

ELECTRONIC CASH REGISTER

**SE-S6000**

**SE-C6000**

THANK YOU  
YOUR RECEIPT  
CALL AGAIN !



GROCC  
DAI  
H.B.A.  
FROZEN  
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DELICATESSEN

DI CI Canada

CASIO COMPUTER CO., LTD.  
6-2, Hon-machi 1-chome  
Shibuya-ku, Tokyo 151-8543, Japan

**USER'S MANUAL**

**CASIO®**

**CASIO**®

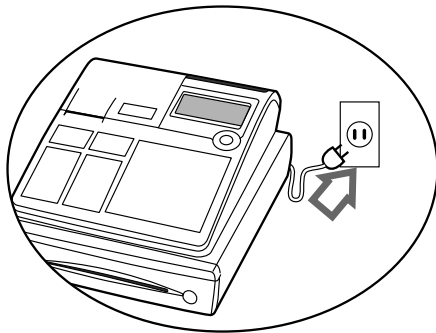
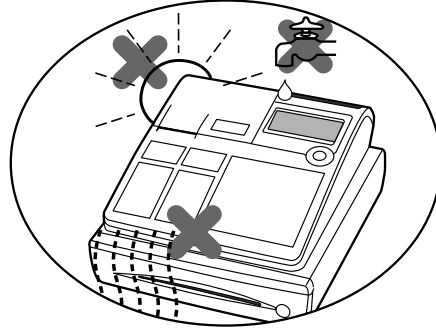
**CASIO COMPUTER CO., LTD.**  
6-2, Hon-machi 1-chome  
Shibuya-ku, Tokyo 151-8543, Japan

## Introduction & Contents

### Important!

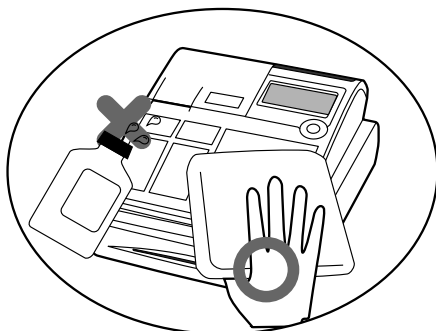
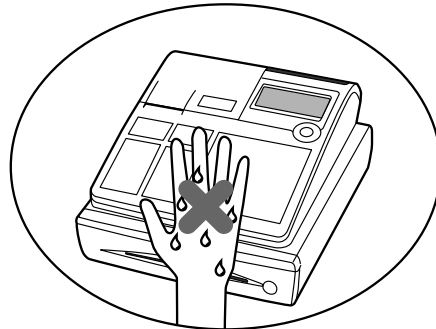
Your new cash register has been carefully tested before shipment to ensure proper operation. Safety devices eliminate worries about breakdowns resulting from operator errors or improper handling. In order to ensure years of trouble-free operation, however, the following points should be noted when handling the cash register.

*Do not locate the cash register where it will be subjected to direct sunlight, high humidity, splashing with water or other liquids, or high temperature (such as near a heater).*



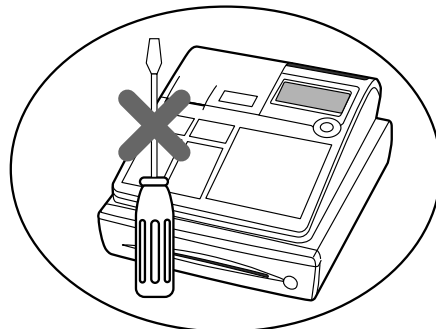
*Be sure to check the sticker on the side of the cash register to make sure that its voltage matches that of the power supply in the area.*

*Never operate the cash register while your hands are wet.*



*Use a soft, dry cloth to clean the exterior of the cash register. Never use benzene, thinner, or any other volatile agent.*

*Never try to open the cash register or attempt your own repairs. Take the cash register to your authorized CASIO dealer for repairs.*



## Introduction

Congratulations on your selection of a CASIO SE-S6000/SE-C6000 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.

Everything you need to know is included in this manual, so keep it on hand for reference.

Consult your CASIO dealer if you have any questions about points not specifically covered in this manual.

### **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.

*Please keep all information for future reference.*

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  $\triangle$  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  $\otimes$  symbol indicates a prohibited action. In this symbol the actual type of prohibited actions (disassembly, in this case) will be indicated.



The  $\bullet$  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.



**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.**

### **Warning!**



**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.**



**At least once a year, unplug the power plug and use a dry cloth or vacuum cleaner to clear dust from the area around the prongs of the power plug. Never use detergent to clean the power cord, especially power plug.**



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

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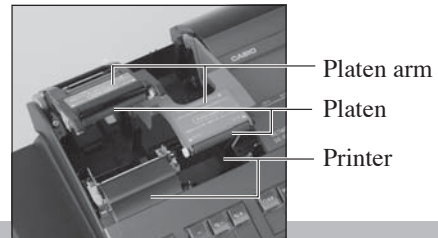
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# Getting Started

## 1. 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**  
*Remove the printer cover.*



**Step 4**  
*Put the leading end of the paper over the printer.*



**Step 2**  
*Open the platen arm.*



**Step 5**  
*Close the platen arm slowly until it locks steadily.*



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



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

## To install journal paper



### Step 1

Remove the printer cover.



### Step 2

Open the platen arm.



### Step 3

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



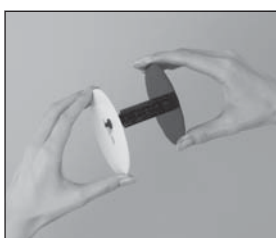
### Step 4

Put the leading end of the paper over the printer.



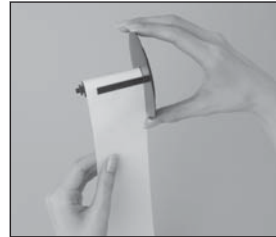
### Step 5

Close the platen arm slowly until it locks steadily.



### Step 6

Remove the paper guide of the take-up reel.



### 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

Replace the paper guide of the take-up reel.



### Step 9

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



### Step 10

Press the **JOURNAL FEED** key to take up any slack in the paper. During machine installation, press the **JOURNAL FEED** key after power on.

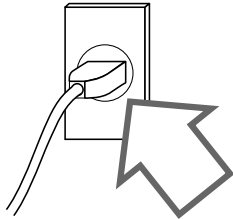


### Complete

Replace the printer cover.

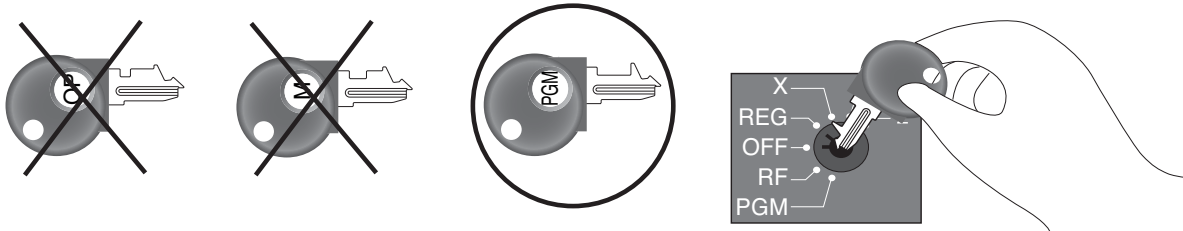
## Getting Started

### 2. Plug the cash register into a wall outlet.

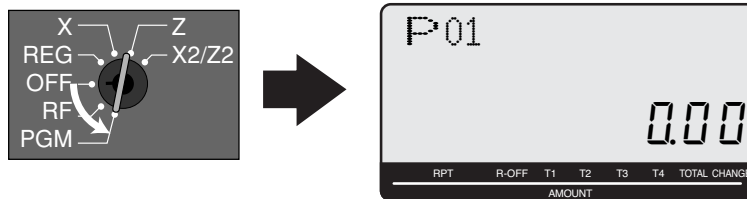


Be sure to check the sticker (rating plate) on the side of the cash register to make sure that its voltage matches that of the power supply in your area.

### 3. Insert the mode key marked "PGM" into the mode switch.



### 4. Turn the mode switch to the "PGM" position.



### 5. Sign on clerk.

1. Signing clerk 1 on as a temporary clerk.

**1**

### 6. Set the date.

1. Enter current date in year - month - day order, and press the <X/DATE TIME>

Example: 18 June 2010 ⇨ **1** **0** **0** **6** **1** **8**

2. Press <C> key.

Example:

## 7. Set the time.

1. Enter current time in 24 hour system, and press the <X/DATE TIME>  
 Example: 08:30 a.m. ⇨ **0 8 3 0** X/DATE TIME (09:45 p.m. ⇨ **2 1 4 5** X/DATE TIME)
2. Press <C> key.  
 Example: C

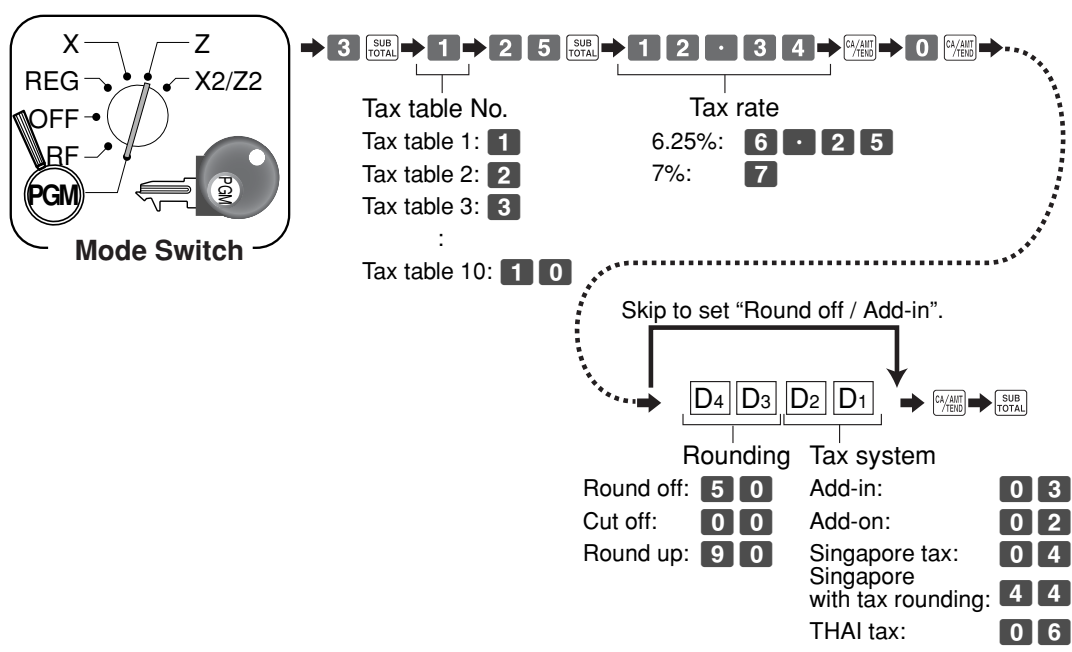
## 8. Tax table programming

This cash register is capable of automatically calculating up to ten different sales taxes. The sales tax calculations are based on rates, so you must tell the cash register the rates, the type of tax (add-in or add-on). Note that special rounding methods (next page) are also available to meet certain local tax requirements.

### Important!

After you program the tax calculations, you also have to individually specify which departments (page 40) and PLUs (page 43) are to be taxed.

### 8-1. Programming tax table for Asian, Oceania and other countries



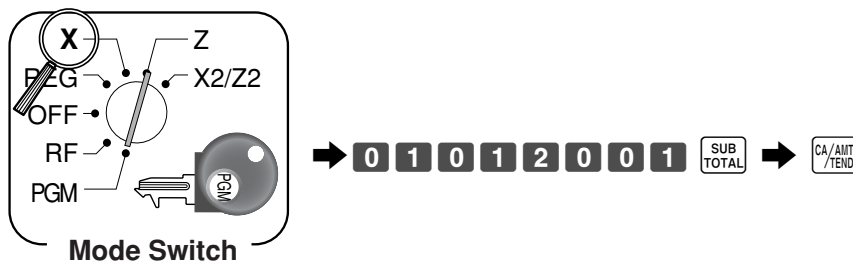


## 8. Tax table programming (continued)

### 8-3. Programming Australian GST (for Australia only)

1. Turn mode switch to X mode.
2. Enter 01012001, press <ST>.
3. Press <CA>. (If you want to cancel this procedure, press <ST> instead of <CA>.)

After completion of this procedure, the "GST system was changed" message was printed on receipt



and:

- ① Tax symbol (\*) is printed.
- ② Taxable amount is skipped.
- ③ "GST INCLUDED" is set to the TX1 descriptor.
- ④ "TAXABLE AMT" is set to the TA1 descriptor.
- ⑤ Total line is printed even in direct (cash) sale.
- ⑥ Australian rounding is set.
- ⑦ "\$" is set to the monetary symbol.
- ⑧ Print "MOF message" on receipt.
- ⑨ Tax (10% tax rate, add-in tax, fraction round off) is set to the tax table 1.  
No data is set to other tax tables.
- ⑩ The taxable amount and tax amount except TA1/TX1 are not printed on report.
- ⑪ Restriction (to 0, 5) on last amount digit of cash sales, received on account, paid out, and money declaration.



# Getting Started

## 8. Tax table programming (continued)

### 8-4. Programming U.S. tax tables

Before you can program a U.S. tax table, you must first calculate the program data.

The partial tax table shown below is for a tax rate of 6%. A tax amount is applied for each price range, which is defined by a low end minimum break point. If you subtract each maximum break point from the next lower maximum break point, you should soon be able to see certain patterns. In a cyclic pattern, the differences in maximum breakpoints form a regularly repeating cycle. A pattern which does not fit the cyclic pattern is called non-cyclic pattern.

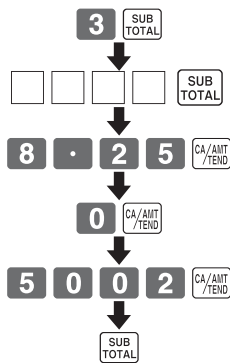
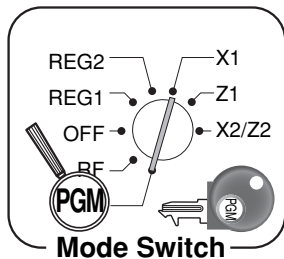
Though rate, it is conceivable that you can find that subtracting maximum breakpoints results in an one big non-cyclic pattern. In this case, you won't be able to use automatic tax calculation, and must enter the tax for each transaction manually or use a tax rate.

Example 1: Add-on rate tax

#### Programming procedure

Tax rate (2-digit for integer + 4- digit for decimal) .....	8.25%
Tax table maximum value ("0" means unlimited). .....	0 (no limitation)
Rounding/tax table system code .....	5002 (Round off)
Sum of a cyclic pattern .....	0
Number of values in each cyclic pattern .....	0
Number of values in each non-cyclic pattern .....	0
Actual value of difference of the non-cyclic and cyclic values .....	0

} No need to enter.



- Tax table 1 = 0 1 2 5
- Tax table 2 = 0 2 2 5
- Tax table 3 = 0 3 2 5

Tax rate (2-digit for integer + 4-digit for decimal)

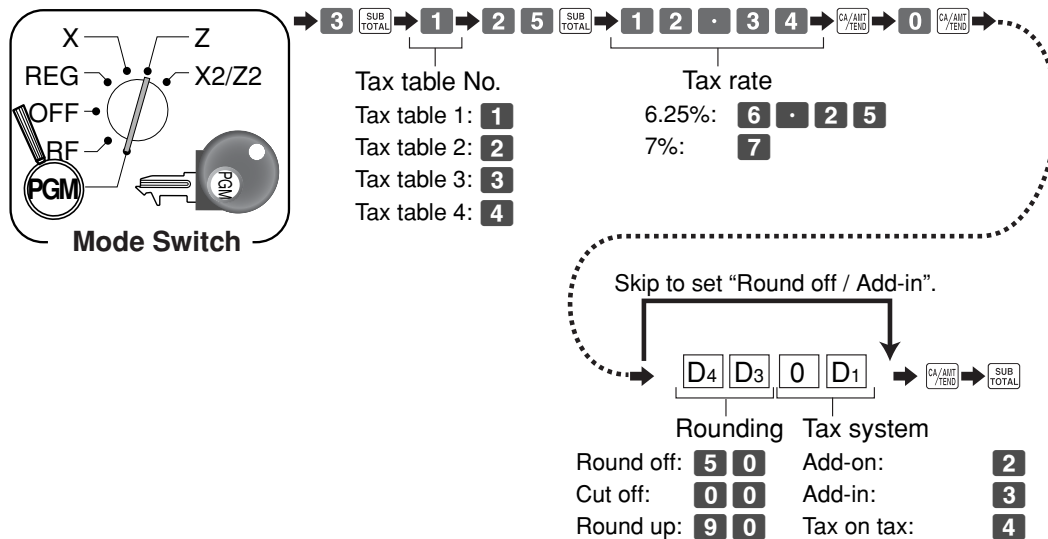
Tax table maximum value ("0" means unlimited).

Rounding/tax table system code

See Appendix (pages 129 - 130) for a programming with US tax table.

## 8. Tax table programming (continued)

### 8-5. Programming Canadian tax table



Alberta, North West Territory, Yukon Territory	
Tax table 1	6% 5002
Tax table 2	Non

British Columbia, Manitoba, Saskatchewan	
Tax table 1	6% 5002
Tax table 2	7% 5002

New Brunswick, Newfoundland & Labrador, Nova Scotia	
Tax table 1	14% 5002
Tax table 2	Non

Ontario	
Tax table 1	6% 5002
Tax table 2	8% 5002

Prince Edward Island	
Tax table 1	6% 5002
Tax table 2	10% 5002

Quebec	
Tax table 1	6% 5002
Tax table 2	7.5% 5002

Puerto Rico	
Tax table 1	7% 5002
Tax table 2	Non

As of April 2009

- **4 tax tables are used for the following purpose**

Table 1: Used for the federal taxable items.

Table 2: Used for the provincial taxable items.

Table 3 / 4: Used for the provincial taxable items for different tax table.

#### Important!

Be sure you use the federal sales tax data with your provincial sales tax data. Even if your province use the same tax rate as another province, inputting the wrong data will result incorrect tax calculations.

## ***Getting Started***

---

### **9. Department unit price programming**

Maximum 6-digit unit price can be set to the department.

Refer to page 39.

Tax calculation status can be set to the department.

Refer to page 40.

### **10. PLU unit price programming**

Maximum 6-digit unit price can be set to the PLU.

Refer to page 43.

Tax calculation status can be set to the PLU.

Refer to page 43.

### **11. Discount rate programming**

0.01 - 100.00% rate can be set to the Discount key.

Refer to page 47.

### **12. Issuing daily reset report**

After business hours, issue daily reset report.

Refer to page 58.

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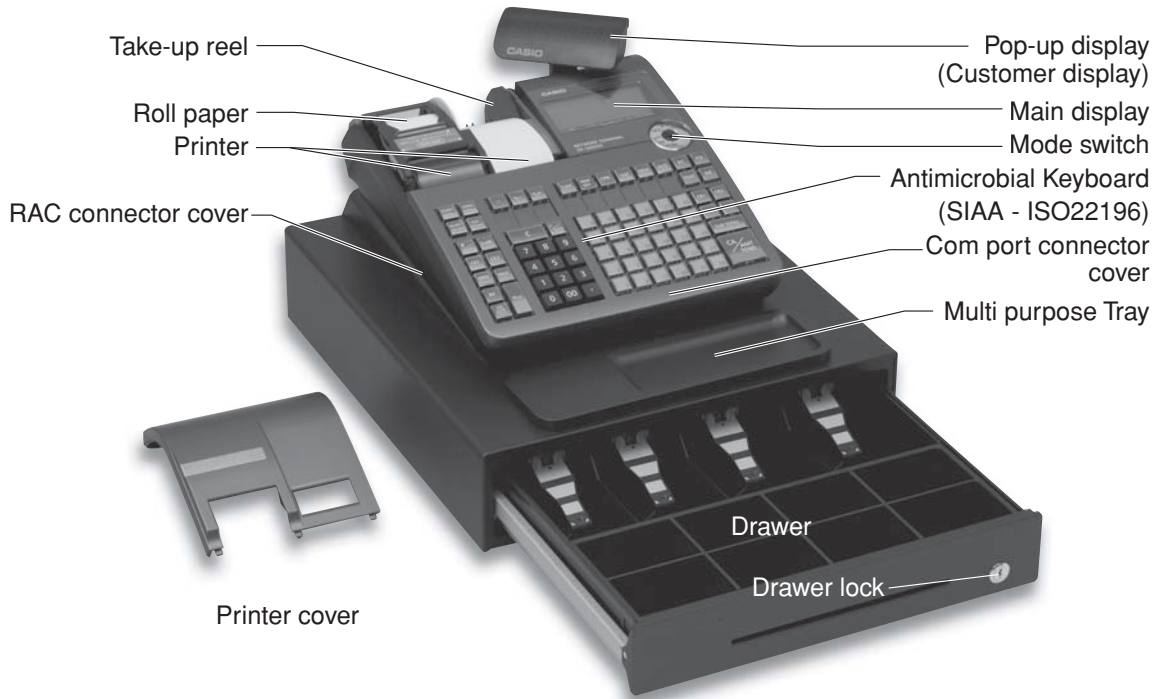
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# Introducing the Register

## General guide

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



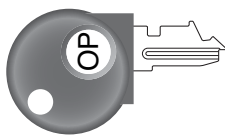
This is SE-S6000 (Stroke keyboard model) for Asia, Oceania and other countries.

### Roll paper

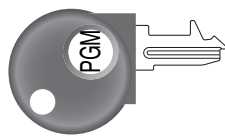
You can use the roll paper to print receipts and a journal (page 10, 11).

### Mode key

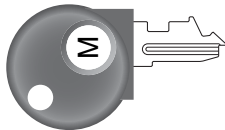
The following three types of mode keys are provided with the unit.



**a. OP (Operator) key**  
Switches between OFF and REG.



**c. PGM (Program) key**  
Switches to any position.



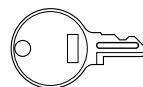
**b. M (Master) key**  
Switches between OFF, REG, X and RF.

### Drawer

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

### Drawer lock / Drawer key

Use the drawer key to lock and unlock the drawer.



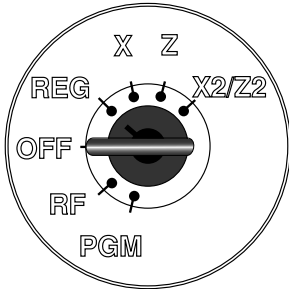
**Drawer key**

### Weld lines

Lines may be visible on the exterior of the product. These are "weld lines" that result from the plastic molding process. They are not cracks or scratches.

## Mode switch

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

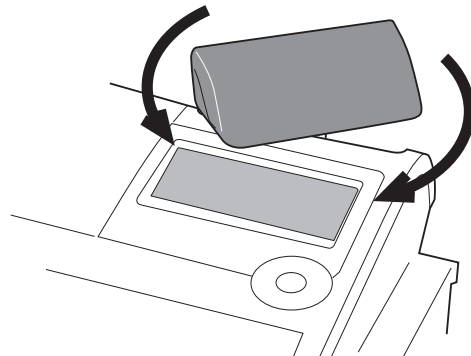
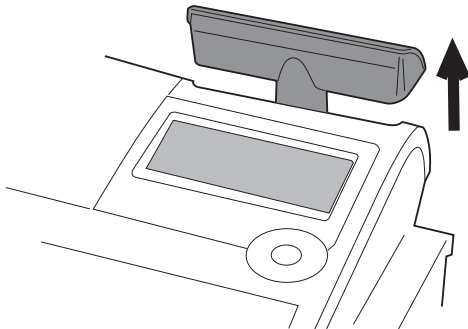


Mode Switch	Mode Name	Description
X2/Z2	Periodic sale	Used to obtain periodic sales reports without resetting total data or while resetting all total data.
Z	Read / reset Daily sales reset	Used to obtain daily reports while resetting (clearing) all total data.
X	Daily sales read	Used to obtain daily reports without resetting (clearing) all total data.
REG	Register	Used for normal registration.
OFF	Stand-by	Cash register standing by.
RF	Refund	Used for registering refund transaction.
PGM	Program	Used for cash register programming.

## How to set the Pop-up display

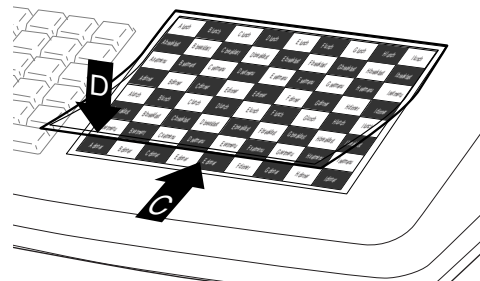
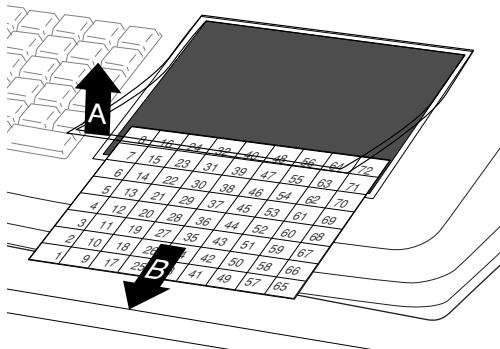
1. Lift the unit until it stops.

