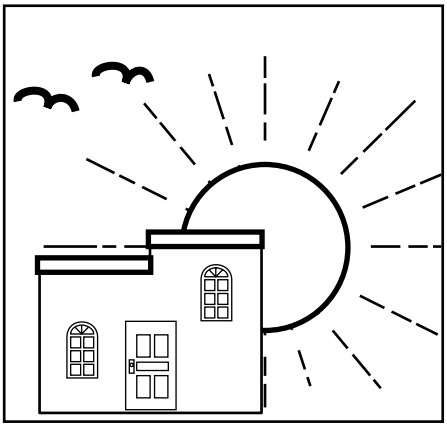


In the operation examples contained in this manual, the print samples are what would be produced if the roll paper is being used for receipts. They are not actual size. Actual receipts are 58 mm wide. Also, all sample receipts and journals are printout images.

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.

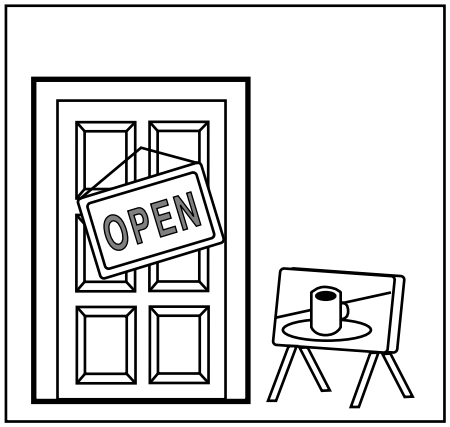
BEFORE business hours…



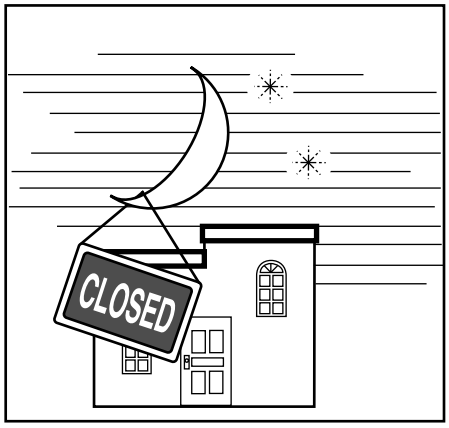
- Check to make sure that the cash register is plugged in securely. Page 11
- Check to make sure there is enough paper left on the roll. Pages 13, 14
- Read the financial totals to confirm that they are all zero. Page 99
- Check the date and time. Page 29

DURING business hours…

- Register transactions. Page 30
- Periodically read totals. Page 98



AFTER business hours…



- Reset the daily totals. Page 50
- Remove the journal. Page 114
- Empty the cash drawer and leave it open. Page 19
- Take the cash and journal to the office.

Assigning a clerk

On models available in the United States and Canada, clerk or cashier assignment can be performed using clerk secret numbers only (clerk buttons are not equipped).
In Germany, you can assign clerks by using clerk key or by clerk secret number (clerk key is equipped).
In other areas, you can assign clerks by using clerk button or by clerk secret number.
The method you of assigning clerk depends on the programming of your cash register.

Clerk button

You can assign the clerk or cashier using the six buttons located below the display panel.

Clerk lock/clerk key

You can assign the clerk or cashier inserting a clerk key into the clerk lock .

Clerk secret number key

When the cash register is programmed to use clerk secret numbers for clerk or cashier assignment, the clerk buttons are not functional.

Clerk sign on

OPERATION	RECEIPT

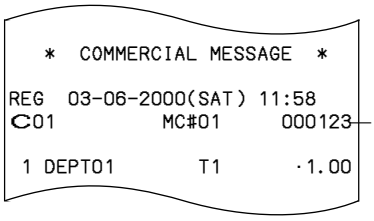
Signing clerk 1 on: 1 ➡ CLK#

Signing clerk 2 on: 2 ➡ CLK#

. . .

Signing clerk 15 on: 1 5 ➡ CLK#

Clerk secret number
(1 ~ 15 is set as default.)



Clerk name/machine No./consecutive No.

- If you do not want the clerk secret number to be shown on the display, press CLK# before entering the number.

Clerk sign off

OPERATION

Signing clerk off: 0 ➡ CLK#
(except PGM mode)

- The current clerk is also signed off whenever you set the mode switch to OFF position.

Important!

- The error code “E008” appears on the display whenever you try to perform a registration, a read/reset operation without signing on.
- A clerk cannot sign on unless other clerk is signed off.
- The signed on clerk is also identified on the receipt/journal.

Displaying the time and date

REG
Mode switch

You can show the time or date on the display of the cash register whenever there is no registration being made.

To display and clear the date/time

OPERATION	DISPLAY
[×/FOR DATE TIME] or [×/DATE TIME]	03-04-2004 (THU) 08-30
Date/time appears on the display.	
[C]	REG C01 0.00
Clears the date/time display.	

Preparing coins for change

REG
Mode switch

You can use the following procedure to open the drawer without registering an item. This operation must be performed out of a sale.
(You can use the [RC] key instead of the [#/NS] key. See page 45.)

Opening the drawer without a sale

OPERATION	RECEIPT
[#/NS]	#/NS .....

Preparing and using department keys

Registering department keys

REG
Mode switch

The following examples show how you can use the department keys in various types of registrations.

Single item sale

Example 1

Item	Unit price	$1.00
	Quantity	1
	Dept.	1
Payment	Cash	$1.00

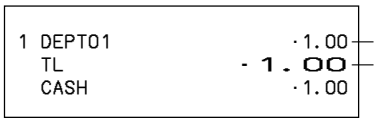
OPERATION

1 00 — Unit price

1 — Department

CA/AMT TEND

RECEIPT



Example 2 (Subtotal registration and change computation)

Item	Unit price	$12.34
	Quantity	1
	Dept.	1
Payment	Cash	$20.00

OPERATION

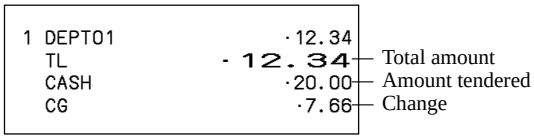
1 2 3 4 — Unit price

1 — Department

SUB TOTAL

2 0 00 CA/AMT TEND — Amount tendered

RECEIPT



Repeat

Item	Unit price	$1.50
	Quantity	3
	Dept.	1
Payment	Cash	$10.00

OPERATION

1 5 0 1

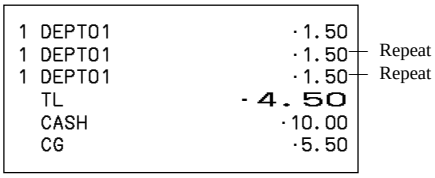
1

1

SUB TOTAL

1 0 00 CA/AMT TEND

RECEIPT



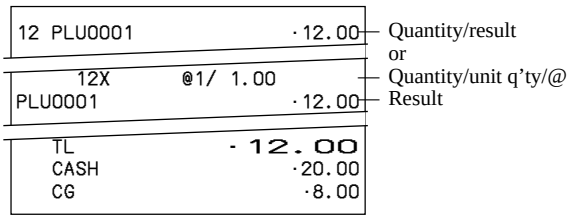
Multiplication

Item	Unit price	$1.00
	Quantity	12
	Flat-PLU	1
Payment	Cash	$20.00

OPERATION

1 2 [×/DATE TIME]
Quantity
(4-digit integer/2-digit decimal)
1 00 [001]
[SUB TOTAL]
2 0 00 [CA/AMT TEND]

RECEIPT



- The model for the U.S./Canada, use [×/FOR DATE TIME] instead of [×/DATE TIME].

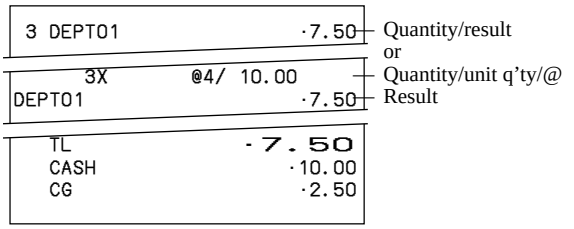
Split sales of packaged items

Item	Unit price	4 for $10.00
	Quantity	3
	Dept.	1
	Taxable	No
Payment	Cash	$10.00

OPERATION

3 [×/FOR DATE TIME]
Quantity being purchased
(4-digit integer/2-digit decimal)
4 [×/FOR DATE TIME]
Package quantity
(4-digit integer/2-digit decimal)
1 0 00 [1]
Package price
[SUB TOTAL]
1 0 00 [CA/AMT TEND]

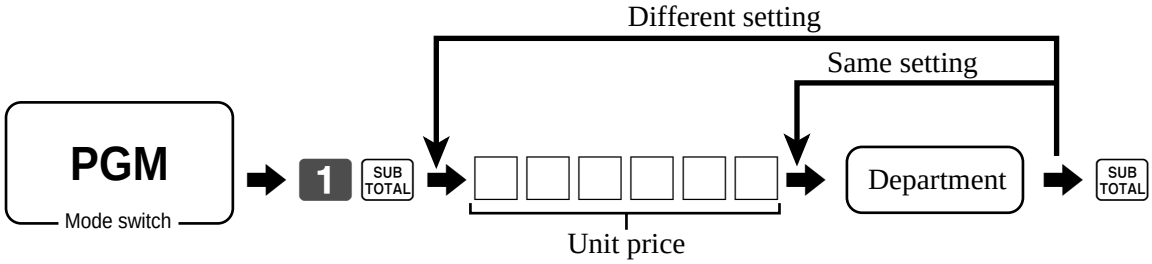
RECEIPT



- If [×/FOR DATE TIME] is not allocated on the keyboard, key allocation is necessary.

Programming department keys

To program a unit price for each department

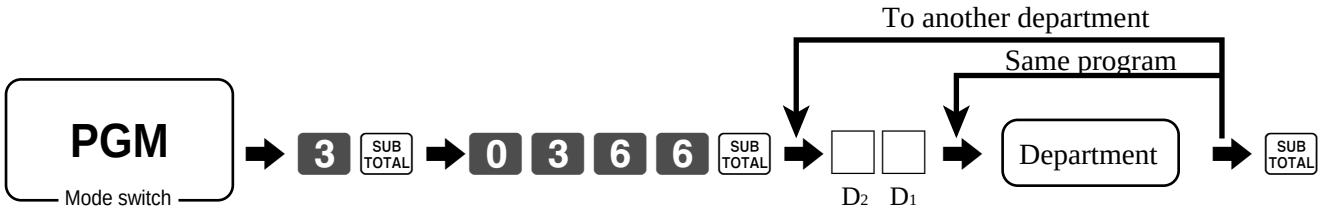


To program the tax calculation status for each department

Tax calculation status

This specification defines which tax table should be used for automatic tax calculation.

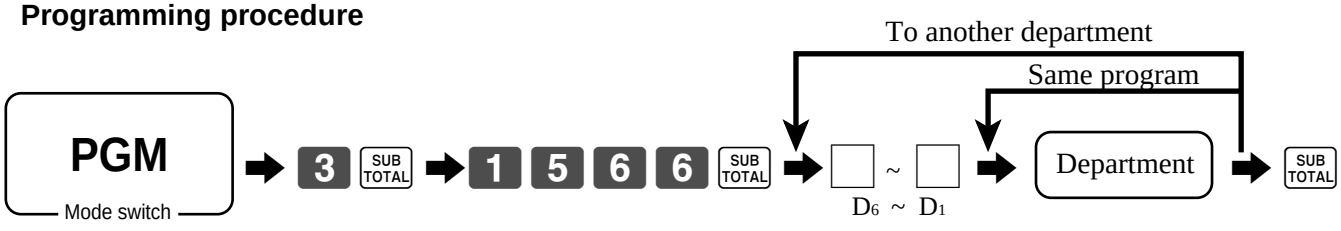
Programming procedure



Description		Choice	Program code
for the U.S. / Singapore			
Food stamp (for Singapore, always "0".)		Yes = 1 No = 0	□ D_2
Taxable 1 status	a	Yes = 1 No = 0	a+b+c □ D_1
Taxable 2 status	b	Yes = 2 No = 0	
Taxable 3 status	c	Yes = 4 No = 0	
for Canada			
Donuts status		Yes = 1 No = 0	□ D_2
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		Significant number	□ D_1
for other area			
Non tax = 0 Taxable 1 = 1 Taxable 2 = 2 Taxable 3 = 3 Taxable 4 = 4 Taxable 5 = 5 Taxable 6 = 6 Taxable 7 = 7 Taxable 8 = 8 Taxable 9 = 9 Taxable 10 = 10		Significant numbers	□□ $D_2 D_1$

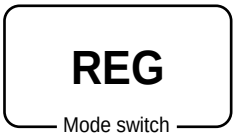
To program high amount limit for each department

Programming procedure



Description	Choice	Program code
High amount limit for entering unit price manually.	Significant numbers	□ ~ □ D_6~D_1

Registering department keys by programming data



Preset price

Item	Unit price	$(\$1.00)_{preset}$
	Quantity	1
	Dept.	2
Payment	Cash	$1.00

OPERATION

2

CA/AMT TEND

RECEIPT

```
1 DEPT02          ·1.00
  TL            - 1.00
  CASH            ·1.00
```

Department No./ unit price

Preset tax status

Item 1	Unit price	$(\$2.00)_{preset}$
	Quantity	5
	Dept.	3
	Taxable	$(1)_{preset}$
Item 2	Unit price	$(\$2.00)_{preset}$
	Quantity	1
	Dept.	4
	Taxable	$(2)_{preset}$
Payment	Cash	$20.00

OPERATION

5 ×/DATE TIME

3

4

SUB TOTAL

2 0 00 CA/AMT TEND

RECEIPT

```
                  Tax status
5 DEPT03     T1     ·10.00
1 DEPT04     T2      ·2.00
  TA1               ·10.00  Taxable Amount 1
  TX1                ·0.40  Tax 1
  TA2                ·2.00  Taxable Amount 2
  TX2                ·0.20  Tax 2
  TL              - 12.60
  CASH              ·20.00
  CG                 ·7.40
```

- The model for the U.S./Canada, use ×/FOR DATE TIME instead of ×/DATE TIME.

Locking out high amount limitation

Item	Unit price	$1.05
	Quantity	1
	Dept.	3
	Max.amount	$(\$10.00)_{preset}$
Payment	Cash	$2.00

OPERATION

1 0 5 0 3

ERROR ALARM
(Exceeding high amount)

C

1 0 5 3

SUB TOTAL

2 00 CA/AMT TEND

RECEIPT

```
1 DEPT03          ·1.05
  TL            - 1.05
  CASH            ·2.00
  CG              ·0.95
```

Preparing and using PLUs

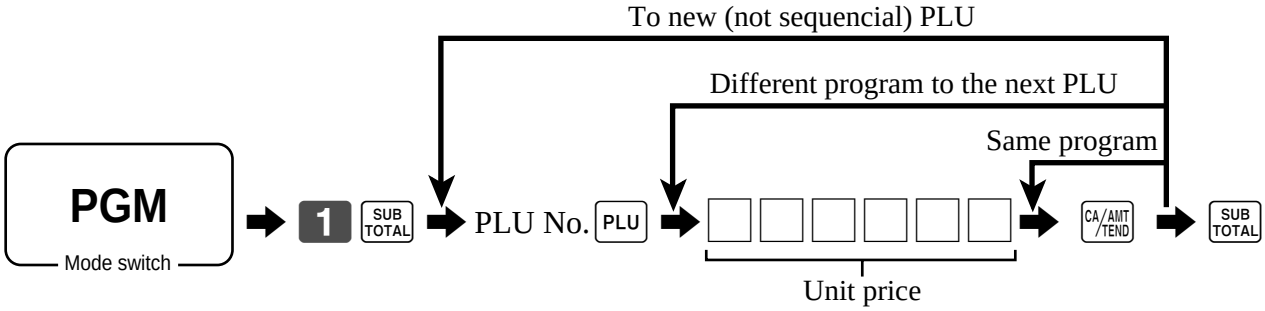
This section describes how to prepare and use PLUs.

CAUTION:

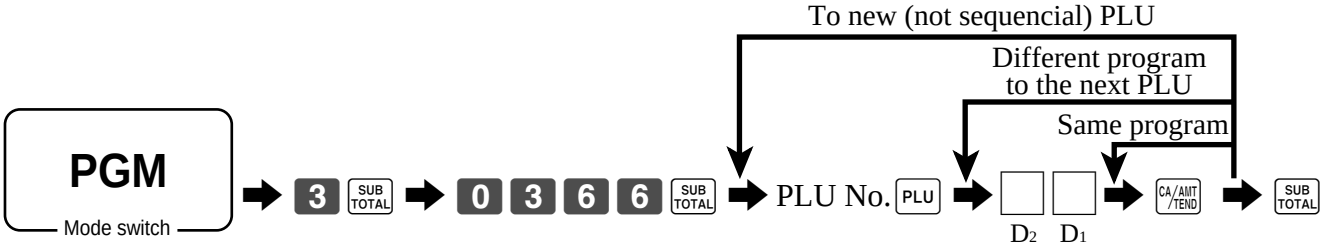
Before you use PLUs, you must first program the unit price and tax status.

Programming PLUs

To program a unit price for each PLU



To program tax calculation status for each PLU



Description		Choice	Program code
for the U.S. / Singapore			
Food stamp (for Singapore, always “0”.)		Yes = 1 No = 0	D_2
Taxable 1 status	a	Yes = 1 No = 0	a+b+c D_1
Taxable 2 status	b	Yes = 2 No = 0	
Taxable 3 status	c	Yes = 4 No = 0	
for Canada			
Donuts status		Yes = 1 No = 0	D_2
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		Significant number	D_1
for other area			
Non tax = 0 Taxable 1 = 1 Taxable 2 = 2 Taxable 3 = 3 Taxable 4 = 4 Taxable 5 = 5 Taxable 6 = 6 Taxable 7 = 7 Taxable 8 = 8 Taxable 9 = 9 Taxable 10 = 10		Significant numbers	D_2 D_1

Registering PLUs

REG
Mode switch

The following examples show how you can use PLUs in various types of registrations.

PLU single item sale

Item	Unit price	($2.50)$_{preset}$
	Quantity	1
	PLU	14
Payment	Cash	$3.00

OPERATION

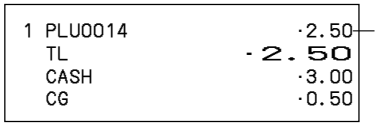
1 4
PLU code

PLU

SUB TOTAL

3 00 CA/AMT TEND

RECEIPT



PLU No./unit price

PLU repeat

Item	Unit price	($2.50)$_{preset}$
	Quantity	3
	PLU	14
Payment	Cash	$10.00

OPERATION

1 4 PLU

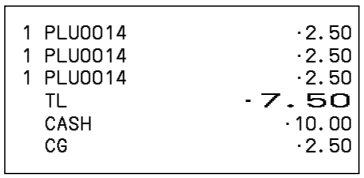
PLU

PLU

SUB TOTAL

1 0 00 CA/AMT TEND

RECEIPT



PLU multiplication

Item	Unit price	($2.00)$_{preset}$
	Quantity	10
	PLU	7
Payment	Cash	$20.00

OPERATION

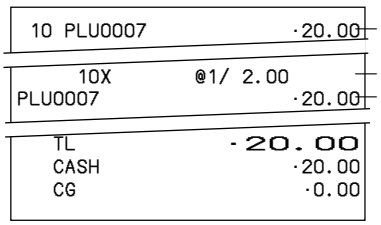
1 0 ×/DATE TIME
Quantity
(4-digit integer/2-digit decimal)

7 PLU

SUB TOTAL

2 0 00 CA/AMT TEND

RECEIPT



Quantity/result
or
Quantity/unit q'ty/@
Result

- The model for the U.S./Canada, use ×/FOR/DATE TIME instead of ×/DATE TIME.

Split sales of packaged item

Item	Unit price	(5for$20.00)preset
	Quantity	3
	PLU	28
Payment	Cash	$15.00

OPERATION

3 [X/FOR DATE TIME]
Quantity being purchased
(4-digit integer/2-digit decimal)

5 [X/FOR DATE TIME]
Package quantity
(4-digit integer/2-digit decimal)

2 8 [PLU]

[SUB TOTAL]

1 5 00 [CA/AMT TEND]

RECEIPT

```
3 PLU0028                ·12.00
      3X        @5/ 20.00
PLU0028                  ·12.00
 TL                 - 12.00
 CASH                  ·15.00
 CG                     ·3.00
```

Quantity/result
or
Quantity/unit q'ty/@
Result

- If [X/FOR DATE TIME] is not allocated on the keyboard, key allocation is necessary.

Open PLU

Item 1	Unit price	$32.80
	Quantity	1
	PLU	30
Item 2	Unit price	$13.00
	Quantity	2
	PLU	31
Payment	Cash	$60.00

OPERATION

3 0 [PLU]

3 2 8 0 [PRICE]
Unit price

3 1 [PLU]

1 3 00 [PRICE]
Repeat [PRICE]

[SUB TOTAL]

6 0 00 [CA/AMT TEND]

RECEIPT

```
1 PLU0030                ·32.80
1 PLU0031                ·13.00
1 PLU0031                ·13.00
  TL                 - 58.80
  CASH                  ·60.00
  CG                     ·1.20
```

- Before registering an open PLU, it is necessary to preset it as an open PLU.

Shifting the taxable status of an item

REG
Mode switch

By pressing "Tax Shift" key, you can shift the taxable status of an item.

Calculation merchandise subtotal

Item 1	Dept. 1	$4.00
	Quantity	1
	Taxable	$(2)_{preset}$
Item 2	Dept. 2	$2.00
	Quantity	1
	Taxable	(No)→1
Item 3	Dept. 3	$6.00
	Quantity	1
	Taxable	(1)→1, 2
Item 4	Dept. 4	$7.00
	Quantity	1
	Taxable	(2)→No
Payment	Cash	$20.00

OPERATION

4 00 1

T/S1

2 00 2

Pressing T/S1 changes the tax status from Nontaxable to Taxable 1

T/S2

6 00 3

Pressing T/S2 changes the tax status from Taxable 1 to Taxable 1, 2

T/S2

7 00 4

Pressing T/S2 changes the tax status from Taxable 2 to Nontaxable

SUB TOTAL

2 0 00 CA/AMT TEND

RECEIPT

```
1 DEPT01        T2        ·4.00
1 DEPT02        T1        ·2.00
1 DEPT03        T12       ·6.00
1 DEPT04                  ·7.00
  TA1                     ·8.00
  TX1                     ·0.32
  TA2                    ·10.00
  TX2                     ·0.50
  TL                   - 19.82
  CASH                   ·20.00
  CG                      ·0.18
```

Important!

