

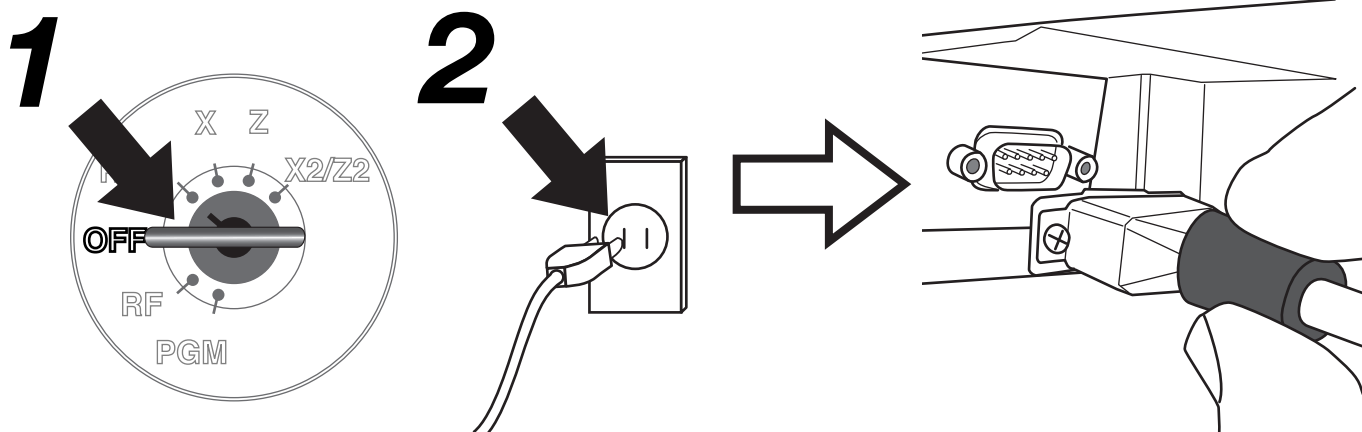
# Dealer's Manual

(for SE-S400, SE-S3000, SE-C450, SE-C3500:Ver1.0)

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## **Caution !**

Before connecting peripheral devices to the COM port, turn the mode switch to the “OFF” position (**step 1**) and disconnect the power plug from AC outlet (**step 2**).



# Initialization (for SE-S400/SE-S3000)

## Initializing the cash register

### Automatic initialization

Use the following procedure to initialize the cash register before using it for the first time after you purchase it.

1. Install the two memory backup batteries.
2. Plug the cash register into a wall outlet.
3. Read the printouts and follow the procedure printed on the chit. Select the country and language from the list then press **CA/AMT/TEND** key. If you want to skip this step, just press **SUB/TOTAL** key.
4. Follow the procedure on the display to set the date and time.
  - At this time, “00000000” appears on the display and the printer operates for a minute. Initialization is complete when the printer stops operating.

### CAUTION!

Automatic initialization (which clears all sales and programming data stored in the register's memory) is performed whenever all power (both the backup batteries and power through power cord) is cut from the cash register and then restored. The program data stored in the flash memory is restored.

#### Remember...

Main power cut by:

- Unplugging the cash register
- Power failure

+

Backup power cut off by:

- Removing the batteries
- Dead or low batteries

=

Automatic initialization when the main power is restored and the mode switch is set to any position besides OFF.

### Manual initialization

Use the following procedure to initialize the cash register and clear all transaction data and program data from its memory.

1. Insert the mode key marked “PGM” into the mode switch.
2. Turn the mode switch to the OFF position.
3. While holding down the **FEED** (SE-S400) **JOURNAL FEED** (SE-S3000) key, turn the mode switch to the PGM position.
4. Release the **FEED** (SE-S400) **JOURNAL FEED** (SE-S3000) key.
5. Enter **A B C D E** and press the **SUB/TOTAL** key. (A, B, C, D: Refer to the section below.)