2. Rotate the unit.



## How to set the menu sheet (For SE-C6000 only)

1. Pull the sheet cover up and remove the old menu sheet. 2. Put the new menu sheet and replace the cover.



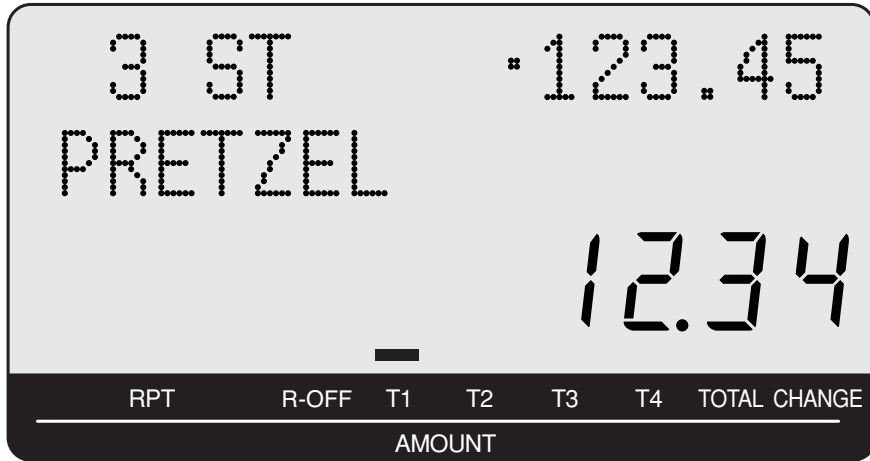
## ***Introducing the Register***

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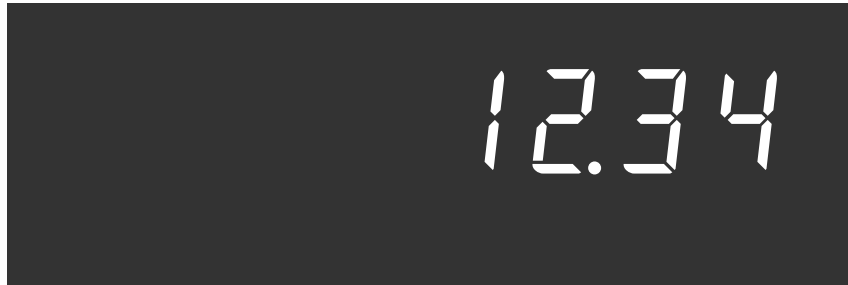
### **Display**

#### **Display panel**

##### **Main display**



##### **Customer display**

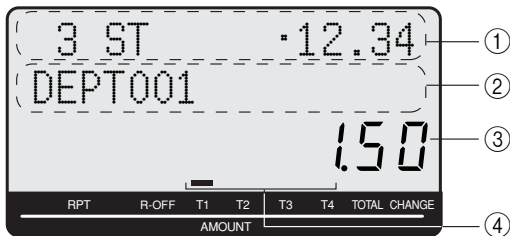


## Displays

### Main Display

(alphanumeric + numeric display)

#### Item registration (by department / PLU)

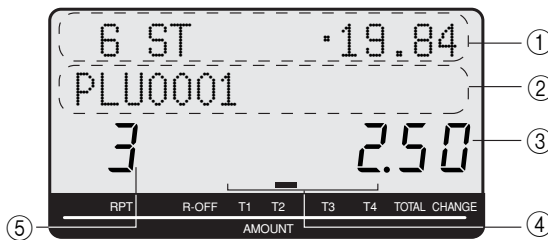


### Pop-up (customer) display

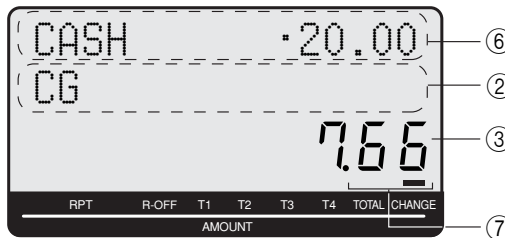
(numeric display)



#### Repeat registration



#### Totalize operation



#### ① Item count and subtotal

This part of the display shows item sold count and subtotal. Mode descriptor is also displayed here.

#### ② Item / Key / Change descriptor

When you register an item or key, the item / key / change descriptor appears here.

#### ③ Amount / Quantity

This part of the display shows monetary amounts. It also can be used to show the current time. (The current date is shown in the alphanumeric display.)

#### ④ Taxable sales status indicators

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

#### ⑤ Number of repeats

Anytime you perform a repeat registration (page 38, 45), 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 Tendered amount

When the tender operation is made, the entered value appears here.

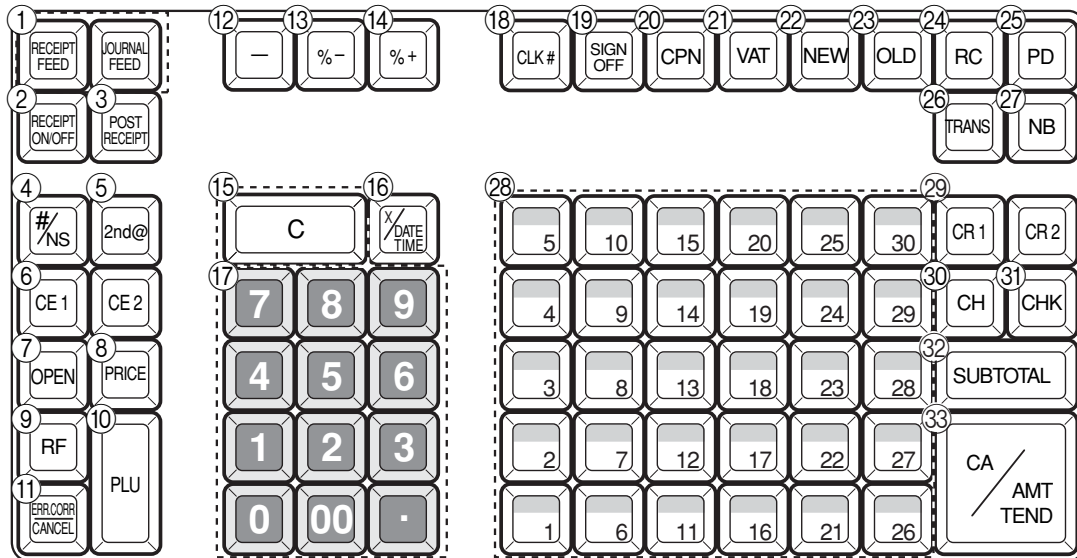
#### ⑦ Total / Change indicators

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.



# Introducing the Register

## Keyboard SE-S6000 for Asian, Oceania and other countries

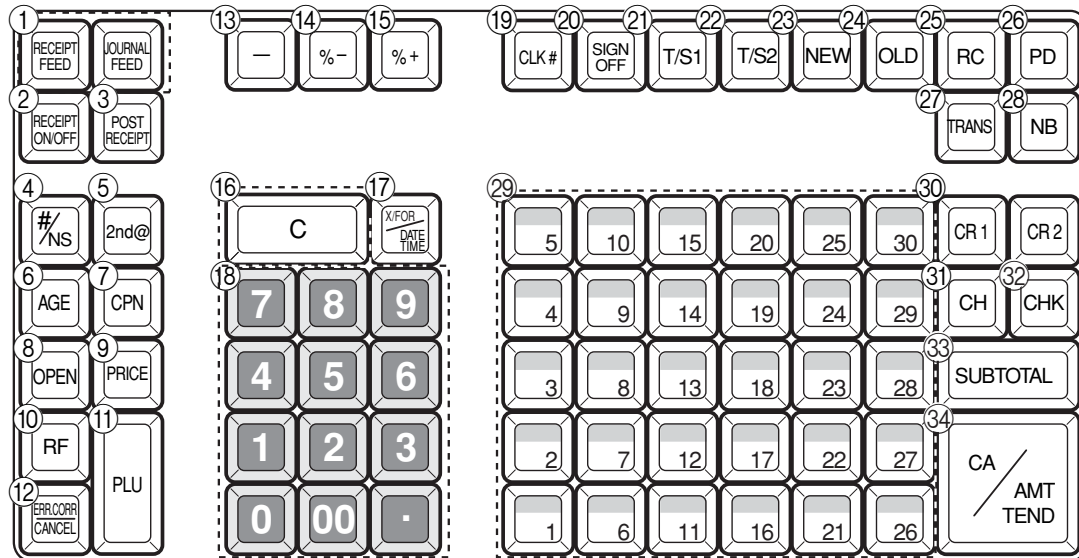


- ① **Paper feed key** Hold this key down to feed paper from the printer.
- ② **Receipt on / off key** Use this key twice to change the status "receipt issue" or "no receipt."
- ③ **Post receipt key** Use this key to produce a post-finalization receipt.
- ④ **Non-add / No sale key** Non-add key: Use this 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.
- ⑤ **Second price** Use this key to register PLU by 2nd unit price in the 2nd unit price file.
- ⑥ **Currency exchange key** Use this key for calculating subtotal amounts or paying amount due in foreign currency.
- ⑦ **Open key** Use this key to temporarily release a limitation on the number of digits that can be input for a unit price.
- ⑧ **Price key** Use this key to register unit prices for Open PLU.
- ⑨ **Refund key** Use this key to input refund amounts and void certain entries.
- ⑩ **PLU key** Use this key to input PLU numbers.
- ⑪ **Error correct / Cancel key** Use this key to correct the last item that was registered and to cancel registration of entire transactions.
- ⑫ **Reduction (minus) key** Use this key to input values for reduction.
- ⑬ **Discount key** Use this key to register discounts.
- ⑭ **Premium key** Use this key to register premiums.
- ⑮ **Clear key** Use this key to clear an entry that has not yet been registered.
- ⑯ **Multiplication / Date / Time key** Use this key to input a quantity for a multiplication. Between transactions, this key displays the current time and date.
- ⑰ **Ten key pad** Use these keys to input numbers.
- ⑱ **Clerk number key** Use this key to sign clerk on and off the register.
- ⑲ **Sign off key** Use this key to sign clerk off the register.
- ⑳ **Coupon key** Use this key to register coupons.


















- 
- ⑳ **VAT key** VAT  
Use this key to print a VAT breakdown.
- ㉑ **New check key** NEW  
Use this key in a check tracking system to input a new check number in order to open a new check under that number.
- ㉒ **Old check key** OLD  
Use this key in a check tracking system to input the number of an existing check (previously created by the New check key) which details are stored in the check tracking memory. Existing checks are reopened to perform further registration or to finalize them.
- ㉓ **Received on account key** RC  
Use this key following a numeric entry to register money received for non-sale transactions.
- ㉔ **Paid out key** PD  
Use this key following a numeric entry to register money paid out from the drawer.
- ㉕ **Table transfer key** TRANS  
Use this key in a check tracking system to transfer one check to the other. If a specified check number is already existed, then the contains of the transferred check are added into the existed check. If a specified check number is not existed, then a check number is overwritten by a specified number.
- ㉖ **New balance key** NB  
Use this key for adding the latest registered total amount to the previous balance to obtain a new balance.
- ㉗ **Department keys** 1, 2, ~  
Use these keys to register items to departments.
- ㉘ **Credit key** CR1 CR2  
Use this key to register a credit sale.
- ㉙ **Charge key** CH  
Use this key to register a charge sale.
- ㉚ **Check key** CHK  
Use this key to register a check tender.
- ㉛ **Subtotal key** SUB  
TOTAL  
Use this key to display and print the current subtotal (includes add-on tax) amount.
- ㉜ **Cash amount tendered key** CA/AMT  
TEND  
Use this key to register a cash sale.

# Introducing the Register

## Keyboard SE-S6000 for US and Canada

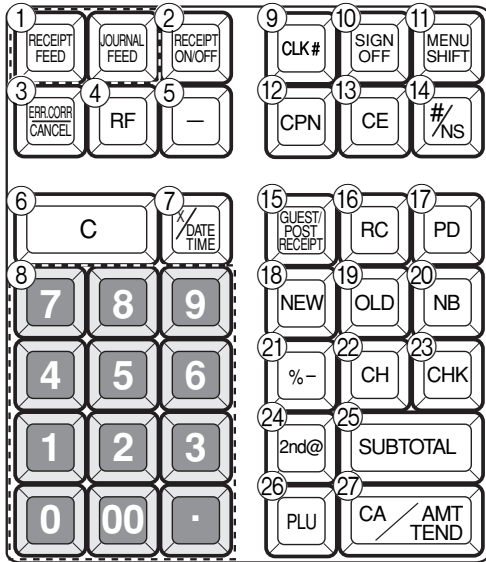


- ① **Paper feed key** Hold this key down to feed paper from the printer.
- ② **Receipt on / off key** Use this key twice to change the status "receipt issue" or "no receipt."
- ③ **Post receipt key** Use this key to produce a post-finalization receipt.
- ④ **Non-add / No sale key** Non-add key: Use this 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.
- ⑤ **Second price key** Use this key to register PLU by 2nd unit price in the 2nd unit price file.
- ⑥ **Age verification key** Use this key to enter the birth date of the customer for age verification.
- ⑦ **Coupon key** Use this key to register coupons.
- ⑧ **Open key** Use this key to temporarily release a limitation on the number of digits that can be input for a unit price.
- ⑨ **Price key** Use this key to register unit prices for Open PLU.
- ⑩ **Refund key** Use this key to input refund amounts and void certain entries.
- ⑪ **PLU key** Use this key to input PLU numbers.
- ⑫ **Error correct / Cancel key** Use this key to correct the last item that was registered and to cancel registration of entire transactions.
- ⑬ **Reduction (minus) key** Use this key to input values for reduction.
- ⑭ **Discount key** Use this key to register discounts.
- ⑮ **Premium key** Use this key to register premiums.
- ⑯ **Clear key** Use this key to clear an entry that has not yet been registered.
- ⑰ **Multiplication / For / Date / Time key** Use this key to input a quantity for a multiplication and registration of split sales of packaged items. Between transactions, this key displays the current time and date.
- ⑱ **Ten key pad** Use these keys to input numbers.
- ⑲ **Clerk number key** Use this key to sign clerk on and off the register.

- 
- ⑳ **Sign off key**  Use this key to sign clerk off the register.
- ㉑ **Tax shift 1 key**  Use this key without a numeric entry to change the Taxable 1 status of the next item.
- ㉒ **Tax shift 2 key**  Use this key without a numeric entry to change the Taxable 2 status of the next item.
- ㉓ **New check key**  Use this key in a check tracking system to input a new check number in order to open a new check under that number.
- ㉔ **Old check key**  Use this key in a check tracking system to input the number of an existing check (previously created by the New check key) which details are stored in the check tracking memory. Existing checks are reopened to perform further registration or to finalize them.
- ㉕ **Received on account key**  Use this key following a numeric entry to register money received for non-sale transactions.
- ㉖ **Paid out key**  Use this key following a numeric entry to register money paid out from the drawer.
- ㉗ **Table transfer key**  Use this key in a check tracking system to transfer one check to the other. If a specified check number is already existed, then the contains of the transferred check are added into the existed check. If a specified check number is not existed, then a check number is overwritten by a specified number.
- ㉘ **New balance key**  Use this key for adding the latest registered total amount to the previous balance to obtain a new balance.
- ㉙ **Department keys** , , ~ Use these keys to register items to departments.
- ㉚ **Credit key**   Use this key to register a credit sale.
- ㉛ **Charge key**  Use this key to register a charge sale.
- ㉜ **Check key**  Use this key to register a check tender.
- ㉝ **Subtotal key**  Use this key to display and print the current subtotal (includes add-on tax) amount.
- ㉞ **Cash amount tendered key**  Use this key to register a cash sale.

# Introducing the Register

## Keyboard SE-C6000 for Asian, Oceania and other countries



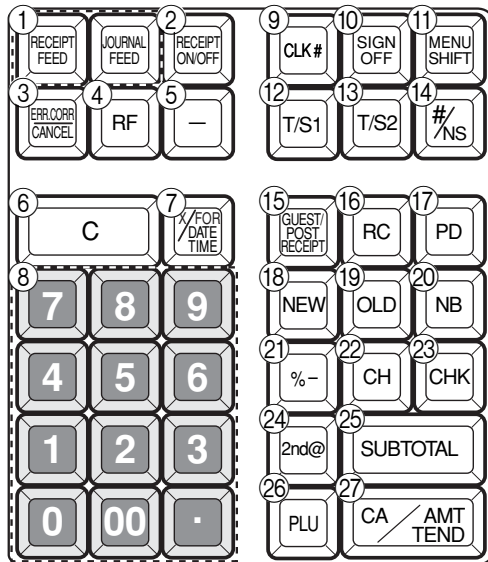
8	16	24	32	40	48	56	64	72
7	15	23	31	39	47	55	63	71
6	14	22	30	38	46	54	62	70
5	13	21	29	37	45	53	61	69
4	12	20	28	36	44	52	60	68
3	11	19	27	35	43	51	59	67
2	10	18	26	34	42	50	58	66
1	9	17	25	33	41	49	57	65

- ① **Paper feed key** Hold this key down to feed paper from the printer.
- ② **Receipt on / off key** Use this key twice to change the status “receipt issue” or “no receipt.”
- ③ **Error correct / Cancel key** Use this key to correct the last item that was registered and to cancel registration of entire transactions.
- ④ **Refund key** Use this key to input refund amounts and void certain entries.
- ⑤ **Reduction (minus) key** Use this key to input values for reduction.
- ⑥ **Clear key** Use this key to clear an entry that has not yet been registered.
- ⑦ **Multiplication / Date / Time key** Use this key to input a quantity for a multiplication. Between transactions, this key displays the current time and date.
- ⑧ **Ten key pad** Use these keys to input numbers.
- ⑨ **Clerk number key** Use this key to sign clerk on and off the register.
- ⑩ **Sign off key** Use this key to sign clerk off the register.
- ⑪ **Menu shift key** Use this key to shift flat PLU keys to 1st ~ 6th menu.
- ⑫ **Coupon key** Use this key to register coupons.
- ⑬ **Currency exchange key** Use this key for calculating subtotal amounts or paying amount due in foreign currency.
- ⑭ **Non-add / No sale key** Non-add key: Use this 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.
- ⑮ **Guest / Post receipt key** Use this key to produce a guest or post-finalization receipt.
- ⑯ **Received on account key** Use this key following a numeric entry to register money received for non-sale transactions.
- ⑰ **Paid out key** Use this key following a numeric entry to register money paid out from the drawer.
- ⑱ **New check key** Use this key in a check tracking system to input a new check number in order to open a new check under that number.

- 
- ⑲ **Old check key** OLD  
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.
- ⑳ **New balance key** NB  
Use this key for adding the latest registered total amount to the previous balance to obtain a new balance.
- ㉑ **Discount key** %-  
Use this key to register discounts.
- ㉒ **Charge key** CH  
Use this key to register a charge sale.
- ㉓ **Check key** CHK  
Use this key to register a check tender.
- ㉔ **Second price key** 2nd@  
Use this key to register PLU by 2nd unit price in the 2nd unit price file.
- ㉕ **Subtotal key** SUB  
TOTAL  
Use this key to display and print the current subtotal (includes add-on tax) amount.
- ㉖ **PLU key** PLU  
Use this key to input PLU numbers.
- ㉗ **Cash amount tendered key** CA/AMT  
TEND  
Use this key to register a cash sale.
- ㉘ **Flat PLU keys** 0001, 0002, ~  
Use these keys to register items to flat PLUs.

# Introducing the Register

## Keyboard SE-C6000 for US and Canada



8	16	24	32	40	48	56	64	72
7	15	23	31	39	47	55	63	71
6	14	22	30	38	46	54	62	70
5	13	21	29	37	45	53	61	69
4	12	20	28	36	44	52	60	68
3	11	19	27	35	43	51	59	67
2	10	18	26	34	42	50	58	66
1	9	17	25	33	41	49	57	65

- ① **Paper feed key** Hold this key down to feed paper from the printer.
- ② **Receipt on / off key** Use this key twice to change the status “receipt issue” or “no receipt.”
- ③ **Error correct / Cancel key** Use this key to the last item that was registered and to cancel registration of entire transactions.
- ④ **Refund key** Use this key to input refund amounts and void certain entries.
- ⑤ **Reduction (minus) key** Use this key to input values for reduction.
- ⑥ **Clear key** Use this key to clear an entry that has not yet been registered.
- ⑦ **Multiplication / For / Date / Time key** Use this key to input a quantity for a multiplication and registration of split sales of packaged items. Between transactions, this key displays the current time and date.
- ⑧ **Ten key pad** Use these keys to input numbers.
- ⑨ **Clerk number key** Use this key to sign clerk on and off the register.
- ⑩ **Sign off key** Use this key to sign clerk off the register.
- ⑪ **Menu shift key** Use this key to shift flat PLU keys to 1st ~ 6th menu.
- ⑫ **Tax shift 1 key** Use this key without a numeric entry to change the Taxable 1 status of the next item.
- ⑬ **Tax shift 2 key** Use this key without a numeric entry to change the Taxable 2 status of the next item.
- ⑭ **Non-add / No sale key** Non-add key: Use this 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.
- ⑮ **Guest / Post receipt key** Use this key to produce a guest or post-finalization receipt.
- ⑯ **Received on account key** Use this key following a numeric entry to register money received for non-sale transactions.
- ⑰ **Paid out key** Use this key following a numeric entry to register money paid out from the drawer.
- ⑱ **New check key** Use this key in a check tracking system to input a new check number in order to open a new check under that number.

- 
- ⑲ **Old check key** OLD  
Use this key in a check tracking system to input the number of an existing check (previously created by the New check key) which details are stored in the check tracking memory.
- ⑳ **New balance key** NB  
Use this key for adding the latest registered total amount to the previous balance to obtain a new balance.
- ㉑ **Discount key** %-  
Use this key to register discounts.
- ㉒ **Charge key** CH  
Use this key to register a charge sale.
- ㉓ **Check key** CHK  
Use this key to register a check tender.
- ㉔ **Second price key** 2nd@  
Use this key to register PLU by 2nd unit price in the 2nd unit price file.
- ㉕ **Subtotal key** SUB  
TOTAL  
Use this key to display and print the current subtotal (includes add-on tax) amount.
- ㉖ **PLU key** PLU  
Use this key to input PLU numbers.
- ㉗ **Cash amount tendered key** CA/AMT  
/TEND  
Use this key to register a cash sale.
- ㉘ **Flat PLU keys** 0001, 0002, ~  
Use these keys to register items to flat PLUs.



# Introducing the Register

---

## 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

Invalidate 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 in a check tracking system to transfer check (s) between clerks. If one clerk has some checks at the end of shift, then he / she could transfer all checks to the other who still in the shift.

### 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.

### ENT

Use this key to input and output numeric key entry in an arrangement sequence.

### Loan

This key is used 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.

### Media change

Use this key to change media in drawer amount. Pressing this key enters media change operation.

### Merchandise subtotal

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

### Multiplication / For

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.

### 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 KETTEN BON (small voucher) order to normal order or change single item to normal item in a transaction.

### OBR (Optical barcode reader)

Use this key to input optical barcodes manually.

### 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 X/Z

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

### OPE#

Use this key to specify a clerk who receive transferred check (s) in clerk transfer operation.

### Pick up

When the amount in drawer exceeds the limit value (ex. 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.

---

**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**

Use this key to register unit prices for Open PLU.

**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.

**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.

**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 enter an item weight manually. It does not work if an item on a scale.

**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.

**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 enter a tare weight. It works with a scale.

**Tax exempt**

Use this key to change taxable amounts to nontaxable amounts.

**Tax status shift 1**

Use this key to change the Taxable 1 status of the next item.

**Tax status shift 2**

Use this key to change the Taxable 2 status of the next item.

**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 enter an unit weight of item. It works with a scale.

**Validation**

Use this key to validate transaction amounts on slip.

**Void**

Use this key to invalidate preceding item data registered.

**X / KETTEN**

Use this key to issue BON (s) (small vouchers) when an item is registered.

**For US only****Electronic benefit transfer**

Use this key to register an EBT amount with a tender amount input.

**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.

**Manual tax**

Use this key to register a tax amount.

# Basic Operations and Setups

## 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**

```

*****
*   THANK YOU   *
*   CALL AGAIN  *
*****
* COMMERCIAL MESSAGE *
* COMMERCIAL MESSAGE *
* COMMERCIAL MESSAGE *
* COMMERCIAL MESSAGE *

REG 18-06-2010 11:58
C01 MC#01 000123

1 DEPT01 T1 .1.00
1 DEPT02 T1 .2.00
5 DEPT03 .5.00

7 No

TA1 .3.00
TX1 .0.15
TL -8.15
CASH .10.00
CG .1.85

*** BOTTOM MESSAGE ***
*** BOTTOM MESSAGE ***
*** BOTTOM MESSAGE ***
*** BOTTOM MESSAGE ***
    
```

Logo message

Commercial message

Mode / Date / Time  
Clerk / Machine No.  
Consecutive No.

Q'ty / Item

Item counter

Bottom message

**Journal Sample  
(Item lines Included)**

```

REG 18-06-2010 11:58
C01 MC#01 000123
1 DEPT01 T1 .1.00
1 DEPT02 T1 .2.00
5 DEPT03 .5.00

7 No

TA1 .3.00
TX1 .0.15
TL -8.15
CASH .10.00
CG .1.85

REG 18-06-2010 11:59
C01 MC#01 000124
1 DEPT01 T1 .1.00
1 DEPT12 T1 .1.00
5 DEPT03 .6.00

7 No

TA1 .2.00
TX1 .0.10
TL -8.10
CASH .10.00
CG .1.90

REG 18-06-2010 11:59
C01 MC#01 000124
    
```

**Journal Sample  
(by half height character)**

```

REG 18-06-2010 11:58
C01 MC#01 000123
1 DEPT01 T1 .1.00
1 DEPT02 T1 .2.00
5 DEPT03 .5.00

7 No

TA1 .3.00
TX1 .0.15
TL -8.15
CASH .10.00
CG .1.85

REG 18-06-2010 11:59
C01 MC#01 000124
1 DEPT01 T1 .1.00
1 DEPT12 T1 .1.00
5 DEPT03 .6.00

7 No

TA1 .2.00
TX1 .0.10
TL -8.10
CASH .10.00
CG .1.90

REG 18-06-2010 11:59
C01 MC#01 000125
    
```

*In the operation examples contained in this manual, the print samples are not actual size. Actual receipts are 58 mm wide. Also, all sample receipts and journals are printout images.*

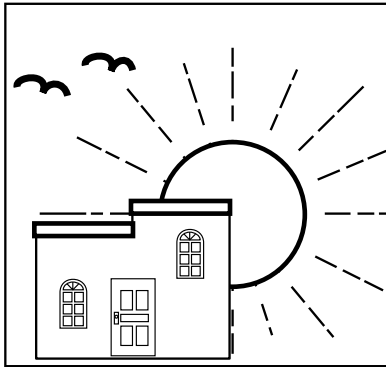
---

## 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...

---

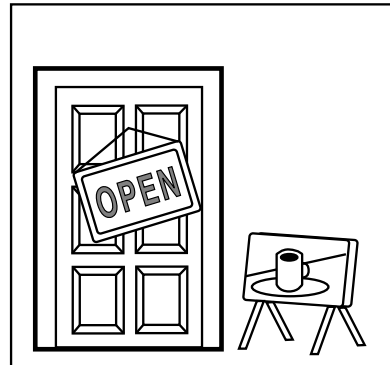


- Check to make sure that the cash register is plugged in securely. Page 12
- Check to make sure there is enough paper left on the roll. Pages 10, 11
- Read the financial totals to confirm that they are all zero. Page 111, 112
- Check the date and time. Page 37

### DURING BUSINESS HOURS...

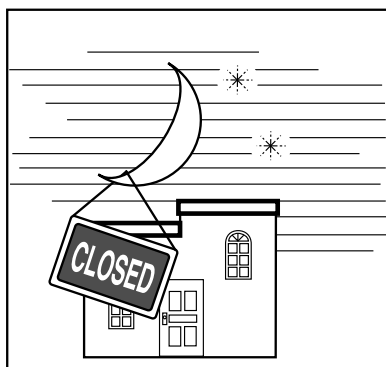
---

- Register transactions. Page 42
- Periodically read totals. Page 115



### AFTER BUSINESS HOURS...

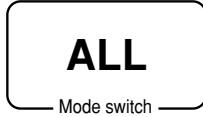
---



- Reset the daily totals. Page 57, 58
- Remove the journal. Page 126
- Empty the cash drawer and leave it open.
- Take the cash and journal to the office.

# Basic Operations and Setups

## Assigning a clerk

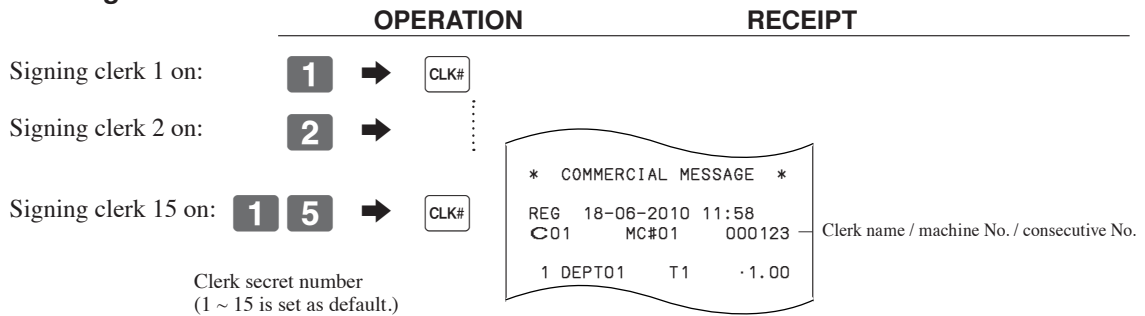


You can assign clerks by using clerk button or by clerk secret number.  
The method you of assigning clerk depends on the programming of your cash register.