- 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 nontaxable, a discount (%− key) operation on this item is always nontaxable.
  In this case, you cannot manually change the tax status to Taxable 1 or 2 by pressing the T/S1, T/S2 keys.

Preparing and using discounts

This section describes how to prepare and register discounts.

Programming discounts

To program a rate to the [%−] key

PGM (Mode switch) ➡ 1 [SUB TOTAL] ➡ □□□□ (Preset rate) ➡ [%−] ➡ [SUB TOTAL]

Example:

10% ⇨ 1 0
5.5% ⇨ 5 · 5
12.34% ⇨ 1 2 · 3 4

Registering discounts

REG (Mode switch)

The following example shows how you can use the [%−] key in various types of registration.

Discount for items and subtotals

Item 1	Dept. 1	$5.00
	Quantity	1
	Taxable	$(1)_{preset}$
Item 2	PLU 16	$(\$10.00)_{preset}$
	Quantity	1
	Taxable	$(2)_{preset}$
Discount	Rate	$(5\%)_{preset}$
Subtotal discount	Rate	3.5%
	Taxable	Nontaxable
Payment	Cash	$15.00

OPERATION

5 00 [1]
1 6 [PLU]
[%−]

Applies the preset discount rate to the last item registered.

[SUB TOTAL]
3 · 5 [%−]

The input value takes priority of the preset value.

[SUB TOTAL]
1 5 00 [CA/AMT TEND]

RECEIPT

```
1 DEPT01        T1        ·5.00
1 PLU0016       T2       ·10.00
  5%
  %-            T2        -0.50
  ST                     ·14.50
   3.5%
  %-                      -0.51
  TA1                     ·5.00
  TX1                     ·0.20
  TA2                     ·9.50
  TX2                     ·0.48
  TL                    -14.67
  CASH                   ·15.00
  CG                      ·0.33
```

- You can manually input rates up to 4 digits long (0.01% to 99.99%).

Taxable status of the [%−] key

- Whenever you perform a discount operation on the last item registered, the tax calculation for discount amount is performed in accordance with the tax status programmed for that item.
- Whenever you perform a discount operation on a subtotal amount, the tax calculation for the subtotal amount is performed in accordance with the tax status programmed for the [%−] key.

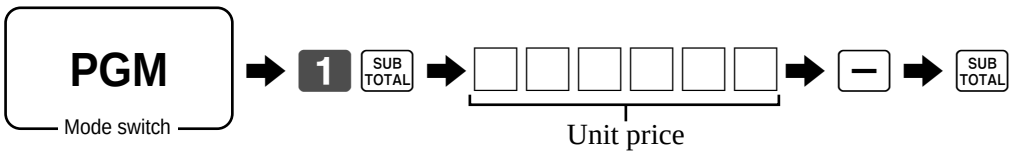
Preparing and using reductions

This section describes how to prepare and register reductions.

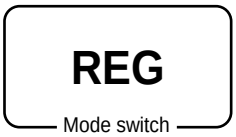
Programming for reductions

You can use the [−] key to reduce single item or subtotal amounts.

To program preset reduction amount



Registering reductions



The following examples show how you can use the [−] key in various types of registration.

Reduction for items

Item 1	Dept. 1	$5.00
	Quantity	1
	Taxable	$(1)_{preset}$
Reduction	Amount	$0.25
Item 2	PLU 45	$($6.00)_{preset}$
	Quantity	1
	Taxable	$(1)_{preset}$
Reduction	Amount	$($0.50)_{preset}$
Payment	Cash	$11.00

OPERATION

5 00 1

2 5 −

Reduces the last amount registered by the value input.

4 5 PLU

−

SUB TOTAL

1 1 00 CA/AMT TEND

RECEIPT

```
1 DEPT01        T1      ·5.00
  −             T1      −0.25
1 PLU0045       T1      ·6.00
  −             T1      −0.50
  TA1                   ·10.25
  TX1                    ·0.41
  TL                   - 10.66
  CASH                  ·11.00
  CG                     ·0.34
```

- You can manually input reduction values up to 7 digits long.
- If you want to subtract the reduction amount from the department or PLU totalizer, program “Net totaling.”

Reduction for subtotal

Item 1	Dept. 1	$3.00
	Quantity	1
	Taxable	$(1)_{preset}$
Item 2	Dept. 2	$4.00
	Quantity	1
	Taxable	$(2)_{preset}$
Subtotal Reduction	Amount	$0.75
	Taxable	$(No)_{preset}$
Payment	Cash	$7.00

OPERATION

3 00 1

4 00 2

SUB TOTAL

7 5 −

Reduces the subtotal by the value input here.

SUB TOTAL

7 00 CA/AMT TEND

RECEIPT

```
1 DEPT01        T1        ·3.00
1 DEPT02        T2        ·4.00
  -                       -0.75
  TA1                     ·3.00
  TX1                     ·0.12
  TA2                     ·4.00
  TX2                     ·0.20
  TL                    -6.57
  CASH                    ·7.00
  CG                      ·0.43
```

Registering credit and check payments

REG
Mode switch

The following examples show how to register credits and payments by check.

Check

Item	Dept. 1	$11.00
	Quantity	1
Payment	Check	$20.00

OPERATION

1 1 00 [1] [SUB TOTAL]

2 0 00 [CHK/TEND]

RECEIPT

```
1 DEPT01              ·11.00
  TL                - 11.00
  CHECK               ·20.00
  CG                   ·9.00
```

Credit

Item	Dept. 4	$15.00
	Quantity	1
Reference	Number	1234
Payment	Credit	$15.00

OPERATION

1 5 00 [4] [SUB TOTAL]

1 2 3 4 [#/NS]

[CR1]

RECEIPT

```
1 DEPT04              ·15.00
  #/NS                  1234   <- Reference No.
  TL                - 15.00
  CREDIT1             ·15.00
```

Mixed tender (cash, credit and check)

Item	Dept. 4	$55.00
	Quantity	1
Payment	Check	$30.00
	Cash	$5.00
	Credit	$20.00

OPERATION

5 5 00 [4] [SUB TOTAL]

3 0 00 [CHK/TEND]

5 00 [CA/AMT TEND]

[CR1]

RECEIPT

```
1 DEPT04              ·55.00
  TL                - 55.00
  CHECK               ·30.00
  CASH                 ·5.00
  CREDIT1             ·20.00
```

Registering both the Euro and local currency

REG
Mode switch

The following example shows the basic operation using the currency exchange function between the Euro and the local currency.

Case A

Main currency	Local
Payment	Euro
Change	Local
Rate	1 Euro = 0.5 FFr

OPERATION		DISPLAY
6 0 0 1		
PD	⇦ Press the PD key, which converts the subtotal amount into the sub currency by applying the preset exchange rate.	0.00E
SUB TOTAL	After you press the SUB TOTAL key, the result is shown on the display.	12.00E
PD	⇦ Press the PD key if you enter the payment in the sub currency.	0.00E
1 5 00		15.00E
CA/AMT TEND	⇦ Press the CA/AMT TEND key to finalize the transaction. The change amount is shown in the programmed currency.	1.50

RECEIPT

```
1 DEPT01                    ·6.00
  TL                       -6.00
                           ( 12.00)
  EUR0 money
  CASH                      15.00
  CG                        ·1.50
                           ( 3.00)
```

Case B

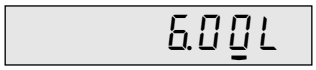
Main currency	Euro
Payment	Local
Change	Euro
Rate	1 Euro = 0.5 FFr

OPERATION **DISPLAY**

1 2 00 1

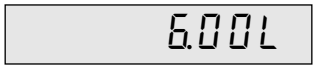
PD ⇦ Press the PD key, which converts the subtotal amount into the sub currency by applying the preset exchange rate.
After you press the SUB TOTAL key, the result is shown on the display.

SUB TOTAL



PD ⇦ Press the PD key if you enter the payment in the sub currency.

6 00



CA/AMT/TEND ⇦ Press the CA/AMT/TEND key to finalize the transaction.
The change amount is shown in the programmed currency.

RECEIPT

```
1 DEPT01                12.00
  TL                    12.00
                       (-6.00)
  LOCAL money
  CASH                  -6.00
  CG                     0.00
                       (-0.00)
```

Registering returned goods in the REG mode

REG
Mode switch

The following example shows how to use the [RF] key in the REG mode to register goods returned by customers.

Item 1	Dept. 1	$2.35
	Quantity	1
Item 2	Dept. 2	$2.00
	Quantity	1
Item 3	PLU 1	($1.20)$_{preset}$
	Quantity	1
Returned Item 1	Dept. 1	$2.35
	Quantity	1
Returned Item 3	PLU 1	($1.20)$_{preset}$
	Quantity	1
Payment	Cash	$2.00

OPERATION

2 3 5 1
2 00 2
1 PLU
RF
2 3 5 1

Press [RF] before the item you want to return.

RF
1 PLU
SUB TOTAL
CA/AMT TEND

RECEIPT

```
1 DEPT01              ·2.35
1 DEPT02              ·2.00
1 PLU0001             ·1.20
  RF          ..............
1 DEPT01             -2.35
  RF          ..............
1 PLU0001             -1.20
  TL                -2.00
  CASH                ·2.00
```

Registering returned goods in the RF mode

RF
Mode switch

The following examples show how to use the RF mode to register goods returned by customers.

Normal refund transaction

Returned Item 1	Dept. 1	$1.50
	Quantity	2
Returned Item 2	PLU 2	($1.20)$_{preset}$
	Quantity	6
Payment	Cash	$10.20

OPERATION

1 5 0 1
1
6 ×/DATE TIME
2 PLU
CA/AMT TEND

RECEIPT

RF mode symbol

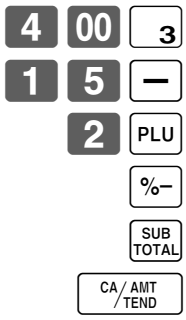
```
RF 03-06-2000(SAT) 11:50
C01          MC#01      000023

 2 DEPT01              ·3.00
 6 PLU0002             ·7.20
   TL                -10.20
   CASH               ·10.20
```

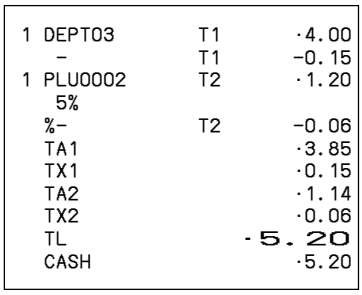
- The model for the U.S./Canada, use [×/FOR DATE TIME] instead of [×/DATE TIME].

Reduction of amounts paid on refund

OPERATION **RECEIPT**

Returned Item 1	Dept. 3	$4.00
	Quantity	1
Reduction	Amount	$0.15
Returned Item 2	PLU 2	($1.20)$_{preset}$
	Quantity	1
Discount	Rate	(5%)$_{preset}$
Payment	Cash	$5.20

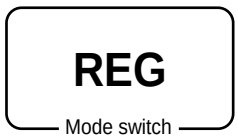




Important!

• To avoid miss registrations in the RF mode, return the mode switch to the former position immediately.

Registering money received on account

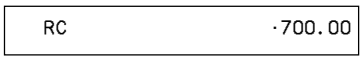


The following example shows how to register money received on account. This registration must be performed out of a sale.

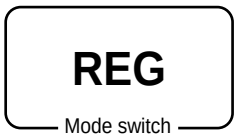
OPERATION **RECEIPT**

Received amount	$700.00

Amount can be up to 8 digits.



Registering money paid out

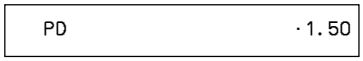


The following example shows how to register money paid out from the register. This registration must be performed out of a sale.

OPERATION **RECEIPT**

Paid out amount	$1.50

Amount can be up to 8 digits.



Registering loan amounts

REG
Mode switch

Use this procedure to register loan or bank received from the office.

Item	Note	$1.00
	Quantity	10
	Note	$5.00
	Quantity	5
Media	Cash	$35.00

OPERATION

1 0 ×/DATE TIME
1 00 LOAN
5 ×/DATE TIME
5 00 LOAN
CA/AMT TEND

RECEIPT

```
LOAN              ·10.00
LOAN              ·25.00
CASH              ·35.00
```

- The model for the U.S./Canada, use ×/FOR DATE TIME instead of ×/DATE TIME.

Registering pick up amounts

REG
Mode switch

Use this procedure to register pick up money from cash drawer.

Item	Coin	$0.50
	Quantity	10
	Coin	$0.10
	Quantity	5
Media	Cash	$5.50

OPERATION

1 0 ×/DATE TIME
5 0 PICK UP
5 ×/DATE TIME
1 0 PICK UP
CA/AMT TEND

RECEIPT

```
P.UP              ·5.00
P.UP              ·0.50
CASH              ·5.50
```

- The model for the U.S./Canada, use ×/FOR DATE TIME instead of ×/DATE TIME.

Changing media in drawer

REG
Mode switch

Use this procedure to change media in drawer.

Media	Check	-10.00
	Cash	$8.00
	Charge	$2.00

OPERATION

MEDIA CHANGE
1 0 00 CHK/TEND
Enter the amount to be changed.
8 00 CA/AMT TEND
2 00 CH

RECEIPT

```
MEDIA CHG         ·········
CHECK             ·10.00
CASH              ·8.00
CH                ·2.00
```

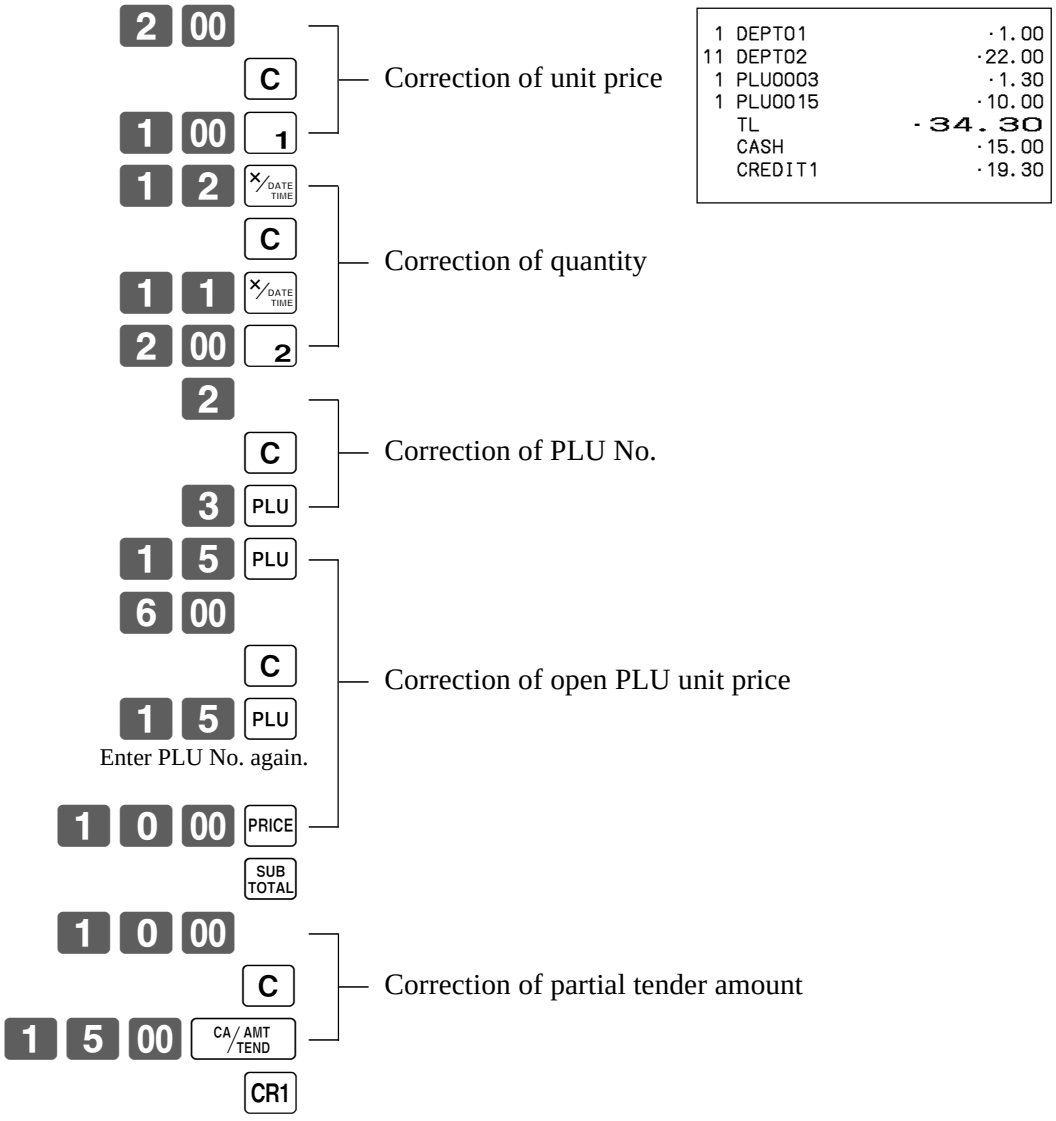
Making corrections in a registration

REG
Mode switch

There are three techniques you can use to make corrections in a registration.
- To correct an item that you input but not yet registered.
- To correct the last item you input and registered.
- To cancel all items in a transaction.

To correct an item you input but not yet registered

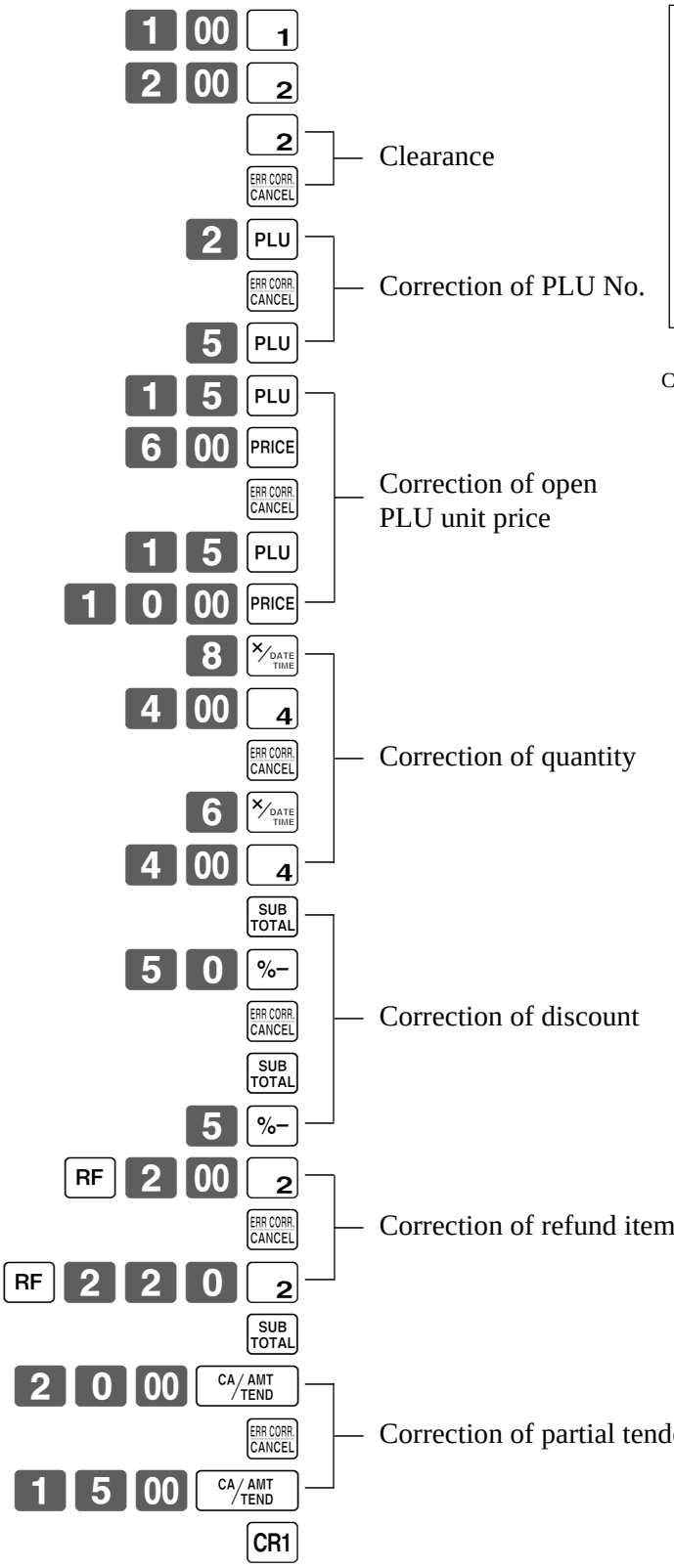
OPERATION **RECEIPT**



- The model for the U.S./Canada, use ×/FOR /DATE TIME instead of ×/DATE TIME.

To correct an item you input and registered

OPERATION **RECEIPT**




```
1 DEPT01                    ·1.00
1 DEPT02                    ·2.00
1 PLU0005                   ·1.50
1 PLU0015                  ·10.00
6 DEPT04                   ·24.00
  ST                       ·38.50
   5%
  %-                        -1.93
  RF                  ..............
1 DEPT02                    -2.20
  TL                      ·34.37
  CASH                     ·15.00
  CREDIT1                  ·19.37
```

Corrected items are not printed on receipt.

- The model for the U.S./Canada, use ×/FOR/DATE TIME instead of ×/DATE TIME.

To cancel all items in a transaction

OPERATION	RECEIPT

1 00 1
2 00 2
3 00 3
4 00 4
SUB TOTAL

```
1 DEPT01                ·1.00
1 DEPT02                ·2.00
1 DEPT03                ·3.00
1 DEPT04                ·4.00
  CANCEL          ··············
```

Pressing SUB TOTAL key is necessary to cancel the transaction.

ERR CORR. CANCEL

No sale registration

REG
Mode switch

You can use the following procedure to open the drawer without registering a sale. This operation must be performed out of a sale.

OPERATION	RECEIPT

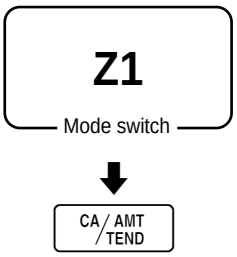
#/NS

```
#/NS            ··············
```

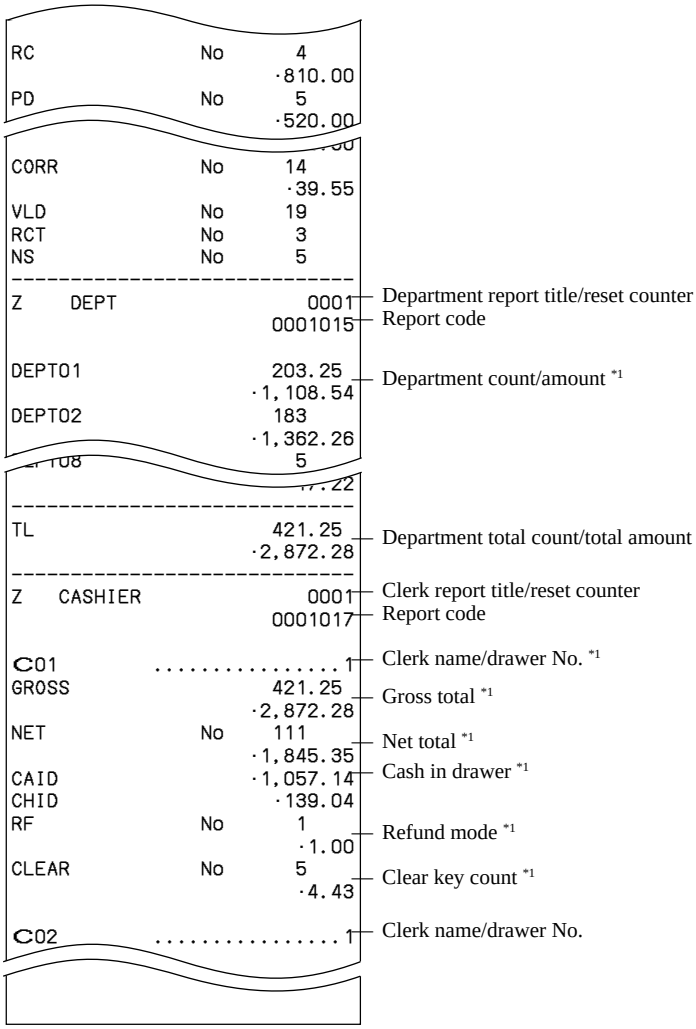
Printing the daily sales reset report

This report shows daily sales totals.

OPERATION **REPORT**




```
Z    03-06-2000(SAT) 17:00          Date/time
C01          MC#01      000231      Clerk name/mc No./consecutive No.
------------------------------
Z    BATCH 01                       Report title
------------------------------
Z    FIX                   0001     Fixed total report title/reset counter
                         0001011    Report code

GROSS                     981.25
                        ·6,574.40   Gross total *2
NET              No       111
                        ·7,057.14   Net total *2
CAID                    ·1,919.04   Cash in drawer *2
CHID                      ·139.04   Charge in drawer *2
CKID                      ·859.85   Check in drawer *2
CRID(1)                   ·709.85   Credit in drawer *2
------------------------------
RF               No         3
                           ·10.22   Refund mode *2
CUST             CT       111      Number of customer *2
AVRG                      ·63.57   Average sales per customer *2
DC                         ·1.22   Discount total *2
REF                        ·2.42   Refund key *2
CLEAR            No        85      Clear key count *2
ROUND                      ·0.00   Rounding total *2
CANCEL           No         2
                           ·12.97   Cancellation *2
------------------------------
TA1                     ·2,369.69   Taxable 1 amount *2
TX1                       ·128.86   Tax 1 amount *2
TA2                     ·2,172.96   Taxable 2 amount *2
TX2                       ·217.33   Tax 2 amount *2
------------------------------
GT1          ·00000000125478.96     Grand total 1 *2
GT2          ·00000000346284.23     Grand total 2 *2
GT3          ·00000000123212.75     Grand total 3 *2
------------------------------
Z    TRANS                 0001     Function key report title/reset counter
                         0001012    Report code
CASH             No       362
                        ·1,638.04   Function key count/amount *1
CHARGE           No        56
                        ·1,174.85
```



*1 Zero totalled departments/functions/clerks are not printed by programming.

*2 These items can be skipped by programming.

This chapter describes more sophisticated operations that you can use to suit the needs of your retail environment.

Stock check

Each PLU has an actual stock totalizer that you can program with a minimum stock quantity. Then the register checks actual stock quantities against the programmed minimum stock quantities. Stock operations are performed only for PLUs (except scanning PLUs) programmed with minimum stock quantities.

Stock warnings

The cash register checks for negative values in actual stock quantities during the registration itself. After registration is complete, it checks actual stock quantities against minimum stock quantities. The following warning indicators are used to inform the operator of any problem.

• Negative stock:
This indicates that the actual stock quantity is negative. You can also program the cash register to treat this condition as an error. This warning does not appear when the actual stock quantity is zero.

• Under minimum stock:
This indicates that the actual stock quantity is less than or equal to the minimum stock quantity. The cash register can be programmed so that a buzzer sounds when the actual stock quantity is less than the minimum stock quantity.

Notes

• The stock check operation is also performed for PLUs programmed with minimum stock quantities that make up set menus.
• None of the warning indicators appear unless the cash register is specifically programmed for the stock check operation.
• Stock operations can be performed for registrations in the RF mode or those performed with <REFUND> (the refund key).
• An error correct, void, or cancel operation restores the original of items in stock value.

Clerk interrupt function

There are two types of clerk interrupt function, illustrated by PROCEDURE 1 and PROCEDURE 2 below.

• In PROCEDURE 1, each clerk possesses a unique clerk interrupt buffer, and so the clerk interrupt function gives each individual clerk the ability to perform an independent registration operation. In this case, each clerk is individually linked to a unique clerk interrupt buffer.
• In PROCEDURE 2, multiple clerks use the same clerk interrupt buffer, and so a single clerk interrupt operation (clerk change during registration) can be performed any registration is in progress. In this case, multiple clerks are linked to a single clerk interrupt buffer.

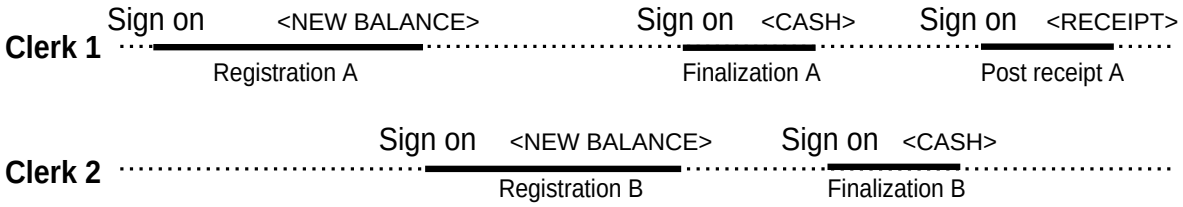
Note the following important points concerning the clerk interrupt function.

• The register must be programmed to allow use of the clerk interrupt function.
• To use the clerk interrupt function, a clerk interrupt buffer must first be allocated with the memory allocation operation. Next the manager control operation (X1 mode) should be used to perform clerk assignment for the clerk interrupt function. The clerk interrupt operation cannot be performed by clerks who are not linked to a clerk interrupt buffer.
• You cannot use the clerk interrupt function on a register set up to function as part of a check tracking system.

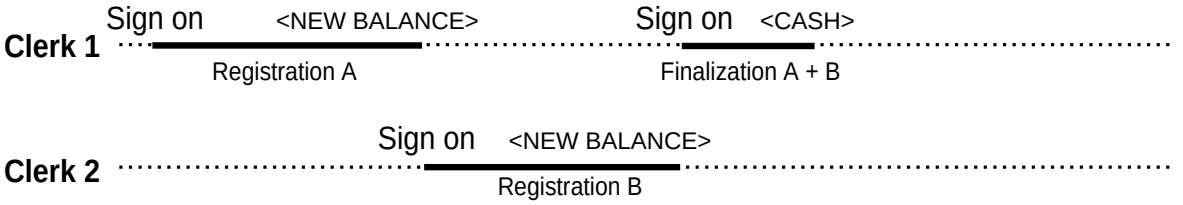
In the REG1, REG2, and RF modes, clerks can be change while a transaction is in progress, making it possible for multiple clerks to simultaneously perform registrations using a single register.

For example, if clerk 1 is interrupted while registering a transaction, clerk 2 can use the same machine to register a different transaction. Then clerk 1 can continue the original registration from the point where it was interrupted.

PROCEDURE 1



PROCEDURE 2



NOTES

- A guest receipt can be issued following clerk change, and receipts can be issued separately for each clerk.
- A cancel operation can be performed during registration by either of the clerks. When clerk 1 signs back on (after being interrupt by clerk 2), the cancel operation cancels only the items registered after signing back on (only this receipt) or from the top of the transaction. This is selectable by the key program.

Single item cash sales

A department key or PLU programmed with single item sale status finalizes the transaction as soon as it is registered.
The single item sales function cannot work properly if the keyboard does not include <CASH> (the cash key).
The single item sales function can only be used for cash sales.

Example 1

Item	Dept. 1	$1.00
	Quantity	1
	Status	S.I.S
Payment	Cash	$1.00

OPERATION

1 00 1

The transaction is immediately finalized.

RECEIPT

Example 2

OPERATION **RECEIPT**

Item	Dept. 1	($1.00)
	Quantity	3
	Status	S.I.S
Payment	Cash	$3.00

3 [×/DATE TIME] 1

The transaction is immediately finalized.

```
3 DEPT01              ·3.00
  TL                 -3.00
  CASH                ·3.00
```

- The model for the U.S./Canada, use [×/FOR DATE TIME] instead of [×/DATE TIME].

Example 3

OPERATION **RECEIPT**

Item 1	Dept. 3	$2.00
	Quantity	1
	Status	Normal
Item 2	Dept. 1	$1.00
	Quantity	1
	Status	S.I.S
Payment	Cash	$3.00

2 00 3 1

The transaction is not finalized. Because another item is registered before the single item sales department.

[CA/AMT TEND]

```
1 DEPT03              ·2.00
1 DEPT01              ·1.00
  TL                 -3.00
  CASH                ·3.00
```

Addition

Addition (plus)

Example

OPERATION **RECEIPT**

Item 1	Dept. 1	$1.00
	Quantity	1
	Addition	$0.10
Item 2	Dept. 1	$2.00
	Quantity	3
	Addition	3 × ($0.20)
Payment	Cash	$7.70

1 00 1
1 0 +
3 [×/DATE TIME]
2 00 1
3 [×/DATE TIME]
+
[CA/AMT TEND]

```
1 DEPT01              ·1.00
  +                   ·0.10
3 DEPT01              ·6.00
  +                   ·0.60
  TL                 -7.70
  CASH                ·7.70
```

- The model for the U.S./Canada, use [×/FOR DATE TIME] instead of [×/DATE TIME].

Premium (%+)

Example

OPERATION **RECEIPT**

Item 1	Dept. 1	$1.00
	Quantity	1
	Premium	10%
Item 2	Dept. 1	$2.00
	Quantity	3
Subtotal	Premium	(15%)
Payment	Cash	$8.17

1 00 1
1 0 %+
3 ×/DATE TIME
2 00 1
SUB TOTAL
%+
CA/AMT TEND

```
1 DEPT01              ·1.00
  10%
  %+                  ·0.10
3 DEPT01              ·6.00
  ST                  ·7.10
  15%
  %+                  ·1.07
  TL                 -8.17
  CASH                ·8.17
```

- The model for the U.S./Canada, use ×/FOR /DATE TIME instead of ×/DATE TIME.

Tray total

Tray total premium/discount

The buffer memory stores all items that fall into the prescribed range, starting from the first item registered for a transaction up to the point that <TRAY TOTAL> (the tray total key) is pressed to perform a tray total premium/discount operation. Following a premium/discount operation, the buffer is cleared and storage of new data starts from registration of the next item following the first premium/discount operation. The following operations clear the buffer memory.

- Press <TRAY TOTAL> twice.
- Press <TRAY TOTAL> and then perform a premium/discount operation. The contents of the buffer memory are restored if an error correction operation is performed to delete the premium/discount operation.

Example

Group 1	Dept. 1	$1.00
	Dept. 3	$2.00
	Discount	$(5\%)_{preset}$
Group 2	Dept. 3	$3.00
	Dept. 4	$4.00
	Discount	10%
Payment	Cash	$9.15

OPERATION

1 00 1
2 00 3
TRAY TOTAL
%−
3 00 3
4 00 4
TRAY TOTAL
1 0 %−
CA/AMT TEND

RECEIPT

```
1 DEPT01              ·1.00
1 DEPT03              ·2.00
  TRAY TL            -3.00
   5%
  %-                 -0.15
1 DEPT03              ·3.00
1 DEPT04              ·4.00
  TRAY TL            -7.00
  10%
  %-                 -0.70
  TL                 -9.15
  CASH                ·9.15
```

Multiple item totalling function

This function accumulates all items registered from the first item registered up to point that <TRAY TOTAL> is pressed, or all items between two presses of <TRAY TOTAL>. Pressing <TRAY TOTAL> displays the total amount with the tax included and prints it on the receipt and journal (printing on receipt and journal is programmable.)

Example

CustomerA	Dept. 1	$1.00
	Dept. 3	$2.00
CustomerB	Dept. 3	$3.00
	Dept. 4	$4.00
Payment	Cash	$10.00

OPERATION

1 00 1
2 00 3
TRAY TOTAL
3 00 3
4 00 4
TRAY TOTAL
CA/AMT TEND

RECEIPT

```
1 DEPT01              ·1.00
1 DEPT03              ·2.00
  TRAY TL            -3.00
1 DEPT03              ·3.00
1 DEPT04              ·4.00
  TRAY TL            -7.00
  TL                -10.00
  CASH               ·10.00
```

Coupon transactions

Note that errors result when the result of a calculation is negative if the cash register is programmed to prohibit credit balances.

Coupon registration using <COUPON> (coupon key)

Example

Item 1	Dept. 1	$3.00
	Quantity	2
	Coupon	$0.50 × 2
Item 2	Dept. 3	$4.00
	Quantity	1
	Coupon	($1.00)
Payment	Cash	$8.00

OPERATION

2 [×/DATE TIME]
3 00 [1]
2 [×/DATE TIME]
5 0 [CPN]
4 00 [3]
[CPN]
[CA/AMT TEND]

RECEIPT

```
2 DEPT01              ·6.00
  CPN                 -1.00
1 DEPT03              ·4.00
  CPN                 -1.00
  TL                  -8.00
  CASH                ·8.00
```

- The model for the U.S./Canada, use [×/FOR DATE TIME] instead of [×/DATE TIME].

Coupon registration using <COUPON2> (coupon 2 key)

Example

Item 1	Dept. 1	$15.00
	Quantity	1
	Coupon 2 Dept. 1	$1.50
Item 2	PLU 10	$5.00
	Quantity	1
	Coupon 2 PLU 50	($0.50)
Payment	Cash	$18.00

OPERATION

1 5 00 [1]
[CPN2] 1 5 0 [1]
1 0 [PLU]
[CPN2] 5 0 [PLU]
[CA/AMT TEND]

RECEIPT

```
1 DEPT01             ·15.00
  CPN2               ..............
1 DEPT01              -1.50
1 PLU0010             ·5.00
  CPN2               ..............
1 PLU0050             -0.50
  TL                 -18.00
  CASH               ·18.00
```

Registering the second unit price

Second unit prices along with quantity modifiers can be programmed to PLUs. Pressing <PRICE SHIFT> (price shift key) calls up the second unit price, quantity modifier, and descriptor. Totalizers and inventory are adjusted by multiplying the number of items being registered by the quantity modifier programmed to the PLU being registered.

- <PRICE SHIFT> must be pressed before each registration of a PLU.
- Second unit price registration is no available with open PLUs when unit price is not preset.
- Second unit prices and quantity modifiers are assigned to PLUs using programming procedures described in the dealer's manual.
- Even if a PLU is programmed with a package quantity, the second unit price and quantity modifier are applied during registration following operation of <PRICE SHIFT>.

Example 1

Item 1	PLU 1 $_{2nd@}$	($10.00)
	Quantity	1
	Unit Q'ty	1
Item 2	PLU 10 $_{2nd@}$	($5.00)
	Quantity	1
	Unit Q'ty	1
Payment	Cash	$15.00

OPERATION

[PRICE SHIFT] [1] [PLU]

The operation declares that the next input is a second unit price.

[PRICE SHIFT] [1] [0] [PLU]

[SUB TOTAL]

[CA/AMT TEND]

RECEIPT

```
1 PLU0001          ·10.00
1 PLU0010           ·5.00
  TL              -15.00
  CASH             ·15.00
```

Example 2

Item	PLU 2 $_{2nd@}$	($10.00)
	Quantity	5
	2nd Q'ty	3
Payment	Cash	$50.00

OPERATION

[5] [×/DATE TIME]

[PRICE SHIFT] [2] [PLU]

[5] [0] [00] [CA/AMT TEND]

RECEIPT

```
5 PLU0001          ·50.00
  TL              -50.00
  CASH             ·50.00
  CG                ·0.00
```

- The model for the U.S./Canada, use [×/FOR DATE TIME] instead of [×/DATE TIME].

Example 3

The procedure shown above are for when the cash register is programmed not to maintain a second unit price shift. It is programmed is performed to maintain a second unit price shift, the following procedure applies.

Item 1	PLU 1 $_{2nd@}$	($10.00)
	Quantity	1
	Unit Q'ty	1
Item 2	PLU 2 $_{2nd@}$	($5.00)
	Quantity	1
	Unit Q'ty	1
Item 3	PLU 1	($1.00)
	Quantity	1
	Unit Q'ty	1
Payment	Cash	$16.00

OPERATION

PRICE SHIFT 1 PLU

This operation shifts to registration of second unit price.

2 PLU

PRICE SHIFT PRICE SHIFT 1 PLU

This operation shifts back to registration of normal (first) unit price.

1 6 00 CA/AMT TEND

RECEIPT

```
1 PLU0001          ·10.00
1 PLU0002          ·5.00
1 PLU0001          ·1.00
  TL             -16.00
  CASH             ·16.00
  CG               ·0.00
```

Preset tender amount

An amount up to six digits long can be programmed to <CASH> (cash/amount tendered key). Then, when <CASH> is pressed without inputting a value, the programmed value is automatically registered and the transaction is finalized. When an amount is programmed to <CASH>, attempting to manually input an amount results in an error.

Example 1

Item	Dept. 1	$8.00
	Quantity	1
Payment	Cash	($10.00)

OPERATION

8 00 1

CA/AMT TEND

The preset amount is tendered.

RECEIPT

```
1 DEPT01           ·8.00
  TL             -8.00
  CASH             ·10.00
  CG               ·2.00
```

Example 2

Item	Dept. 1	$15.00
	Quantity	1
Payment	Cash	($10.00)
	Check	$5.00

OPERATION

1 5 00 1

1 0 00 CA/AMT TEND

An error occurs by manual input

C

5 00 CHK/TEND

CA/AMT TEND

RECEIPT

```
1 DEPT01          ·15.00
  TL            -15.00
  CHECK            ·5.00
  CASH             ·10.00
  CG               ·0.00
```

Bottle link operation

You can link PLU to a PLU.

Example

Item 1	PLU 1	($8.00)
	PLU 11_{linked}	($0.80)
	Quantity	1
Item 2	PLU 2	($5.00)
	PLU 12_{linked}	($0.50)
	Quantity	3
Payment	Cash	$30.00

OPERATION

1 PLU
3 ×/DATE TIME
2 PLU
3 0 00 CA/AMT TEND

RECEIPT

```
1 PLU0001              ·8.00
1 PLU0011              ·0.80
3 PLU0002             ·15.00
3 PLU0012              ·1.50
  TL                 ·25.30
  CASH               ·30.00
  CG                  ·4.70
```

- The model for the U.S./Canada, use ×/FOR DATE TIME instead of ×/DATE TIME.

Bottle returns

Bottle return key

You can use the linked bottle return key to register a bottle return. A PLU whose programmed unit price represents the contents of the bottle, can be linked with PLU whose programmed unit price represents the deposit on the bottle. In the following example, the bottle return key has been programmed to operate as a linked bottle return key.
The bottle return key must be pressed before input of each new linked bottle return.

Example

Return Item 1	PLU 1	($8.00)
	PLU 11_{linked}	($0.80)
	Quantity	1
Return Item 2	PLU 2	($5.00)
	PLU 12_{linked}	($0.50)
	Quantity	3
Payment	Cash	$2.30

OPERATION

BR 1 PLU
3 ×/DATE TIME
BR 2 PLU
CA/AMT TEND

RECEIPT

```
  BR          ..............
1 PLU0011             -0.80
  BR          ..............
3 PLU0012             -1.50
  TL                 -2.30
  CASH               -2.30
```

- The model for the U.S./Canada, use ×/FOR DATE TIME instead of ×/DATE TIME.

Arrangement key registrations

Key operations can be assigned to an <ARRANGE> (arrangement key). Then, simply pressing <ARRANGE> performs all of the key functions assigned to it.
Key operations can also be assigned to an address code. Then, when you input the address code using <ARRANGE>, all of the key functions assigned to the address code are performed.

Example 1

Arrangement 1		
Item 1	PLU 1	($8.00)
	Quantity	1
Item 2	PLU 2	($5.00)
	Quantity	1
Payment	Cash	$13.00

OPERATION

[ARR]

RECEIPT

```
1 PLU0001              ·8.00
1 PLU0002              ·5.00
  TL                 -13.00
  CASH                ·13.00
```

Example 2

Arrangement 5		
Item 1	Dept 1	$1.00
	Quantity	1
Item 2	Dept 2	$2.00
	Quantity	1
Payment	Cash	$3.00

OPERATION

[5] [ARR]

RECEIPT

```
1 DEPT01               ·1.00
1 DEPT02               ·2.00
  TL                  -3.00
  CASH                ·3.00
```

Set menu

When you register a set menu, its total amount is added to the PLU totalizer and counter. The price of each set menu item is also added to each respective PLU totalizer and counter.