### Clerk 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



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

#### Clerk sign off

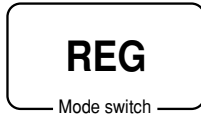


- The current clerk is also signed off whenever you set the mode switch to OFF position, or enter **0** .

### 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



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
<p>Date / time appears on the display.</p>	
<p>Clears the date / time display.</p>	

## Preparing coins for change



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 55.)

### Opening the drawer without a sale

OPERATION	RECEIPT

# Basic Operations and Setups

## Preparing and using department / flat-PLU keys

### Registering department / flat-PLU keys

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



### Single item sale Example 1

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

**1 00**  
Unit price

**1**  
Department

CA/AMT  
TEND

1 DEPT01	.1.00	Department No. / unit price Total amount
TL	- 1.00	
CASH	.1.00	

### Example 2 (Subtotal registration and change computation)

Item	Unit price	\$12.34
	Quantity	1
	Flat-PLU	1
Payment	Cash	\$20.00

**1 2 3 4**  
Unit price

**001**  
Flat-PLU

SUB  
TOTAL

**2 0 00** CA/AMT  
TEND

Amount tendered

1 PLU001	.12.34	Total amount Amount tendered Change
TL	- 12.34	
CASH	.20.00	
CG	.7.66	

### Repeat

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

**1 5 0 1**

**1**

**1**

SUB  
TOTAL

**1 0 00** CA/AMT  
TEND

1 DEPT01	.1.50	Repeat
1 DEPT01	.1.50	
1 DEPT01	.1.50	Repeat
TL	- 4.50	
CASH	.10.00	
CG	.5.50	

### Multiplication

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

**OPERATION**

1 2 X

Quantity  
(4-digit integer / 3-digit decimal)

1 00 001

SUB TOTAL

2 0 00 CA/AMT /TEND

**RECEIPT**

12 PLU0001	. 12.00	Quantity / result or
12 PLU0001	@1/ 1.00	Quantity / unit q'ty / @
	. 12.00	Result
TL	- 12.00	
CASH	. 20.00	
CG	. 8.00	

### Split sales of packaged items

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

**OPERATION**

3 X/FOR /DATE /TIME

Quantity being purchased  
(4-digit integer / 3-digit decimal)

4 X/FOR /DATE /TIME

Package quantity  
(4-digit integer / 3-digit decimal)

1 0 00 1

Package price

SUB TOTAL

1 0 00 CA/AMT /TEND

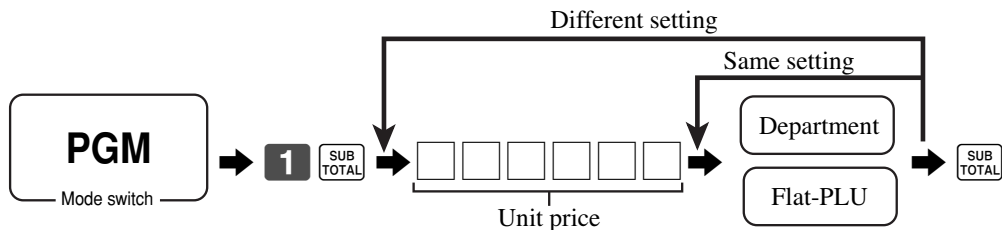
**RECEIPT**

3 DEPT01	. 7.50	Quantity / result or
3 DEPT01	@4/ 10.00	Quantity / unit q'ty / @
	. 7.50	Result
TL	- 7.50	
CASH	. 10.00	
CG	. 2.50	

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

### Programming department / flat-PLU keys

To program a unit price for each department / flat-PLU



### To program the tax calculation status for each department / flat-PLU

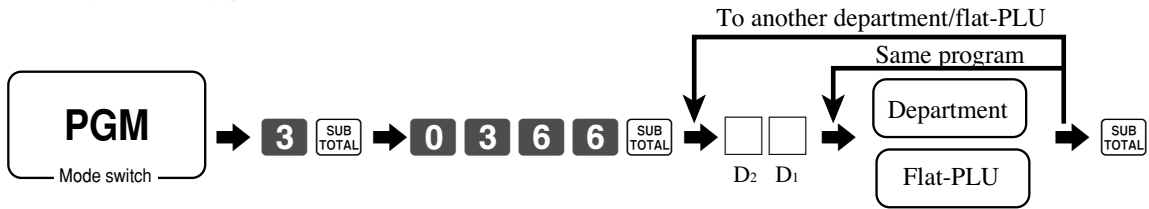
#### Tax calculation status

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



# Basic Operations and Setups

## Programming procedure



Description	Choice	Program code
-------------	--------	--------------

for Singapore

Always "0"		<input type="text" value="0"/> D <sub>2</sub>
Taxable 1 status	a	Yes = 1 No = 0 a+b+c <input type="text"/> D <sub>1</sub>
Taxable 2 status	b	
Taxable 3 status	c	
Taxable 1 status	a	Yes = 1 No = 0
Taxable 2 status	b	Yes = 2 No = 0
Taxable 3 status	c	Yes = 4 No = 0

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	<input type="text"/> <input type="text"/> D <sub>2</sub> D <sub>1</sub>
--	--	---	---------------------	---

Description	Choice	Program code
-------------	--------	--------------

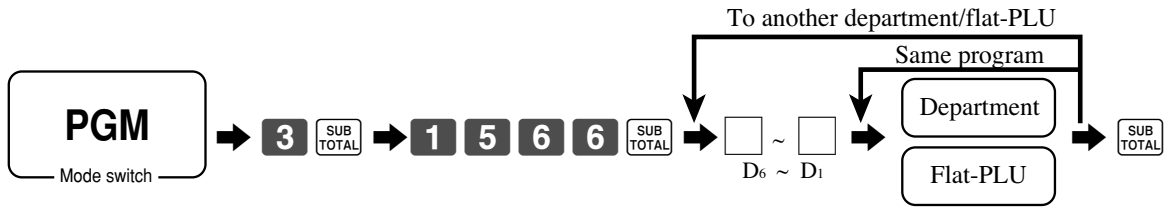
for the U.S.

Food stamp		Yes = 1 No = 0	<input type="text"/> D <sub>2</sub>
Taxable 1 status	a	Yes = 1 No = 0	a+b+c <input type="text"/> D <sub>1</sub>
Taxable 2 status	b	Yes = 2 No = 0	
Taxable 3 status	c	Yes = 4 No = 0	

for Canada

Donuts status		Yes = 1 No = 0	<input type="text"/> D <sub>2</sub>	
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	<input type="text"/> D <sub>1</sub>

**To program high amount limit for each department / flat-PLU**  
**Programming procedure**



Description	Choice	Program code
High amount limit for entering unit price manually.	Significant numbers	<input type="text"/> ~ <input type="text"/> D <sub>6</sub> ~ D <sub>1</sub>

# Basic Operations and Setups

## Registering department / flat-PLU keys by programming data



### Preset price

OPERATION			RECEIPT								
Item	Unit price	(\$1.00) <sub>preset</sub>	<b>2</b>	<table border="1"> <tr> <td>1 DEPT02</td> <td>· 1.00</td> <td rowspan="3">Department No. / unit price</td> </tr> <tr> <td>TL</td> <td>- 1.00</td> </tr> <tr> <td>CASH</td> <td>· 1.00</td> </tr> </table>	1 DEPT02	· 1.00	Department No. / unit price	TL	- 1.00	CASH	· 1.00
1 DEPT02	· 1.00	Department No. / unit price									
TL	- 1.00										
CASH	· 1.00										
	Quantity	1	CA / AMT / TEND								
	Dept.	2									
Payment	Cash	\$1.00									

### Preset tax status

OPERATION			RECEIPT																																				
Item 1	Unit price	(\$2.00) <sub>preset</sub>	<b>5</b> <b>X</b>	<table border="1"> <tr> <td>5 DEPT03</td> <td>T1</td> <td>· 10.00</td> <td rowspan="2">Tax status</td> </tr> <tr> <td>1 DEPT04</td> <td>T2</td> <td>· 2.00</td> </tr> <tr> <td>TA1</td> <td></td> <td>· 10.00</td> <td>Taxable Amount 1</td> </tr> <tr> <td>TX1</td> <td></td> <td>· 0.40</td> <td>Tax 1</td> </tr> <tr> <td>TA2</td> <td></td> <td>· 2.00</td> <td>Taxable Amount 2</td> </tr> <tr> <td>TX2</td> <td></td> <td>· 0.20</td> <td>Tax 2</td> </tr> <tr> <td>TL</td> <td></td> <td>- 12.60</td> <td></td> </tr> <tr> <td>CASH</td> <td></td> <td>· 20.00</td> <td></td> </tr> <tr> <td>CG</td> <td></td> <td>· 7.40</td> <td></td> </tr> </table>	5 DEPT03	T1	· 10.00	Tax status	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	
5 DEPT03	T1	· 10.00	Tax status																																				
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																																					
	Quantity	5	<b>3</b>																																				
	Dept.	3	<b>4</b>																																				
	Taxable	(1) <sub>preset</sub>	SUB TOTAL																																				
Item 2	Unit price	(\$2.00) <sub>preset</sub>	<b>2</b> <b>0</b> <b>00</b>																																				
	Quantity	1	CA / AMT / TEND																																				
	Dept.	4																																					
	Taxable	(1) <sub>preset</sub>																																					
Payment	Cash	\$20.00																																					

### Locking out high amount limitation

OPERATION			RECEIPT									
Item	Unit price	\$1.05	<b>1</b> <b>0</b> <b>5</b> <b>0</b> <b>3</b>	<table border="1"> <tr> <td>1 DEPT03</td> <td>· 1.05</td> </tr> <tr> <td>TL</td> <td>- 1.05</td> </tr> <tr> <td>CASH</td> <td>· 2.00</td> </tr> <tr> <td>CG</td> <td>· 0.95</td> </tr> </table>	1 DEPT03	· 1.05	TL	- 1.05	CASH	· 2.00	CG	· 0.95
1 DEPT03	· 1.05											
TL	- 1.05											
CASH	· 2.00											
CG	· 0.95											
	Quantity	1	<b>C</b>									
	Dept.	3	<b>1</b> <b>0</b> <b>5</b> <b>3</b>									
	Max.amount	(\$10.00) <sub>preset</sub>	SUB TOTAL									
Payment	Cash	\$2.00	<b>2</b> <b>00</b>									
			CA / AMT / TEND									

**ERROR ALARM**  
(Exceeding high amount)

# Preparing and using PLUs

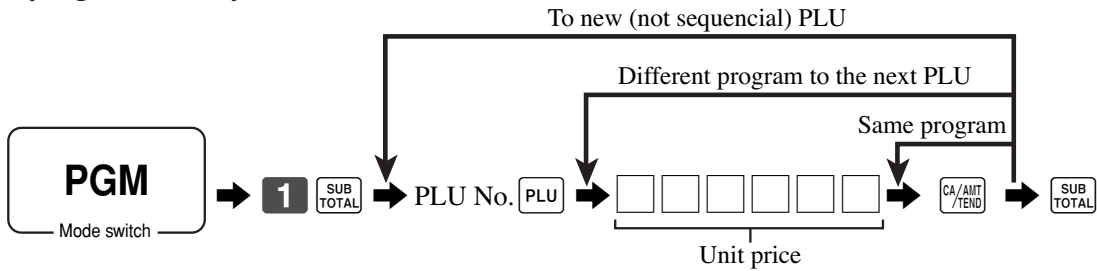
This section describes how to prepare and use PLUs.

## CAUTION:

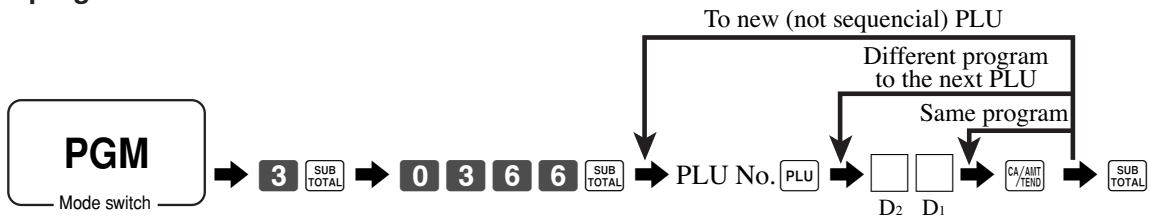
Before you use PLUs, you must first program the unit price and tax status.

### Programming PLUs

#### To program a unit price for each PLU



#### To program tax calculation status for each PLU



Description	Choice	Program code
-------------	--------	--------------

for Singapore

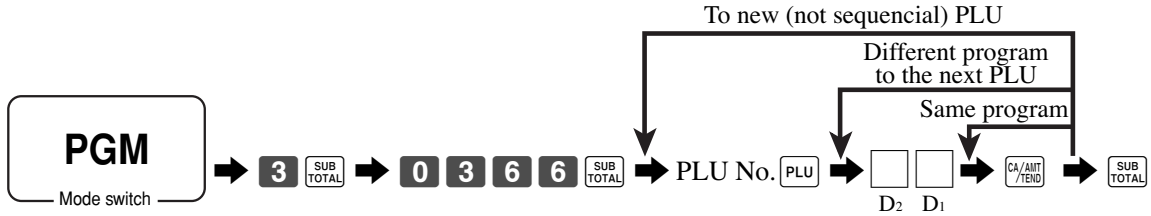
Always "0"		<input type="text" value="0"/> D <sub>2</sub>
Taxable 1 status	a	a+b+c <input type="text"/> D <sub>1</sub>
Taxable 2 status	b	
Taxable 3 status	c	

for other area

Non tax = 0	Taxable 4 = 4	Taxable 8 = 8	Significant numbers	<input type="text"/> <input type="text"/> D <sub>2</sub> D <sub>1</sub>
Taxable 1 = 1	Taxable 5 = 5	Taxable 9 = 9		
Taxable 2 = 2	Taxable 6 = 6	Taxable 10 = 10		
Taxable 3 = 3	Taxable 7 = 7			

# Basic Operations and Setups

To program tax calculation status for each PLU



Description	Choice	Program code
-------------	--------	--------------

for the U.S.

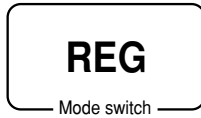
Food stamp	Yes = 1 No = 0	<input type="checkbox"/> D <sub>2</sub>
Taxable 1 status	a Yes = 1 No = 0	a+b+c <input type="checkbox"/> D <sub>1</sub>
Taxable 2 status	b Yes = 2 No = 0	
Taxable 3 status	c Yes = 4 No = 0	

for Canada

Donuts status	Yes = 1 No = 0	<input type="checkbox"/> D <sub>2</sub>
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		<input type="checkbox"/> D <sub>1</sub>

## Registering PLUs

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



### PLU single item sale

Item	Unit price	(\$2.50) <sub>preset</sub>
	Quantity	1
	PLU	14
Payment	Cash	\$3.00

**1 4**  
PLU code

PLU

SUB TOTAL

**3 00** CA/AMT/TEND

1 PLU0014	·2.50	PLU No. / unit price
TL	- 2.50	
CASH	·3.00	
CG	·0.50	

### PLU repeat

Item	Unit price	(\$2.50) <sub>preset</sub>
	Quantity	3
	PLU	14
Payment	Cash	\$10.00

**1 4** PLU

PLU

PLU

SUB TOTAL

**1 0 00** CA/AMT/TEND

1 PLU0014	·2.50	
1 PLU0014	·2.50	
1 PLU0014	·2.50	
TL	- 7.50	
CASH	·10.00	
CG	·2.50	

### PLU multiplication

Item	Unit price	(\$2.00) <sub>preset</sub>
	Quantity	10
	PLU	7
Payment	Cash	\$20.00

**1 0 x**  
Quantity  
(4-digit integer / 3-digit decimal)

**7** PLU

SUB TOTAL

**2 0 00** CA/AMT/TEND

10 PLU0007	·20.00	Quantity / result or Quantity / unit q'ty / @ Result
10 PLU0007	@1/ 2.00	
PLU0007	·20.00	
TL	- 20.00	
CASH	·20.00	
CG	·0.00	

# Basic Operations and Setups

## Split sales of packaged item

OPERATION			RECEIPT
Item	Unit price	(5 for \$20.00) <small>preset</small>	
	Quantity	3	
	PLU	28	
Payment	Cash	\$15.00	

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

5 X/FOR  
DATE  
TIME  
 Package quantity  
 (4-digit integer / 3-digit decimal)

2 8 PLU

SUB  
TOTAL

1 5 00 CA/AMT  
TEND

3 PLU0028	· 12.00	
3	@5/ 20.00	
PLU0028	· 12.00	Quantity / result or Quantity / unit q'ty / @ Result
TL	· 12.00	
CASH	· 15.00	
CG	· 3.00	

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

## Open PLU

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

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

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

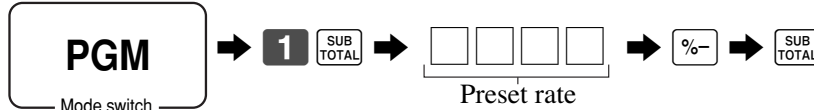
- Before registering an open PLU, it is necessary to preset it as an open PLU.

# Preparing and using discounts

This section describes how to prepare and register discounts.

## Programming discounts

To program a rate to the  $\boxed{\% -}$  key



Example:

- 10%  $\Rightarrow$  **1 0**
- 5.5%  $\Rightarrow$  **5 . 5**
- 12.34%  $\Rightarrow$  **1 2 . 3 4**

## Registering discounts



The following example shows how you can use the  $\boxed{\% -}$  key in various types of registration.

### Discount for items and subtotals

OPERATION			RECEIPT		
Item 1	Dept. 1	\$5.00	<b>5 00</b>	<b>1</b>	
	Quantity	1	<b>1 6</b>	PLU	1 DEPT01 T1 .5.00
	Taxable	(1) <sub>preset</sub>	$\boxed{\% -}$		1 PLU0016 T2 .10.00
Item 2	PLU 16	(\$10.00) <sub>preset</sub>	Applies the preset discount rate to the last item registered.		5% T2 -0.50
	Quantity	1	<b>3 . 5</b>	$\boxed{\% -}$	ST .14.50
	Taxable	(2) <sub>preset</sub>	The input value takes priority of the preset value.		3.5% -0.51
Discount	Rate	(5%) <sub>preset</sub>	<b>SUB TOTAL</b>		TA1 .5.00
Subtotal discount	Rate	3.5%	$\boxed{\% -}$		TX1 .0.20
	Taxable	Nontaxable	<b>SUB TOTAL</b>		TA2 .9.50
Payment	Cash	\$15.00	<b>1 5 00</b>	$\boxed{\% -}$	TX2 .0.48
			<b>SUB TOTAL</b>	CA/AMT/TEND	TL .14.67
					CASH .15.00
					CG .0.33

- You can manually input rates up to 4 digits long (0.01% to 100.00%).

### Taxable status of the $\boxed{\% -}$ 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  $\boxed{\% -}$  key.



# Basic Operations and Setups

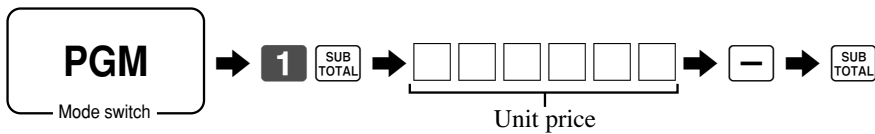
## Preparing and using reductions

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

			OPERATION	RECEIPT
Item 1	Dept. 1	\$5.00	<div style="text-align: center;"> <b>5 00</b>   <b>2 5</b>             Reduces the last amount registered by the value input.  <b>4 5</b>       <b>1 1 00</b>  </div>	<div style="border: 1px solid black; padding: 5px;">           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         </div>
	Quantity	1		
	Taxable	(1) <sub>preset</sub>		
Reduction	Amount	\$0.25		
Item 2	PLU 45	(\$6.00) <sub>preset</sub>		
	Quantity	1		
	Taxable	(1) <sub>preset</sub>		
Reduction	Amount	(\$0.50) <sub>preset</sub>		
Payment	Cash	\$11.00		

- 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

			OPERATION	RECEIPT																														
Item 1	Dept. 1	\$3.00	<b>3 00</b> <input type="text" value="1"/>	<table border="1"> <tr><td>1 DEPT01</td><td>T1</td><td>-3.00</td></tr> <tr><td>1 DEPT02</td><td>T2</td><td>-4.00</td></tr> <tr><td>-</td><td></td><td>-0.75</td></tr> <tr><td>TA1</td><td></td><td>-3.00</td></tr> <tr><td>TX1</td><td></td><td>-0.12</td></tr> <tr><td>TA2</td><td></td><td>-4.00</td></tr> <tr><td>TX2</td><td></td><td>-0.20</td></tr> <tr><td>TL</td><td></td><td>-6.57</td></tr> <tr><td>CASH</td><td></td><td>-7.00</td></tr> <tr><td>CG</td><td></td><td>-0.43</td></tr> </table>	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
	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																																
Quantity	1	<b>4 00</b> <input type="text" value="2"/>																																
Taxable	(1) <sub>preset</sub>	<input type="text" value="SUB TOTAL"/>																																
Item 2	Dept. 2	\$4.00	<b>7 5</b> <input type="text" value="-"/>																															
	Quantity	1	Reduces the subtotal by the value input here.																															
	Taxable	(2) <sub>preset</sub>	<input type="text" value="SUB TOTAL"/>																															
Subtotal Reduction	Amount	\$0.75	<b>7 00</b> <input type="text" value="CA/AMT/TEND"/>																															
	Taxable	(No) <sub>preset</sub>																																
Payment	Cash	\$7.00																																

# Basic Operations and Setups

## Registering charge and check payments



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

### Check

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

<b>1</b>	<b>1</b>	<b>00</b>	<b>1</b>
			SUB TOTAL
<b>2</b>	<b>0</b>	<b>00</b>	CHK/ TEND

1 DEPT01	.11.00
TL	- 11.00
CHECK	-20.00
CG	.9.00

### Charge

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

<b>1</b>	<b>5</b>	<b>00</b>	<b>4</b>
			SUB TOTAL
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
			#/ NS
			CH

1 DEPT04	.15.00	Reference No.
#/NS	1234	
TL	- 15.00	
CHARGE	.15.00	

### Mixed tender (cash, charge and check)

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

<b>5</b>	<b>5</b>	<b>00</b>	<b>4</b>
			SUB TOTAL
<b>3</b>	<b>0</b>	<b>00</b>	CHK/ TEND
<b>5</b>	<b>00</b>	CA/ AMT /TEND	
			CH

1 DEPT04	.55.00
TL	- 55.00
CHECK	-30.00
CASH	.5.00
CHARGE	.20.00

## Registering returned goods in the REG mode



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

OPERATION			RECEIPT		
Item 1	Dept. 1	\$2.35	<b>2 3 5</b>	<b>1</b>	1 DEPT01 .2.35
	Quantity	1			1 DEPT02 .2.00
Item 2	Dept. 2	\$2.00	<b>2 00</b>	<b>2</b>	1 PLU0001 .1.20
	Quantity	1			RF .....
Item 3	PLU 1	(\$1.20) <sub>preset</sub>	<b>1</b>	<b>PLU</b>	1 DEPT01 .2.35
	Quantity	1			RF .....
Returned Item 1	Dept. 1	\$2.35	<b>2 3 5</b>	<b>1</b>	1 PLU0001 .1.20
	Quantity	1			TL -2.00
Returned Item 3	PLU 1	(\$1.20) <sub>preset</sub>		<b>RF</b>	CASH .2.00
	Quantity	1			
Payment	Cash	\$2.00			

Press **RF** before the item you want to return.

## Registering returned goods in the RF mode



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

### Normal refund transaction

OPERATION			RECEIPT		
Returned Item 1	Dept. 1	\$1.50	<b>1 5 0</b>	<b>1</b>	<b>RF</b> 18-06-2010 11:50
	Quantity	2			C01 MC#01 000023
Returned Item 2	PLU 2	(\$1.20) <sub>preset</sub>	<b>6</b>	<b>X</b>	1 DEPT01 .1.50
	Quantity	6			1 DEPT01 .1.50
Payment	Cash	\$10.20	<b>2</b>	<b>PLU</b>	6 PLU0002 .7.20
					TL -10.20
					CASH .10.20

RF mode symbol

# Basic Operations and Setups

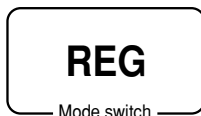
## Reduction of amounts paid on refund

OPERATION			RECEIPT	
Returned Item 1	Dept. 3	\$4.00	<b>4</b> <b>00</b> <b>3</b>	1 DEPT03 .4.00
	Quantity	1	<b>1</b> <b>5</b> <b>-</b>	- .0.15
Reduction	Amount	\$0.15	<b>2</b> <b>PLU</b>	1 PLU0002 .1.20
Returned Item 2	PLU 2	(\$1.20) <sub>preset</sub>	<b>%-</b>	5% %- -0.06
	Quantity	1	<b>SUB TOTAL</b>	TL - 4.99
Discount	Rate	(5%) <sub>preset</sub>	<b>CA / AMT / TEND</b>	CASH .4.99
Payment	Cash	\$4.99		

### 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	<b>7</b> <b>00</b> <b>00</b> <b>RC</b>	RC .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	<b>1</b> <b>5</b> <b>0</b> <b>PD</b>	PD .1.50

Amount can be up to 8 digits.