Example

Set menu	PLU 35	$5.00
Item 1	PLU 1	--
Item 2	PLU 2	--
Item 3	PLU 3	--
Item 4	PLU 4	--
Payment	Cash	$5.00

OPERATION

[3] [5] [PLU]

[CA/AMT TEND]

RECEIPT

```
1 PLU0035              ·5.00
  PLU0001
  PLU0002
  PLU0003
  PLU0004
  TL                  -5.00
  CASH                ·5.00
```

Currency exchange function

When <CE> (currency exchange key) is pressed, a current subtotal including tax is converted directly into foreign currency and the result is displayed, and the subsequent finalization is handled using the foreign currency. The currency exchange function is released by finalizing a transaction, partial tender operation, receipt issuance, or by pressing <SUBTOTAL>.
Before using the currency exchange function, it is necessary to program the conversion rate.

Registering foreign currency

Full amount tender in foreign currency

* Pre-programmed exchange rate: ¥ 100 = $0.9524

Important!

Tenders in a foreign currency can be registered using the [CA/AMT/TEND] and [CHK/TEND] only.
Other finalize keys cannot be used.

OPERATION		DISPLAY	RECEIPT
1 0 00 [1]	← Enter the unit price and press the applicable department key.	10.00 (Displays in $)	1 DEPT01 ·10.00 2 DEPT02 ·20.00 TL -30.00 CE CASH ¥5,000 CASH ·47.62 CG ·17.62
2 0 00 [2]	← Enter the next unit price and press the applicable department key.	20.00 (Displays in $)	
[CE] [SUB TOTAL]	← Press [CE] and [SUB TOTAL] without entering a numeric value. This operation converts the subtotal (including tax) dollar value into yen by applying a pre-programmed exchange rate. The result is shown on the display and printed on the receipt/journal by programming.	3150 (Displays in ¥: 3,150)	
5 0 00 [CE] (5,000)	← Enter the amount tendered in yen and press [CE]. This operation converts the entered yen amount into dollars by applying a pre-programmed exchange rate. The result is shown on the display.	5000	
[CA/AMT/TEND]	← Press to finalize the transaction. Note that you do not need to reenter the dollar amount. The register automatically calculates the change amount due in dollars and shows it on the display, receipts and journal.	17.62 (Displays in $)	

Partial tender in a foreign currency

* Pre-programmed exchange rate: ¥ 100 = $0.9524

Important!

Partial tender in a foreign currency can be registered using [CA/AMT/TEND] and [CHK/TEND] only. Other finalization keys cannot be used, but the remaining tender can be finalized using any finalize key.

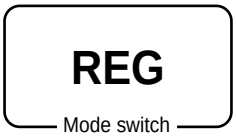
OPERATION		DISPLAY	RECEIPT
1 0 00 [1]	← Enter the unit price and press the applicable department key.	10.00 (Displays in $)	
2 0 00 [2]	← Enter the next unit price and press the applicable department key.	20.00 (Displays in $)	
[CE] [SUB TOTAL]	← Press [CE] and [SUB TOTAL] without entering a numeric value. This operation converts the subtotal (including tax) dollar value into yen by applying a pre-programmed exchange rate. The result is shown on the display and printed on the receipt/journal by programming.	3150 (Displays in ¥: 3,150)	
2 0 00 [CE] (2,000)	← Enter the partial amount tendered in yen and press [CE]. This operation converts the entered yen amount into dollars by applying a pre-programmed exchange rate. The result is shown on the display.	2000	
[CA/AMT/TEND]	← Press [CA/AMT/TEND] to specify cash tender for the yen partial tender. Note that you do not need to reenter the dollar amount. The register automatically deducts the dollar equivalent of the yen amount tendered from the total amount due and shows the amount on the display.	10.95 (Displays in $)	
[CHK/TEND]	← Press to finalize the transaction.	10.95 (Displays in $)	

```
1 DEPT01          ·10.00
1 DEPT02          ·20.00
  TL              -30.00
  CE
  CASH          ¥2,000
  CASH            ·19.05
  CHK             ·10.95
```

Food stamp function

Food stamp registration

No change due



Item 1	Dept. 1	$1.00
	Taxable	1, F/S
Item 2	Dept. 2	$2.00
	Taxable	2
Item 3	Dept. 3	$3.00
	Taxable	No → F/S
Payment	Food stamp	$2.00
	Cash	$4.14

OPERATION

1 00 1

2 00 2

F/S 3 00 3

Shifting food stamp status, press F/S key.

FS/ST

Press FS/ST, at the top of the food stamp tender.

2 00 FS/TD

CA/AMT/TEND

RECEIPT

```
1 DEPT01        T1 F     $1.00
1 DEPT02        T2       $2.00
1 DEPT03           F     $3.00
  TA1                    $1.00
  TX1                    $0.04
  TA2                    $2.00
  TX2                    $0.10
  TL                     $6.14   Subtotal
  FSST                   $4.04   Food stamp subtotal
  FSTD                   $2.00   Food stamp tendered
  CASH                   $4.14
```

Mixed food stamp/cash change

Example 1

Item 1	Dept. 1	$1.00
	Taxable	1, F/S
Item 2	Dept. 2	$2.00
	Taxable	2, F/S
Item 3	Dept. 3	$3.00
	Taxable	F/S
Payment	Food stamp	$7.00

OPERATION

1 00 1
F/S 2 00 2
F/S 3 00 3
FS/ST
7 00 FS/TD

RECEIPT

```
1 DEPT01        T1 F    $1.00
1 DEPT02        T2 F    $2.00
1 DEPT03           F    $3.00
  TA1                   $1.00
  TX1                   $0.04
  TA2                   $2.00
  TX2                   $0.10
  TL                    $6.14   Subtotal
  FSST                  $6.14   Food stamp subtotal
  FSTD                  $7.00   Food stamp tendered
  CG                    $0.86   Cash change
```

The change in food stamp transactions is automatically calculated as cash for amounts of $1.00 or less, and as food stamps for amounts greater than $1.00.

Example 2

Item	Dept. 1	$2.00
	Taxable	1, F/S
Payment	Food stamp	$5.00

OPERATION

2 00 1
FS/ST
5 00 FS/TD

RECEIPT

```
1 DEPT01        T1 F    $2.00
  TA1                   $2.00
  TX1                   $0.08
  TL                    $2.08
  FSST                  $2.08
  FSTD                  $5.00
  FSCG                  $2.00
  CG                    $0.92
```

In the above example, the total amount of change due is $2.92; $2.00 in food stamps and $0.92 in cash.

Mixed food stamp/cash change (continued…)

Example 3

Item 1	Dept. 1	$2.00
	Taxable	1, F/S
Item 2	Dept. 4	$0.50
	Taxable	No
Payment	Food stamp	$5.00

OPERATION

2 00 1
5 0 4
FS/ST
5 00 FS/TD

RECEIPT

```
1 DEPT01        T1 F     $1.00
1 DEPT04                 $0.50
  TA1                    $2.00
  TX1                    $0.08
  TL                    $2.58
  FSST                   $2.08
  FSTD                   $5.00
  FSCG                   $2.00
  CG                     $0.42
```

When food stamp items are included in a transaction, the amount of change due in cash is applied as a cash amount tendered for cash (nonfood stamp) items. In this example, the $0.50 purchased (department 4) is automatically deducted from the $0.92 cash due in change from the food stamp purchase (department 4).

Example 4

Item 1	Dept. 1	$1.00
	Taxable	1, F/S
Item 2	Dept. 2	$2.00
	Taxable	2
Item 3	Dept. 3	$3.00
	Taxable	No
Payment	Food stamp	$5.00
	Cash	$4.14

OPERATION

1 00 1
2 00 2
3 00 3
FS/ST
5 00 FS/TD
CA/AMT/TEND

RECEIPT

```
1 DEPT01        T1 F     $1.00
1 DEPT02        T2       $2.00
1 DEPT03                 $3.00
  TA1                    $1.00
  TX1                    $0.04
  TA2                    $2.00
  TX2                    $0.10
  TL                    $6.14
  FSST                   $1.04
  FSTD                   $5.00
  FSCG                   $3.00
  CASH                   $4.14
```

The following calculation is performed internally to apply the cash change due on the food stamp transaction to the balance due of the cash transaction.

	Food stamp transaction	**Cash transaction**
Price items:	$1.00	$5.00
Tax:	$0.04	$0.10
Total due:	$1.04	$5.10
Amount tendered:	$5.00 (food stamp)	$4.14 (cash), $0.96 (change from food stamp)
Amount due:	$1.04	
Change amount due:	$3.00 (food stamp), $0.96 (cash)	
Total:		$5.10

Food stamp registration (Illinois rule)

No change due

Example 1

Item 1	Dept. 1	$1.00
	Taxable	1, F/S
Item 2	Dept. 1	$2.00
	Taxable	1, F/S
Item 3	Dept. 4	$3.00
	Taxable	F/S
Payment	Food stamp	$6.00

OPERATION

1 00 1
2 00 1
3 00 4
FS/ST

6 00 FS/TD

RECEIPT

```
1 DEPT01        T1 F    $1.00
1 DEPT01        T1 F    $2.00
1 DEPT04           F    $3.00
  TL                   $6.00
  FSST                 $6.00
  FSTD                 $6.00
```

Example 2

Item 1	Dept. 1	$2.00
	Taxable	1, F/S
Item 2	Dept. 1	$3.00
	Taxable	1, F/S
Item 3	Dept. 4	$4.00
	Taxable	1, F/S
Payment	Food stamp	$5.00
	Cash	$4.16

OPERATION

2 00 1
3 00 1
4 00 4
FS/ST

5 00 FS/TD
CA/AMT/TEND

RECEIPT

```
1 DEPT01        T1 F    $2.00
1 DEPT01        T1 F    $3.00
1 DEPT04        T1 F    $4.00
  FSST                  $9.00
  FSTD                  $5.00
  TA1                   $4.00
  TX1                   $0.16
  CASH                  $4.16
```

No change due (continued…)

Example 3

Item 1	Dept. 1	$2.00
	Taxable	1, F/S
Item 2	Dept. 2	$3.00
	Taxable	2, F/S
Payment	Food stamp	$1.00
	Cash	$4.19

OPERATION

2 00 [1]
3 00 [2]
[FS/ST]
1 00 [FS/TD]
[CA/AMT/TEND]

RECEIPT

```
1 DEPT01        T1 F     $2.00
1 DEPT02        T2 F     $3.00
  FSST                   $5.00
  FSTD                   $1.00
  TA1                    $1.00
  TX1                    $0.04
  TA2                    $3.00
  TX2                    $0.15
  CASH                   $4.19
```

If this case, the result of the taxable 1 amount is $1.00 (2.00 - 1.00), the taxable 2 amount is $3.00.

Example 4

Item 1	Dept. 1	$1.00
	Taxable	1, F/S
Item 2	Dept. 2	$5.00
	Taxable	2, F/S
Payment	Food stamp	$4.00
	Cash	$2.10

OPERATION

1 00 [1]
5 00 [2]
[FS/ST]
4 00 [FS/TD]
[CA/AMT/TEND]

RECEIPT

```
1 DEPT01        T1 F     $1.00
1 DEPT02        T2 F     $5.00
  FSST                   $6.00
  FSTD                   $4.00
  TA2                    $2.00
  TX2                    $0.10
  CASH                   $2.10
```

In this case, the result of the taxable 1 amount is $0.00 (1.00 - 1.00),
the taxable 2 amount is $2.00 (5.00 - (3.00 - 1.00)).

Mixed food stamp/cash change

Example 1

Item 1	Dept. 1	$1.50
	Taxable	1, F/S
Item 2	Dept. 1	$2.00
	Taxable	1, F/S
Item 3	Dept. 4	$3.00
	Taxable	F/S
Payment	Food stamp	$10.00

OPERATION

1 5 0 [1]
2 00 [1]
3 00 [4]
[FS/ST]

1 0 00 [FS/TD]

RECEIPT

```
1 DEPTO1        T1 F    $1.50
1 DEPTO1        T1 F    $2.00
1 DEPTO4           F    $3.00
  TL                   $6.50
  FSST                 $6.50
  FSTD                $10.00
  FSCG                 $3.00
  CG                   $0.50
```

The change in food stamp transactions is automatically calculated as cash for amount of $1.00 or less, and as food stamps for amounts greater than $1.00. In the above example, the total amount of change due is $3.50 ($3.00 in food stamps and $0.50 in cash).

Example 2

Item	Dept. 1	$2.00
	Taxable	1, F/S
Payment	Food stamp	$5.00

OPERATION

2 00 [1]
[FS/ST]

5 00 [FS/TD]

RECEIPT

```
1 DEPTO1        T1 F    $2.00
  TL                   $2.00
  FSST                 $2.00
  FSTD                 $5.00
  FSCG                 $3.00
```

Mixed food stamp/cash change (continued…)

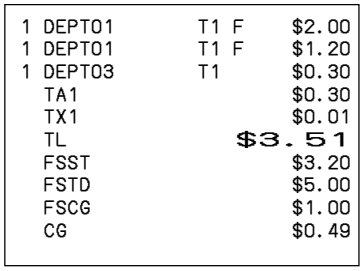
Example 3

Item 1	Dept. 1	$2.00
	Taxable	1, F/S
Item 2	Dept. 1	$1.20
	Taxable	1, F/S
Item 3	Dept. 3	$0.30
	Taxable	1
Payment	Food stamp	$5.00

OPERATION

2 00 1
1 2 0 1
3 0 3
FS/ST
5 00 FS/TD

RECEIPT



When food stamp items are included in a transaction, the amount of change due in cash is applied as a cash amount tendered for cash (nonfood stamp) items. In this example, the $0.30 purchase is automatically deducted from the $0.80 cash due in change from the food stamp purchase.

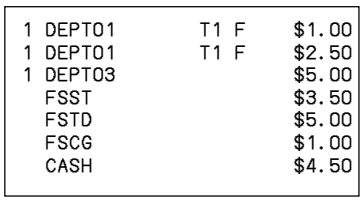
Example 4

Item 1	Dept. 1	$1.00
	Taxable	1, F/S
Item 2	Dept. 1	$2.50
	Taxable	1, F/S
Item 3	Dept. 3	$5.00
	Taxable	No
Payment	Food stamp	$5.00
	Cash	$4.50

OPERATION

1 00 1
2 5 0 1
5 00 3
FS/ST
5 00 FS/TD
CA/AMT/TEND

RECEIPT



The following calculation is performed internally to apply the cash change due on the food stamp transaction to the balance due of the cash transaction.

	Food stamp transaction	**Cash transaction**
Price items:	$3.50	$5.00
Tax:	$0.00	$0.00
Total due:	$3.50	$5.00
Amount tendered:	$5.00 (food stamp)	$4.50 (cash), $0.50 (change from food stamp)
Amount due:	$3.50	
Change amount due:	$1.00 (food stamp), $0.50 (cash)	
Total:		$5.00

Electronic benefits transfer

In addition to standard food stamp tender finalizations, this model also allows finalization for tenders electronic benefits transfer (EBT) card.
EBT tenders can be accepted for New Jersey rule or Illinois rule food stamp tenders, as well as for food stamp tenders that do not follow these rules.

About mixed EBT card tenders

When the register is programmed to prohibit an EBT amount tendered that exceeds the food stamp subtotal, nonfood stamp items cannot be paid for using an EBT card. In this case, the following applies:

- ST – (EBT/TEND – FS/ST) = Balance due (the remaining balance due must be finalized using another finalize key.)

When the register is programmed to allow an EBT amount tendered that exceeds the food stamp subtotal, nonfood stamp items can be paid for using an EBT card. In this case, there are two possible situations:

- ST > EBT/TEND
  ST – (EBT/TEND – FS/ST) = Balance due (the remaining balance due must be finalized using another finalize key.)
- EBT/TEND > or = ST
  EBT/TEND – ST = cash change

No change due

Example 1

Item 1	Dept. 1	$1.00
	Taxable	1, F/S
Item 2	Dept. 2	$2.00
	Taxable	2, F/S
Item 3	Dept. 3	$3.00
	Taxable	F/S
Payment	EBT	$6.00

OPERATION

1 00 1
2 00 2
3 00 3
FS/ST
6 00 EBT

RECEIPT

```
1 DEPT01        T1 F    $1.00
1 DEPT02        T2 F    $2.00
1 DEPT03           F    $2.00
  TL                   $6.00
  FSST                 $6.00
  EBTTD                $6.00
```

Example 2

Item 1	Dept. 1	$1.00
	Taxable	1, F/S
Item 2	Dept. 2	$2.00
	Taxable	1, F/S
Item 3	Dept. 3	$3.00
	Taxable	1
Payment	EBT	$5.00
	Cash	$1.12

OPERATION

1 00 [1]
2 00 [2]
3 00 [3]
[FS/ST]

5 00 [EBT]
[CA/AMT TEND]

RECEIPT

```
1 DEPT01        T1 F    $1.00
1 DEPT02        T1 F    $2.00
1 DEPT03        T1      $3.00
  FSST                  $3.00
  EBTTD                 $5.00
  TA1                   $3.00
  TX1                   $0.12
  CASH                  $1.12
```

Change due

Item 1	Dept. 1	$1.00
	Taxable	1, F/S
Item 2	Dept. 2	$1.20
	Taxable	1, F/S
Item 3	Dept. 3	$0.30
	Taxable	1
Payment	EBT	$5.00

OPERATION

1 00 [1]
1 2 0 [2]
3 0 [3]
[FS/ST]

5 00 [EBT]

RECEIPT

```
1 DEPT01        T1 F    $1.00
1 DEPT02        T1 F    $1.20
1 DEPT03        T1      $0.30
  TA1                   $0.30
  TX1                   $0.01
  TL                  $2.51
  FSST                  $2.20
  EBTTD                 $5.00
  CG                    $2.49
```

Tips

Example

Item 1	Unit price	$3.00
	Dept.	1
Item 2	Unit price	$5.00
	Dept.	2
Tip	Amount	$0.80
Payment	Cash	$10.00

OPERATION

3 00 [1]
5 00 [2]
[SUB TOTAL]
8 0 [TIP]
1 0 00 [CA/AMT TEND]

RECEIPT

```
1 DEPT01              ·3.00
1 DEPT02              ·5.00
  TIP                 ·0.80
  TL                $8.80
  CASH                $10.00
  CG                  $1.20
```

Inputting the number of customers

Example 1

Item 1	Unit price	$15.00
	Dept.	1
Item 2	Unit price	$5.00
	Dept.	2
Customer	Number	2
Payment	Cash	$20.00

OPERATION

2 CST
1 5 00 1
5 00 2
SUB TOTAL
CA/AMT TEND

RECEIPT

```
CT                    2
1 DEPT01          ·15.00
1 DEPT02           ·5.00
TL                -20.00
CASH              ·20.00
```

Example 2

You can only use the following operation to re-input the number of customers when <CUSTOMER> (customer number key) is preset to allow re-input. When programming prohibits re-input of the number of customers, this operation causes an error.

OPERATION

3 CST
1 5 00 1
5 00 2
2 CST
SUB TOTAL
2 0 00 CA/AMT TEND

RECEIPT

```
CT                    3
1 DEPT01          ·15.00
1 DEPT02           ·5.00
CT                    2
TL                -20.00
CASH              ·20.00
```

You can re-input the number of customers either immediately after the initial input or during later registration.

Example 3

You can use the following operation to add customers to an original number of customers input (when addition to the number of the customer is allowed).

OPERATION

3 CST
1 5 00 1
5 00 2
2 CST
SUB TOTAL
2 0 00 CA/AMT TEND

RECEIPT

```
CT                    3
1 DEPT01          ·15.00
1 DEPT02           ·5.00
CT                    5
TL                -20.00
CASH              ·20.00
```

Text recall

This procedure is used to recall text by inputting the address where the text is stored. The recalled text is printed on the receipt and journal.

Example

Item 1	Unit price	$46.00
	Dept.	1
Item 2	Unit price	$10.00
	Dept.	2
Payment	Cash	$56.00
Text 1	MEDIUM SIZE	
Text 2	SMALL SIZE	

OPERATION

4 6 00 1
1 TEXT RECALL
1 0 00 2
2 TEXT RECALL
SUB TOTAL
CA/AMT TEND

RECEIPT

```
   CT                    3
 1 DEPT01            ·46.00
MEDIUM SIZE
 1 DEPT02            ·10.00
SMALL SIZE
   TL                -56.00
   CASH              ·56.00
```

Temporarily releasing compulsion

<OPEN 2> (open 2 key) can be programmed to release specific compulsion.

Example 1

Item	Unit price	$10.00
	Dept.	1
Payment	Check	$10.00
Validation compulsory		

OPERATION

1 0 00 1
1 0 00 CHK/TEND

2 00 2
Validation compulsory

OPEN 2 — Validation compulsory is temporarily released.

RECEIPT

```
 1 DEPT01            ·10.00
   TL                -10.00
   CHECK             ·10.00
```

Example 2

Input customer No. compulsory		
Item	Unit price	$10.00
	Dept.	1
Payment	Check	$10.00

OPERATION

1 0 00 1
Input customer No. compulsory

OPEN 2
Compulsory is temporarily released.

1 0 00 1
1 0 00 CHK/TEND

RECEIPT

```
 1 DEPT01            ·10.00
   TL                -10.00
   CHECK             ·10.00
```

Printing slip

To perform batch printing on the slip printer, you must first use the memory allocation operation (see program 5 mode in the dealer's manual) to reserve slip buffer memory. The capacity of the slip buffer memory is determined by the number of units of slip buffer memory reserved by the memory allocation operation.
The register can be programmed to check the status of the registration buffer memory whenever slip batch printing is performed, and sound an alarm when the buffer memory is almost full. The alarm sounds when there are 12 lines or less remaining, and once it starts to sound, the only operation you can perform is the cancel operation or operations using one of the following keys.

- <CA/AMT TEND> (cash/amount tendered key) operation
- <CH> (charge key) operation
- <CHK/TEND> (check tendered key) operation
- <DEPOSIT> (deposit key) operation
- <NEW BALANCE> (new balance key) operation
- <SUBTOTAL> (subtotal key) operation

You must perform one of above operations when the registration buffer alarm sounds. Any other operations results in an error.

Printing slips

The cash register can be connected to the optional SP-1300 slip printer, which features an automatic feed function and automatic back feed function.

• Automatic feed function

This function makes it possible to program the number of line feeds that should be inserted from the normal print start position before starting slip printing of a new slip. Even if line feeds are programmed for this function, they are not inserted for validation printing, check endorsement printing, and check printing performed using the slip printer. Note also that line feeds are not inserted automatically at the beginning of a second slip when the transaction requires printing that extends from one slip to another.

• Automatic back feed function

This function performs automatic back feed following slip printing, validation printing, and endorsement printing on the slip printer. The slip paper is released once the back feed operation is complete.

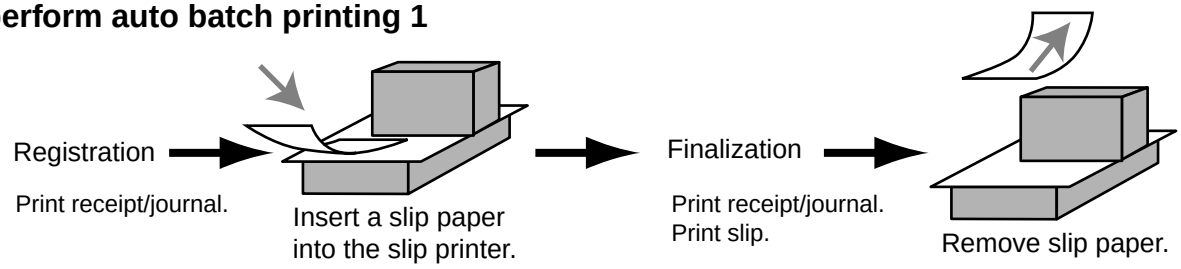
• Manual feed function

<SLIP FEED/RELEASE> (slip feed/release key: assigned to the register's keyboard using the program 4 mode) can be used for manual feed of the slip paper. You perform manual feed by inputting a value for the number of lines (up to two digits in the range of 1 to 99) and then press <SLIP FEED/RELEASE>.

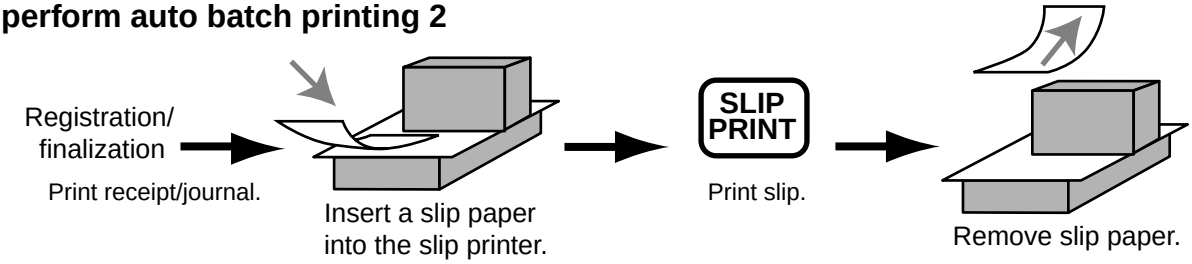
• Manual back feed function

<SLIP BACK FEED/RELEASE> (slip back feed/release key: assigned to the register's keyboard using the program 4 mode) can be used for manual back feed of the slip paper. Manual back feed can be performed by inputting a value for the number of lines (up to two digits in the range of 1 to 99) and then press <SLIP BACK FEED/RELEASE>.
You can print slips using automatic or manual batch printing. The slip print operation can be performed in REG1, REG2, and RF modes only.
Finalizing a registration without inserting a slip paper into the slip printer when the register is programmed as "slip paper insertion into slip printer compulsory before finalizing registration" produces an error.

To perform auto batch printing 1



To perform auto batch printing 2



About the maximum number of slip lines

You can program the maximum number of lines that can be printed on a slip. Once you do, any attempt to exceed the preset maximum results in an error. When such an error occurs, press <C>, change slip paper and press <SLIP PRINT> to restart printing.

Check tracking systems

Check tracking system

With the check tracking system, the amount, check number, number of slip print lines, store number, date/time and registration detail data are stored in two files (check tracking index file and check tracking detail file).

- Check tracking detail file and index file are cleared by the following timing:

1. The check is cleared after printing finalized data on slip or guest check receipts, or the check is also cleared when the new or old check operation is made.
2. The check is cleared after printing finalized data on slip or guest check receipt, or check is also cleared when the same finalized check number is assigned in new check operation.
   You can select one of these options by programming.

- Auto new balance function
  The register can be programmed so that whenever a clerk (by clerk key) signs off while a check is open, a <NEW BALANCE> operation is automatically performed to temporarily finalize the open check.
- You can specify a range of checks that can be opened by each clerk. Once you do, any attempt by a clerk to open a check using a number that is not within his specified range results in an error.
- Either of the following two operations can be used to correct input of a wrong check number.
  <NEW CHECK>
  Re-input the correct check number, or cancel the original check number, issue a receipt, and then re-input the correct check number.
  <OLD CHECK>, <NEW/OLD>
  Temporary finalize the original check number, issue a receipt, and then re-input the correct check number.

Opening a check

Example

OPERATION **RECEIPT**

Check#		1234
Table#		33
Item 1	Dept 1	$10.00
	Quantity	2
Item 2	Dept 2	$20.00
	Quantity	2
Item 3	Dept 3	$30.00
	Quantity	1

1 2 3 4 NEW CHECK
3 3 TABLE #
1 0 00 1
1
2 0 00 2
2
3 0 00 3
Insert slip
NB
Remove slip

```
CHECK No. 1234

   TBL#                    000033
 1 DEPT01                 ·10.00
 1 DEPT01                 ·10.00
 1 DEPT02                 ·20.00
 1 DEPT02                 ·20.00
 1 DEPT03                 ·30.00
   +                       ·0.50   New balance fee
   SRVC TL               -90.50
```

Press <NEW BALANCE> to temporarily close the transaction. If you want to finalize a check immediately, use <CASH>, <CHARGE>, <CREDIT> or <CHECK>.

Adding to a check

Example

OPERATION **RECEIPT**

Check#		1234
Table#		33
Item 1	Dept 1	$30.00
	Quantity	1
Item 2	Dept 2	$10.00
	Quantity	1

1 2 3 4 OLD CHECK
3 0 00 1
1 0 00 2
Insert slip
NB
Remove slip

```
TABLE No.000033          CT  1
CHECK No. 1234

   ST                     ·90.50
 1 DEPT01                 ·30.00
 1 DEPT02                 ·10.00
   +                       ·0.50
   SRVC TL              -131.00
```

- The table number is stored in the check tracking index memory so its input is not required in this operation even if table number input is preset as compulsory. Table number input after inputting the check number may be performed, however, without generating an error.
- Once a check is opened under a number in a certain mode (REG1 or REG2), the same mode must be used to make additions to the check.

Issuing a guest receipt

The following operation can be used to print out the balance of a temporarily finalized check.

Example

OPERATION	RECEIPT
1 2 3 4 GUEST RECEIPT Input the number of check you want.	TABLE No.000033 CT 1 CHECK No. 1234 1 DEPT01 ·10.00 1 DEPT01 ·10.00 1 DEPT02 ·20.00 1 DEPT02 ·20.00 1 DEPT03 ·30.00 + ·0.50 1 DEPT01 ·30.00 1 DEPT02 ·10.00 + ·0.50 SRVC TL -131.00

Closing a check memory

Example

OPERATION	RECEIPT
1 2 3 4 OLD CHECK 1 5 0 00 CA/AMT/TEND	TABLE No.000033 CT 1 CHECK No. 1234 ST ·131.00 TL -131.00 CASH ·150.00 CG ·19.00

SLIP

```
REG          03-04-2000       17:05
C01               MC#01        000150
TABLE No.000033                 CT   1
CHECK No. 1234

      1 DEPT01                 *10.00
      1 DEPT01                 *10.00
      1 DEPT02                 *20.00
      1 DEPT02                 *20.00
      1 DEPT03                 *30.00
        +                       *0.50
#12     SRVC TL               *90.50
      1 DEPT01                 *30.00
      1 DEPT02                 *10.00
        +                       *0.50
#16     SRVC TL              *131.00
        TL                   *131.00
        CASH                 *150.00
        CG                    *19.00
```

New/old check key operation

Example 1

When a check number is input and <NEW/OLD> is pressed, the key works as a new check key function if there is no matching check number in the check tracking memory.

OPERATION **RECEIPT**

3 4 5 6 NEW/OLD

Input a check number and press <NEW/OLD>.

1 0 00 1

2 0 00 2

NB

```
CHECK No. 3456

 1 DEPT01                 ·10.00
 1 DEPT02                 ·20.00
   +                       ·0.50
   SRVC TL              ·30.50
```

Example 2

When a check number is input and <NEW/OLD> is pressed, the key works as an old check key if there is matching check number in the check tracking memory.

OPERATION **RECEIPT**

3 4 5 6 NEW/OLD

3 1 00 CA/AMT TEND

```
CHECK No. 3456

   ST                       ·30.50
   TL                    ·30.50
   CASH                     ·31.00
   CG                        ·0.50
```

Add check

This operation lets you combine the amounts of more than one check into a single check.

Example

Registration for check number 1234

OPERATION **RECEIPT**

Original check

Check#		1234
Item 1	Dept 1	$10.00
	Quantity	1
Item 2	Dept 2	$20.00
	Quantity	1

1 2 3 4 NEW CHECK
3 3 TABLE #
1 0 00 1
2 0 00 2
NB

```
CHECK No. 1234

   TBL#                  000033
 1 DEPT01                ·10.00
 1 DEPT02                ·20.00
   +                     ·0.50
   SRVC TL               -30.50
```

Registration for check number 3456

OPERATION **RECEIPT**

Added check

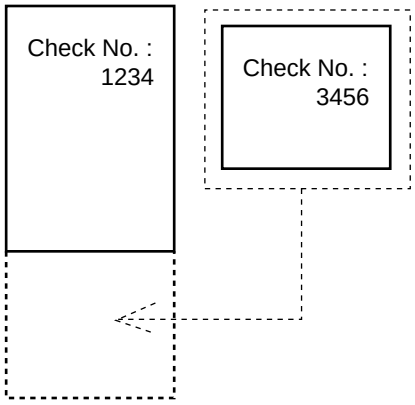
Check#		3456
Item	Dept 1	$30.00
	Quantity	1

3 4 5 6 NEW CHECK
3 0 00 1
NB

```
CHECK No.3456

 1 DEPT01                ·30.00
   +                     ·0.50
   SRVC TL               -30.50
```

Registration for check number 1234

OPERATION **RECEIPT**



1 2 3 4 OLD CHECK
3 4 5 6 ADD CHECK
NB

```
TABLE No.000033          CT  1
CHECK No. 1234

   ST                    ·30.50
   ADD CHK                 3456
   ST                    ·30.50
   +                     ·0.50
   SRVC TL               -61.50
```

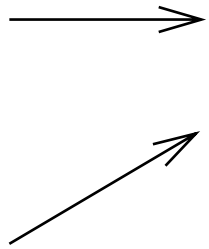
Separate check

This operation makes it possible to split a single check into separate checks.

Example

Original check

Check#		1234
Item 1	Dept 1	$10.00
	Quantity	1
Item 2	Dept 2	$20.00
	Quantity	1
Item 3	Dept 3	$30.00
	Quantity	1
Item 4	Dept 4	$40.00
	Quantity	1



Separated check

Check#		3456
Item 1	Dept 1	$10.00
	Quantity	1
Item 2	Dept 3	$30.00
	Quantity	1
Payment	Cash	$40.00

OPERATION **RECEIPT**

3 4 5 6 NEW CHECK

This input of a temporary check number can be skipped.

1 2 3 4 SEPARATE CHECK

Input the original check number by <SEP CHK>.
Display shows the 1st item which will be separated.

SEPARATE CHECK

After <SEP CHK>, this item is separated.

REVIEW

Display shows the 3rd item which will be separated.

SEPARATE CHECK

NB

4 0 00 CA/AMT TEND

```
CHECK No. 3456

   SEP CHK              1234
 1 DEPT01             ·10.00
 1 DEPT03             ·30.00
   TL                 -40.00
   CASH               ·40.00
   CG                 ·0.00
```

Clerk transfer

This operation lets you change the clerk who is in charge of a specific open check number.

Example

To change the clerk for check number 1234 from clerk 1 to clerk number 4.

OPERATION **RECEIPT**

[CLK#]

Press this key if you do not want the clerk No. or clerk secret No. to appear on the display.

[1] [CLK TRANS]

Input the clerk No. of the clerk who is currently in charge of check No. 1234 (target check).

[4] [OPE #]

Input the clerk No. of the clerk who will take over check No. 1234 (target check).

[1] [2] [3] [4] [NEW CHECK]

Input the target check No. that is transferred from clerk 1 to 4.
You can use either <OLD CHK>, <NEW/OLD>.
Note that if you skip this step, all check Nos currently assigned to clerk 1 are transferred to clerk 4.

[CLK TRANS]

```
CLK TRANS
C01                    C04
 1234                 ·60.50
-----------------------------
 TL                   ·60.50
```

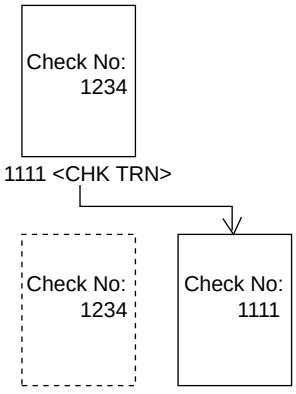
Check No./NB amount

Table transfer

With this operation, you can change the number of a check.

Example 1

To change the check number 1234 to 1111 (which is newly opened).



OPERATION **RECEIPT**

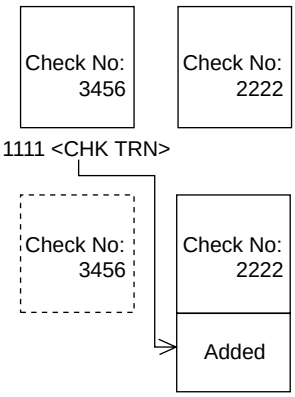
[1] [2] [3] [4] [NEW CHECK]
[1] [0] [00] [1]
[1] [1] [1] [1] [CHECK TRANS]

Input the new check No.

```
CHECK No. 1234

 1 DEPT01              ·10.00
   ST                  ·10.00
   TBL TRANS             1111
   SRVC TL            -10.00
```

Example 2

To change the check number 3456 to 2222 (which has already been opened).



OPERATION **RECEIPT**

[3] [4] [5] [6] [OLD CHECK]
[1] [0] [00] [1]
[2] [2] [2] [2] [CHECK TRANS]

```
CHECK No. 3456

   ST                  ·10.00
 1 DEPT01              ·10.00
   TBL TRANS             2222
   SRVC TL            -30.00
```

Price reductions (red price)

You can use the reduced price function to change a price; generally to an amount that is less than the normal price. You can program the register so that it prints the normal price, and the difference between the two prices on the receipt, while on journal, these items are always printed.
The following functions are able to work with red price.

- Department and PLU
- Quantity extension (Preset price is required for both department and PLU.)
- Amount limitation of item program (It effects to new price.)
  Note that you cannot use red price with the following types of item.
  - Department and PLUs programmed with negative unit prices
  - Set menus and link PLUs
  - Second unit prices
  - Multiplication operations that use the format: Amount × Quantity

Example 1

Item	Dept 1	$6.00
	Red price	$4.00
Payment	Cash	$4.00

OPERATION

4 00 RED PRICE
Input a reduced price.

6 00 1
CA/AMT TEND

RECEIPT

```
  RED              ·6.00   Old price
  RED PRC          -2.00   Reduced price
1 DEPT01           *4.00   New price (Difference
  TL               -4.00   between two prices)
  CASH              4.00
```

Example 2

Item	PLU 1	$4.00
	Red price	$2.00
Payment	Cash	$6.00

OPERATION

3 ×/DATE TIME
2 00 RED PRICE
Input a reduced price.

1 PLU
CA/AMT TEND

RECEIPT

```
  RED              ·12.00
  RED PRC          -6.00
3 PLU0001          *6.00
  TL               -6.00
  CASH              6.00
```

- The model for the U.S./Canada, use ×/FOR/DATE TIME instead of ×/DATE TIME.

Condiment/preparation PLUs

You can force entering condiment or preparation PLU after the main PLU registration by programming.

Example (condiment PLU)

Main item	PLU 1	$10.00
Condiment	PLU 11	$0.10
	PLU 12	$0.20
	PLU 13	$0.30
Payment	Cash	$10.60

OPERATION

1 PLU

Registering main PLU.
No condiment registration occurs an error condition.

1 1 PLU

1 2 PLU

1 3 PLU

CA/AMT TEND

RECEIPT

```
1 PLU0001          ·10.00
  PLU0011           ·0.10
  PLU0012           ·0.20
  PLU0013           ·0.30
  TL               -10.60
  CASH              ·10.60
```

Example (preparation PLU)

Main item	PLU 20	$20.00
Preparation	PLU 21	$0.00
	PLU 22	$0.00
	PLU 23	$0.00
Payment	Cash	$20.00

OPERATION

2 0 PLU

Registering main PLU.

2 1 PLU

2 2 PLU

2 3 PLU

CA/AMT TEND

RECEIPT

```
1 PLU0020          ·20.00
  PLU0021
  PLU0022
  PLU0023
  TL               -20.00
  CASH              ·20.00
```

VAT breakdown printing

You can force printing of the VAT breakdown at the finalize stage, regardless of whether the cash register is programmed to print or skip printing of the VAT breakdown.
Every time you want to have VAT breakdown, press <VAT>.

Example

Item 1	Dept 1	$1.00
	Taxable	1
Item 2	PLU 1	($2.00)
	Taxable	2
Payment	Cash	$3.00

OPERATION

1 00 [1]
1 [PLU]
[VAT]
[CA/AMT TEND]

RECEIPT

```
1 DEPT01        T1      ·1.00
1 PLU0001       T2      ·2.00
  TA1                   ·0.90
  TX1                   ·0.10
  TA2                   ·1.90
  TX2                   ·0.10
  TL                  -3.00
  CASH                  ·3.00
```

Deposit registrations

Use the following procedures to register deposits.

Deposit from customer

Deposit	Cash	$50.00

OPERATION

5 0 00 [DEPOSIT −]
[CA/AMT TEND]

RECEIPT

```
  DEP0-                 ·50.00
  TL                  -50.00
  CASH                  ·50.00
```

Deposit from customer during sales transaction

Items	Dept 1	$10.00
	Dept 2	$20.00
Deposit		$20.00
Payment	Cash	$10.00

OPERATION

1 0 00 [1]
2 0 00 [2]
2 0 00 [DEPOSIT +]
[CA/AMT TEND]

RECEIPT

```
1 DEPT01              ·10.00
1 DEPT02              ·20.00
  DEP0+               -20.00
  TL                  -10.00
  CASH                  ·10.00
```

Bill copy

Example 1

To issue a copy of a bill dated February 1, 2004 in the amount of $35.00 cash.

OPERATION **RECEIPT**

0 2 0 1 2 0 0 4 BILL COPY

Enter date by date order.

3 5 00 CA/AMT TEND

```
  * BILL TOP MESSAGE 1 *
  * BILL TOP MESSAGE 2 *
  * BILL TOP MESSAGE 3 *
  * BILL TOP MESSAGE 4 *

REG  02-01-2004(SUN)
C01          MC#01
  * BILL COPY MESSAGE 1 *
  * BILL COPY MESSAGE 2 *
  * BILL COPY MESSAGE 3 *
  * BILL COPY MESSAGE 4 *
   TA1                 ·35.00
   TX1                  ·3.50
   TL              ·38.50
   CASH                ·38.50

  * BILL BTM MESSAGE 1 *
  * BILL BTM MESSAGE 2 *
  * BILL BTM MESSAGE 3 *
  * BILL BTM MESSAGE 4 *
```

— Bill top message *1

— Bill copy message *1

— Add-on tax amount

— Bill bottom message *1

*1 Programmable option

Note that you can finalize this operation using the cash amount tendered key.

Example 2

To issue a copy of a bill dated February 1, 2004 in the amount of Euro 30.00 cash (sub-currency).

OPERATION **RECEIPT**

0 2 0 1 2 0 0 4 BILL COPY

PD

3 0 00 CA/AMT TEND

```
  * BILL TOP MESSAGE 1 *
  * BILL TOP MESSAGE 2 *
  * BILL TOP MESSAGE 3 *
  * BILL TOP MESSAGE 4 *

REG  02-01-2004(SUN)
C01          MC#01
  * BILL COPY MESSAGE 1 *
  * BILL COPY MESSAGE 2 *
  * BILL COPY MESSAGE 3 *
  * BILL COPY MESSAGE 4 *
   TA1                 27.28
   TX1                  2.72
   TL              30.00
   CASH                30.00

  * BILL BTM MESSAGE 1 *
  * BILL BTM MESSAGE 2 *
  * BILL BTM MESSAGE 3 *
  * BILL BTM MESSAGE 4 *
```

— Bill top message *1

— Bill copy message *1

— Add-in tax amount

— Bill bottom message *1

*1 Programmable option

Actual stock quantity inquiry

With this operation, you can recall the actual stock quantity for PLUs and show it on the display of the cash register.

Example

To check the actual stock quantity of PLU 32 and flat-PLU 001.

OPERATION	DISPLAY (7segment)
STOCK INQ	
3 2 PLU	123.45
STOCK INQ	
001	1

Actual stock quantity are appeared.

Unit price inquiry

Use this operation to recall the unit prices of departments, PLUs, second unit price of PLUs, or scanning PLUs. The unit prices appear on the display of the cash register when recalled.

Example

To check the unit price of PLU 32, flat-PLU 001, department 1.

OPERATION	DISPLAY (7 segment)
PRICE INQ	
3 2 PLU	1.45
PRICE INQ	
001	3.00
PRICE INQ	
1	14.00

Previous item void using <REVIEW>

You can correct the previously registered item(s) in the same transaction by using <REVIEW> (review key).

Example

Item 1	Dept. 1	$2.35
	Quantity	1
Item 2	Dept. 2	$2.00
	Quantity	1
Item 3	PLU 1	($1.20)$_{preset}$
	Quantity	1
Corrected Item 1	Dept. 1	$2.35
	Quantity	1
Payment	Cash	$3.20

OPERATION

2 3 5 1

2 00 2

1 PLU

REVIEW

Review the item to be corrected.

VOID

Press <VOID> to correct.

CA/AMT TEND

DISPLAY

```
 1 ST        ·2.35
DEPT01
                2.35
```

```
 2 ST        ·4.35
DEPT02
                2.00
```

```
 3 ST        ·5.55
PLU001
                1.20
```

```
  ** REVIEW  **
DEPT01        1 QT
                2.35
```

```
 2 ST        ·3.20
DEPT01
               -2.35
```

```
CASH
                3.20
```

RECEIPT

```
1 DEPT01                ·2.35  *1
1 DEPT02                ·2.00
1 PLU0001               ·1.20
  VOID          ..............  *1
1 DEPT01                -2.35  *1
  TL                  ·3.20
  CASH                ·3.20
```

*1 These items can be skipped by program.