# 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																					
<p>2 00</p> <p>1 00 C</p> <p>1 2 X</p> <p>1 1 X</p> <p>2 00 2</p> <p>2</p> <p>3 PLU</p> <p>1 5 PLU</p> <p>6 00</p> <p>1 5 PLU</p> <p>Enter PLU No. again.</p> <p>1 0 00 PRICE</p> <p>SUB TOTAL</p> <p>1 0 00</p> <p>1 5 00 CA / AMT / TEND</p> <p>CH</p>	<p>Correction of unit price</p> <p>Correction of quantity</p> <p>Correction of PLU No.</p> <p>Correction of open PLU unit price</p> <p>Correction of partial tender amount</p> <table border="1"> <tr><td>1</td><td>DEPT01</td><td>.1.00</td></tr> <tr><td>11</td><td>DEPT02</td><td>.22.00</td></tr> <tr><td>1</td><td>PLU0003</td><td>.1.30</td></tr> <tr><td>1</td><td>PLU0015</td><td>.10.00</td></tr> <tr><td></td><td>TL</td><td>-34.30</td></tr> <tr><td></td><td>CASH</td><td>.15.00</td></tr> <tr><td></td><td>CHARGE</td><td>.19.30</td></tr> </table>	1	DEPT01	.1.00	11	DEPT02	.22.00	1	PLU0003	.1.30	1	PLU0015	.10.00		TL	-34.30		CASH	.15.00		CHARGE	.19.30
1	DEPT01	.1.00																				
11	DEPT02	.22.00																				
1	PLU0003	.1.30																				
1	PLU0015	.10.00																				
	TL	-34.30																				
	CASH	.15.00																				
	CHARGE	.19.30																				

# Basic Operations and Setups

To correct an item you input and registered

OPERATION	RECEIPT																										
<p>1 00 1</p> <p>2 00 2</p> <p>2</p> <p>ERR CORR CANCEL</p> <p>2 PLU</p> <p>ERR CORR CANCEL</p> <p>5 PLU</p> <p>1 5 PLU</p> <p>6 00 PRICE</p> <p>ERR CORR CANCEL</p> <p>1 5 PLU</p> <p>1 0 00 PRICE</p> <p>8 X</p> <p>4 00 4</p> <p>ERR CORR CANCEL</p> <p>6 X</p> <p>4 00 4</p> <p>SUB TOTAL</p> <p>5 0 %-</p> <p>ERR CORR CANCEL</p> <p>SUB TOTAL</p> <p>5 %-</p> <p>RF 2 00 2</p> <p>ERR CORR CANCEL</p> <p>RF 2 2 0 2</p> <p>SUB TOTAL</p> <p>2 0 00 CA / AMT / TEND</p> <p>ERR CORR CANCEL</p> <p>1 5 00 CA / AMT / TEND</p> <p>CH</p>	<table border="1"> <tr><td>1 DEPT01</td><td>·1.00</td></tr> <tr><td>1 DEPT02</td><td>·2.00</td></tr> <tr><td>1 PLU0005</td><td>·1.50</td></tr> <tr><td>1 PLU0015</td><td>·10.00</td></tr> <tr><td>6 DEPT04</td><td>·24.00</td></tr> <tr><td>ST</td><td>·38.50</td></tr> <tr><td>5%</td><td></td></tr> <tr><td>%-</td><td>-1.93</td></tr> <tr><td>RF</td><td>· · · · ·</td></tr> <tr><td>1 DEPT02</td><td>-2.20</td></tr> <tr><td>TL</td><td>-34.37</td></tr> <tr><td>CASH</td><td>·15.00</td></tr> <tr><td>CHARGE</td><td>·19.37</td></tr> </table> <p>Corrected items are not printed on receipt (in case of programming "Buffered receipt printing").</p>	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	CHARGE	·19.37
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																										
CHARGE	·19.37																										
Clearance																											
Correction of PLU No.																											
Correction of open PLU unit price																											
Correction of quantity																											
Correction of discount																											
Correction of refund item																											
Correction of partial tender																											

## To cancel all items in a transaction

OPERATION	RECEIPT										
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; gap: 5px;"> <div style="border: 1px solid black; padding: 2px;">1</div> <div style="border: 1px solid black; padding: 2px;">00</div> <div style="border: 1px solid black; padding: 2px;">1</div> </div> <div style="display: flex; gap: 5px;"> <div style="border: 1px solid black; padding: 2px;">2</div> <div style="border: 1px solid black; padding: 2px;">00</div> <div style="border: 1px solid black; padding: 2px;">2</div> </div> <div style="display: flex; gap: 5px;"> <div style="border: 1px solid black; padding: 2px;">3</div> <div style="border: 1px solid black; padding: 2px;">00</div> <div style="border: 1px solid black; padding: 2px;">3</div> </div> <div style="display: flex; gap: 5px;"> <div style="border: 1px solid black; padding: 2px;">4</div> <div style="border: 1px solid black; padding: 2px;">00</div> <div style="border: 1px solid black; padding: 2px;">4</div> </div> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;">SUB TOTAL</div> </div>	<div style="border: 1px solid black; padding: 5px;"> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 80%;">1 DEPT01</td><td style="text-align: right;">·1.00</td></tr> <tr><td>1 DEPT02</td><td style="text-align: right;">·2.00</td></tr> <tr><td>1 DEPT03</td><td style="text-align: right;">·3.00</td></tr> <tr><td>1 DEPT04</td><td style="text-align: right;">·4.00</td></tr> <tr><td>CANCEL</td><td style="text-align: right;">.....</td></tr> </table> </div>	1 DEPT01	·1.00	1 DEPT02	·2.00	1 DEPT03	·3.00	1 DEPT04	·4.00	CANCEL	.....
1 DEPT01	·1.00										
1 DEPT02	·2.00										
1 DEPT03	·3.00										
1 DEPT04	·4.00										
CANCEL	.....										
<p>Pressing  key is necessary to cancel the transaction.</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">ERR CORR CANCEL</div>											

## No sale registration



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
<div style="border: 1px solid black; padding: 2px; display: inline-block;"># / NS</div>	<div style="border: 1px solid black; padding: 5px; display: inline-block;"># / NS      .....</div>



# Basic Operations and Setups

## Shifting the taxable status of an item (For US only)



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

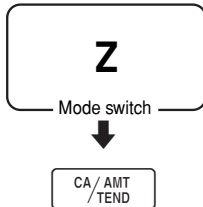
OPERATION			RECEIPT																																			
Item 1	Dept. 1	\$4.00	4 00	1	<table border="1"> <tr><td>1 DEPT01</td><td>T2</td><td>\$4.00</td></tr> <tr><td>1 DEPT02</td><td>T1</td><td>\$2.00</td></tr> <tr><td>1 DEPT03</td><td>T12</td><td>\$6.00</td></tr> <tr><td>1 DEPT04</td><td></td><td>\$7.00</td></tr> <tr><td>TA1</td><td></td><td>\$8.00</td></tr> <tr><td>TX1</td><td></td><td>\$0.32</td></tr> <tr><td>TA2</td><td></td><td>\$10.00</td></tr> <tr><td>TX2</td><td></td><td>\$0.50</td></tr> <tr><td>TL</td><td></td><td>\$19.82</td></tr> <tr><td>CASH</td><td></td><td>\$20.00</td></tr> <tr><td>CG</td><td></td><td>\$0.18</td></tr> </table>	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
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																																				
	Quantity	1		T/S1																																		
	Taxable	(2) <sub>preset</sub>																																				
Item 2	Dept. 2	\$2.00	2 00	2																																		
	Quantity	1		Pressing <b>T/S1</b> changes the tax status from Nontaxable to Taxable 1																																		
	Taxable	(1)→1																																				
Item 3	Dept. 3	\$6.00	6 00	3																																		
	Quantity	1		Pressing <b>T/S2</b> changes the tax status from Taxable 1 to Taxable 1, 2																																		
	Taxable	(1)→1,2																																				
Item 4	Dept. 4	\$7.00	7 00	4																																		
	Quantity	1		Pressing <b>T/S2</b> changes the tax status from Taxable 2 to Nontaxable																																		
	Taxable	(2)→No																																				
Payment	Cash	\$20.00																																				
			SUB TOTAL																																			
			2 0 00	CA/AMT/TEND																																		

### 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.

# Printing the daily sales reset report

This report shows daily sales totals.



## OPERATION

## REPORT

Z	18-06-2010	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	Gross total *2
		-6,574.40	
NET	No	111	Net total *2
		-7,057.14	
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	Refund mode *2
		-10.22	
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	Cancellation *2
		-12.97	
-----			
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	Function key count / amount *1
		-1,638.04	
CHARGE	No	56	
		-1,174.85	

# **Basic Operations and Setups**

RC	No	4		
			·810.00	
PD	No	5		
			·520.00	
			·5.00	
CORR	No	14		
			·39.55	
VLD	No	19		
RCT	No	3		
NS	No	5		
Z	DEPT	0001		Department report title / reset counter
		0001015		Report code
DEPT01			203.25	
			·1,108.54	Department count / amount <sup>*1</sup>
DEPT02			183	
			·1,362.26	
			5	
			·17.00	
TL			421.25	Department total count / total amount
			·2,872.28	
Z	CASHIER	0001		Clerk report title / reset counter
		0001017		Report code
C01	.....	1		Clerk name / drawer No. <sup>*1</sup>
GROSS			421.25	Gross total <sup>*1</sup>
			·2,872.28	
NET	No	111		Net total <sup>*1</sup>
			·1,845.35	
CAID			·1,057.14	Cash in drawer <sup>*1</sup>
CHID			·139.04	
C02	.....	1		Clerk name / drawer No.

<sup>\*1</sup> Zero totalled departments / functions / clerks are not printed by programming.

<sup>\*2</sup> These items can be skipped by programming.



***Basic Operations and Setups***

## ***Advanced Operations***

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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 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.

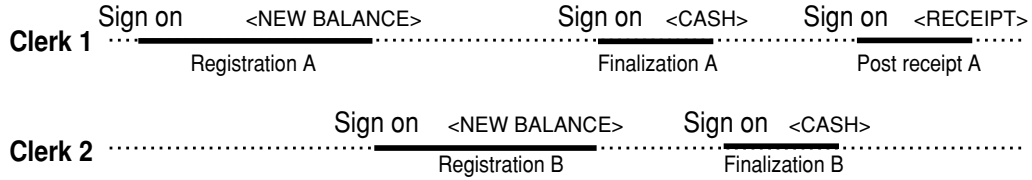
- The register must be programmed to allow use of the clerk interrupt function.
- To use the clerk interrupt function, a clerk interrupt buffer must first be allocated with the memory allocation operation. Next the manager control operation (X1 mode) should be used to perform clerk assignment for the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

- You can 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

OPERATION			RECEIPT		
Item	Dept. 1	\$1.00	<b>1 00</b> <b>1</b>	1 DEPT01 . 1.00	Department No. /
	Quantity	1		TL - 1.00	unit price
	Status	S.I.S		CASH . 1.00	Cash total amount
Payment	Cash	\$1.00			

The transaction is immediately finalized.

# Advanced Operations

## Example 2

OPERATION			RECEIPT							
Item	Dept. 1	(\$1.00)	<b>3</b> <b>X</b> <b>1</b>	<table border="1"> <tr><td>3 DEPT01</td><td>.3.00</td></tr> <tr><td>TL</td><td>- 3.00</td></tr> <tr><td>CASH</td><td>.3.00</td></tr> </table>	3 DEPT01	.3.00	TL	- 3.00	CASH	.3.00
3 DEPT01	.3.00									
TL	- 3.00									
CASH	.3.00									
	Quantity	3								
	Status	S.I.S								
Payment	Cash	\$3.00	<p>The transaction is immediately finalized.</p>							

## Example 3

OPERATION			RECEIPT									
Item 1	Dept. 3	\$2.00	<b>2 00</b> <b>3</b> <b>1</b>	<table border="1"> <tr><td>1 DEPT03</td><td>.2.00</td></tr> <tr><td>1 DEPT01</td><td>.1.00</td></tr> <tr><td>TL</td><td>- 3.00</td></tr> <tr><td>CASH</td><td>.3.00</td></tr> </table>	1 DEPT03	.2.00	1 DEPT01	.1.00	TL	- 3.00	CASH	.3.00
1 DEPT03	.2.00											
1 DEPT01	.1.00											
TL	- 3.00											
CASH	.3.00											
	Quantity	1										
	Status	Normal										
Item 2	Dept. 1	(\$1.00)	<p>The transaction is not finalized. Because another item is registered before the single item sales department.</p>									
	Quantity	1	<b>CA/AMT /TEND</b>									
	Status	S.I.S										
Payment	Cash	\$3.00										

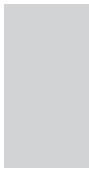
## Addition

### Addition (plus) Example

OPERATION			RECEIPT													
Item 1	Dept. 1	\$1.00	<b>1 00</b> <b>1</b> <b>1 0</b> <b>+</b> <b>3</b> <b>X</b> <b>2 00</b> <b>1</b> <b>3</b> <b>X</b> <b>+</b>	<table border="1"> <tr><td>1 DEPT01</td><td>.1.00</td></tr> <tr><td>+</td><td>.0.10</td></tr> <tr><td>3 DEPT01</td><td>.6.00</td></tr> <tr><td>+</td><td>.0.60</td></tr> <tr><td>TL</td><td>- 7.70</td></tr> <tr><td>CASH</td><td>.7.70</td></tr> </table>	1 DEPT01	.1.00	+	.0.10	3 DEPT01	.6.00	+	.0.60	TL	- 7.70	CASH	.7.70
1 DEPT01	.1.00															
+	.0.10															
3 DEPT01	.6.00															
+	.0.60															
TL	- 7.70															
CASH	.7.70															
	Quantity	1														
	Addition	\$0.10														
Item 2	Dept. 1	\$2.00	<p><b>CA/AMT /TEND</b></p>													
	Quantity	3														
	Addition	3 × (\$0.20)														
Payment	Cash	\$7.70														

**Premium (%+)**  
**Example**

			OPERATION	RECEIPT
Item 1	Dept. 1	\$1.00	1 00 1	<div style="font-family: monospace; font-size: 0.8em;">           1 DEPT01            -1.00              10%              %+                -0.10            3 DEPT01            -6.00              ST                -7.10              15%              %+                -1.07              TL                - 8.17              CASH              -8.17         </div>
	Quantity	1	1 0 %+	
	Premium	10%	3 X	
Item 2	Dept. 1	\$2.00	2 00 1	
	Quantity	3	SUB TOTAL	
Subtotal	Premium	(15%)	%+	
Payment	Cash	\$8.17	CA / AMT / TEND	





# Advanced Operations

## 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

OPERATION			RECEIPT	
Group 1	Dept. 1	\$1.00	<b>1</b> <b>00</b> <b>1</b>	1 DEPT01 .1.00
	Dept. 3	\$2.00	<b>2</b> <b>00</b> <b>3</b>	1 DEPT03 .2.00
	Discount	(5%) <sub>preset</sub>	<b>TRAY TOTAL</b>	TRAY TL - 3.00
Group 2	Dept. 3	\$3.00	<b>%-</b>	5% -0.15
	Dept. 4	\$4.00	<b>3</b> <b>00</b> <b>3</b>	1 DEPT03 -3.00
	Discount	10%	<b>TRAY TOTAL</b>	1 DEPT04 .4.00
Payment	Cash	\$9.15	<b>4</b> <b>00</b> <b>4</b>	TRAY TL - 7.00
			<b>%-</b>	10% -0.70
			<b>TRAY TOTAL</b>	TL - 9.15
			<b>1</b> <b>0</b> <b>%-</b>	CASH .9.15
			<b>CA/AMT TEND</b>	

### 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

OPERATION			RECEIPT	
CustomerA	Dept. 1	\$1.00	<b>1</b> <b>00</b> <b>1</b>	1 DEPT01 .1.00
	Dept. 3	\$2.00	<b>2</b> <b>00</b> <b>3</b>	1 DEPT03 .2.00
CustomerB	Dept. 3	\$3.00	<b>TRAY TOTAL</b> <b>TRAY TOTAL</b>	TRAY TL - 3.00
	Dept. 4	\$4.00	<b>3</b> <b>00</b> <b>3</b>	1 DEPT03 .3.00
Payment	Cash	\$10.00	<b>4</b> <b>00</b> <b>4</b>	1 DEPT04 .4.00
			<b>TRAY TOTAL</b> <b>TRAY TOTAL</b>	TRAY TL - 7.00
			<b>CA/AMT TEND</b>	TL - 10.00
				CASH .10.00

## Coupon transaction

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

OPERATION			RECEIPT	
Item 1	Dept. 1	\$3.00	<b>2</b> <b>X</b>	2 DEPT01      .6. 00 COUPON       -1. 00 1 DEPT03      .4. 00 COUPON       -1. 00 TL             - 8. 00 CASH           .8. 00
	Quantity	2	<b>3</b> <b>00</b> <b>1</b>	
	Coupon	\$0.50 × 2	<b>2</b> <b>X</b>	
Item 2	Dept. 3	\$4.00	<b>5</b> <b>0</b> <b>CPN</b>	
	Quantity	1	<b>4</b> <b>00</b> <b>3</b>	
Payment	Cash	\$8.00	<b>CPN</b>	
			<b>CA/AMT/TEND</b>	

### Coupon registration using <COUPON2> (coupon 2 key)

#### Example

OPERATION			RECEIPT	
Item 1	Dept. 1	\$15.00	<b>1</b> <b>5</b> <b>00</b> <b>1</b>	1 DEPT01      .15. 00 CPN2           . . . . . 1 DEPT01      -1. 50 1 PLU0010     .5. 00 CPN2           . . . . . 1 PLU0050     -0. 50 TL             - 18. 00 CASH           .18. 00
	Quantity	1	<b>CPN2</b> <b>1</b> <b>5</b> <b>0</b> <b>1</b>	
	Coupon 2 Dept. 1	\$1.50	<b>1</b> <b>0</b> <b>PLU</b>	
Item 2	PLU 10	\$5.00	<b>CPN2</b> <b>5</b> <b>0</b> <b>PLU</b>	
	Quantity	1		
	Coupon 2 PLU 50	(\$0.50)		
Payment	Cash	\$18.00	<b>CA/AMT/TEND</b>	

# Advanced Operations

## 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

OPERATION			RECEIPT									
Item	Dept. 1	\$8.00	<b>8 00</b>	<table border="1"> <tr><td>1 DEPT01</td><td>.8.00</td></tr> <tr><td>TL</td><td>- 8.00</td></tr> <tr><td>CASH</td><td>.10.00</td></tr> <tr><td>CG</td><td>.2.00</td></tr> </table>	1 DEPT01	.8.00	TL	- 8.00	CASH	.10.00	CG	.2.00
1 DEPT01	.8.00											
TL	- 8.00											
CASH	.10.00											
CG	.2.00											
	Quantity	1	<b>1</b>									
Payment	Cash	(\$10.00)	CA/AMT/TEND									
			The preset amount is tendered.									

### Example 2

OPERATION			RECEIPT											
Item	Dept. 1	\$15.00	<b>1 5 00</b>	<table border="1"> <tr><td>1 DEPT01</td><td>.15.00</td></tr> <tr><td>TL</td><td>- 15.00</td></tr> <tr><td>CHECK</td><td>.5.00</td></tr> <tr><td>CASH</td><td>.10.00</td></tr> <tr><td>CG</td><td>.0.00</td></tr> </table>	1 DEPT01	.15.00	TL	- 15.00	CHECK	.5.00	CASH	.10.00	CG	.0.00
1 DEPT01	.15.00													
TL	- 15.00													
CHECK	.5.00													
CASH	.10.00													
CG	.0.00													
	Quantity	1	<b>1</b>											
Payment	Cash	(\$10.00)	<b>1 0 00</b>											
	Check	\$5.00	CA/AMT/TEND											
			An error occurs by manual input											
			<b>C</b>											
			<b>5 00</b>											
			CHK/TEND											
			CA/AMT/TEND											

## Registering loan amounts

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

**REG**

Mode switch

OPERATION			RECEIPT							
Loan	Note	\$1.00	<b>1 0</b>	<table border="1"> <tr><td>LOAN</td><td>.10.00</td></tr> <tr><td>LOAN</td><td>.25.00</td></tr> <tr><td>CASH</td><td>.35.00</td></tr> </table>	LOAN	.10.00	LOAN	.25.00	CASH	.35.00
LOAN	.10.00									
LOAN	.25.00									
CASH	.35.00									
	Quantity	10	<b>1 00</b>							
	Note	\$5.00	<b>5</b>							
	Quantity	5	<b>5 00</b>							
Media	Cash	\$35.00	LOAN							
			CA/AMT/TEND							

# Registering pick up amounts



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

			OPERATION	RECEIPT						
Pick up	Coin	\$0.50	<b>1 0</b> <b>X</b>	<table border="1"> <tr><td>P. UP</td><td>.5. 00</td></tr> <tr><td>P. UP</td><td>.0. 50</td></tr> <tr><td>CASH</td><td>.5. 50</td></tr> </table>	P. UP	.5. 00	P. UP	.0. 50	CASH	.5. 50
	P. UP	.5. 00								
	P. UP	.0. 50								
	CASH	.5. 50								
Quantity	10	<b>5 0</b> <b>PICK UP</b>								
Coin	\$0.10	<b>5</b> <b>X</b>								
Quantity	5	<b>1 0</b> <b>PICK UP</b>								
Media	Cash	\$5.50	<b>CA/AMT /TEND</b>							

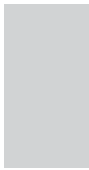
# Changing media in drawer



Use this procedure to change media in drawer.

			OPERATION	RECEIPT								
Media	Check	-10.00	<b>1 0 00</b> <b>MEDIA CHANGE</b>	<table border="1"> <tr><td>MEDIA CHG</td><td>.....</td></tr> <tr><td>CHECK</td><td>-10.00</td></tr> <tr><td>CASH</td><td>-8.00</td></tr> <tr><td>CHARGE</td><td>-2.00</td></tr> </table>	MEDIA CHG	.....	CHECK	-10.00	CASH	-8.00	CHARGE	-2.00
	MEDIA CHG	.....										
	CHECK	-10.00										
CASH	-8.00											
CHARGE	-2.00											
Cash	\$8.00	<b>CHK/ TEND</b>										
Charge	\$2.00	<b>8 00</b> <b>CA/AMT /TEND</b>										
			<b>2 00</b> <b>CH</b>									

Enter the amount to be changed.



Advanced Operations

# Advanced Operations

## Bottle link operation

You can link PLU to a PLU.

### Example

			OPERATION	RECEIPT
Item 1	PLU 1	(\$8.00)	<b>1</b> <b>PLU</b> <b>3</b> <b>X</b> <b>2</b> <b>PLU</b> <b>3 0 00</b> <b>CA/AMT/TEND</b>	<pre> 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                     </pre>
	PLU 11 <sub>linked</sub>	(\$0.80)		
	Quantity	1		
Item 2	PLU 2	(\$5.00)		
	PLU 12 <sub>linked</sub>	(\$0.50)		
Quantity	3			
Payment	Cash	\$30.00		

## 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

			OPERATION	RECEIPT
Return Item 1	PLU 1	(\$8.00)	<b>BR</b> <b>1</b> <b>PLU</b> <b>3</b> <b>X</b> <b>BR</b> <b>2</b> <b>PLU</b> <b>CA/AMT/TEND</b>	<pre> BR              ······ 1 PLU0011      -0.80 BR              ······ 3 PLU0012      -1.50 TL              - 2.30 CASH           -2.30                     </pre>
	PLU 11 <sub>linked</sub>	(\$0.80)		
	Quantity	1		
Return Item 2	PLU 2	(\$5.00)		
	PLU 12 <sub>linked</sub>	(\$0.50)		
Quantity	3			
Payment	Cash	\$2.30		

## 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

OPERATION			RECEIPT
Arrangement 1			<div style="border: 1px solid black; padding: 5px; width: fit-content;">                     1 PLU0001      .8.00                      1 PLU0002      .5.00                      TL                - 13.00                      CASH             .13.00                 </div>
Item 1	PLU 1	(\$8.00)	
	Quantity	1	
Item 2	PLU 2	(\$5.00)	
	Quantity	1	
Payment	Cash	\$13.00	

### Example 2

OPERATION			RECEIPT
Arrangement 5			<div style="border: 1px solid black; padding: 5px; width: fit-content;">                     1 DEPT01        .1.00                      1 DEPT02        .2.00                      TL                - 3.00                      CASH             .3.00                 </div>
Item 1	Dept 1	\$1.00	
	Quantity	1	
Item 2	Dept 2	\$2.00	
	Quantity	1	
Payment	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

OPERATION			RECEIPT
Set menu	PLU 35	\$5.00	<div style="border: 1px solid black; padding: 5px; width: fit-content;">                     1 PLU0035        .5.00                      PLU0001                      PLU0002                      PLU0003                      PLU0004                      TL                - 5.00                      CASH             .5.00                 </div>
Item 1	PLU1	--	
Item 2	PLU2	--	
Item 3	PLU3	--	
Item 4	PLU4	--	
Payment	Cash	\$5.00	

# Advanced Operations

## 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														
<b>1 0 00</b> <b>1</b> ← Enter the unit price and press the applicable department key.	<div style="border: 1px solid black; padding: 2px; text-align: center;">1000</div> (Displays in \$)	<div style="border: 1px solid black; padding: 5px;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">1 DEPT01</td> <td style="text-align: right;">· 10.00</td> </tr> <tr> <td>1 DEPT02</td> <td style="text-align: right;">· 20.00</td> </tr> <tr> <td>TL</td> <td style="text-align: right;">- 30.00</td> </tr> <tr> <td>CE</td> <td></td> </tr> <tr> <td>CASH</td> <td style="text-align: right;">¥5,000</td> </tr> <tr> <td>CASH</td> <td style="text-align: right;">· 47.62</td> </tr> <tr> <td>CG</td> <td style="text-align: right;">· 17.62</td> </tr> </table> </div>	1 DEPT01	· 10.00	1 DEPT02	· 20.00	TL	- 30.00	CE		CASH	¥5,000	CASH	· 47.62	CG	· 17.62
1 DEPT01	· 10.00															
1 DEPT02	· 20.00															
TL	- 30.00															
CE																
CASH	¥5,000															
CASH	· 47.62															
CG	· 17.62															
<b>2 0 00</b> <b>2</b> ← Enter the next unit price and press the applicable department key.	<div style="border: 1px solid black; padding: 2px; text-align: center;">2000</div> (Displays in \$)															
<b>CE</b> <b>SUB TOTAL</b> ← Press <b>CE</b> and <b>SUB TOTAL</b> 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.	<div style="border: 1px solid black; padding: 2px; text-align: center;">3150</div> (Displays in ¥: 3,150)															
<b>5 0 00</b> <b>CE</b> ← Enter the amount tendered in yen and press <b>CE</b> . This operation converts the entered yen amount into dollars by applying a pre-programmed exchange rate. The result is shown on the display. (5,000)	<div style="border: 1px solid black; padding: 2px; text-align: center;">5.000</div>															
<b>CA/AMT/TEND</b> ← 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.	<div style="border: 1px solid black; padding: 2px; text-align: center;">1762</div> (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														
<b>1 0 00</b> <b>1</b> ← Enter the unit price and press the applicable department key.	<div style="border: 1px solid black; padding: 5px; text-align: center;">10.00</div> (Displays in \$)	<div style="border: 1px solid black; padding: 5px;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">1 DEPT01</td> <td style="text-align: right;">. 10.00</td> </tr> <tr> <td>1 DEPT02</td> <td style="text-align: right;">. 20.00</td> </tr> <tr> <td>TL</td> <td style="text-align: right;">. 30.00</td> </tr> <tr> <td>CE</td> <td></td> </tr> <tr> <td>CASH</td> <td style="text-align: right;">¥2,000</td> </tr> <tr> <td>CASH</td> <td style="text-align: right;">. 19.05</td> </tr> <tr> <td>CHECK</td> <td style="text-align: right;">. 10.95</td> </tr> </table> </div>	1 DEPT01	. 10.00	1 DEPT02	. 20.00	TL	. 30.00	CE		CASH	¥2,000	CASH	. 19.05	CHECK	. 10.95
1 DEPT01	. 10.00															
1 DEPT02	. 20.00															
TL	. 30.00															
CE																
CASH	¥2,000															
CASH	. 19.05															
CHECK	. 10.95															
<b>2 0 00</b> <b>2</b> ← Enter the next unit price and press the applicable department key.	<div style="border: 1px solid black; padding: 5px; text-align: center;">20.00</div> (Displays in \$)															
<b>CE</b> <b>SUB/TOTAL</b> ← Press <b>CE</b> and <b>SUB/TOTAL</b> 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.	<div style="border: 1px solid black; padding: 5px; text-align: center;">3150</div> (Displays in ¥: 3,150)															
<b>2 0 00</b> <b>CE</b> ← Enter the partial amount tendered in yen and press <b>CE</b> . This operation converts the entered yen amount into dollars by applying a pre-programmed exchange rate. The result is shown on the display. (2,000)	<div style="border: 1px solid black; padding: 5px; text-align: center;">2000</div>															
<b>CA/AMT/TEND</b> ← Press <b>CA/AMT/TEND</b> 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.	<div style="border: 1px solid black; padding: 5px; text-align: center;">1095</div> (Displays in \$)															
<b>CHK/TEND</b> ← Press to finalize the transaction.	<div style="border: 1px solid black; padding: 5px; text-align: center;">1095</div> (Displays in \$)															



# Advanced Operations

## 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

8 0 TIP

1 0 00 CA/AMT  
TEND

**RECEIPT**

1 DEPT01	.3.00
1 DEPT02	.5.00
TIP	.0.80
TL	<b>- 8.80</b>
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**

1 5 00 1

5 00 2

2 CST

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**

1 5 00 1

5 00 2

3 CST

2 CST

SUB TOTAL

CA/AMT /TEND

**RECEIPT**

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

## 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**

1 5 00 1

5 00 2

3 CST

2 CST

SUB TOTAL

CA/AMT /TEND

**RECEIPT**

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

# Advanced Operations

## 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

OPERATION			RECEIPT		
Item 1	Unit price	\$46.00	4	6	00
	Dept.	1	1	TEXT RECALL	
Item 2	Unit price	\$10.00	1	0	00
	Dept.	2	2	TEXT RECALL	
Payment	Cash	\$56.00	2	SUB TOTAL	
Text 1	MEDIUM SIZE				
Text 2	SMALL SIZE				

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

OPERATION			RECEIPT		
Item	Unit price	\$10.00	1	0	00
	Dept.	1	1	CHK/ TEND	
Payment	CHK	\$10.00	2	00	2
Slip validation compulsory					

Validation compulsory

OPEN  
2

Validation compulsory is temporarily released.