Scanning PLU

Product barcodes are read by scanning with hand-held scanner, and are filed in the scanning PLU file together with the unit price, item descriptor, programming status, link department, totalizer and counter.
When a barcode is entered by scanning, or from the keyboard by using <OBR> (OBR key) or <One touch NLU> (One touch NLU key) and it has been filed in the scanning PLU file, the preset unit price is accumulated to its own totalizer and other appropriate totalizers.
Scanning PLUs include UPC-A/UPC-E/EAN-13/EAN-8, source marking, in-store marking code.

Item registration

By scanner/code input/one touch NLU key

Item 1 (scan)	Scan-PLU	($2.35)
	PLU code	49012347
Item 2 (code)	Scan-PLU	($2.00)
	PLU code	123456
Item 3 (OTN)	Scan-PLU	($1.23)
	PLU code	49012354
Payment	Cash	$5.58

OPERATION

"Scanning"

1 2 3
4 5 6 OBR
Scanning-PLU code and OBR key

NLU
One touch NLU

CA/AMT TEND

RECEIPT

```
1 Scan-PLU01          ·2.34
  #49012347
1 Scan-PLU02          ·2.00
  #123456
1 Scan-PLU03          ·1.23
  #49012354
  TL                 -5.58
  CASH                ·5.58
```

*1 Scanning PLU code

*1 Programmable option

Not found PLU

When a scanning PLU item which does not exist in the scanning PLU file is registered, an error occurs (Item not found error). In this case, you can input this item to the ECR and register it at the same time. After this operation, "Item not found error" does not occur during the next registration.

Item 1 (scan)	Scan-PLU	($1.00)
	PLU code	49012361
	Dept.	1
Item 2 (scan)	Scan-PLU	($1.00)
	PLU code	49012361
Payment	Cash	$2.00

OPERATION

"Scanning"
Does not exist in the scanning PLU file

"Not Found Error"

1 0 0 1
Input price and press the linked department key.

"Scanning"
Register normally.

CA/AMT TEND

RECEIPT

```
2 DEPT01              ·2.00
  #49012361
  TL                  -2.00
  CASH                ·2.00
```

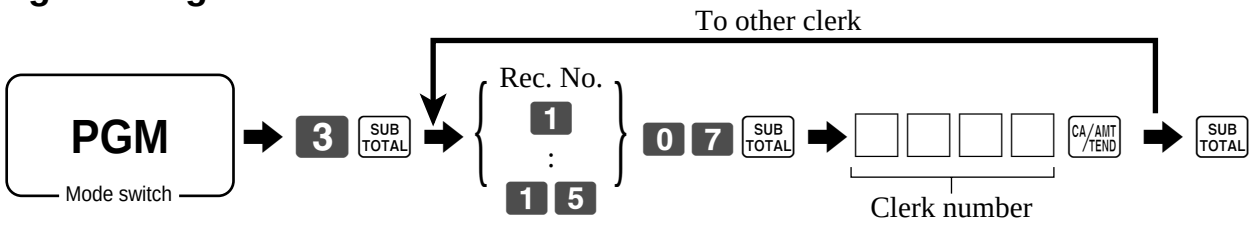
Link department descriptor/amount

After daily operation, a "Not found PLU maintenance" is necessary to merge not found PLU(s) into the scanning PLU file. Please consult with your dealer in detail.

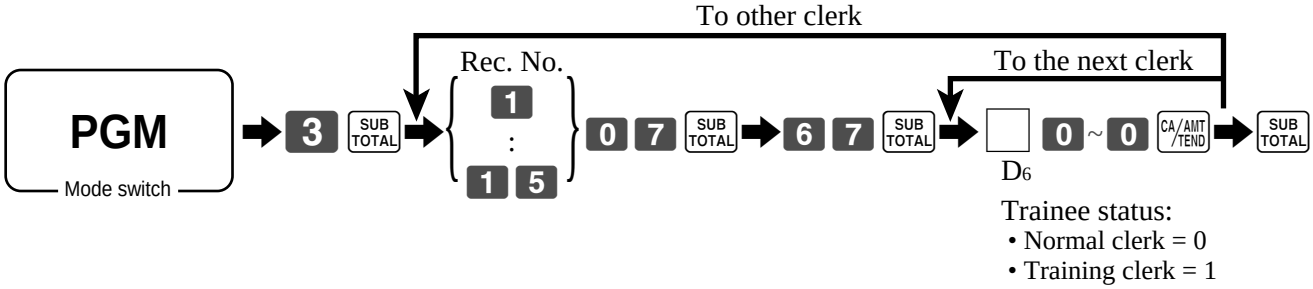
Programming to clerk

You can program up to 4-digit assigning number (clerk number), trainee status of clerk (i.e. training cashier) and commission rate for each clerk.

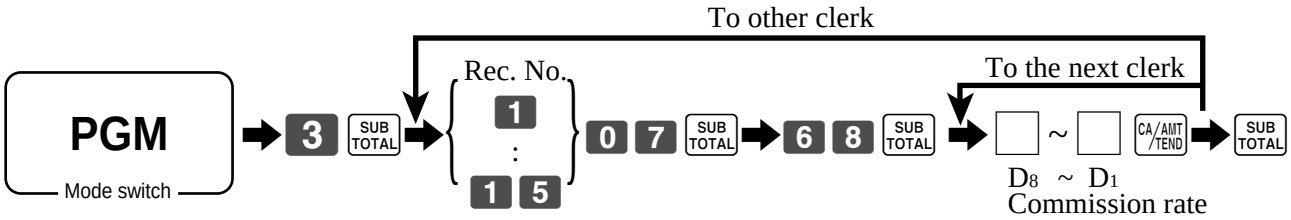
Programming clerk number



Programming trainee status



Programming commission rate



Record No.	Clerk number				Trainee status		Commission rate							
							Commission rate 1				Commission rate 2			
							Integer		Decimal		Integer		Decimal	
	D_4	D_3	D_2	D_1	D_6	00000	D_8	D_7	D_6	D_5	D_4	D_3	D_2	D_1
1						00000								
2						00000								
3						00000								
4						00000								
5						00000								
6						00000								
7						00000								
8						00000								
9						00000								
10						00000								
11						00000								
12						00000								
13						00000								
14						00000								
15						00000								

Character programming can be performed in two ways:

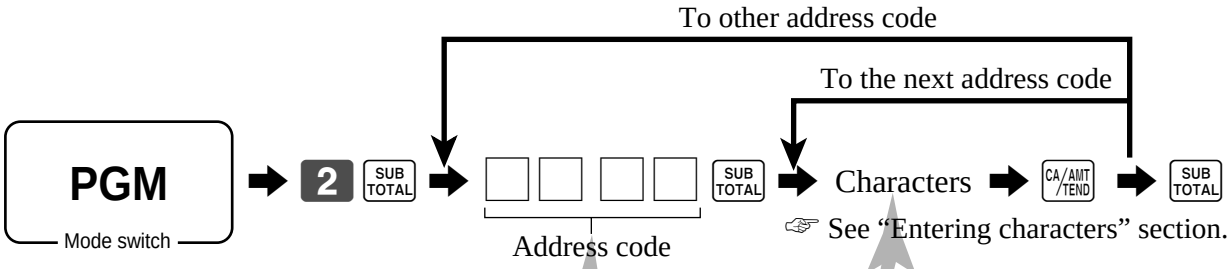
- **Character keyboard programming (see page 95),**
  or
- **Entering characters by code (see page 96).**

Programming descriptors and messages

The following descriptors and messages can be programmed;

- Messages (Logo, commercial and bottom message)
- Clerk name
- PLU item descriptor
- Department key descriptor
- Machine number

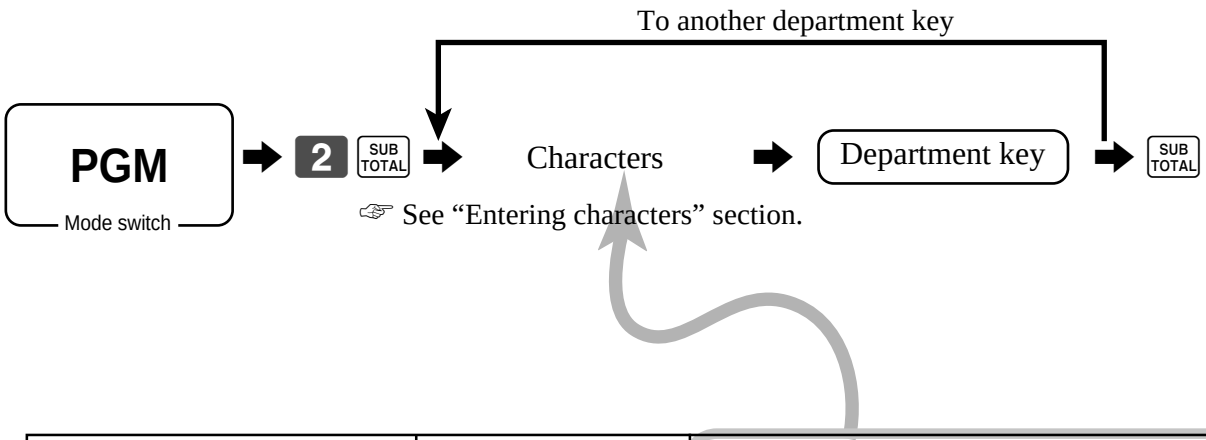
Programming receipt message, machine No. and clerk name



Address code	Contents	Initial character	Yours
0107	Clerk 01	C01	
0207	Clerk 02	C02	
0307	Clerk 03	C03	
0407	Clerk 04	C04	
0507	Clerk 05	C05	
0607	Clerk 06	C06	
0707	Clerk 07	C07	
0807	Clerk 08	C08	
0907	Clerk 09	C09	
1007	Clerk 10	C10	
1107	Clerk 11	C11	
1207	Clerk 12	C12	
1307	Clerk 13	C13	
1407	Clerk 14	C14	
1507	Clerk 15	C15	
0191	Machine number	MC#01	

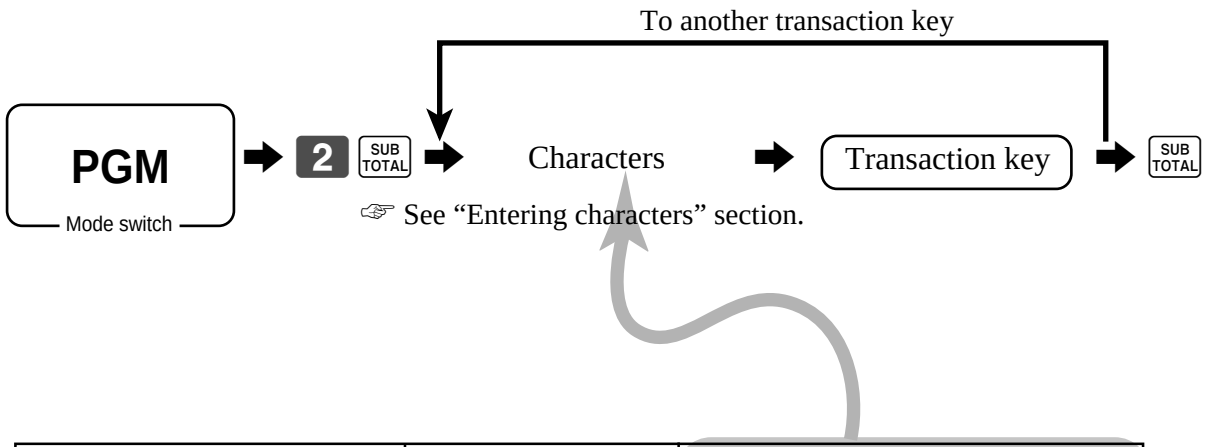
Address code	Contents	Initial character	Yours
0132	1st line of logo message	YOUR RECEIPT	
0232	2nd line of logo message	THANK YOU	
0332	3rd line of logo message	CALL AGAIN	
0432	4th line of logo message		
0532	1st line of commercial message		
0632	2nd line of commercial message		
0732	3rd line of commercial message		
0832	4th line of commercial message		
0932	1st line of bottom message		
1032	2nd line of bottom message		
1132	3rd line of bottom message		
1232	4th line of bottom message		
1332	1st line of bill top message		
1432	2nd line of bill top message		
1532	3rd line of bill top message		
1632	4th line of bill top message		
1732	1st line of bill copy message		
1832	2nd line of bill copy message		
1932	3rd line of bill copy message		
2032	4th line of bill copy message		
2132	1st line of bill bottom message		
2232	2nd line of bill bottom message		
2332	3rd line of bill bottom message		
2432	4th line of bill bottom message		
2532	Post receipt message	DUPLICATE RECEIPT	
2632	1st line of guest intermediate msg.		
2732	2nd line of guest intermediate msg.		
2832	3rd line of guest intermediate msg.		
2932	4th line of guest intermediate msg.		
3032	1st line of guest bottom msg.		
3132	2nd line of guest bottom msg.		
3232	3rd line of guest bottom msg.		
3332	4th line of guest bottom msg.		
3432	5th line of guest bottom msg.		
3532	6th line of guest bottom msg.		
3632	7th line of guest bottom msg.		
3732	8th line of guest bottom msg.		
3832	9th line of guest bottom msg.		
3932	10th line of guest bottom msg.		

Programming department key descriptor



Contents	Initial character	Yours
Department 01	DEPT01	
Department 02	DEPT02	
Department 03	DEPT03	
Department 04	DEPT04	
Department 05	DEPT05	
Department 06	DEPT06	
Department 07	DEPT07	
Department 08	DEPT08	
Department 09	DEPT09	
Department 10	DEPT10	
Department 11	DEPT11	
Department 12	DEPT12	
Department 13	DEPT13	
Department 14	DEPT14	
Department 15	DEPT15	
:	:	

Programming transaction key descriptor



Contents	Initial character	Yours
Cash / Amount tendered	CASH	
Charge	CHARGE	
Check	CHECK	
Credit 1	CREDIT1	
Credit 2	CREDIT2	
Received on account	RC	
Paid out	PD	
Minus	–	
Discount	%–	
Refund	RF	
Correction	CORR	
Receipt	RCT	
Non add / No sale	#/NS	
VAT	VAT	
Tax shift 1	T/S1	
Tax shift 2	T/S2	
Open	OPEN	
Clerk number	CLK#	
Subtotal	SUBTOTAL	
Receipt on / off	RCT ON/OFF	
Multiplication / Date time	X	
Multiplication / for / Date time	QT	
Two zero	00	
Decimal point	.	
Media change	MEDIA CHG	
PLU	PLU	
Price	PRC	
Coupon	COUPON	

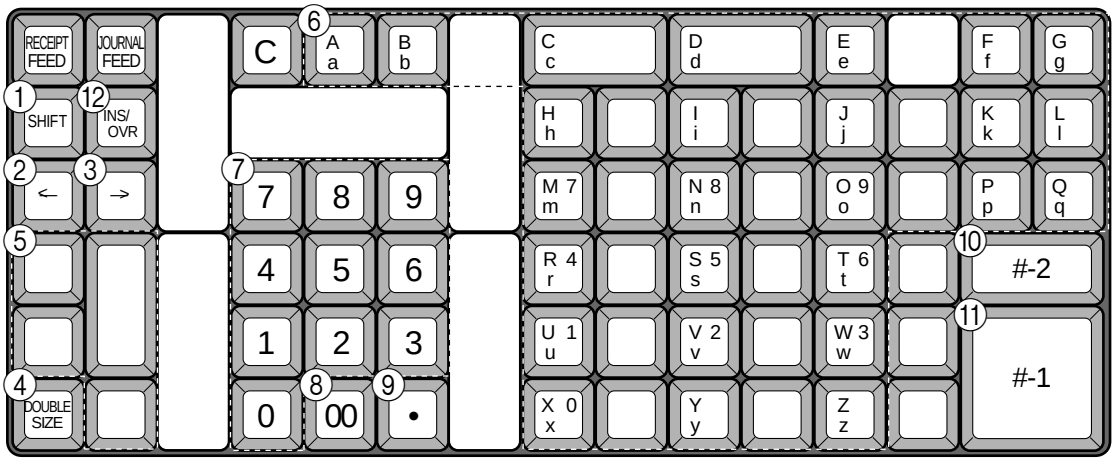
Entering characters

In this section, the method to enter descriptors or messages (characters) to the cash register during programming is described.
Characters are specified by character keyboard or by codes. In the first half of this section, the usage of character keyboard is described. In the latter half, inputting method by character code is described.

Using character keyboard

Example:

Input “ A p p l e J u i c e ”,
enter “DBL”“A” “SHIFT”“p” “p” “l” “e” “SPACE” “CAP”“J” “SHIFT”“u” “i” “c” “e” 00 .



① **Shift key**
Press this key to shift the following characters from the uppercase letter to lowercase letter and returns to the uppercase letter in sequence.

② **Left cursor key**
Press this key to shift the character setting position to the left one by one. This key is used to correct already entered characters.

③ **Right cursor key**
Press this key to shift the character setting position to the right one by one. This key is used to correct already entered characters.

④ **Double size letter key**
Press this key to specify that the next character you input to a double size character.

⑤ **Space key**
Press this key to set a space.

⑥ **Alphabet keys**
Press these keys to input characters.

⑦ **Numeric keys**
Press these keys to enter program codes, memory number and character codes.

⑧ **Character fixed key**
Press this key to enter when the alphabetic entry for a descriptor, name or message has been completed.

⑨ **Backspace/Character code fixed key**
Press this key to register one character with code (2 or 3 digit).
It clears the last input character, much like a back space key. (Does not clear the double size letter key entry.)

⑩ **Program end key**
Press this key to terminate the character programming.

⑪ **Character enter key**
Press this key to register the programmed characters.

⑫ **Insert/Override key**
Press this key to change the status “Insert” between the original characters or “Override” the original characters.

Entering characters by code

Every time you enter a character, choose character codes by the character code list (below) and press the • key to settle it. After you complete entering characters, press the 00 key to fix them.

Example:

Input “ A p p l e J u i c e ”,

enter “ 255 • 65 • 112 • 112 • 108 • 101 • 32 • 74 • 117 • 105 • 99 • 101 • 00 ”

Character code list

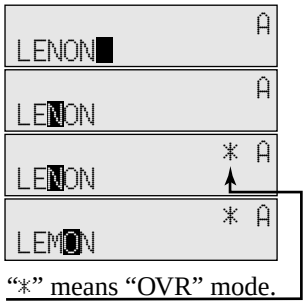
Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code
Space	32	0	48	@	64	P	80	'	96	p	112	Ç	128
!	33	1	49	A	65	Q	81	a	97	q	113	ü	129
"	34	2	50	B	66	R	82	b	98	r	114	é	130
#	35	3	51	C	67	S	83	c	99	s	115	â	131
$	36	4	52	D	68	T	84	d	100	t	116	ä	132
%	37	5	53	E	69	U	85	e	101	u	117	à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

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

Editing characters

Correcting a character just entered

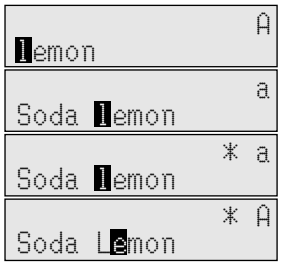
OPERATION		DISPLAY (dot)
"L" "E" "N" "O" "N"	⇦Enter LENON, instead of LEMON.	
← ← ←	⇦Press left arrow key three times.	
INS/OVR	⇦Override mode	
"M"	⇦Enter "M".	



"∗" means "OVR" mode.

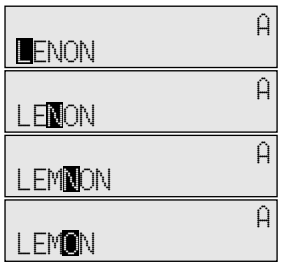
Correcting and adding a PLU descriptor already set

OPERATION		DISPLAY (dot)
00	⇦Enter "00".	
1 5 PLU	⇦Enter PLU No.	
"S" "o" "d" "a" " "	⇦Enter "Soda" and "space".	
INS/OVR	⇦Override mode	
"L"	⇦Enter "L".	



Correcting a key descriptor already set

OPERATION		DISPLAY (dot)
00	⇦Enter "00".	
1	⇦Designate an appropriate key.	
→ →	⇦Press right arrow key two times.	
"M"	⇦Enter "M".	
·	⇦Delete "N".	



Correcting a message descriptor already set

OPERATION		DISPLAY (dot)
0 1 0 1 SUB TOTAL	⇦Enter record and file number.	
→ →	⇦Press right arrow key two times.	
"O"	⇦Enter "O".	
·	⇦Delete "A".	

Printing read/reset reports

• Daily sales read report (“X1” mode)

You can print read reports at any time during the business day without affecting the data stored in the cash register's memory.

• Daily sales reset report (“Z1” mode)

You should print reset reports at the end of the business day.

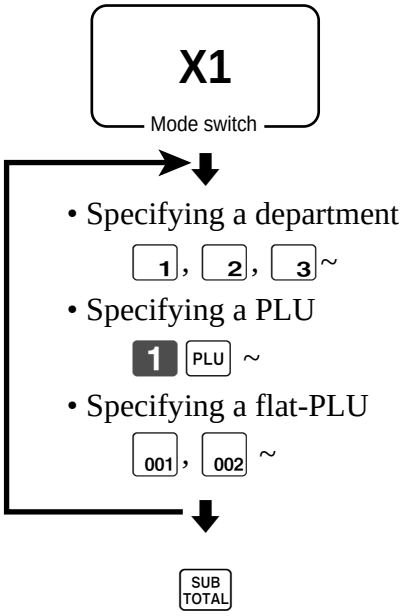
Important!

- The reset operation issues a report and also clears all sales data from the cash register's memory.
- Be sure to perform the reset operations at the end of each business day. Otherwise, you will not be able to distinguish between the sales data for different dates.