### Example 2

OPERATION			RECEIPT		
Input customer No. compulsory			1	0	00
Item	Unit price	\$10.00	Input customer No. compulsory		
	Dept.	1	1	OPEN 2	
Payment	CHK	\$10.00			

Compulsory is temporarily released.

OPEN  
2

---

## 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

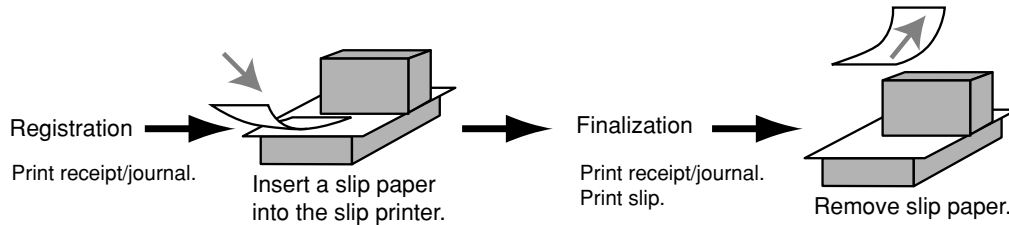
<SLIP BACK FEED/RELEASE> (slip back feed / release key: assigned to the register's keyboard using the program 4 mode) can be used for manual back feed of the slip paper. Manual back feed can be performed by inputting a value for the number of lines (up to two digits in the range of 1 to 99) and then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

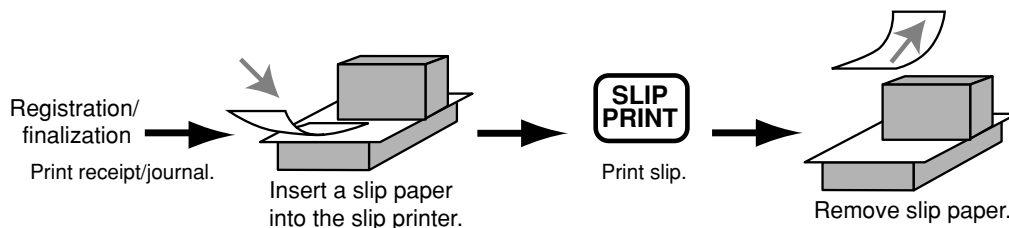
Finalizing a registration without inserting a slip paper into the slip printer when the register is programmed as "slip paper insertion into slip printer compulsory before finalizing registration" produces an error.

## Advanced Operations

### 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

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

**OPERATION**

1 2 3 4

3 3

1 0 00

2 0 00

3 0 00

Insert slip

Remove slip

RECEIPT	
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
SRVC TL	- 90.50

New balance fee

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

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

**OPERATION**

1 2 3 4

3 0 00

1 0 00

Insert slip

Remove slip

RECEIPT	
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.

# Advanced Operations

## Issuing a guest receipt

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

### Example

OPERATION	RECEIPT																																				
<p> <input type="button" value="1"/> <input type="button" value="2"/> <input type="button" value="3"/> <input type="button" value="4"/> <input type="button" value="GUEST RECEIPT"/> </p> <p>Input the number of check you want.</p>	<table border="1"> <tr> <td>TABLE No.000033</td> <td>CT</td> <td>1</td> </tr> <tr> <td>CHECK No.</td> <td colspan="2">1234</td> </tr> <tr> <td>1 DEPT01</td> <td></td> <td>.10.00</td> </tr> <tr> <td>1 DEPT01</td> <td></td> <td>.10.00</td> </tr> <tr> <td>1 DEPT02</td> <td></td> <td>.20.00</td> </tr> <tr> <td>1 DEPT02</td> <td></td> <td>.20.00</td> </tr> <tr> <td>1 DEPT03</td> <td></td> <td>.30.00</td> </tr> <tr> <td>+</td> <td></td> <td>.0.50</td> </tr> <tr> <td>1 DEPT01</td> <td></td> <td>.30.00</td> </tr> <tr> <td>1 DEPT02</td> <td></td> <td>.10.00</td> </tr> <tr> <td>+</td> <td></td> <td>.0.50</td> </tr> <tr> <td>SRVC TL</td> <td></td> <td>- 131.00</td> </tr> </table>	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
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																		
<p> <input type="button" value="1"/> <input type="button" value="2"/> <input type="button" value="3"/> <input type="button" value="4"/> <input type="button" value="OLD CHECK"/> </p> <p> <input type="button" value="1"/> <input type="button" value="5"/> <input type="button" value="0"/> <input type="button" value="00"/> <input type="button" value="CA / AMT / TEND"/> </p>	<table border="1"> <tr> <td>TABLE No.000033</td> <td>CT</td> <td>1</td> </tr> <tr> <td>CHECK No.</td> <td colspan="2">1234</td> </tr> <tr> <td>ST</td> <td></td> <td>.131.00</td> </tr> <tr> <td>TL</td> <td></td> <td>- 131.00</td> </tr> <tr> <td>CASH</td> <td></td> <td>.150.00</td> </tr> <tr> <td>CG</td> <td></td> <td>.19.00</td> </tr> </table>	TABLE No.000033	CT	1	CHECK No.	1234		ST		.131.00	TL		- 131.00	CASH		.150.00	CG		.19.00
TABLE No.000033	CT	1																	
CHECK No.	1234																		
ST		.131.00																	
TL		- 131.00																	
CASH		.150.00																	
CG		.19.00																	

**SLIP**

REG	18-06-2010	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
<p>3 4 5 6 <input type="button" value="NEW/OLD"/></p> <p>Input a check number and press &lt;NEW/OLD&gt;.</p> <p>1 0 00 <input type="button" value="1"/></p> <p>2 0 00 <input type="button" value="2"/></p> <p><input type="button" value="NB"/></p>	<p>CHECK No. 3456</p> <p>1 DEPT01            ·10.00</p> <p>1 DEPT02           ·20.00</p> <p>                  +           ·0.50</p> <p>SRVC TL           -30.50</p>

**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
<p>3 4 5 6 <input type="button" value="NEW/OLD"/></p> <p>3 1 00 <input type="button" value="CA/AMT/TEND"/></p>	<p>CHECK No. 3456</p> <p>ST                   ·30.50</p> <p>TL                   -30.50</p> <p>CASH               ·31.00</p> <p>CG                   ·0.50</p>



# Advanced Operations

## Table transfer

This operation makes it possible to add a current registration to a single check.

### Example

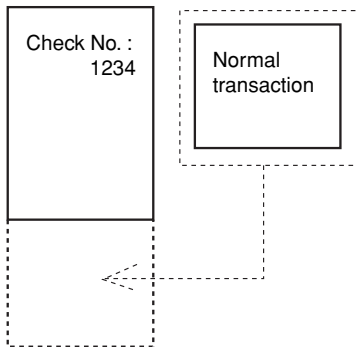
#### Registration for check number 1234

Original check			OPERATION	RECEIPT
Check# 1234			<div style="display: flex; justify-content: space-around;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>NEW</span> </div> <div style="display: flex; justify-content: space-around;"> <span>3</span><span>3</span><span>TABLE#</span> </div> <div style="display: flex; justify-content: space-around;"> <span>1</span><span>0</span><span>00</span><span>1</span> </div> <div style="display: flex; justify-content: space-around;"> <span>2</span><span>0</span><span>00</span><span>2</span> </div> <div style="text-align: center; margin-top: 5px;">NB</div>	TBL NO. 33      CT 2 CHECK No. 1234  1 DEPT01            · 10.00 1 DEPT02            · 20.00 SRVC TL        - 30.00
Item 1	Dept 1	\$10.00		
	Quantity	1		
Item 2	Dept 2	\$20.00		
	Quantity	2		

#### Registration for normal transaction

Traget Check#			OPERATION	RECEIPT
Traget Check# 1234			<div style="display: flex; justify-content: space-around;"> <span>1</span><span>5</span><span>5</span><span>0</span><span>0001</span> </div> <div style="display: flex; justify-content: space-around;"> <span>1</span><span>7</span><span>5</span><span>0</span><span>0002</span> </div> <div style="display: flex; justify-content: space-around;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>TRANS</span> </div>	1 PLU0001            · 15.50 1 PLU0002            · 17.50  ST                            33.00 TRNSFR                    1234 SRVC TL        - 63.00
Item 1	PLU0001	\$15.00		
	Quantity	1		
Item 2	PLU0002	\$17.50		
	Quantity	1		

Original check    Transferred transaction



## Add check

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

### Example

#### Registration for check number 1234

Original check			OPERATION	RECEIPT															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Check#</td> <td colspan="2" style="text-align: right;">1234</td> </tr> <tr> <td>Item 1</td> <td>Dept 1</td> <td style="text-align: right;">\$10.00</td> </tr> <tr> <td></td> <td>Quantity</td> <td style="text-align: right;">1</td> </tr> <tr> <td>Item 2</td> <td>Dept 2</td> <td style="text-align: right;">\$20.00</td> </tr> <tr> <td></td> <td>Quantity</td> <td style="text-align: right;">2</td> </tr> </table>			Check#	1234		Item 1	Dept 1	\$10.00		Quantity	1	Item 2	Dept 2	\$20.00		Quantity	2	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; gap: 5px;"> <span>1</span> <span>2</span> <span>3</span> <span>4</span> <span>NEW CHECK</span> </div> <div style="display: flex; gap: 5px;"> <span>3</span> <span>3</span> <span>TABLE #</span> </div> <div style="display: flex; gap: 5px;"> <span>1</span> <span>0</span> <span>00</span> <span>1</span> </div> <div style="display: flex; gap: 5px;"> <span>2</span> <span>0</span> <span>00</span> <span>2</span> </div> <div style="margin-top: 10px;"><span>NB</span></div> </div>	<p>CHECK No. 1234</p> <p>TBL# 000033</p> <p>1 DEPT01 .10.00</p> <p>1 DEPT02 .20.00</p> <p>+ .0.50</p> <p>SRVC TL -30.50</p>
Check#	1234																		
Item 1	Dept 1	\$10.00																	
	Quantity	1																	
Item 2	Dept 2	\$20.00																	
	Quantity	2																	

#### Registration for check number 3456

Added check			OPERATION	RECEIPT									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Check#</td> <td colspan="2" style="text-align: right;">3456</td> </tr> <tr> <td>Item</td> <td>Dept 1</td> <td style="text-align: right;">\$30.00</td> </tr> <tr> <td></td> <td>Quantity</td> <td style="text-align: right;">1</td> </tr> </table>			Check#	3456		Item	Dept 1	\$30.00		Quantity	1	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; gap: 5px;"> <span>3</span> <span>4</span> <span>5</span> <span>6</span> <span>NEW CHECK</span> </div> <div style="display: flex; gap: 5px;"> <span>3</span> <span>0</span> <span>00</span> <span>1</span> </div> <div style="margin-top: 10px;"><span>NB</span></div> </div>	<p>CHECK No. 3456</p> <p>1 DEPT01 .30.00</p> <p>+ .0.50</p> <p>SRVC TL -30.50</p>
Check#	3456												
Item	Dept 1	\$30.00											
	Quantity	1											

#### Registration for check number 1234

	OPERATION	RECEIPT
<div style="border: 1px solid black; padding: 5px; width: 80px; height: 100px; display: flex; flex-direction: column; justify-content: space-between;"> <div>Check No. : 1234</div> <div style="border: 1px dashed black; padding: 5px; width: 100%; height: 50px; display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 5px; width: 80%; height: 50px; display: flex; flex-direction: column; justify-content: space-between;"> <div>Check No. : 3456</div> </div> </div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; gap: 5px;"> <span>1</span> <span>2</span> <span>3</span> <span>4</span> <span>OLD CHECK</span> </div> <div style="display: flex; gap: 5px;"> <span>3</span> <span>4</span> <span>5</span> <span>6</span> <span>ADD CHECK</span> </div> <div style="margin-top: 10px;"><span>NB</span></div> </div>	<p>TABLE No. 000033 CT 1</p> <p>CHECK No. 1234</p> <p>ST .30.50</p> <p>ADD CHK 3456</p> <p>ST .30.50</p> <p>+ .0.50</p> <p>SRVC TL -61.50</p>

# Advanced Operations

## Separate check

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

### Example

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

→

↗

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	<b>- 40.00</b>
CASH	- 40.00
CG	- 0.00

# 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**

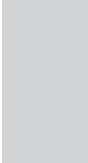
Registering main PLU.

**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



# Advanced Operations

## 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

OPERATION			RECEIPT			
Item 1	Dept 1	\$1.00	<b>1</b>	<b>00</b>	<b>1</b>	1 DEPT01 T1 .1.00
	Taxable	1	<b>1</b>	PLU		1 PLU0001 T2 .2.00
Item 2	PLU 1	(\$2.00)		VAT		TA1 .0.90
	Taxable	2		CA/AMT		TX1 .0.10
Payment	Cash	\$3.00		TEND		TA2 .1.90
						TX2 .0.10
						TL - 3.00
						CASH .3.00

# Deposit registrations

Use the following procedures to register deposits.

## Deposit from customer

OPERATION				RECEIPT						
Deposit	Cash	\$50.00	<b>5 0 00</b> <div style="display: inline-block; border: 1px solid black; padding: 2px; margin-top: 2px;">DEPOSIT -</div> <div style="display: inline-block; border: 1px solid black; padding: 2px; margin-top: 2px;">CA/AMT /TEND</div>	<table style="width: 100%; border-collapse: collapse;"> <tr><td>DEPOSIT</td><td style="text-align: right;">·50.00</td></tr> <tr><td>TL</td><td style="text-align: right;">- 50.00</td></tr> <tr><td>CASH</td><td style="text-align: right;">·50.00</td></tr> </table>	DEPOSIT	·50.00	TL	- 50.00	CASH	·50.00
DEPOSIT	·50.00									
TL	- 50.00									
CASH	·50.00									

## Use deposit as a part of payment in sales transaction

OPERATION				RECEIPT										
Item 1	Dept 1	\$10.00	<b>1 0 00</b> <div style="display: inline-block; border: 1px solid black; padding: 2px; margin-top: 2px;">1</div>	<table style="width: 100%; border-collapse: collapse;"> <tr><td>1 DEPT01</td><td style="text-align: right;">·10.00</td></tr> <tr><td>1 DEPT02</td><td style="text-align: right;">·20.00</td></tr> <tr><td>DEPOSIT</td><td style="text-align: right;">-20.00</td></tr> <tr><td>TL</td><td style="text-align: right;">- 10.00</td></tr> <tr><td>CASH</td><td style="text-align: right;">·10.00</td></tr> </table>	1 DEPT01	·10.00	1 DEPT02	·20.00	DEPOSIT	-20.00	TL	- 10.00	CASH	·10.00
1 DEPT01	·10.00													
1 DEPT02	·20.00													
DEPOSIT	-20.00													
TL	- 10.00													
CASH	·10.00													
Item 2	Dept 2	\$20.00	<b>2 0 00</b> <div style="display: inline-block; border: 1px solid black; padding: 2px; margin-top: 2px;">2</div>											
Deposit		\$20.00	<b>2 0 00</b> <div style="display: inline-block; border: 1px solid black; padding: 2px; margin-top: 2px;">DEPOSIT +</div>											
Payment	Cash	\$10.00	<div style="display: inline-block; border: 1px solid black; padding: 2px; margin-top: 2px;">CA/AMT /TEND</div>											



# Advanced Operations

## Bill copy

### Example

To issue a copy of a bill dated June 18, 2010 in the amount of \$35.00 cash.

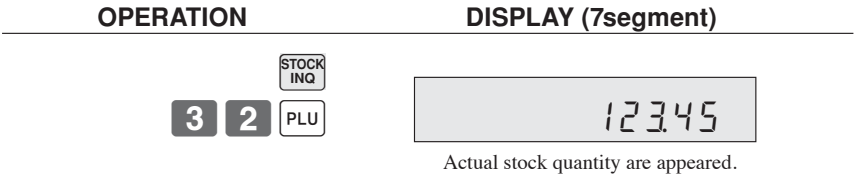
OPERATION	RECEIPT
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="display: flex; gap: 5px;"> <span style="border: 1px solid black; padding: 2px 5px;">1</span> <span style="border: 1px solid black; padding: 2px 5px;">8</span> <span style="border: 1px solid black; padding: 2px 5px;">0</span> <span style="border: 1px solid black; padding: 2px 5px;">6</span> <span style="border: 1px solid black; padding: 2px 5px;">2</span> <span style="border: 1px solid black; padding: 2px 5px;">0</span> <span style="border: 1px solid black; padding: 2px 5px;">1</span> <span style="border: 1px solid black; padding: 2px 5px;">0</span> </div> <div style="border: 1px solid black; padding: 2px; font-size: 8px;">BILL COPY</div> </div> <p style="text-align: center; font-size: 10px;">Enter date by date order.</p> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="display: flex; gap: 5px;"> <span style="border: 1px solid black; padding: 2px 5px;">3</span> <span style="border: 1px solid black; padding: 2px 5px;">5</span> <span style="border: 1px solid black; padding: 2px 5px;">00</span> </div> <div style="border: 1px solid black; padding: 2px; font-size: 8px;">CA/AMT / TEND</div> </div>	<pre> ** BILL TOP MESSAGE 1 ** ** BILL TOP MESSAGE 2 ** ** BILL TOP MESSAGE 3 ** ** BILL TOP MESSAGE 4 **  REG 18-06-2010 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 **                     </pre>
	<p>Bill top message <sup>*1</sup></p> <p>Bill copy message <sup>*1</sup></p> <p>Add-on tax amount</p> <p>Bill bottom message <sup>*1</sup></p> <p><sup>*1</sup> Programmable option</p>

## 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.



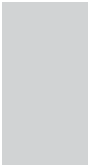
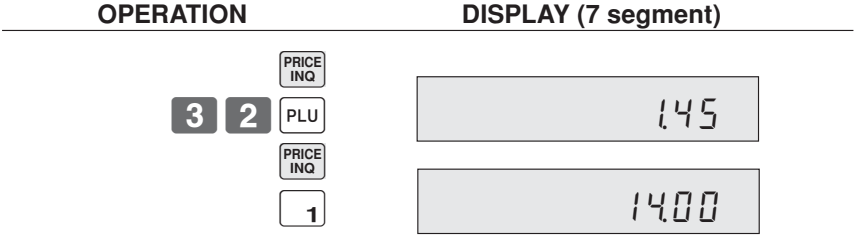
## Unit price inquiry

Use this operation to recall the unit prices of departments, 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, department 1.



Advanced Operations



# Advanced Operations

## Previous item void using <review>

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

### Example

			OPERATION	DISPLAY	
Item 1	Dept. 1	\$2.35	<div style="display: flex; justify-content: space-around; margin-bottom: 10px;"> <span style="border: 1px solid black; padding: 2px 5px;">2</span> <span style="border: 1px solid black; padding: 2px 5px;">3</span> <span style="border: 1px solid black; padding: 2px 5px;">5</span> <span style="border: 1px solid black; padding: 2px 5px;">1</span> </div> <div style="display: flex; justify-content: space-around; margin-bottom: 10px;"> <span style="border: 1px solid black; padding: 2px 5px;">2</span> <span style="border: 1px solid black; padding: 2px 5px;">00</span> <span style="border: 1px solid black; padding: 2px 5px;">2</span> </div> <div style="display: flex; justify-content: space-around;"> <span style="border: 1px solid black; padding: 2px 5px;">1</span> <span style="border: 1px solid black; padding: 2px 5px;">PLU</span> </div> <div style="text-align: center; margin-top: 10px;"> <span style="border: 1px solid black; padding: 2px 5px;">REVIEW</span>            Review the item to be corrected.         </div> <div style="text-align: center; margin-top: 10px;"> <span style="border: 1px solid black; padding: 2px 5px;">VOID</span>            Press &lt;VOID&gt; to correct.         </div> <div style="text-align: center; margin-top: 10px;"> <span style="border: 1px solid black; padding: 2px 5px;">CA/AMT /TEND</span> </div>	1 ST DEPT01	·2.35 <b>2.35</b>
	Quantity	1		2 ST DEPT02	·4.35 <b>2.00</b>
Item 2	Dept. 2	\$2.00		3 ST PLU001	·5.55 <b>1.20</b>
Item 3	PLU 1	(\$1.20) <sub>preset</sub>	** REVIEW ** DEPT01 1 QT <b>2.35</b>		
	Quantity	1	** REVIEW ** DEPT02 1 QT <b>2.00</b>		
Correted Item 1	Dept. 1	\$2.35	CASH <b>3.20</b>		
Quantity	1				
Payment	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

OPERATION			RECEIPT			
Item 1 (scan)	Scan-PLU	(\$2.35)	<p><b>“Scanning”</b></p> <p>1 2 3 4 5 6 OBR</p> <p>Scanning-PLU code and OBR key</p> <p>NLU</p> <p>One touch NLU</p> <p>CA / AMT / TEND</p>	1 Scan-PLU01	·2.35	Scanning PLU code *1
	PLU code	49012347		#49012347		
Item 2 (code)	Scan-PLU	(\$2.00)		1 Scan-PLU02	·2.00	*1 Programmable option
	PLU code	123456		#123456		
Item 3 (OTN)	Scan-PLU	(\$1.23)		1 Scan-PLU03	·1.23	
	PLU code	49012354		#49012354		
Payment	Cash	\$5.58	TL	- 5.58		
			CASH	·5.58		

### 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.

OPERATION			RECEIPT			
Item 1 (scan)	Scan-PLU	(\$1.00)	<p><b>“Scanning”</b></p> <p>Does not exist in the scanning PLU file</p> <p><b>“Not Found Error”</b></p> <p>The display shows; “Not Found PLU Input Unit Price, and Press DEPT key”</p> <p>1 0 0 1</p> <p>Input price and press the linked department key.</p> <p><b>“Scanning”</b></p> <p>Register normally.</p> <p>CA / AMT / TEND</p>	1 DEPT01	·1.00	Link department descriptor / amount
	PLU code	49012361		#49012361		
	Dept.	1		1 DEPT01	·1.00	
Item 2 (code)	Scan-PLU	(\$1.00)		#49012361		
	PLU code	49012361		TL	- 2.00	
Payment	Cash	\$2.00		CASH	·2.00	

# Advanced Operations

## Age verification (For US only)

This function is used to prohibit the item registration for the person whose age is under the programmed value.

### Example

OPERATION			RECEIPT	
Item 1	Dept. 1	\$1.00	1 00 1	
	Quantity	1		AGE 05-03-1991 Birth date * 1 DEPT01 \$1.00 TL \$1.00 CASH \$1.00
	Age limit	18		
Item 2	Dept. 3	\$2.00	0 5 0 3	
	Quantity	1	1 9 9 1 AGE	
	Age limit	20		* This item can be skipped by programming.
Payment	Cash	\$1.00		
Birth date	May. 03. 1991		1 00 1	
Current date	Apr. 03. 2010		2 00 3	
			Error "PLEASE ENTER BIRTHDATE" occurs.	
			Enter birthdate by "MM-DD-YYYY" order.	
			Error "AGE DOES NOT PERMIT PRODUCT PURCHASE" occurs.	
			CA / AMT / TEND	

## Food stamp function (For US only)

### Food stamp registration No change due



OPERATION			RECEIPT	
Item 1	Dept. 1	\$1.00	1 00 1	
	Taxable	1, F/S	2 00 2	
Item 2	Dept. 2	\$2.00	F/S 3 00 3	
	Taxable	2		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
Item 3	Dept. 3	\$3.00		
	Taxable	No → F/S		
Payment	Food stamp	\$2.00	FS/ST	
	Cash	\$4.14	2 00 FS/TD	
			CA / AMT / TEND	
			Shifting food stamp status, press F/S key.	
			Press FSST, at the top of the food stamp tender.	

## Mixed food stamp / cash change

### Example 1

OPERATION			RECEIPT		
Item 1	Dept. 1	\$1.00	<b>1 00</b>	<b>1</b>	1 DEPT01 T1 F \$1.00
	Taxable	1, F/S	<b>F/S 2 00</b>	<b>2</b>	1 DEPT02 T2 F \$2.00
Item 2	Dept. 2	\$2.00	<b>F/S 3 00</b>	<b>3</b>	1 DEPT03 F \$3.00
	Taxable	2, F/S			TA1 \$1.00
Item 3	Dept. 3	\$3.00			TX1 \$0.04
	Taxable	F/S			TA2 \$2.00
Payment	Food stamp	\$7.00			TX2 \$0.10
					TL \$6.14
					FSST \$6.14
					FSTD \$7.00
					CG \$0.86

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

OPERATION			RECEIPT		
Item	Dept. 1	\$2.00	<b>2 00</b>	<b>1</b>	1 DEPT01 T1 F \$2.00
	Taxable	1, F/S			TA1 \$2.00
Payment	Food stamp	\$5.00			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.