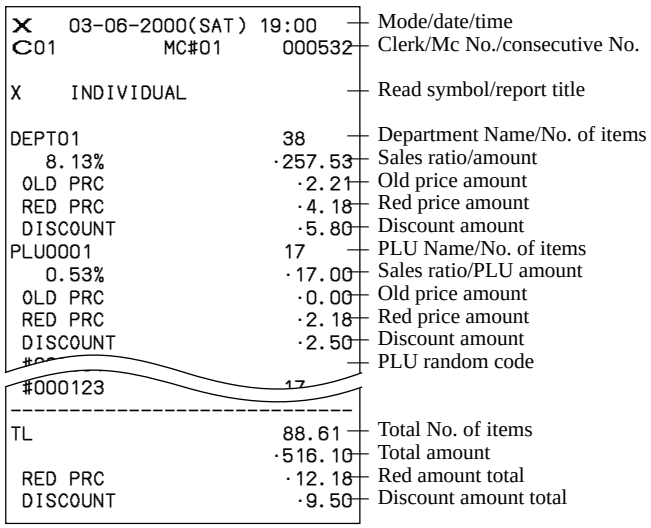
To print the individual department, PLU/flat-PLU read report

This report shows sales for specific departments or PLUs/flat-PLUs.

OPERATION



REPORT

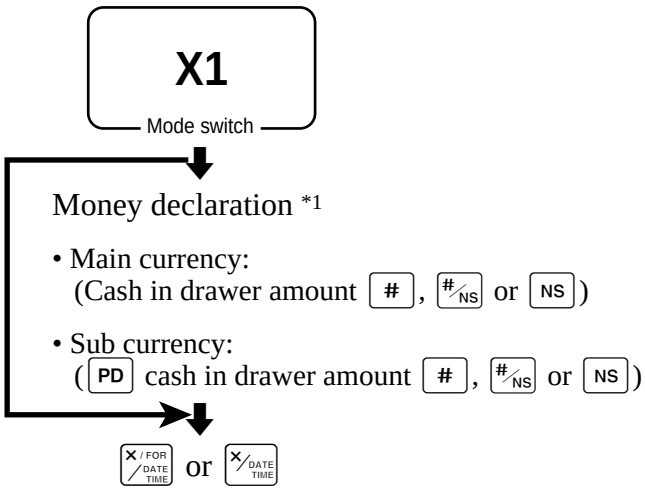


After you finish to select items, press SUB TOTAL to terminate.

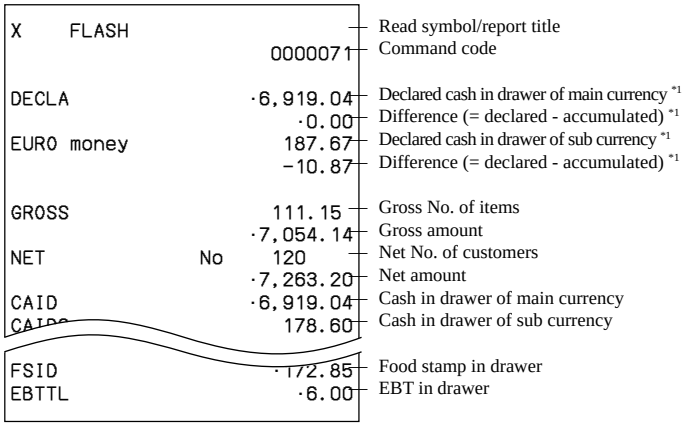
To print the financial read report

This report shows gross sales, net sales, cash in drawer and check in drawer.

OPERATION



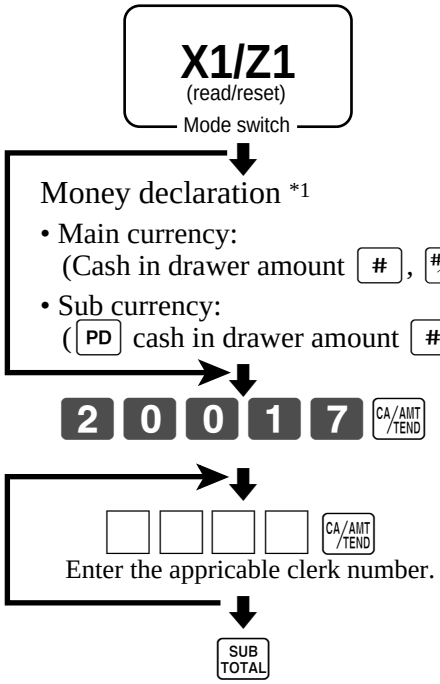
REPORT



To print the individual clerk read/reset report

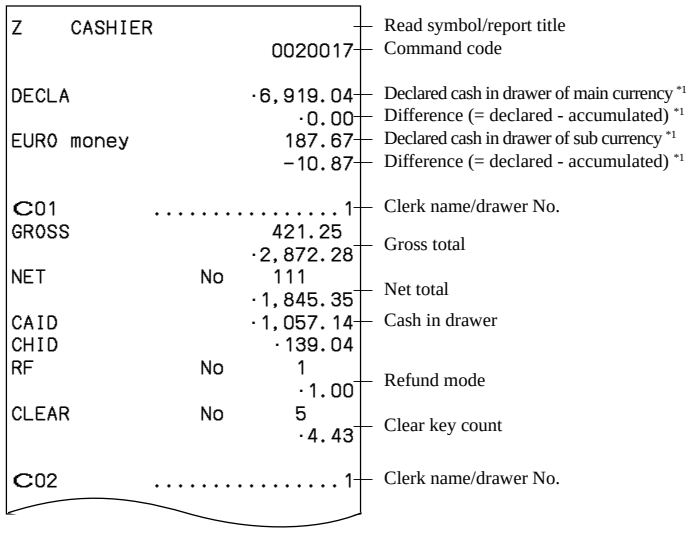
This report shows individual clerk totals.

OPERATION



After you finish to select clerks, press SUB TOTAL to terminate.

REPORT



*1 Money declaration:
Count how much cash is in the drawer and input this amount (up to 10 digits).
The cash register will automatically compare the input with the cash in drawer in the memory and print the difference between these two amounts.
Note that if money declaration is required by programming, you cannot skip this procedure.

To print the daily sales read/reset report

This report shows sales except for PLUs.

OPERATION **REPORT**

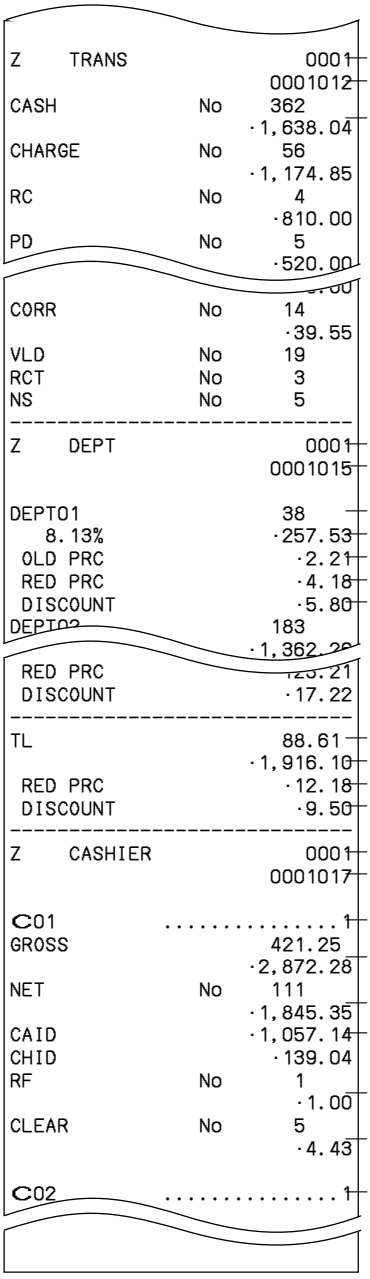
X1/Z1
(read/reset)
Mode switch

Money declaration *1

- Main currency:
  (Cash in drawer amount [#], [#/NS] or [NS])
- Sub currency:
  ([PD] cash in drawer amount [#], [#/NS] or [NS])

[CA/AMT/TEND]

```
------------------------------
Z    BATCH 01                  — Report title
------------------------------
Z    FIX                 0001  — Fixed total report title/reset counter *4
                      000101   — Report code

DECLA                ·6,919.04 — Declared cash in drawer of main currency *1
                       ·0.00   — Difference (= declared - accumulated) *1
EURO money             187.67  — Declared cash in drawer of sub currency *1
                       -10.87  — Difference (= declared - accumulated) *1

GROSS                  981.25
                     ·6,574.40 — Gross total *3
NET              No      111
                     ·7,057.14 — Net total *3
CAID                 ·6,919.04 — Cash in drawer *3
CHID                   ·139.04 — Charge in drawer *3
CKID                   ·859.85 — Check in drawer *3
CRID(1)                ·709.85 — Credit in drawer *3
------------------------------
RF               No        3
                       ·10.22  — Refund mode *3
CUST             CT      111   — Customer number *3
AVRG                     ·63.57 — Average sales per customer *3
DC                        ·1.22 — Discount total *3
REF                       ·2.42 — Refund key *3
CLEAR            No       85   — Clear key count *3
ROUND                     ·0.00 — Rounding total *3
CANCEL           No        2
                       ·12.97  — Cancellation *3
------------------------------
TA1                  ·2,369.69 — Taxable 1 amount *3
TX1                    ·128.86 — Tax 1 amount *3
TA2                  ·2,172.96 — Taxable 2 amount *3
TX2                    ·217.33 — Tax 2 amount *3
------------------------------
GT1          ·00000000125478.96 — Grand total 1 *3
GT2          ·00000000346284.23 — Grand total 2 *3
GT3          ·00000000123212.75 — Grand total 3 *3
------------------------------
```



Function key report title/reset counter
Report code
Function key count/amount *2
Department report title/reset counter
Report code
Department name/No. of items *2
Sales ratio/amount *2
Old price amount *2
Red price amount *2
Discount amount *2
Total No. of items
Total amount
Red amount total
Discount amount total
Clerk report title/reset counter
Report code
Clerk name/drawer No.
Gross total
Net total
Cash in drawer
Refund mode
Clear key count
Clerk name/drawer No.

*1 Money declaration:
Count how much cash is in the drawer and input this amount (up to 10 digits).
The cash register will automatically compare the input with the cash in drawer in the memory and print the difference between these two amounts.
Note that if money declaration is required by programming, you cannot skip this procedure.

*2 Zero totalled departments/functions (the amount and item numbers are both zero) are not printed.

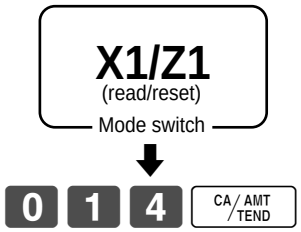
*3 These items can be skipped by programming.

*4 The "✱" symbol is printed on the reset report, memory overflow occurred in the counter/totalizer.

To print the PLU/flat-PLU read/reset report

This report shows sales for PLUs.

OPERATION



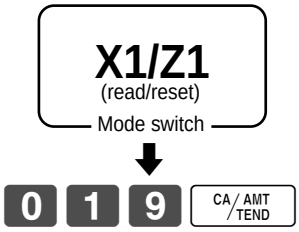
REPORT

```
X     PLU                                  Read symbol/report title
                          0000014          Report code

PLU0001                    17              PLU name/No. of items
    0.53%                  ·17.00          Sales ratio/PLU amount
 OLD PRC                    ·0.00          Old price amount
 RED PRC                    ·2.18          Red price amount
 DISCOUNT                   ·2.50          Discount amount
 #000001                                   PLU random code
PLU0100                    42
    4.03%                  ·69.00
 OLD PRC                    ·0.00
 RED PRC                    ·5.18
 DISCOUNT                   ·0.50
 #000100
-----------------------------
TL                        188.61          Total No. of items
                         ·516.10          Total amount
 RED PRC                   ·12.18          Red amount total
 DISCOUNT                   ·9.50          Discount amount total
```

To print the hourly sales read/reset report

This report shows hourly breakdowns of sales.

OPERATION



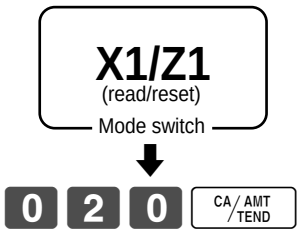
REPORT

```
X     HOURLY                               Read symbol/report title
                          0000019          Report code

00:00->01:00                               Time range
                CT          1              No. of customers
GROSS                      ·1.10           Gross sales amount
NET             No          1              No. of receipt
   1.90%                   ·1.20           Sales ratio/net sales amount
23:00->00:00
                CT          1
GROSS                      ·3.45
NET                         1
   3.90%                   ·3.59
-----------------------------
TL              CT        280              Total No. of customers
GROSS                   ·1,937.61          Gross total amount
NET             No         25              Total No. of receipt
                        ·2,096.80          Net total amount
```

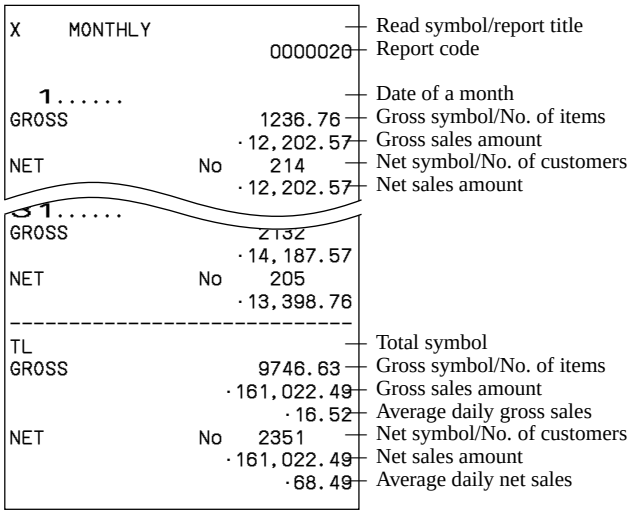
To print the monthly sales read/reset report

This report shows monthly breakdowns of sales.

OPERATION



REPORT

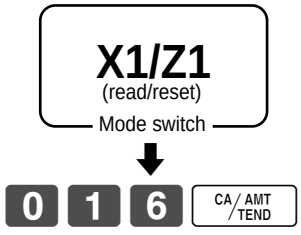


Read symbol/report title
Report code
Date of a month
Gross symbol/No. of items
Gross sales amount
Net symbol/No. of customers
Net sales amount
Total symbol
Gross symbol/No. of items
Gross sales amount
Average daily gross sales
Net symbol/No. of customers
Net sales amount
Average daily net sales

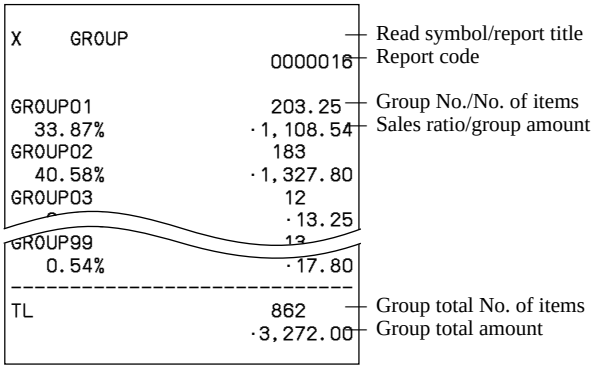
To print the group read/reset report

This report shows PLU/subdepartment/department group totals.

OPERATION



REPORT



Read symbol/report title
Report code
Group No./No. of items
Sales ratio/group amount
Group total No. of items
Group total amount

• Periodic sales read report (“X2” mode)

You can print read reports at any time during the business day without affecting the data stored in the cash register's memory.

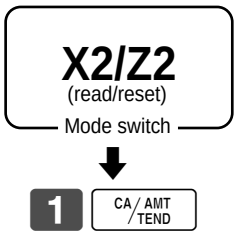
• Periodic sales reset report (“Z2” mode)

You should print reset reports at the end of the business day.

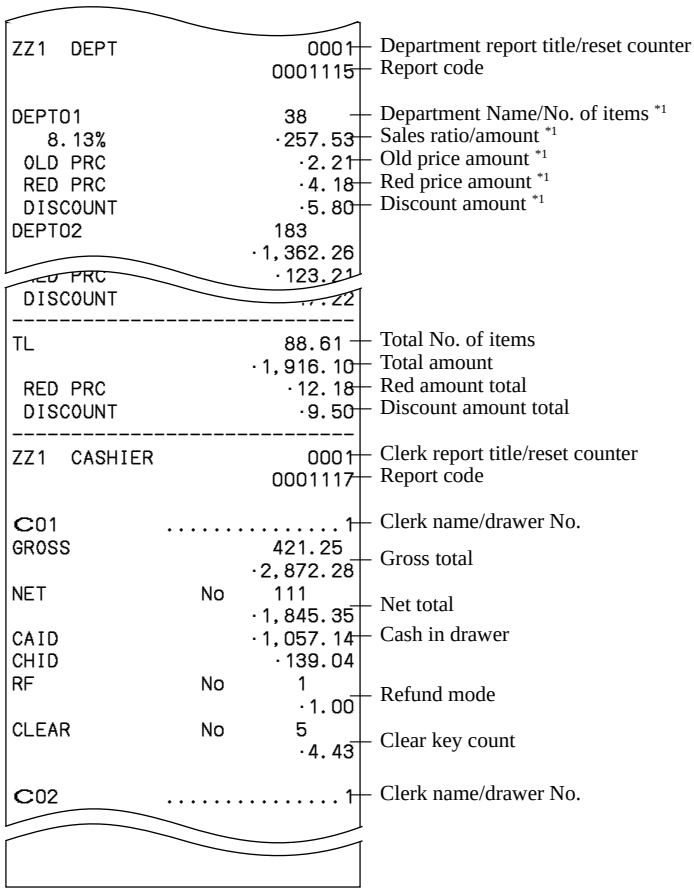
To print the periodic 1/2 sales read/reset reports

These reports show sales breakdowns of sales by any two kinds of period you want.

OPERATION **REPORT**




```
------------------------------
ZZ1  BATCH 02                  — Report title
------------------------------
ZZ1  FIX                 0001  — Fixed total report title/reset counter
                      0001111  — Report code

GROSS                  981.25
                     ·6,574.40 — Gross total *2
NET              No        111
                     ·7,057.14 — Net total *2
CAID                 ·6,919.04 — Cash in drawer *2
CHID                   ·139.04 — Charge in drawer *2
CKID                   ·859.85 — Check in drawer *2
CRID(1)                ·709.85 — Credit in drawer *2
------------------------------
RF               No          3
                       ·10.22  — Refund mode *2
CUST             CT        111 — Customer number *2
AVRG                    ·63.57 — Average sales per customer *2
DC                       ·1.22 — Discount total *2
REF                      ·2.42 — Refund key *2
CLEAR            No         85 — Clear key count *2
ROUND                    ·0.00 — Rounding total *2
CANCEL           No          2
                       ·12.97  — Cancellation *2
------------------------------
TA1                  ·2,369.69 — Taxable 1 amount *2
TX1                    ·128.86 — Tax 1 amount *2
TA2                  ·2,172.96 — Taxable 2 amount *2
TX2                    ·217.33 — Tax 2 amount *2
------------------------------
ZZ1  TRANS               0001  — Function key report title/reset counter
                      0001112  — Report code
CASH             No        362
                     ·1,638.04 — Function key count/amount *1
CHARGE           No         56
                     ·1,174.85
RC               No          4
                       ·810.00
PD               No          5
                         ·5.00
CORR                        14
                        ·39.55
VLD              No         19
RCT              No          3
NS               No          5
------------------------------
```



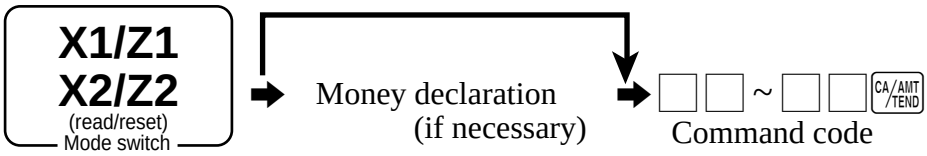
*1 Zero totalled departments/functions (the amount and item numbers are both zero) are not printed.

*2 These items can be skipped by programming.

To print other sales read/reset reports

The following reports can be issued.

Procedure



Report/command code list

Report name	Command code # = 0 (read) # = 1 (reset)		
	Daily	Periodic 1	Periodic 2
Fix totalizer	11	#111	#211
Transaction key	12	#112	#212
Subdepartment	13	#113	#213
PLU by record number (all) *	14	#114	#214
all PLU by random code *	14	#114	#214
by group	1000014	100#114	100#214
by department	2000014	200#114	200#214
by subdepartment	3000014	300#114	300#214
individual by group	1020014	102#114	102#214
individual by department	2020014	202#114	202#214
individual by subdepartment	3020014	302#114	302#214
range by record number *	10014	1#114	1#214
range by random code *	10014	1#114	1#214
best 50 (amount order)	60014	60114	60214
best 50 (quantity order)	70014	70114	70214
menu (1st)	81	#181	#281
menu (2nd)	82	#182	#282
menu (3rd)	83	#183	#283
menu (4th)	84	#184	#284
menu (5th)	85	#185	#285
menu (6th)	86	#186	#286
PLU stock all PLU by record number *	64	-----	-----
all by random PLU code *	64	-----	-----
by group	1000064	-----	-----
by department	2000064	-----	-----
by subdepartment	3000064	-----	-----
individual by group	1020064	-----	-----
individual by department	2020064	-----	-----
individual by subdepartment	3020064	-----	-----
range by record number *	10064	-----	-----
range by random code *	10064	-----	-----

Report name	Command code # = 0 (read) # = 1 (reset)		
	Daily	Periodic 1	Periodic 2
Department	15	#115	#215
best 50 (amount order)	60015	60115	60215
best 50 (quantity order)	70015	70115	70215
Group	16	#116	#216
Clerk	17	#117	#217
individual	20017	2#117	2#217
Hourly sales	19	#119	#219
Monthly sales	20	#120	#220
Open check	25	-----	-----
total	40025	-----	-----
Scanning PLU by range department (all)	26	-----	-----
by range group	1000026	-----	-----
by range department	2000026	-----	-----
by range subdepartment	3000026	-----	-----
best 50 by range department	80026	-----	-----
inactive item by range department	90026	-----	-----
Not found PLU by range department (all)	27	-----	-----
Table analysis	28	#128	#228
Hourly item	31	#131	#231
Mix & match	61	#161	#261
Financial	71	-----	-----
Individual (item / transaction key)	No code	-----	-----
PLU reset (no report)	50014	51114	51214
Scanning PLU reset (no report)	50026	-----	-----
Not found PLU reset (no report)	50027	-----	-----
Not found PLU file reset (incl. program)	80027	-----	-----
Not found PLU maintenance file reset	80082	-----	-----

* You can choose by record number / random code by program.