# Advanced Operations

## Mixed food stamp / cash change (continued...)

### Example 3

OPERATION			RECEIPT																													
Item 1	Dept. 1	\$2.00	2 00	1	<table border="1"> <tr><td>1 DEPT01</td><td>T1 F</td><td>\$1.00</td></tr> <tr><td>1 DEPT04</td><td></td><td>\$0.50</td></tr> <tr><td>TA1</td><td></td><td>\$2.00</td></tr> <tr><td>TX1</td><td></td><td>\$0.08</td></tr> <tr><td>TL</td><td></td><td>\$2.58</td></tr> <tr><td>FSST</td><td></td><td>\$2.08</td></tr> <tr><td>FSTD</td><td></td><td>\$5.00</td></tr> <tr><td>FSCG</td><td></td><td>\$2.00</td></tr> <tr><td>CG</td><td></td><td>\$0.42</td></tr> </table>	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
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																														
	Taxable	1, F/S	5 0	4																												
Item 2	Dept. 4	\$0.50		FS/ST																												
	Taxable	No																														
Payment	Food stamp	\$5.00	5 00	FS/TD																												

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

OPERATION			RECEIPT																																						
Item 1	Dept. 1	\$1.00	1 00	1	<table border="1"> <tr><td>1 DEPT01</td><td>T1 F</td><td>\$1.00</td></tr> <tr><td>1 DEPT02</td><td>T2</td><td>\$2.00</td></tr> <tr><td>1 DEPT03</td><td></td><td>\$3.00</td></tr> <tr><td>TA1</td><td></td><td>\$1.00</td></tr> <tr><td>TX1</td><td></td><td>\$0.04</td></tr> <tr><td>TA2</td><td></td><td>\$2.00</td></tr> <tr><td>TX2</td><td></td><td>\$0.10</td></tr> <tr><td>TL</td><td></td><td>\$6.14</td></tr> <tr><td>FSST</td><td></td><td>\$1.04</td></tr> <tr><td>FSTD</td><td></td><td>\$5.00</td></tr> <tr><td>FSCG</td><td></td><td>\$3.00</td></tr> <tr><td>CASH</td><td></td><td>\$4.14</td></tr> </table>	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
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																																							
	Taxable	1, F/S	2 00	2																																					
Item 2	Dept. 2	\$2.00	3 00	3																																					
	Taxable	2		FS/ST																																					
Item 3	Dept. 3	\$3.00																																							
	Taxable	No	5 00	FS/TD																																					
Payment	Food stamp	\$5.00																																							
	Cash	\$4.14		CA/AMT/TEND																																					

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

OPERATION			RECEIPT																												
Item 1	Dept. 1	\$1.00	1	00	1	<table border="1"> <tr><td>1</td><td>DEPT01</td><td>T1</td><td>F</td><td>\$1.00</td></tr> <tr><td>1</td><td>DEPT01</td><td>T1</td><td>F</td><td>\$2.00</td></tr> <tr><td>1</td><td>DEPT04</td><td></td><td>F</td><td>\$3.00</td></tr> <tr><td></td><td>FSST</td><td></td><td></td><td>\$6.00</td></tr> <tr><td></td><td>FSTD</td><td></td><td></td><td>\$6.00</td></tr> </table>	1	DEPT01	T1	F	\$1.00	1	DEPT01	T1	F	\$2.00	1	DEPT04		F	\$3.00		FSST			\$6.00		FSTD			\$6.00
	1	DEPT01	T1	F	\$1.00																										
1	DEPT01	T1	F	\$2.00																											
1	DEPT04		F	\$3.00																											
	FSST			\$6.00																											
	FSTD			\$6.00																											
	Taxable	1, F/S	2	00	1																										
Item 2	Dept. 1	\$2.00	3	00	4																										
		Taxable					FS/ST																								
Item 3	Dept. 4	\$3.00																													
		Taxable				FS/ST																									
Payment	Food stamp	\$6.00	6	00	FS/TD																										

#### Example 2

OPERATION			RECEIPT																																											
Item 1	Dept. 1	\$2.00	2	00	1	<table border="1"> <tr><td>1</td><td>DEPT01</td><td>T1</td><td>F</td><td>\$2.00</td></tr> <tr><td>1</td><td>DEPT01</td><td>T1</td><td>F</td><td>\$3.00</td></tr> <tr><td>1</td><td>DEPT04</td><td>T1</td><td>F</td><td>\$4.00</td></tr> <tr><td></td><td>FSST</td><td></td><td></td><td>\$9.00</td></tr> <tr><td></td><td>FSTD</td><td></td><td></td><td>\$5.00</td></tr> <tr><td></td><td>TA1</td><td></td><td></td><td>\$4.00</td></tr> <tr><td></td><td>TX1</td><td></td><td></td><td>\$0.16</td></tr> <tr><td></td><td>CASH</td><td></td><td></td><td>\$4.16</td></tr> </table>	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
	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																																										
	Taxable	1, F/S	3	00	1																																									
Item 2	Dept. 1	\$3.00	4	00	4																																									
		Taxable				FS/ST																																								
Item 3	Dept. 4	\$4.00																																												
		Taxable				FS/ST																																								
Payment	Food stamp	\$5.00	5	00	FS/TD																																									
	Cash	\$4.16			CA/AMT/TEND																																									



## Mixed food stamp / cash change

### Example 1

			OPERATION	RECEIPT																					
Item 1	Dept. 1	\$1.50	<b>1 5 0</b> <input type="text" value="1"/>	<table border="1"> <tr><td>1 DEPT01</td><td>T1 F</td><td>\$1.50</td></tr> <tr><td>1 DEPT01</td><td>T1 F</td><td>\$2.00</td></tr> <tr><td>1 DEPT04</td><td>F</td><td>\$3.00</td></tr> <tr><td>FSST</td><td></td><td>\$6.50</td></tr> <tr><td>FSTD</td><td></td><td>\$10.00</td></tr> <tr><td>FSCG</td><td></td><td>\$3.00</td></tr> <tr><td>CG</td><td></td><td>\$0.50</td></tr> </table>	1 DEPT01	T1 F	\$1.50	1 DEPT01	T1 F	\$2.00	1 DEPT04	F	\$3.00	FSST		\$6.50	FSTD		\$10.00	FSCG		\$3.00	CG		\$0.50
	1 DEPT01	T1 F	\$1.50																						
1 DEPT01	T1 F	\$2.00																							
1 DEPT04	F	\$3.00																							
FSST		\$6.50																							
FSTD		\$10.00																							
FSCG		\$3.00																							
CG		\$0.50																							
	Taxable	1, F/S	<b>2 00</b> <input type="text" value="1"/>																						
Item 2	Dept. 1	\$2.00	<b>3 00</b> <input type="text" value="4"/>																						
	Taxable	1, F/S	<input type="text" value="FS/ST"/>																						
Item 3	Dept. 4	\$3.00																							
	Taxable	F/S																							
Payment	Food stamp	\$10.00	<b>1 0 00</b> <input type="text" value="FS/TD"/>																						

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

			OPERATION	RECEIPT												
Item	Dept. 1	\$2.00	<b>2 00</b> <input type="text" value="1"/>	<table border="1"> <tr><td>1 DEPT01</td><td>T1 F</td><td>\$2.00</td></tr> <tr><td>FSST</td><td></td><td>\$2.00</td></tr> <tr><td>FSTD</td><td></td><td>\$5.00</td></tr> <tr><td>FSCG</td><td></td><td>\$3.00</td></tr> </table>	1 DEPT01	T1 F	\$2.00	FSST		\$2.00	FSTD		\$5.00	FSCG		\$3.00
	1 DEPT01	T1 F	\$2.00													
FSST		\$2.00														
FSTD		\$5.00														
FSCG		\$3.00														
	Taxable	1, F/S	<input type="text" value="FS/ST"/>													
Payment	Food stamp	\$5.00	<b>5 00</b> <input type="text" value="FS/TD"/>													



# Advanced Operations

## Mixed food stamp / cash change (continued...)

### Example 3

OPERATION			RECEIPT																																							
Item 1	Dept. 1	\$2.00	2	00	1	<table border="1"> <tr><td>1</td><td>DEPT01</td><td>T1 F</td><td>\$2.00</td></tr> <tr><td>1</td><td>DEPT01</td><td>T1 F</td><td>\$1.20</td></tr> <tr><td>1</td><td>DEPT03</td><td>T1</td><td>\$0.30</td></tr> <tr><td></td><td>TA1</td><td></td><td>\$0.30</td></tr> <tr><td></td><td>TX1</td><td></td><td>\$0.01</td></tr> <tr><td></td><td>FSST</td><td></td><td>\$3.20</td></tr> <tr><td></td><td>FSTD</td><td></td><td>\$5.00</td></tr> <tr><td></td><td>FSCG</td><td></td><td>\$1.00</td></tr> <tr><td></td><td>CG</td><td></td><td>\$0.49</td></tr> </table>	1	DEPT01	T1 F	\$2.00	1	DEPT01	T1 F	\$1.20	1	DEPT03	T1	\$0.30		TA1		\$0.30		TX1		\$0.01		FSST		\$3.20		FSTD		\$5.00		FSCG		\$1.00		CG		\$0.49
1	DEPT01	T1 F	\$2.00																																							
1	DEPT01	T1 F	\$1.20																																							
1	DEPT03	T1	\$0.30																																							
	TA1		\$0.30																																							
	TX1		\$0.01																																							
	FSST		\$3.20																																							
	FSTD		\$5.00																																							
	FSCG		\$1.00																																							
	CG		\$0.49																																							
	Taxable	1, F/S	1	2	0																																					
Item 2	Dept. 1	\$1.20	3	0	3																																					
	Taxable	1, F/S			FS/ST																																					
Item 3	Dept. 3	\$0.30																																								
	Taxable	1																																								
Payment	Food stamp	\$5.00	5	00	FS/TD																																					

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 (\$0.31 includes tax) purchase is automatically deducted from the \$0.80 cash due in change from the food stamp purchase.

### Example 4

OPERATION			RECEIPT																															
Item 1	Dept. 1	\$1.00	1	00	1	<table border="1"> <tr><td>1</td><td>DEPT01</td><td>T1 F</td><td>\$1.00</td></tr> <tr><td>1</td><td>DEPT01</td><td>T1 F</td><td>\$2.50</td></tr> <tr><td>1</td><td>DEPT03</td><td></td><td>\$5.00</td></tr> <tr><td></td><td>FSST</td><td></td><td>\$3.50</td></tr> <tr><td></td><td>FSTD</td><td></td><td>\$5.00</td></tr> <tr><td></td><td>FSCG</td><td></td><td>\$1.00</td></tr> <tr><td></td><td>CASH</td><td></td><td>\$4.50</td></tr> </table>	1	DEPT01	T1 F	\$1.00	1	DEPT01	T1 F	\$2.50	1	DEPT03		\$5.00		FSST		\$3.50		FSTD		\$5.00		FSCG		\$1.00		CASH		\$4.50
1	DEPT01	T1 F	\$1.00																															
1	DEPT01	T1 F	\$2.50																															
1	DEPT03		\$5.00																															
	FSST		\$3.50																															
	FSTD		\$5.00																															
	FSCG		\$1.00																															
	CASH		\$4.50																															
	Taxable	1, F/S	2	5	0																													
Item 2	Dept. 1	\$2.50	5	00	3																													
	Taxable	1, F/S			FS/ST																													
Item 3	Dept. 3	\$5.00																																
	Taxable	No																																
Payment	Food stamp	\$5.00	5	00	FS/TD																													
	Cash	\$4.50			CA/AMT /TEND																													

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, non-food stamp items cannot be paid for using an EBT card. In this case, the following applies:

- $ST - (EBT/TEND - FS/ST) = \text{Balance due}$  (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:

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

## No change due

### Example 1

OPERATION			RECEIPT																				
Item 1	Dept. 1	\$1.00	<b>1</b> <b>00</b> <b>1</b>	<table border="1"> <tr> <td>1 DEPT01</td> <td>T1 F</td> <td>\$1.00</td> </tr> <tr> <td>1 DEPT02</td> <td>T2 F</td> <td>\$2.00</td> </tr> <tr> <td>1 DEPT03</td> <td>F</td> <td>\$2.00</td> </tr> <tr> <td>TL</td> <td></td> <td>\$6.00</td> </tr> <tr> <td>FSST</td> <td></td> <td>\$6.00</td> </tr> <tr> <td>EBTTD</td> <td></td> <td>\$6.00</td> </tr> </table>		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
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																					
	Taxable	1, F/S	<b>2</b> <b>00</b> <b>2</b>																				
Item 2	Dept. 2	\$2.00	<b>3</b> <b>00</b> <b>3</b>																				
	Taxable	2, F/S	FS/ST																				
Item 3	Dept. 3	\$3.00																					
	Taxable	F/S																					
Payment	EBT	\$6.00	<b>6</b> <b>00</b> <b>EBT</b>																				

# Advanced Operations

## Example 2

OPERATION			RECEIPT																											
Item 1	Dept. 1	\$1.00	1	00	1	<table border="1"> <tr><td>1 DEPT01</td><td>T1 F</td><td>\$1.00</td></tr> <tr><td>1 DEPT02</td><td>T1 F</td><td>\$2.00</td></tr> <tr><td>1 DEPT03</td><td>T1</td><td>\$3.00</td></tr> <tr><td>FSST</td><td></td><td>\$3.00</td></tr> <tr><td>EBTTD</td><td></td><td>\$5.00</td></tr> <tr><td>TA1</td><td></td><td>\$3.00</td></tr> <tr><td>TX1</td><td></td><td>\$0.12</td></tr> <tr><td>CASH</td><td></td><td>\$1.12</td></tr> </table>	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
	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																												
	Taxable	1, F/S	2	00	2																									
Item 2	Dept. 2	\$2.00	3	00	3																									
	Taxable	1, F/S																												
Item 3	Dept. 3	\$3.00																												
	Taxable	1																												
Payment	EBT	\$5.00																												
	Cash	\$1.12	5	00	EBT																									
					CA/AMT TEND																									

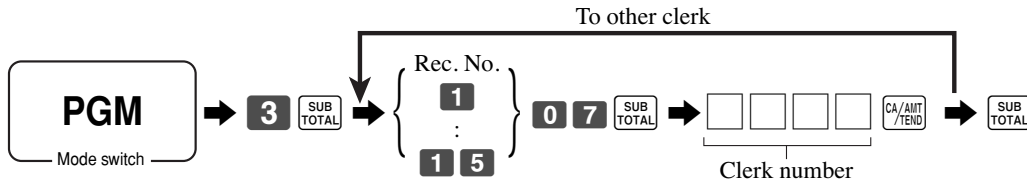
## Change due

OPERATION			RECEIPT																											
Item 1	Dept. 1	\$1.00	1	00	1	<table border="1"> <tr><td>1 DEPT01</td><td>T1 F</td><td>\$1.00</td></tr> <tr><td>1 DEPT02</td><td>T1 F</td><td>\$1.20</td></tr> <tr><td>1 DEPT03</td><td>T1</td><td>\$0.30</td></tr> <tr><td>TA1</td><td></td><td>\$0.30</td></tr> <tr><td>TX1</td><td></td><td>\$0.01</td></tr> <tr><td>FSST</td><td></td><td>\$2.20</td></tr> <tr><td>EBTTD</td><td></td><td>\$5.00</td></tr> <tr><td>CG</td><td></td><td>\$2.49</td></tr> </table>	1 DEPT01	T1 F	\$1.00	1 DEPT02	T1 F	\$1.20	1 DEPT03	T1	\$0.30	TA1		\$0.30	TX1		\$0.01	FSST		\$2.20	EBTTD		\$5.00	CG		\$2.49
	1 DEPT01	T1 F	\$1.00																											
1 DEPT02	T1 F	\$1.20																												
1 DEPT03	T1	\$0.30																												
TA1		\$0.30																												
TX1		\$0.01																												
FSST		\$2.20																												
EBTTD		\$5.00																												
CG		\$2.49																												
	Taxable	1, F/S	1	2	0																									
Item 2	Dept. 2	\$1.20	3	0	3																									
	Taxable	1, F/S																												
Item 3	Dept. 3	\$0.30																												
	Taxable	1																												
Payment	EBT	\$5.00																												
			5	00	EBT																									

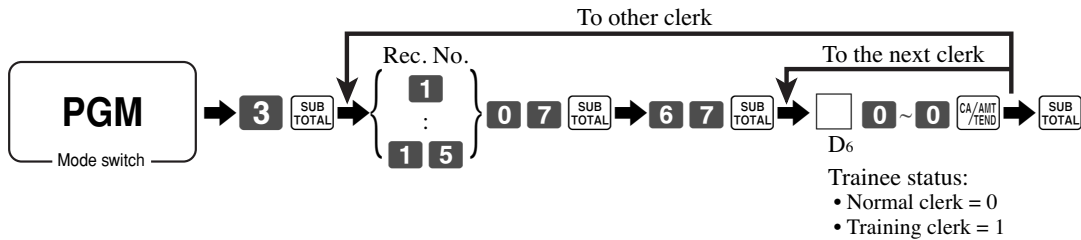
## Programming to clerk

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.

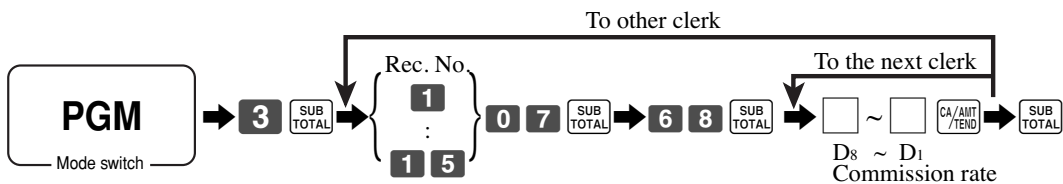
### Programming clerk number



### Programming trainee status



### Programming commission rate



Record No.	Clerk number				Trainee status		Commission rate							
							Commission rate 1				Commission rate 2			
	D <sub>4</sub>	D <sub>3</sub>	D <sub>2</sub>	D <sub>1</sub>	D <sub>6</sub>	0000	Integer		Decimal		Integer		Decimal	
1						0000	D <sub>8</sub>	D <sub>7</sub>	D <sub>6</sub>	D <sub>5</sub>	D <sub>4</sub>	D <sub>3</sub>	D <sub>2</sub>	D <sub>1</sub>
2						0000								
3						0000								
4						0000								
5						0000								
6						0000								
7						0000								
8						0000								
9						0000								
10						0000								
11						0000								
12						0000								
13						0000								
14						0000								
15						0000								

# Advanced Operations

Character programming can be performed in two ways:

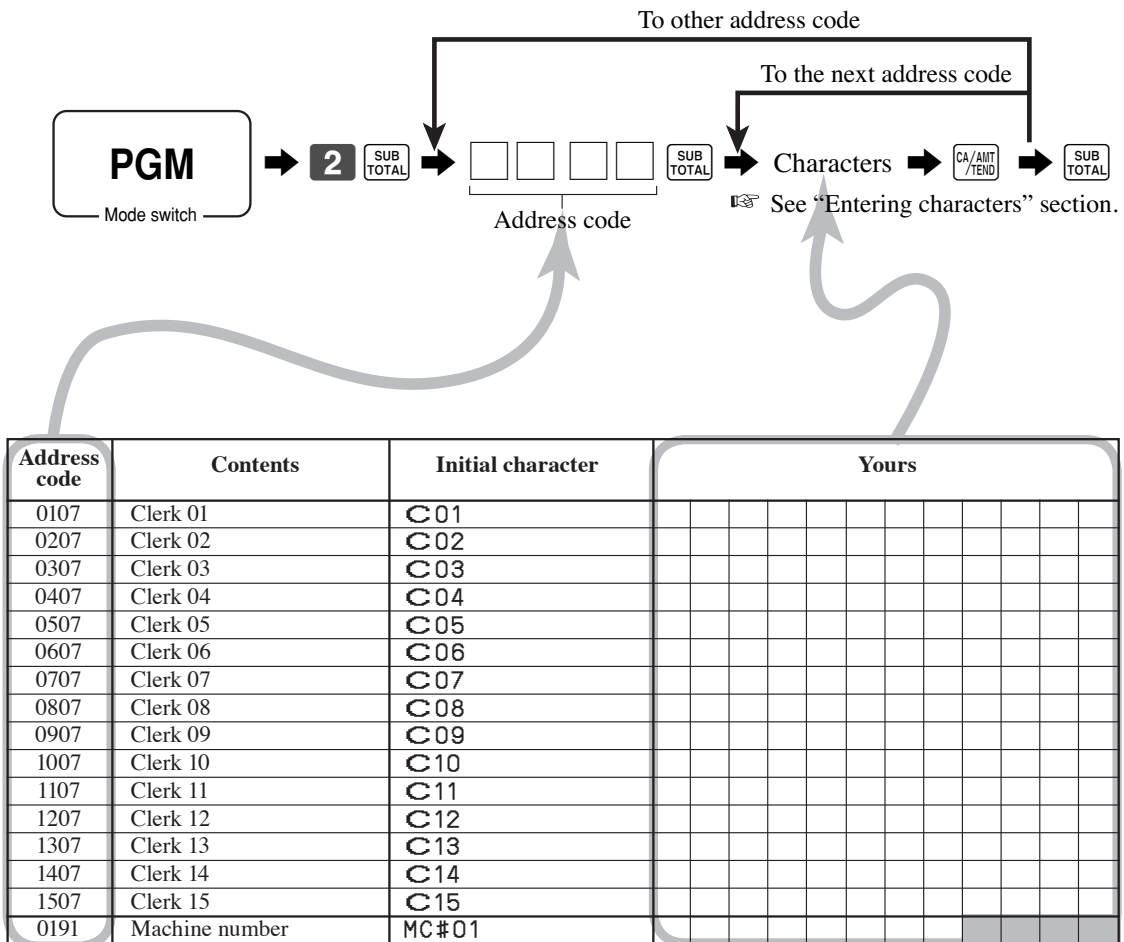
- Character keyboard programming (see page 105 - 106),  
or
- Entering characters by code (see page 107).

## 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

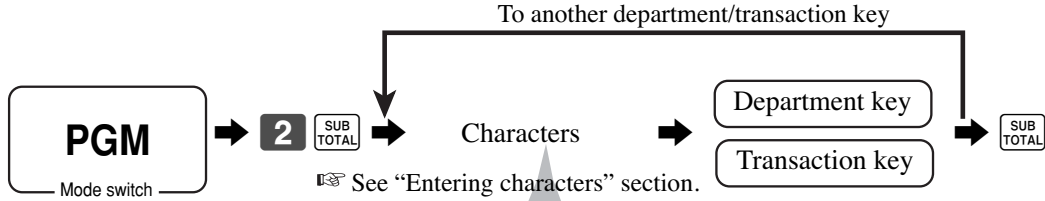
### Programming receipt message, machine No. and clerk name



Address code	Contents	Initial character	Yours
0132	1st line of logo message	<b>YOUR RECEIPT</b>	
0232	2nd line of logo message	<b>THANK YOU</b>	
0332	3rd line of logo message	<b>CALL AGAIN</b>	
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	<b>DUPLICATE RECEIPT</b>	
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.		
4032	1st line of Australian GST MOF msg.	<b>TAX INVOICE</b>	
4132	2nd line of Australian GST MOF msg.	<b>* INDICATES</b>	
4232	3rd line of Australian GST MOF msg.	<b>TAXABLE SUPPLY</b>	

# Advanced Operations

## Programming department / transaction 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												
Department 16	DEPT16												
Department 17	DEPT17												
Department 18	DEPT18												
Department 19	DEPT19												
Department 20	DEPT20												
Department 21	DEPT21												
Department 22	DEPT22												
Department 23	DEPT23												
Department 24	DEPT24												
Department 25	DEPT25												
:	:												

**SE-S6000 for Asia, Oceania and other countries**

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												
Coupon	COUPON												
Premium	%+												
Discount	%-												
Refund	RF												
Correction	CORR												
Price	PRC												
Receipt	RCT												
Non add / No sale	#/NS												
VAT	VAT												
Currency exchange 1	CE												
Currency exchange 2	CE												
Open	OPEN												
Subtotal	SUBTOTAL												
Receipt on / off	RCT ON/OFF												
Multiplication	X												
Two zero	00												
Decimal point	.												
Clerk number	CLK#												
2nd@	PRICE SHIFT												
PLU	PLU#												
Reduction	-												
Sign off	SIGN OFF												
New Check	NEW CHK												
Old Check	OLD CHK												
Table Transfer	TBL TRANS												
New Balance	NB												

**SE-S6000 for US and Canada**

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												
Price	PRC												
Open	OPEN												
Tax shift 1	T/S1												
Tax shift 2	T/S2												
Clerk number	CLK#												
Subtotal	SUBTOTAL												
Receipt on / off	RCT ON/OFF												
Multiplication / for / Date time	QT												
Two zero	00												
Decimal point	.												
2nd@	PRICE SHIFT												
PLU	PLU#												
Sign off	SIGN OFF												
New Check	NEW CHK												
Old Check	OLD CHK												
Table Transfer	TBL TRANS												
New Balance	NB												
Age Verification	AGE												
Coupon	COUPON												
Premium	%+												



# Advanced Operations

## SE-C6000 for Asia, Oceania and other countries

Contents	Initial character	Yours											
Cash / Amount tendered	CASH												
Charge	CHARGE												
Check	CHECK												
Received on account	RC												
Paid out	PD												
Discount	%-												
Refund	RF												
Correction	CORR												
Receipt	RCT												
Non add / No sale	#/NS												
Menu shift	MENU												
Subtotal	SUBTOTAL												
Receipt on / off	RCT ON/OFF												
Multiplication	X												
Two zero	00												
Decimal point	.												
2nd@	PRICE SHIFT												
PLU	PLU#												
Reduction	-												
Clerk number	CLK#												
Sign off	SIGN OFF												
New Check	NEW CHK												
Old Check	OLD CHK												
New Balance	NB												
Coupon	COUPON												
PLU	PLU#												
Currency Exchange	CE												

## SE-C6000 for US and Canada

Contents	Initial character	Yours											
Cash / Amount tendered	CASH												
Charge	CHARGE												
Check	CHECK												
Received on account	RC												
Paid out	PD												
Minus	-												
Discount	%-												
Refund	RF												
Correction	CORR												
Receipt	RCT												
Non add / No sale	#/NS												
Menu shift	MENU												
Tax shift 1	T/S1												
Tax shift 2	T/S2												
Clerk number	CLK#												
Sign off	SIGN OFF												
Subtotal	SUBTOTAL												
Receipt on / off	RCT ON/OFF												
Multiplication / for / Date time	QT												
Two zero	00												
Decimal point	.												
2nd@	PRICE SHIFT												
PLU	PLU#												
New Check	NEW CHK												
Old Check	OLD CHK												
New Balance	NB												

## Entering characters

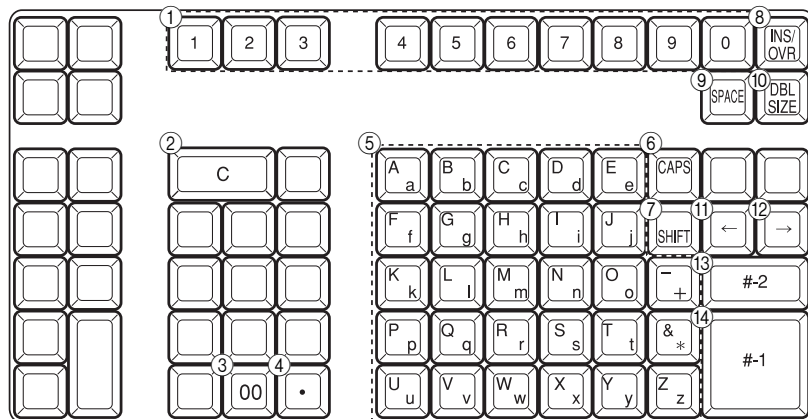
In this section, the method to enter descriptors or messages (characters) to the cash register during programming is described.