Reading the cash register's program

To print unit price/rate program (except PLU/scanning PLU)

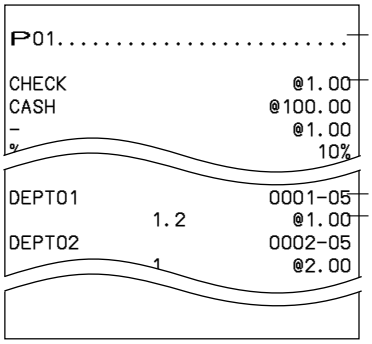
OPERATION

PGM
Mode switch

1 SUB TOTAL

SUB TOTAL

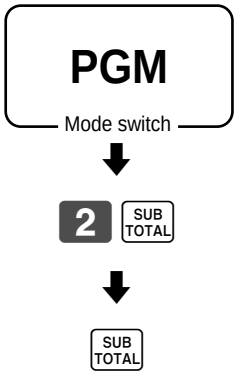
REPORT

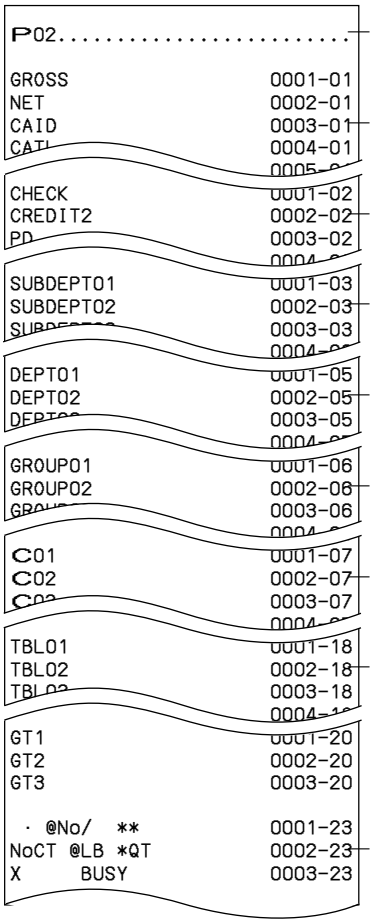


Program read symbol
Transaction key unit price or rate
Department descriptor/rec-#/file-#
Unit quantity/unit price

To print key descriptor, name, message program (except PLU)

OPERATION **REPORT**





Program read symbol

Fix total character

Transaction key character

Subdepartment character

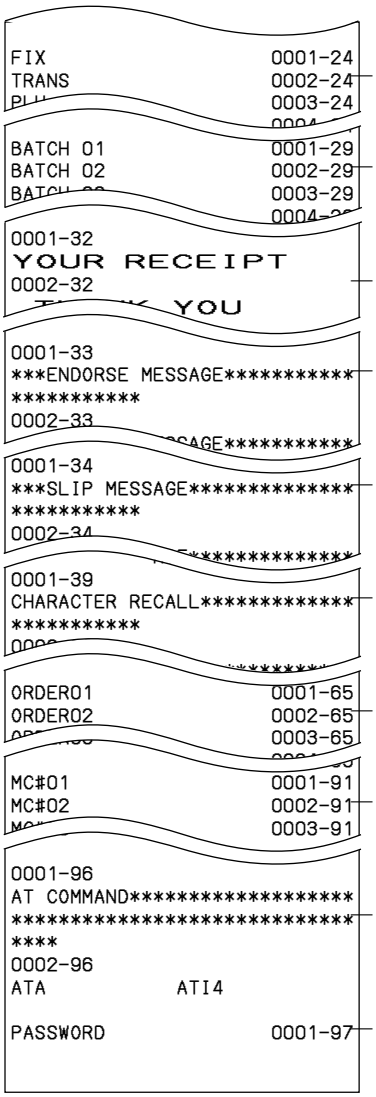
Department character

Group character

Clerk character

Table character

Special character



Report header character

Batch X/Z character

Receipt message

Check endorsement message

Slip/external printer message

Recall character

Order character

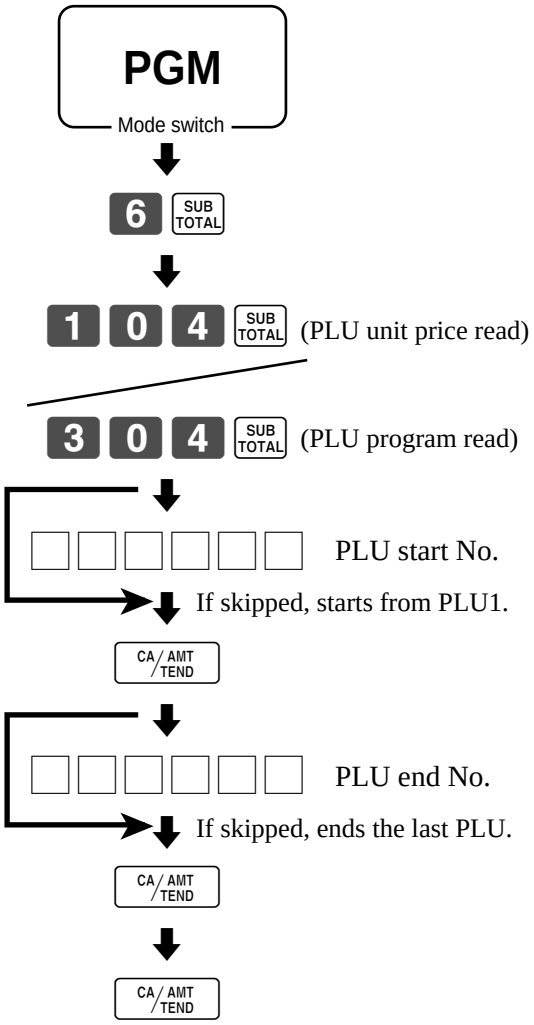
Terminal connection table character

AT command

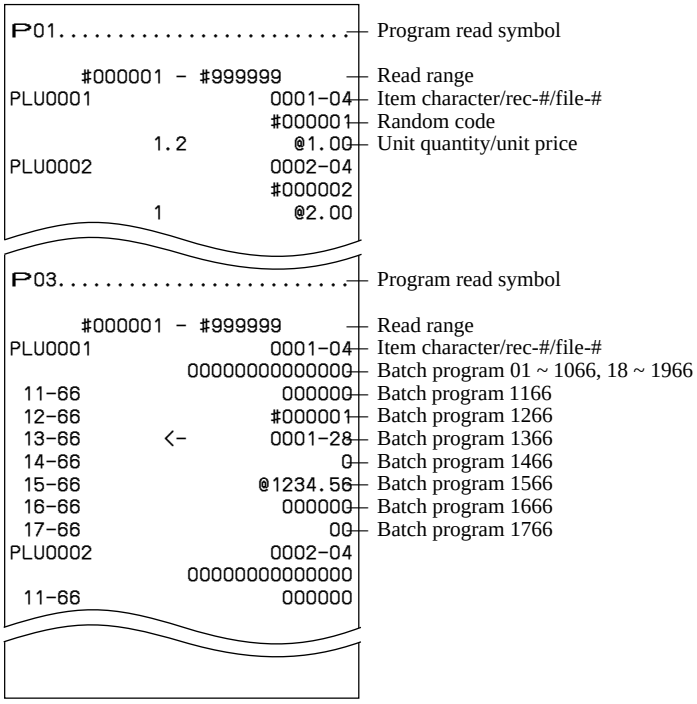
Online password

To print the PLU/flat-PLU program

OPERATION



REPORT



This section describes what to do when you have problems with operation.

When an error occurs

Errors are indicated by an error codes. When this happens, you can usually find out what the problem is as illustrated below.

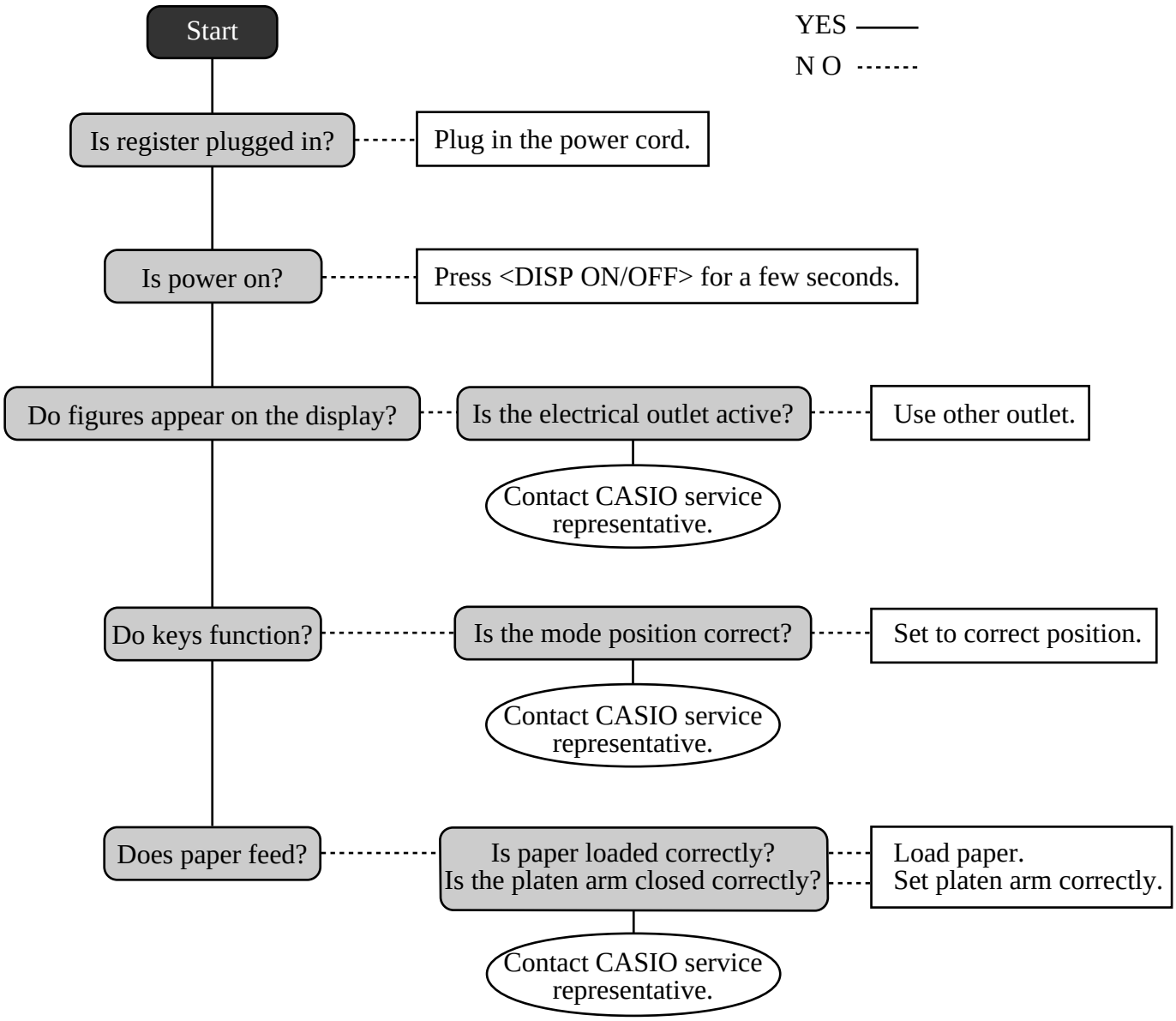
Press [C] and check the appropriate section of this manual for the operation you want to perform.

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	Clerk button pressed before finalization of a registration being performed under another clerk button. The signed on clerk differs from the clerk performed the tracking check registration.	Press the original clerk button and finalize the transaction before pressing another clerk button. Input correct check number or assign the proper clerk number.
E004	Error INIT/FC	Initialization or unit lock clear operation in progress.	Complete operation.
E005	Insufficient memory	Memory allocation exceeds total memory capacity.	Reallocate memory or expand memory (if possible).
E008	Please sign on	Registration without entering a clerk number.	Enter a clerk number.
E009	Enter password	Operation without entering the password.	Enter password.
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.	Shut the cash drawer.
E015	Check R/J printer	Printer error	
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.
E023	Stock shortage	Actual stock quantity becomes less than the minimum stock quantity.	Perform stock maintenance.
E024	No stock	Actual stock quantity becomes/is negative.	Perform stock maintenance.
E025	Illegal scale read or entry	Scale read error/perform non-scale registration to scalable item.	Retry registration/register to a proper department or PLU.
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.
E030	Press RATE TAX key	Finalization of a transaction attempted without registering rate-tax.	Register <RATE TAX>.
E031	Press ST key	Finalization of a transaction attempted without confirming the subtotal.	Press <SUBTOTAL>.
E032	Press FSST key	Finalization of a transaction attempted without confirming of the food stamp subtotal.	Press <FS/ST>.
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 pick up 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. This error appears only when this function is activated.	Perform money declaration.
E040	Issue guest receipt	Attempt to register a new transaction without issuing a guest receipt.	Issue a guest receipt.
E041	Print validation	Attempt to register a new transaction without validation.	Perform validation operation.
E042	Insert VLD paper and retry	Validation paper (slip printer) has run out.	Insert new validation paper.
E044	Print cheque	Attempt to register a new transaction without printing check.	Perform check print.
E045	Print Check Endorsement	Attempt to register a new transaction without printing check endorsement.	Perform check endorsement.

Error code	Message	Meaning	Action
E046	REG buffer full	Registration buffer full. Separate check buffer full.	Finalize the transaction. Allocate sufficient separate check buffer.
E047	Print bill	Attempt to register a new transaction without printing slip.	Perform slip printing operation.
E048	Insert slip paper and retry	No paper is inserted or paper is out in the slip printer.	Insert new slip paper.
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.
E054	Out of CHK/TBL No. range	Check number range over.	Enter correct number.
E055	In the SEP CHK operation	Normal registration is prohibited during separate check operation.	Terminate separate check operation.
E059	Press EAT-IN or TAKE-OUT key	Attempt to finalize a transaction without specifying <EAT-IN> or <TAKE-OUT>.	Press <EAT-IN> or <TAKE-OUT>.
E060	Printer offline	External printer offline	
E061	Printer error	External printer went down.	
E062	Printer paper end	External printer paper end	Replace new paper.
E063	Printer busy	External printer is now printing.	
E064	Print buffer full	Printing buffer full	
E066	Print from the beginning of the transaction	Attempt to print the last separated transaction on slip.	Print from the beginning of the transaction
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.
E085	Data exist in consolidation file	Data exists in the consolidation file.	Clear the data.
E099	Check NFP items	Disable to read/reset or consolidate the not found PLU item.	
E100	Operate at the master terminal	Prohibit master operation.	Perform it at master terminal.
E101	PLU maintenance file full. Press <#2> to exit	Scanning PLU direct maintenance/batch maintenance file becomes full.	Terminate the maintenance.
E105	PLU file full	Scanning PLU/not found PLU file full	
E106	Item exists in the PLU FILE	The designated item has already existed in the scanning PLU file.	Modify the designated item.
E121	Inline startup error	Network startup error.	
E139	Negative balance is not allowed	Attempt to register <–> or <CPN> when the balance becomes negative.	Enter proper minus/coupon amount.
E140	Wrong menu	This sheet holder is prohibited by PGM.	Set correct sheet holder.
E146	Arrangement file full	Arrangement file is full.	Set the arrangement properly.
E200	Insert CF card	No CF card is set.	Set CF card.
E203	Insufficient memory	Insufficient memory in the CF card.	Use a vacant (formatted) CF card.
E205	File already exist.	Can not write, because designated file has already been in the CF card.	Check the operation and retry.

When the register does not operate at all

Perform the following check whenever the cash register enter an error condition as soon as you switch it on. The results of this check are required by service personnel, so be sure to perform this check before you contact a CASIO representative for servicing.



Clearing a machine lock 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 Power off the register.
2 Insert the PGM key in the mode switch.
3 Press down [RECEIPT FEED], and turn the mode switch to PGM mode.
4 The display shows ten Fs, then release [RECEIPT FEED].
5 Press [SUB TOTAL]. The display shows ten Fs and issue a receipt.

Important!

• If the register does not show ten Fs, never press [SUB TOTAL] and call service representative.

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 on-going transaction as well as all sales data in memory are protected by the memory backup batteries.

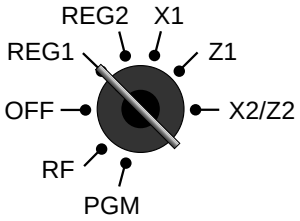
- Power failure during a registration
  The subtotal for items registered up to the power failure is retained in memory. You will be able to continue with the registration when power is restored.
- Power failure during printing a read/reset report
  The data already printed before the power failure is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

The memory protection battery is constantly charging and discharging as you switch the cash register on and off during normal operations. This causes the capacity of the battery to decrease after approximately five years of use.

Important !

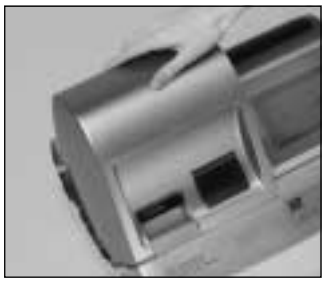
- Remember a weak battery has the potential of losing valuable transaction data.
- A label on the back of the cash register shows the normal service period of the battery installed in your cash register.
- Have the battery replaced by your dealer within the period noted on this label.

To replace journal paper



Step 1

Turn the mode switch to REG1 position.

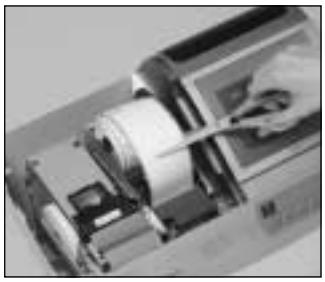


Step 2

Remove the printer cover.
(If the cover is locked, unlock by using the printer cover key before this step.)

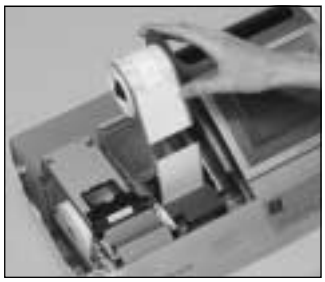
Step 3

Press JOURNAL FEED to feed about 20 cm of paper.



Step 4

Cut the journal paper at the point where nothing is printed.



Step 5

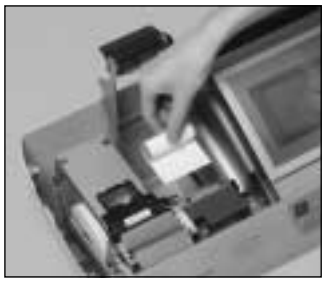
Remove the journal take-up reel from its holder.

Step 6

Slide the printed journal from the take-up reel.

Step 7

Open the platen arm.



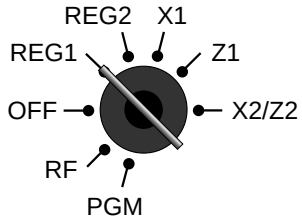
Step 8

Remove the old paper roll from the cash register.

Step 9

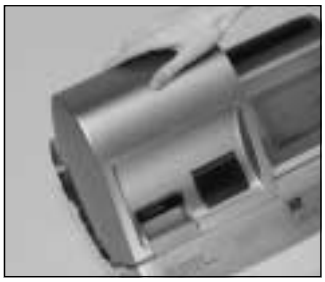
Load new paper.
Go to the step 3 described on page 14 of this manual.

To replace receipt paper



Step 1

Turn the mode switch to REG1 position.



Step 2

Remove the printer cover.
(If the cover is locked, unlock by using the printer cover key before this step.)

Step 3

Open the platen arm.

Step 4

Remove the old paper roll from the cash register.

Step 5

Load new paper.
Go to the step 3 described on page 13 of this manual.

Options

Wetproof cover:	WT-77
Memory chip:	RK-3
Hand held scanner:	HHS-15
Inline board :	I/O-PB17
	(Except for the U.S. and Canada)

Slip printer:	SP-1300
Cable:	PRT-CB-8C
Power Supply:	31AD-U or 31AD-E
External printer:	UP-350, UP-250
Cable:	PRT-CB-8A or PRT-CB-8B
Power supply:	PS-180 and AC-170

Consult with your CASIO dealer for details.

Specifications

Input method
- Entry: 10-key system, buffer memory 8 keys (2-key roll over)
- Department: Full key system

Display
- Main: Amount 10 digits (zero suppression); No. of repeats, total, change, receipt on/off, transaction indicator
  Descriptor 16 digits × 2 lines; item descriptor, No. of items, mode, clerk name
- Customer: Amount 10 digits (zero suppression): total, change indicator

Printer
- Receipt: Thermal alpha-numeric system 29 digits, receipt on/off switch (key)
  Store name or slogan is printed automatically
- Graphic logo: 20 (H) × 53 (W) mm
- Journal: Thermal alpha-numeric system 29 digits
  Automatic take up roll winding
- Paper roll: 58 (W) × 83 (D) mm
- Paper feed: Separate for receipt and journal
- Print speed: About 20 l/s

Listing capacity
- Amount: 99999999
- Quantity: 9999.999
- Tendered amount: 9999999999
- Percent: 99.99
- Tax rate: 9999.9999
- Numbers: 9999999999999999

Chronological data
- Date print: Automatic date printout on receipt or journal, automatic calendar
- Time print: Automatic time printout on receipt or journal, 24-hour system/12-hour system

Alarm

Key catch tone, error alarm, sentinel alarm

Memory protection battery

48-hour full charge protects memories for approximately 90 days.
Battery should be replaced every five years.

Power supply/power consumption

See the rating plate.

Operation temperature

0˚C ~ 40˚C (32˚F ~ 104˚F)

Humidity

10 ~ 90%

Dimensions and weight

215mm (H) × 410mm (W) × 491mm (D) / 8kg …without drawer
(8 15/32" (H) × 16 5/32" (W) × 19 11/32" (D) / 17lbs. 10oz.) …without drawer

Totalizers	Contents					
Category	No. of totalizers	Amount (10 digits)	No. of items (6 integer/3 decimal)	Count (4 digits)	No. of customers (6 digits)	Periodic totalizers
Department	Up to 30	✔	✔			✔
PLU	Up to 200	✔	✔			
Clerk	15	✔	✔	✔	✔	✔
Hourly sales	24	✔			✔	
Monthly sales	31	✔	✔		✔	
Transaction	Variable with program					✔
Non ressettable grand total	3	✔ (16 digits)				
Reset counter	12/15			✔		
Consecutive No.	1			✔ (6 digits)		

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

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CASIO

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