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 (For SE-S6000)

#### Example:


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



- ① **Numeric keys**  
Press these keys to input numbers.
- ② **Clear key**  
Press this key to clear all input characters in the programming.
- ③ **Character fixed key**  
Press this key to enter when the alphabetic entry for a descriptor, name or message has been completed.
- ④ **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.)
- ⑤ **Alphabet keys**  
Press these keys to input characters.
- ⑥ **CAPS Key**  
Pressing this key shifts the character from the lowercase letter to upper case letter and ex-alphabet characters.
- ⑦ **Shift key**  
Pressing this key shifts the character from the uppercase letter to lowercase letter.
- ⑧ **Insert / Override key**  
Press this key to change the status “Insert” between the original characters or “Override” the original characters.
- ⑨ **Space key**  
Press this key to set a space.
- ⑩ **Double size letter key**  
Press this key to specify that the next character you input to a double size character.
- ⑪ **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.
- ⑫ **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.
- ⑬ **Program end key**  
Press this key to terminate the character programming.
- ⑭ **Character enter key**  
Press this key to register the programmed 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	â	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
É	144	á	160	■	176	ℓ	192	ò	208	Ó	224	-	240
æ	145	í	161	■	177	⊥	193	ð	209	β	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	Ë	212	ō	228	¶	244
ò	149	Ñ	165	Á	181	†	197	€	213	Õ	229	§	245
û	150	ª	166	Â	182	ã	198	Í	214	μ	230	÷	246
ù	151	º	167	À	183	Ã	199	Î	215	þ	231	,	247
ÿ	152	¿	168	©	184	ℓ	200	Ï	216	Ɔ	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
∅	157	¡	173	¢	189	—	205	l	221	Ý	237	²	253
×	158	«	174	¥	190	†	206	ì	222	ˉ	238	■	254
f	159	»	175	⌈	191	▣	207	■	223	'	239	Double size	255

# Advanced Operations

## Editing characters

### Correcting a character just entered

OPERATION	DISPLAY (dot)
“L” “E” “N” “O” “N”    ⇐ Enter LENON, instead of LEMON. ①	① LEMON
⇐ ⇐ ⇐    ⇐ Press left arrow key three times. ②	② LNON
<b>INS/OVR</b> ⇐ Override mode ③	③ LNON *
“M”    ⇐ Enter “M”. ④	④ LMON *

\* means “OVR” mode.

### Correcting and adding a PLU descriptor already set

OPERATION	DISPLAY (dot)
<b>00</b> ⇐ Enter “00”. ①	① lemon
<b>1 5</b> <b>PLU</b> ⇐ Enter PLU No. ②	② Soda lemon
“S” <b>Shift</b> “o” “d” “a” “ ”    ⇐ Enter “Soda” and “space”. ②	③ Soda lemon *
<b>INS/OVR</b> ⇐ Override mode ③	④ Soda lemon *
<b>CAPS</b> “L”    ⇐ Enter “L”. ④	

### Correcting a key descriptor already set

OPERATION	DISPLAY (dot)
<b>00</b> ⇐ Enter “00”. ①	① LEMON
<b>1</b> ⇐ Designate an appropriate key. ①	② LNON
⇐ ⇐    ⇐ Press right arrow key two times. ②	③ LNON
“M”    ⇐ Enter “M”. ③	④ LMON
<b>.</b> ⇐ Delete “N”. ④	

### Correcting a message descriptor already set

OPERATION	DISPLAY (dot)
<b>0 1 0 1</b> <b>SUB TOTAL</b> ⇐ Enter record and file number. ①	① GRASS
⇐ ⇐    ⇐ Press right arrow key two times. ②	② GRASS
“O”    ⇐ Enter “O”. ③	③ GROSS
<b>.</b> ⇐ Delete “A”. ④	④ GROSS

## Printing read / reset reports

### • Daily sales read report (“X” 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 (“Z” mode)

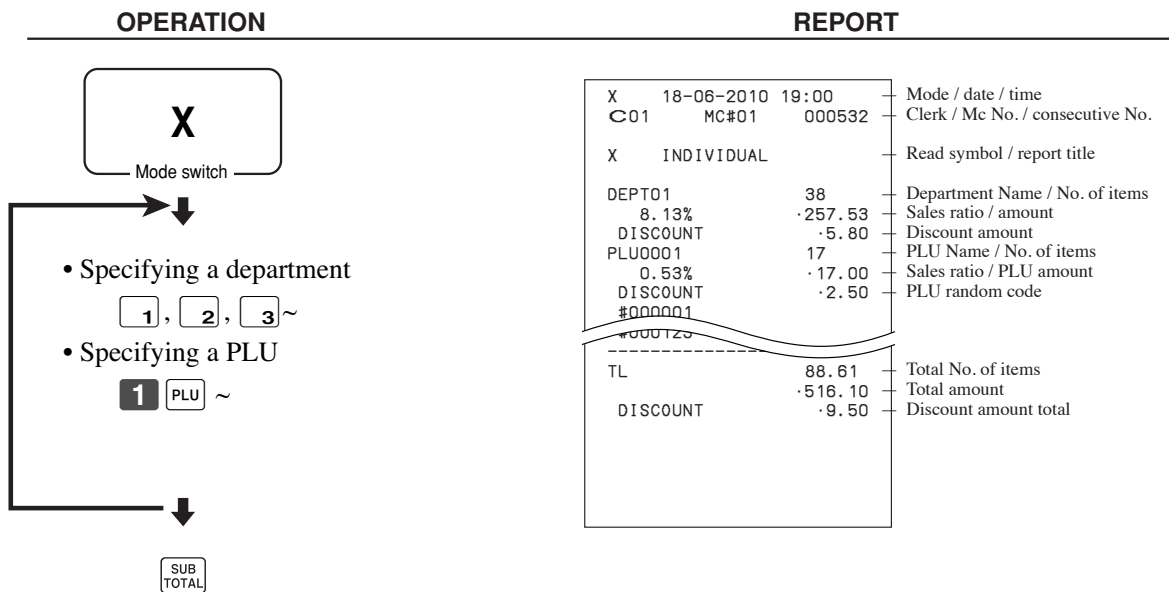
You should print reset reports at the end of the business day.

#### Important!

- The reset operation issues a report and also clears all printed 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 read report

This report shows sales for specific departments or PLUs.

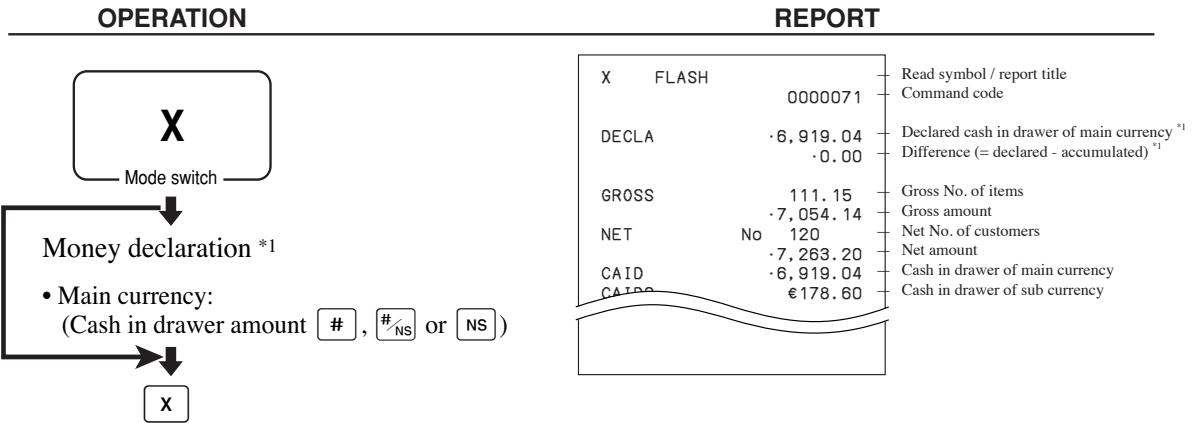


After you finish to select items, press SUB TOTAL to terminate.

# Advanced Operations

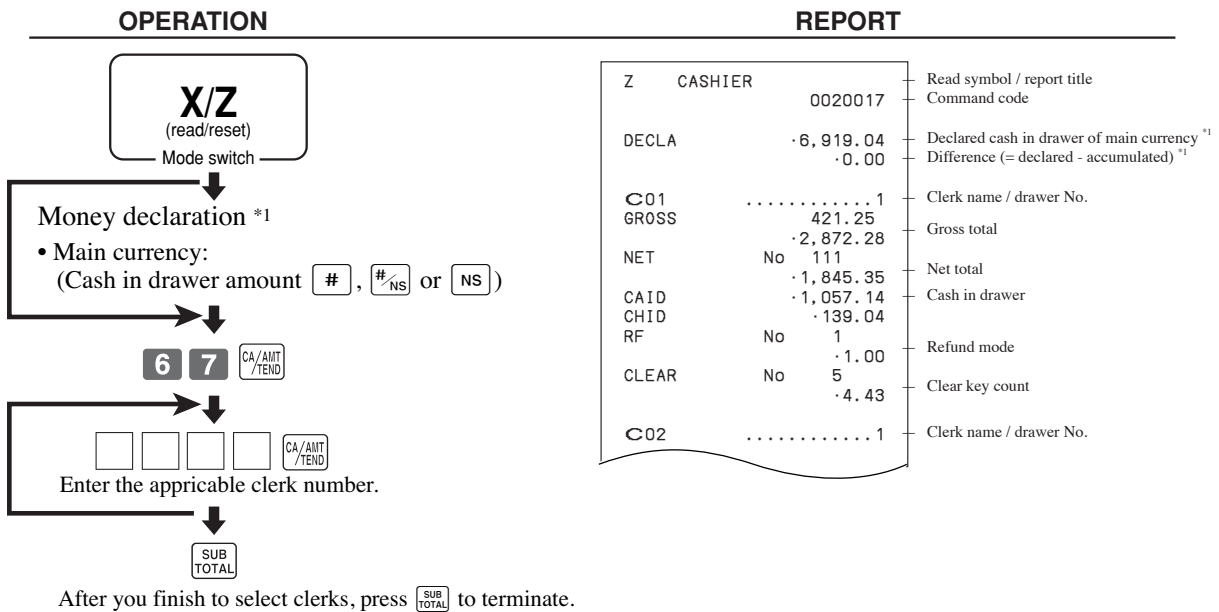
## To print the financial read report

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



## To print the individual clerk read / reset report

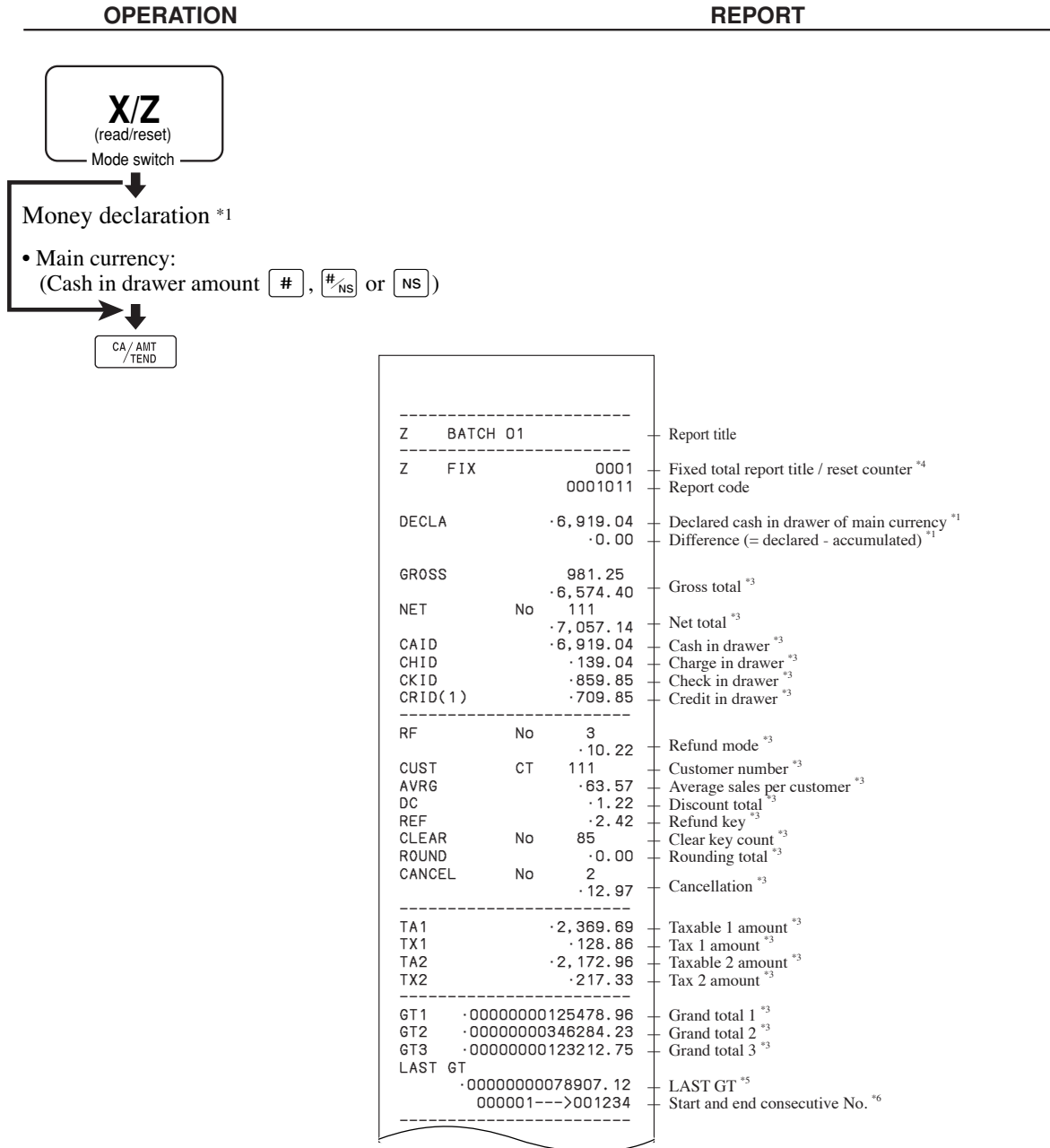
This report shows individual clerk totals.



\*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.





# Advanced Operations

Z	TRANS		0001	Function key report title / reset counter
			0001012	Report code
CASH	No	362		
		·1,638.04		Function key count / amount *2
CHARGE	No	56		
		·1,174.85		
RC	No	4		
		·810.00		
PD	No	5		
		·520.00		
-----				
CORR	No	14		
		·39.55		
VLD	No	19		
RCT	No	3		
NS	No	5		
-----				
Z	DEPT		0001	Department report title / reset counter
			0001015	Report code
DEPT01		38		Department name / No. of items *2
	8.13%	·257.53		Sales ratio / amount *2
DISCOUNT		·5.80		Discount amount *2
DEPT02		183		
		·1,362.26		
		·17.22		
-----				
TL		88.61		Total No. of items
		·1,916.10		Total amount
DISCOUNT		·9.50		Discount amount total
-----				
Z	CASHIER		0001	Clerk report title / reset counter
			0001017	Report code
C01	.....	1		Clerk name / drawer No.
GROSS		421.25		
		·2,872.28		Gross total
NET	No	111		Net total
		·1,845.35		
CAID		·1,057.14		Cash in drawer
CHID		·139.04		
RF	No	1		Refund mode
		·1.00		
CLEAR	No	5		Clear key count
		·4.43		
C02	.....	1		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.

\*5 Machine feature programming is necessary.

\*6 Machine feature programming is necessary.

## To print the PLU read / reset report

This report shows sales for PLUs.

OPERATION	REPORT																																																
<p style="text-align: center;"><b>X/Z</b> (read/reset) Mode switch</p> <p style="text-align: center;">↓</p> <p style="text-align: center;"><b>0 1 4</b> CA/AMT/TEND</p>	<table border="1"> <tr> <td>X</td> <td>PLU</td> <td>0000014</td> <td>Read symbol / report title Report code</td> </tr> <tr> <td>PLU0001</td> <td></td> <td>17</td> <td>PLU name / No. of items</td> </tr> <tr> <td>0.53%</td> <td></td> <td>·17.00</td> <td>Sales ratio / PLU amount</td> </tr> <tr> <td>DISCOUNT</td> <td></td> <td>·2.50</td> <td>Discount amount</td> </tr> <tr> <td>#000001</td> <td></td> <td></td> <td>PLU random code</td> </tr> <tr> <td>PLU0100</td> <td></td> <td>42</td> <td></td> </tr> <tr> <td>4.03%</td> <td></td> <td>·69.00</td> <td></td> </tr> <tr> <td>DISCOUNT</td> <td></td> <td>·0.50</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: center;">-----</td> </tr> <tr> <td>TL</td> <td></td> <td>188.61</td> <td>Total No. of items</td> </tr> <tr> <td></td> <td></td> <td>·516.10</td> <td>Total amount</td> </tr> <tr> <td>DISCOUNT</td> <td></td> <td>·9.50</td> <td>Discount amount total</td> </tr> </table>	X	PLU	0000014	Read symbol / report title Report code	PLU0001		17	PLU name / No. of items	0.53%		·17.00	Sales ratio / PLU amount	DISCOUNT		·2.50	Discount amount	#000001			PLU random code	PLU0100		42		4.03%		·69.00		DISCOUNT		·0.50		-----				TL		188.61	Total No. of items			·516.10	Total amount	DISCOUNT		·9.50	Discount amount total
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TL		188.61	Total No. of items																																														
		·516.10	Total amount																																														
DISCOUNT		·9.50	Discount amount total																																														

## To print the hourly sales read / reset report

This report shows hourly breakdowns of sales.

OPERATION	REPORT																																																																				
<p style="text-align: center;"><b>X/Z</b> (read/reset) Mode switch</p> <p style="text-align: center;">↓</p> <p style="text-align: center;"><b>0 1 9</b> CA/AMT/TEND</p>	<table border="1"> <tr> <td>X</td> <td>HOURLY</td> <td>0000019</td> <td>Read symbol / report title Report code</td> </tr> <tr> <td>00:00-&gt;01:00</td> <td></td> <td></td> <td>Time range</td> </tr> <tr> <td></td> <td>CT</td> <td>1</td> <td>No. of customers</td> </tr> <tr> <td>GROSS</td> <td></td> <td>·1.10</td> <td>Gross sales amount</td> </tr> <tr> <td>NET</td> <td>No</td> <td>1</td> <td>No. of receipt</td> </tr> <tr> <td>1.90%</td> <td></td> <td>·1.20</td> <td>Sales ratio / net sales amount</td> </tr> <tr> <td>23:00-&gt;00:00</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>CT</td> <td>1</td> <td></td> </tr> <tr> <td></td> <td></td> <td>·3.45</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: center;">-----</td> </tr> <tr> <td>NET</td> <td>No</td> <td>1</td> <td></td> </tr> <tr> <td>3.90%</td> <td></td> <td>·3.59</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: center;">-----</td> </tr> <tr> <td>TL</td> <td>CT</td> <td>280</td> <td>Total No. of customers</td> </tr> <tr> <td>GROSS</td> <td></td> <td>·1,937.61</td> <td>Gross total amount</td> </tr> <tr> <td>NET</td> <td>No</td> <td>25</td> <td>Total No. of receipt</td> </tr> <tr> <td></td> <td></td> <td>·2,096.80</td> <td>Net total amount</td> </tr> </table>	X	HOURLY	0000019	Read symbol / report title 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				·3.45		-----				NET	No	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
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# Advanced Operations

## To print the monthly sales read / reset report

This report shows monthly breakdowns of sales.

OPERATION	REPORT																																																																																
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p><b>X/Z</b> (read/reset) Mode switch</p> </div> <p style="text-align: center;">↓</p> <div style="display: flex; justify-content: center; gap: 10px; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; font-weight: bold;">0</div> <div style="border: 1px solid black; padding: 2px 5px; font-weight: bold;">2</div> <div style="border: 1px solid black; padding: 2px 5px; font-weight: bold;">0</div> <div style="border: 1px solid black; padding: 2px 5px; font-size: 8px;">CA / AMT / TEND</div> </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">X</td> <td style="width: 40%;">MONTHLY</td> <td style="width: 10%;">0000020</td> <td style="width: 40%;">Read symbol / report title</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Report code</td> </tr> <tr> <td></td> <td>1 . . . . .</td> <td></td> <td>Date of a month</td> </tr> <tr> <td></td> <td>GROSS</td> <td>1236.76</td> <td>Gross symbol / No. of items</td> </tr> <tr> <td></td> <td></td> <td>· 12,202.57</td> <td>Gross sales amount</td> </tr> <tr> <td></td> <td>NET</td> <td>No 214</td> <td>Net symbol / No. of customers</td> </tr> <tr> <td></td> <td></td> <td>· 12,202.57</td> <td>Net sales amount</td> </tr> <tr> <td></td> <td>31 . . . . .</td> <td></td> <td></td> </tr> <tr> <td></td> <td>GROSS</td> <td>2132</td> <td></td> </tr> <tr> <td></td> <td></td> <td>· 14,187.57</td> <td></td> </tr> <tr> <td></td> <td>NET</td> <td>No 205</td> <td></td> </tr> <tr> <td></td> <td></td> <td>· 13,398.76</td> <td></td> </tr> <tr> <td></td> <td colspan="3" style="text-align: center;">-----</td> </tr> <tr> <td></td> <td>TL</td> <td></td> <td>Total symbol</td> </tr> <tr> <td></td> <td>GROSS</td> <td>9746.63</td> <td>Gross symbol / No. of items</td> </tr> <tr> <td></td> <td></td> <td>· 161,022.49</td> <td>Gross sales amount</td> </tr> <tr> <td></td> <td></td> <td>· 16.52</td> <td>Average daily gross sales</td> </tr> <tr> <td></td> <td>NET</td> <td>No 2351</td> <td>Net symbol / No. of customers</td> </tr> <tr> <td></td> <td></td> <td>· 161,022.49</td> <td>Net sales amount</td> </tr> <tr> <td></td> <td></td> <td>· 68.49</td> <td>Average daily net sales</td> </tr> </table>	X	MONTHLY	0000020	Read symbol / report title				Report code		1 . . . . .		Date of a month		GROSS	1236.76	Gross symbol / No. of items			· 12,202.57	Gross sales amount		NET	No 214	Net symbol / No. of customers			· 12,202.57	Net sales amount		31 . . . . .				GROSS	2132				· 14,187.57			NET	No 205				· 13,398.76			-----				TL		Total symbol		GROSS	9746.63	Gross symbol / No. of items			· 161,022.49	Gross sales amount			· 16.52	Average daily gross sales		NET	No 2351	Net symbol / No. of customers			· 161,022.49	Net sales amount			· 68.49	Average daily net sales
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		· 12,202.57	Gross sales amount																																																																														
	NET	No 214	Net symbol / No. of customers																																																																														
		· 12,202.57	Net sales amount																																																																														
	31 . . . . .																																																																																
	GROSS	2132																																																																															
		· 14,187.57																																																																															
	NET	No 205																																																																															
		· 13,398.76																																																																															
	-----																																																																																
	TL		Total symbol																																																																														
	GROSS	9746.63	Gross symbol / No. of items																																																																														
		· 161,022.49	Gross sales amount																																																																														
		· 16.52	Average daily gross sales																																																																														
	NET	No 2351	Net symbol / No. of customers																																																																														
		· 161,022.49	Net sales amount																																																																														
		· 68.49	Average daily net sales																																																																														

## To print the group read / reset report

This report shows PLU / department group totals.

OPERATION	REPORT																																																								
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p><b>X/Z</b> (read/reset) Mode switch</p> </div> <p style="text-align: center;">↓</p> <div style="display: flex; justify-content: center; gap: 10px; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; font-weight: bold;">0</div> <div style="border: 1px solid black; padding: 2px 5px; font-weight: bold;">1</div> <div style="border: 1px solid black; padding: 2px 5px; font-weight: bold;">6</div> <div style="border: 1px solid black; padding: 2px 5px; font-size: 8px;">CA / AMT / TEND</div> </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">X</td> <td style="width: 40%;">GROUP</td> <td style="width: 10%;">0000016</td> <td style="width: 40%;">Read symbol / report title</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Report code</td> </tr> <tr> <td></td> <td>GROUP01</td> <td>203.25</td> <td>Group No. / No. of items</td> </tr> <tr> <td></td> <td>33.87%</td> <td>· 1,108.54</td> <td>Sales ratio / group amount</td> </tr> <tr> <td></td> <td>GROUP02</td> <td>183</td> <td></td> </tr> <tr> <td></td> <td>40.58%</td> <td>· 1,327.80</td> <td></td> </tr> <tr> <td></td> <td>GROUP03</td> <td>12</td> <td></td> </tr> <tr> <td></td> <td></td> <td>· 13.25</td> <td></td> </tr> <tr> <td></td> <td></td> <td>· 13</td> <td></td> </tr> <tr> <td></td> <td>GROUP99</td> <td></td> <td></td> </tr> <tr> <td></td> <td>0.54%</td> <td>· 17.80</td> <td></td> </tr> <tr> <td></td> <td colspan="3" style="text-align: center;">-----</td> </tr> <tr> <td></td> <td>TL</td> <td>862</td> <td>Group total No. of items</td> </tr> <tr> <td></td> <td></td> <td>· 3,272.00</td> <td>Group total amount</td> </tr> </table>	X	GROUP	0000016	Read symbol / report title				Report code		GROUP01	203.25	Group No. / No. of items		33.87%	· 1,108.54	Sales ratio / group amount		GROUP02	183			40.58%	· 1,327.80			GROUP03	12				· 13.25				· 13			GROUP99				0.54%	· 17.80			-----				TL	862	Group total No. of items			· 3,272.00	Group total amount
X	GROUP	0000016	Read symbol / report title																																																						
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	GROUP99																																																								
	0.54%	· 17.80																																																							
	-----																																																								
	TL	862	Group total No. of items																																																						
		· 3,272.00	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.

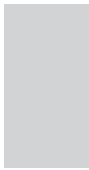
• **Periodic sales reset report (“Z2” mode)**

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
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p><b>X2/Z2</b> (read/reset) Mode switch</p> </div> <p style="text-align: center;">↓</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">1</div> <div style="border: 1px solid black; padding: 2px 5px;">CA / AMT / TEND</div> </div>	<pre> ----- ZZ1  BATCH 02 ----- ZZ1  FIX          0001           0001111 ----- GROSS          981.25           -6,574.40 NET            No    111           -7,057.14 CAID           -6,919.04 CHID           -139.04 CKID           -859.85 CRID(1)       -709.85 ----- RF            No     3           -10.22 CUST          CT    111 AVRG          -63.57 DC            -1.22 REF           -2.42 CLEAR        No    85 ROUND         -0.00 CANCEL       No     2           -12.97 ----- TA1           -2,369.69 TX1           -128.86 TA2           -2,172.96 TX2           -217.33 ----- ZZ1  TRANS          0001           0001112 CASH         No    362           -1,638.04 CHARGE       No     56           -1,174.85 RC           No     4           -810.00 PD           No     5           -5.00 CORR         No     14           -39.55 ----- VLD         No    19 RCT         No     3 NS          No     5 ----- </pre>



**Advanced Operations**

# Advanced Operations

ZZ1 DEPT	0001	Department report title / reset counter
	0001115	Report code
DEPT01	38	Department Name / No. of items <sup>*1</sup>
8.13%	.257.53	Sales ratio / amount <sup>*1</sup>
DISCOUNT	.5.80	Discount amount <sup>*1</sup>
DEPT02	183	
	.1,362.26	
DISCOUNT	.17.22	
TL	88.61	Total No. of items
	.1,916.10	Total amount
DISCOUNT	.9.50	Discount amount total
ZZ1 CASHIER	0001	Clerk report title / reset counter
	0001117	Report code
C01	..... 1	Clerk name / drawer No.
GROSS	421.25	Gross total
	.2,872.28	
NET	No 111	Net total
	.1,845.35	
CAID	.1,057.14	Cash in drawer
CHID	.139.04	
RF	No 1	Refund mode
	.1.00	
CLEAR	No 5	Clear key count
	.4.43	
C02	..... 1	Clerk name / drawer No.

\*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 a selected read / reset / periodic report on the display

Instead of entering code to issue a report, you can select an appropriate report name shown on the display and issue it.

1. Turn the mode key to X or Z or X2/Z2 mode.
2. Select report you want to get by the <RC> key.
  - In X mode, you can select Daily sales, PLU, group, hourly, monthly, open check, Flash and EJ report.
  - In Z mode, you can select Daily sales, PLU, group, hourly, monthly, open check and EJ report and EJ clear.
  - In X2/Z2 mode, you can select periodic1 read / reset and periodic2 read / rese report.
3. Press <CA/AMT> to print report.

### X mode



### Z mode



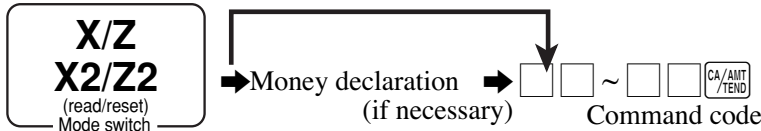
### X2/Z2 mode



## To print other sales read / reset reports

The following reports can be issued.

### Procedure



### Report / command code list

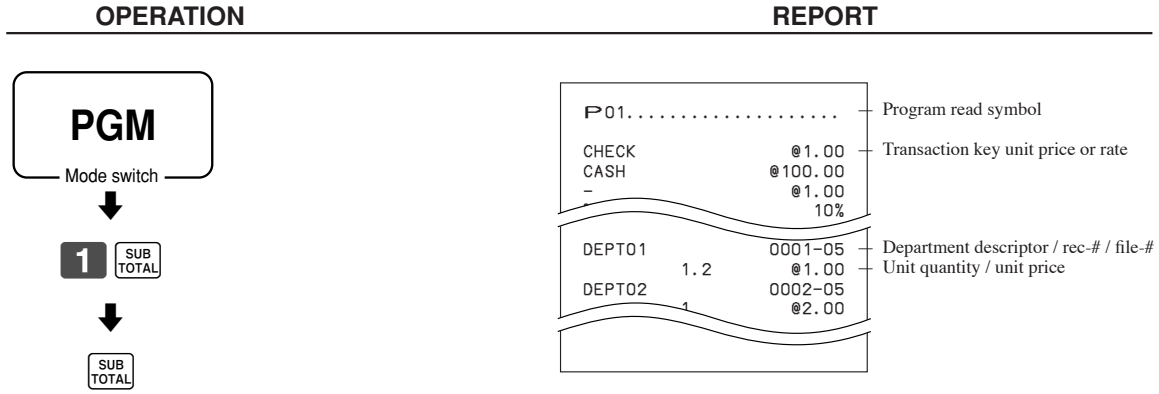
Report name	Command code			Report name	Command code		
	# = 0 (read)	# = 1 (reset)			# = 0 (read)	# = 1 (reset)	
	Daily	Periodic 1	Periodic 2		Daily	Periodic 1	Periodic 2
Fix totalizer	11	#111	#211	Department	15	#115	#215
Transaction key	12	#112	#212	best 50 (amount order)	60015	60115	60215
PLU by record number (all) *	14	#114	#214	best 50 (quantity order)	70015	70115	70215
all PLU by random code *	14	#114	#214	Group	16	#116	#216
by group	1000014	100#114	100#214	Clerk	17	#117	#217
by department	2000014	200#114	200#214	individual	20017	2#117	2#217
individual by group	1020014	102#114	102#214	Hourly sales	19	#119	#219
individual by department	2020014	202#114	202#214	Monthly sales	20	#120	#220
range by record number *	10014	1#114	1#214	Open check	25	----	----
range by random code *	10014	1#114	1#214	total	40025	----	----
best 50 (amount order)	60014	60114	60214	Scanning PLU by range department (all)	26	----	----
best 50 (quantity order)	70014	70114	70214	by range group	1000026	----	----
PLU stock all PLU by record number *	64	----	----	by range department	2000026	----	----
all by random PLU code *	64	----	----	best 50 by range department	80026	----	----
by group	1000064	----	----	inactive item by range department	90026	----	----
by department	2000064	----	----	Scanning PLU stock by range department (all)	65	----	----
individual by group	1020064	----	----	by range group	1000065	----	----
individual by department	2020064	----	----	by range department	2000065	----	----
range by record number *	10064	----	----	Table analysis	28	#128	#228
range by random code *	10064	----	----	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	----	----
				Scanning PLU stock reset (no report)	50065	----	----

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

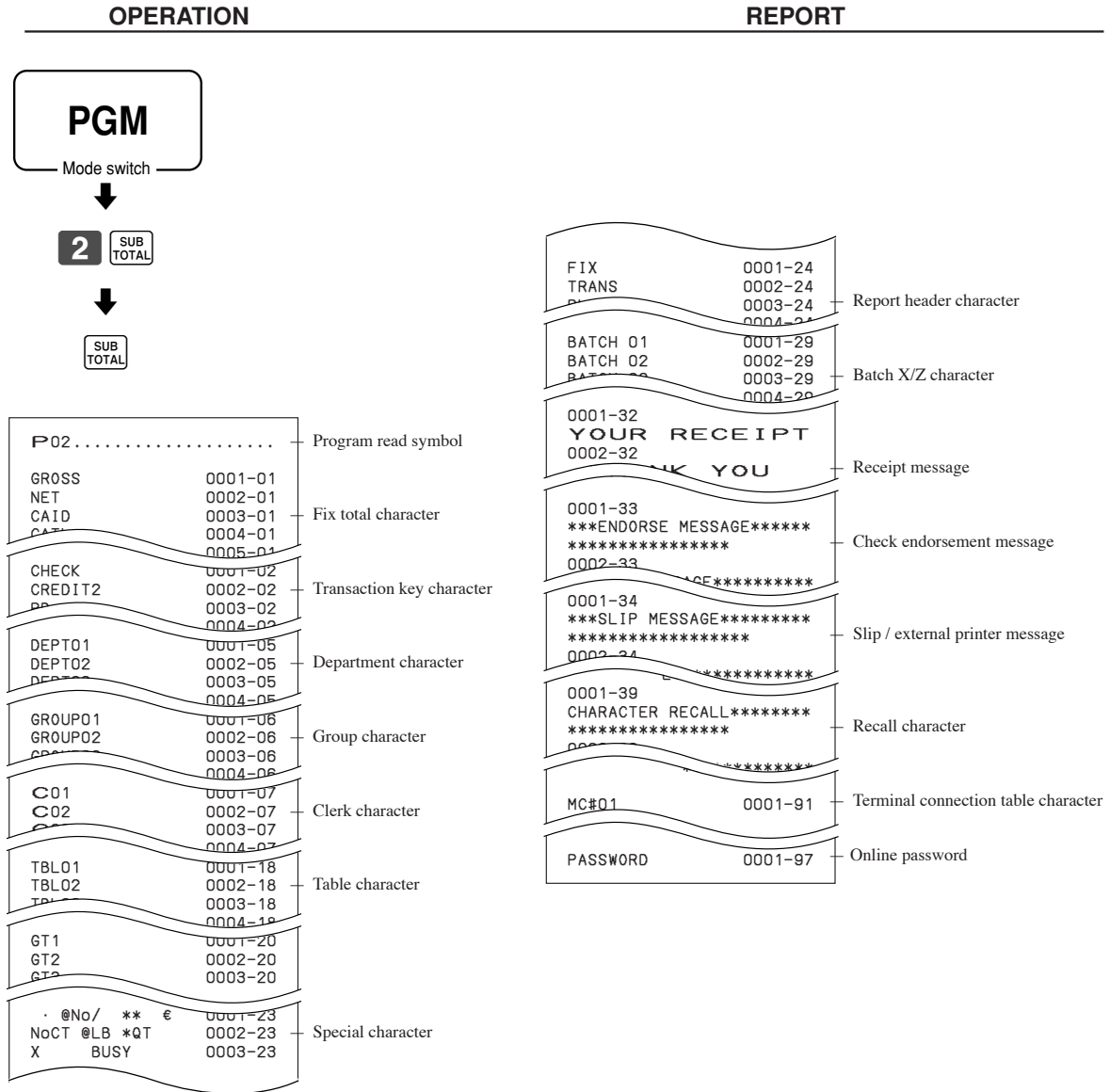
# Advanced Operations

## Reading the cash register's program

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



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

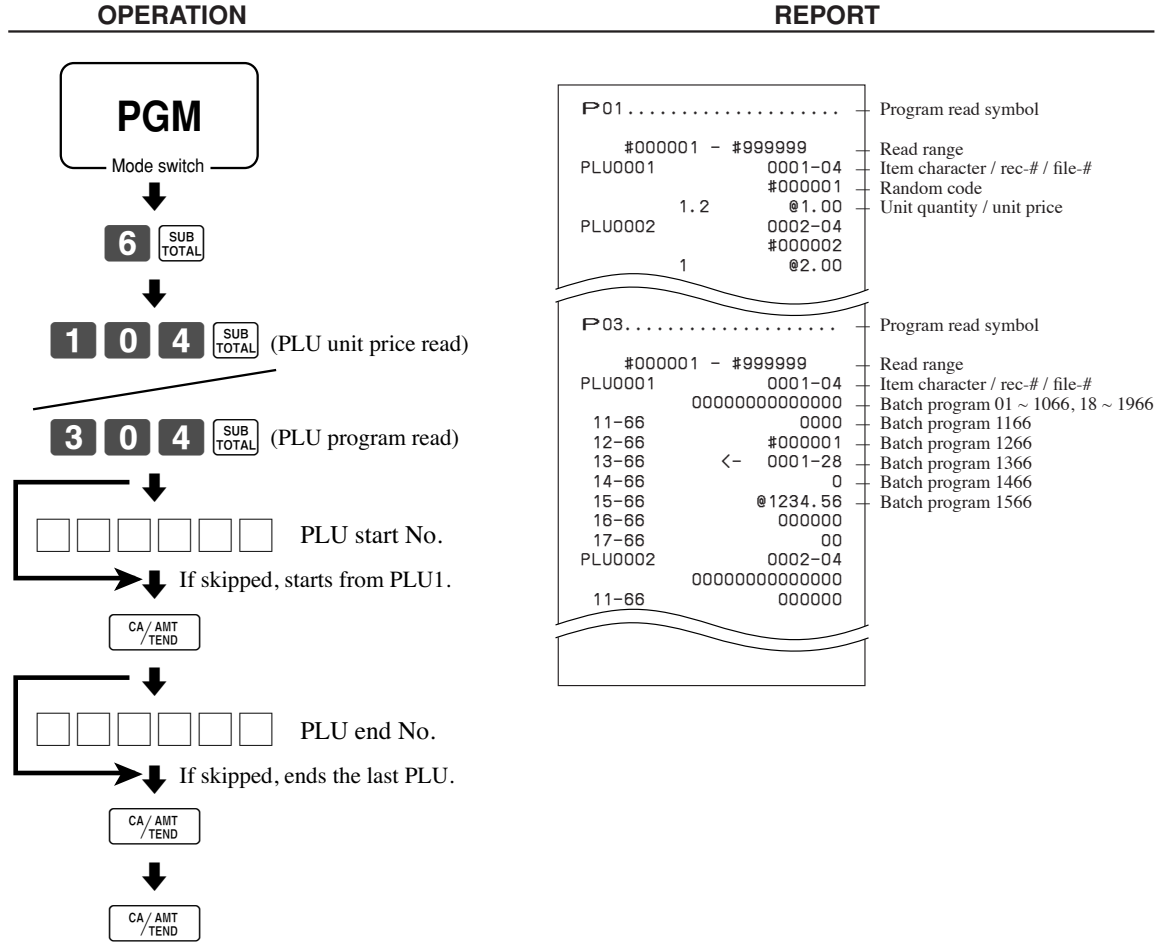


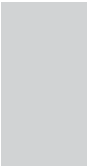
Advanced Operations



# Advanced Operations

## To print the PLU program





*Advanced Operations*

# Troubleshooting

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.
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 reading error or Manual entry for scalable item.	Put item on the scale again or do not enter weight by hand.
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.
E046	REG buffer full	Registration buffer full.	Finalize the transaction.
E047	Print bill	Separate check buffer full.	Allocate sufficient separate check buffer.
E048	Insert slip paper and retry	Attempt to register a new transaction without printing slip. No paper is inserted or paper is out in the slip printer.	Perform slip printing operation. 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.

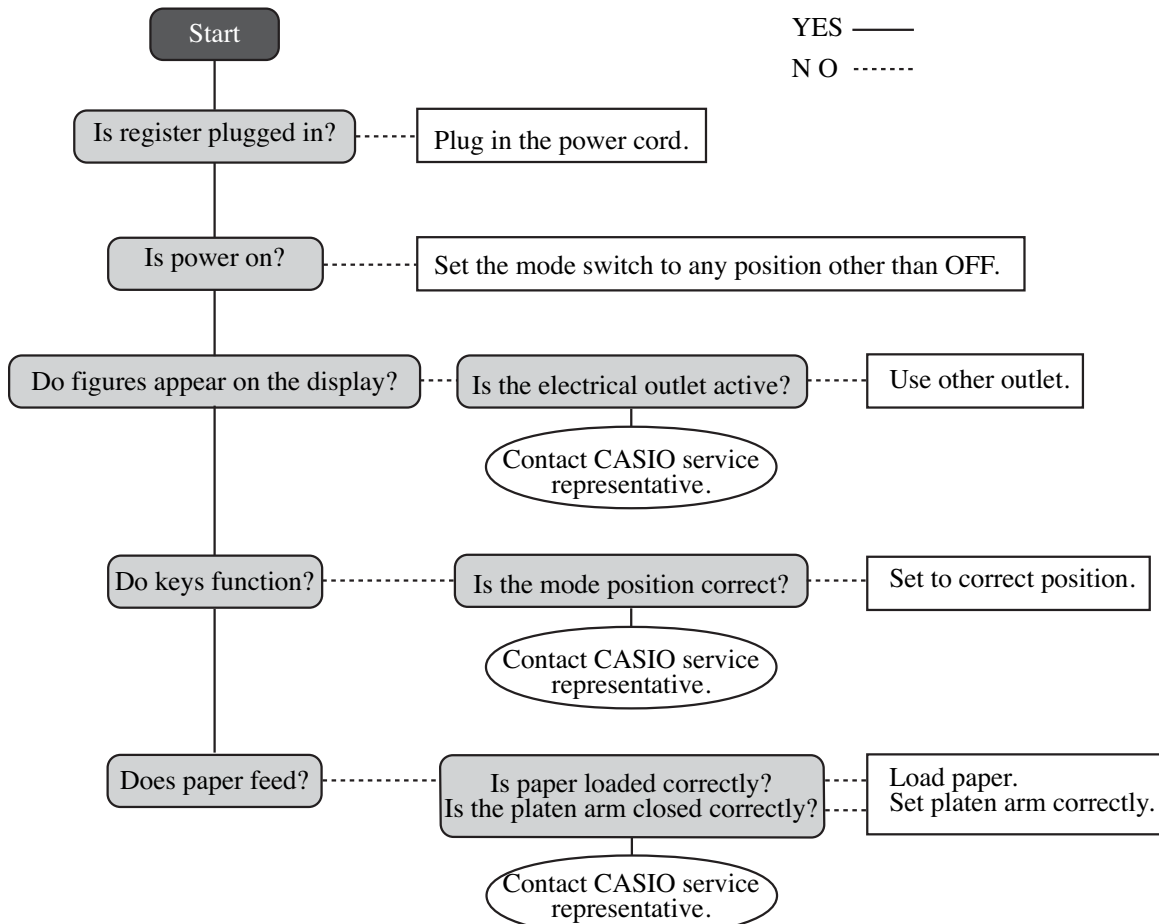
# Troubleshooting

Error code	Message	Meaning	Action
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.
E052	CHK/TBL No. is busy	Attempt to use the same check number whilst the specified number is being used in the other terminal.	Use another check number or close the check at that terminal.
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.
E056	CHK range full	All check number are occupied in range.	Recall the stored data.
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.
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.
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.
E103	PLU Code is not exist. Input the PLU Code	PLU code is not existed in the file.	Enter proper PLU code.
E105	PLU file full	Scanning PLU / not found PLU file full	Modify the designated item.
E106	Item exists in the PLU FILE	The designated item has already existed in the scanning PLU file.	
E112	Close the journal platen arm	The journal platen arm is opened.	Close the journal platen arm.
E114	Close the receipt platen arm	The receipt platen arm is opened.	Close the receipt platen arm.
E139	Negative balance is not allowed	Attempt to register <-> or <CPN> when the balance becomes negative.	Enter proper minus / coupon amount.
E146	Arrangement file full	Arrangement file is full.	Set the arrangement properly.
E164	Employee No. is not Found in the Employee File	Attempt to enter a wrong employee number which is not set to the employee file.	Enter proper employee number.
E165	Employee No. is not Clocking-in.	Attempt to clock out the employee who is not clocked in.	Enter proper employee number.
E166	Employee No. is Occupied	Attempt to clock in the employee who has clocked in already.	Enter proper employee number.
E176	Time&Attendance file full	Time and attendance file becomes full.	Delete unused employee number or reallocate the time and attendance file.
E179	Please enter birth date	Check customer's birthday to sell this item.	Enter customer's birthday
E180	Age does not permit product purchase	Customer's age is not satisfy to by this product.	Do not sell this product to the customer for age limitation.
E201	Illegal Format	Illegally formatted CF card	Format the CF card.
E202	File not found	The designated file is not found in the CF card.	Enter proper file name.
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.
E206	EJ full	The Electronic journal memory is full.	Clear EJ after issue an EJ report.

## Troubleshooting

### 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 Release **RECEIPT FEED** after count five, then the display shows ten Fs.
- 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.

## Troubleshooting

### 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.

#### Notes

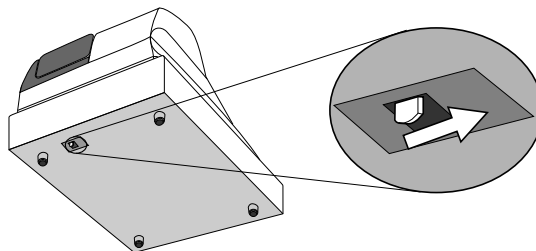
The memory protection battery is constantly charging and discharging as you switch the cash register on and off during normal operations. This causes the capacity of the battery to decrease after approximately five years of use.

#### 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.

#### When the cash drawer does not open!

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



#### Important!

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

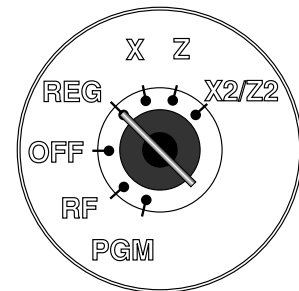
## User Maintenance and Options

### To replace journal paper



#### Step 1

Set the mode switch to the REG position and remove the printer cover.



#### Step 2

Press **JOURNAL FEED** to feed about 20 cm of paper.



#### Step 6

Slide the printed journal from the take-up reel.



#### Step 3

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



#### Step 7

Open the platen arm.



#### Step 4

Remove the journal take-up reel from its holder.



#### Step 8

Remove the old paper roll from the cash register.



#### Step 5

Remove the paper guide from the take-up reel.

#### Step 9

Load new paper.  
Go to the step 3 described on page 11 of this manual.

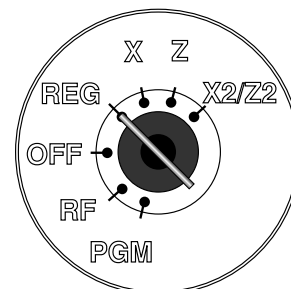
## ***User Maintenance and Options***

### **To replace receipt paper**



#### ***Step 1***

Set the mode switch to the REG position and remove the printer cover.



#### ***Step 2***

Open the platen arm.



#### ***Step 3***

Remove the old paper roll from the cash register.

#### ***Step 4***

Load new paper.  
Go to the step 3 described on page 10 of this manual.

### **Options**

**P-5880T roll paper**

**WT-89 (For SE-S6000) wetproof cover**

**WT-90 (For SE-C6000) wetproof cover**

**SP-1300 Slip printer**

**UP-370 Remote printer**

The optional wetproof cover protects the keyboard from moisture damage.

Consult your CASIO dealer for details.



# Specifications

## Input method

Entry: 10-key system, buffer memory 16 keys (2-key roll over)  
 Department: Full key system

## Display

Main: Amount 10 digits (zero suppression); No. of repeats, total, change, transaction indicator  
 Descriptor 16 digits × 2 lines; item descriptor, No. of items, mode, clerk name  
 Customer: Amount 8 digits (zero suppression): total, change indicator

## Printer

Receipt: Thermal alpha-numeric system 24 digits, receipt on / off key  
 Store name or slogan is printed automatically  
 Journal: Thermal alpha-numeric system 24 digits  
 Automatic take up roll winding  
 Paper roll: 58 (W) × 80 (D) mm  
 Paper thickness: 0.06 ~ 0.085 mm  
 Paper feed: Separate for receipt and journal  
 Print speed: About 14 l/s

## Listing capacity

Amount: 99999999  
 Quantity: 9999,999  
 Tended 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

245 mm (H) × 400 mm (W) × 450 mm (D) / 12 kg ...with medium size drawer  
 (9.8 " (H) × 16 " (W) × 18 " (D) / 22 .) Not including the height of POP-UP display

Totalizers	Contents					
	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 99	✓	✓			✓
PLU	Up to 9999	✓	✓			
Clerk	Up to 99	✓	✓	✓	✓	✓
Hourly sales	24	✓			✓	
Monthly sales	31	✓	✓		✓	
Transaction	Variable with program					✓
Non ressettable grand total	3	✓ (16 digits)				
Reset counter				✓		
Consecutive No.	1			✓ (6 digits)		

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

# Appendix

## Tax table programming (for US tax table)

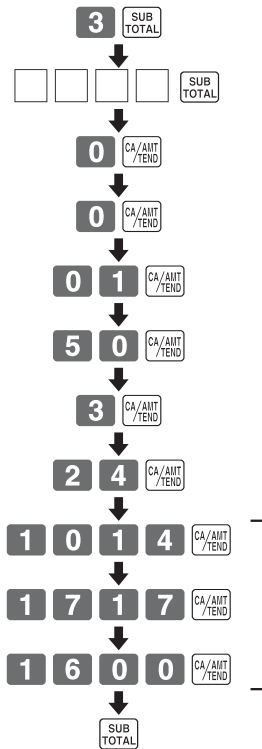
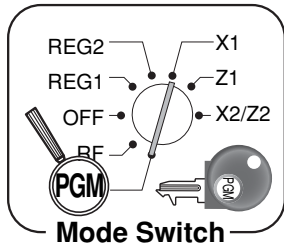
Example 1, Without rate tax:

### Preparation

TAX (6%)	Price range		Max. break point		Difference	Pattern
	Min. break point	Max. break point	Upper	Lower		
\$.00	\$.01	\$.10	10	0	= 10	Non-cyclic
.01	.11	.24	24	10	= 14	
.02	.25	.41	41	24	= 17	Cyclic
.03	.42	.58	58	41	= 17	
.04	.59	.74	74	58	= 16	
.05	.75	.91	91	74	= 17	Cyclic
.06	.92	1.08	108	91	= 17	
.07	1.09	1.24	124	108	= 16	
			124		= 17	

Tax rate (2-digit for integer + 4- digit for decimal) ----- 0% (Table only)  
 Tax table maximum value ("0" means unlimited). ----- 0 (Table only)  
 Rounding/tax table system code ----- 01 (Table only)  
 Sum of a cyclic pattern ----- 50 (17 + 17 + 16)  
 Number of values in each cyclic pattern ----- 3  
 Number of values in each non-cyclic pattern ----- 24 (10 + 14)  
 Actual value of difference of the non-cyclic and cyclic values ----- 10, 14, 17, 17, 16

### Programming procedure:



Tax table 1 = 0 1 2 5  
 Tax table 2 = 0 2 2 5  
 Tax table 3 = 0 3 2 5

Tax rate (2-digit for integer + 4-digit for decimal)  
 Tax table maximum value ("0" means unlimited).  
 Rounding/tax table system code  
 Sum of a cyclic pattern  
 Number of values in each cyclic pattern  
 Number of values in each non-cyclic pattern  
 Actual value of difference of the non-cyclic and cyclic values

*You must enter these values in 4-digit block. If the last block comes out to be only two digits, add two zeros.*

# Appendix

## Example 2, With rate tax: Preparation:

TAX (7%)	Price range		Max. break point		Difference	Pattern
	Min. break point	Max. break point	Upper	Lower		
\$.00	\$.01	\$.07	7	0	7	Non-cyclic
.01	.08	.21	21	7	14	Cyclic
.02	.22	.35	35	21	14	
.03	.36	.49	49	35	14	
.04	.50	.64	64	49	15	
.05	.65	.78	78	64	14	
.06	.79	.92	92	78	14	
.07	.93	1.07	107	92	15	
.08	1.08	1.21	121	107	14	Cyclic
.09	1.22	1.35	135	121	14	
.10	1.36	1.49	149	135	14	
.11	1.50	1.64	164	149	15	
.12	1.65	1.78	178	164	14	
.13	1.79	1.92	192	178	14	
.14	1.93	2.07	207	192	15	
1.40	19.93	20.07				

On all sales above \$20.07, compute the tax at the rate of 7%.

Tax rate (2-digit for integer + 4- digit for decimal) ----- 7%

Tax table maximum value ("0" means unlimited). ----- 2007

Rounding/tax table system code ----- 0002 (Cut off & table + rate)

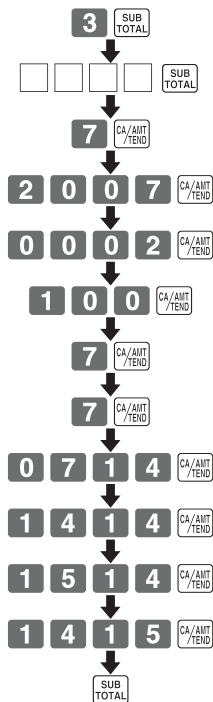
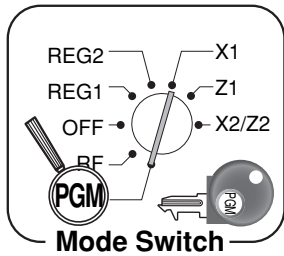
Sum of a cyclic pattern ----- 100 (14+14+14+15+14+14+15)

Number of values in each cyclic pattern ----- 7

Number of values in each non-cyclic pattern ----- 7

Actual value of difference of the non-cyclic and cyclic values ----- 14, 14, 14, 15, 14, 14, 15

## Programming procedure:



{ Tax table 1 = **0 1 2 5**  
 Tax table 2 = **0 2 2 5**  
 Tax table 3 = **0 3 2 5**

Tax rate (2-digit for integer + 4-digit for decimal)

Tax table maximum value ("0" means unlimited).

Rounding/tax table system code

Sum of a cyclic pattern

Number of values in each cyclic pattern

Number of values in each non-cyclic pattern

Actual value of difference of the non-cyclic and cyclic values

*You must enter these values in 4-digit block. If the last block comes out to be only two digits, add two zeros.*

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