<b>A. Language selection</b>	This specification defines the language to use in receipt/journal printing.	English ⇨ <b>0</b> French ⇨ <b>1</b> Spanish ⇨ <b>2</b> Danish ⇨ <b>3</b> German ⇨ <b>4</b> Swedish ⇨ <b>5</b> Danish ⇨ <b>6</b> Norwegian ⇨ <b>7</b> Finnish ⇨ <b>8</b> Portuguese ⇨ <b>9</b>
<b>B. Area/monetary mode</b>	This specification defines the area and the decimal position.	German ⇨ <b>4</b> Two decimal place ⇨ <b>1</b> No decimal place ⇨ <b>3</b>
<b>C. Department number</b>	This specification defines the number of department keys.	SE-S400 ⇨ <b>2 5</b> SE-S3000 ⇨ <b>3 0</b>
<b>D. Program 4 mode</b>	This specification defines Program 4 mode availability.	w/o PGM4 ⇨ <b>0</b> with PGM4 ⇨ <b>4</b>
<b>E. Number of PLU</b>	This specification defines number of PLUs.	PLU 3000/Scanning PLU 2000 ⇨ <b>0</b> PLU 2000/Scanning PLU 3000 ⇨ <b>2</b> (SE-S400 only)

# Initialization (for SE-C450/SE-C3500)

## Initializing the cash register

### Automatic initialization

Use the following procedure to initialize the cash register before using it for the first time after you purchase it.

1. Install the two memory backup batteries.
2. Plug the cash register into a wall outlet.
3. Read the printouts and follow the procedure printed on the chit. Select the country and language from the list then press **CA/AMT/TEND** key. If you want to skip this step, just press **SUB/TOTAL** key.
4. Follow the procedure on the display to set the date and time.
  - At this time, “00000000” appears on the display and the printer operates for a minute. Initialization is complete when the printer stops operating.

### CAUTION!

Automatic initialization (which clears all sales and programming data stored in the register's memory) is performed whenever all power (both the backup batteries and power through power cord) is cut from the cash register and then restored. The program data stored in the flash memory is restored.

#### Remember...

Main power cut by:

- Unplugging the cash register
- Power failure

+

Backup power cut off by:

- Removing the batteries
- Dead or low batteries

=

Automatic initialization when the main power is restored and the mode switch is set to any position besides OFF.

### Manual initialization

Use the following procedure to initialize the cash register and clear all transaction data and program data from its memory.

1. Insert the mode key marked “PGM” into the mode switch.
2. Turn the mode switch to the OFF position.
3. While holding down the **FEED** (SE-C450) **JOURNAL FEED** (SE-C3500) key, turn the mode switch to the PGM position.
4. Release the **FEED** (SE-C450) **JOURNAL FEED** (SE-C3500) key.
5. Enter **A B C D E** and press the **SUB/TOTAL** key. (A, B, C, D: Refer to the section below.)

<b>A. Language selection</b>	This specification defines the language to use in receipt/journal printing.	English ⇨ <b>0</b> French ⇨ <b>1</b> Spanish ⇨ <b>2</b> Danish ⇨ <b>3</b> German ⇨ <b>4</b> Swedish ⇨ <b>5</b> Danish ⇨ <b>6</b> Norwegian ⇨ <b>7</b> Finnish ⇨ <b>8</b> Portuguese ⇨ <b>9</b>
<b>B. Area/monetary mode</b>	This specification defines the area and the decimal position.	German ⇨ <b>4</b> Two decimal place ⇨ <b>1</b> No decimal place ⇨ <b>3</b>
<b>C. Touch keyboard</b>	This specification defines touch keyboard with department or flat-PLU.	Department keys are allocated ⇨ <b>7 2</b> Flat PLU keys are allocated ⇨ <b>0 0</b>
<b>D. System selection</b>	This specification defines the system (Check tracking system or Non-check tracking system)	Check tracking system (SE-C450: Check No.=40, detail No.=1200) (SE-C3500: Check No.=50, detail No.=1600) ⇨ <b>2</b> Non-check tracking system ⇨ <b>4</b>
<b>E. Number of PLU</b>	This specification defines number of PLUs.	PLU 3000/Scanning PLU 2000 ⇨ <b>0</b> PLU 2000/Scanning PLU 3000 ⇨ <b>2</b> (SE-C450 only)

# Initialization

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## Clearing a machine lock up

### For SE-S400/SE-S3000

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 and hold **FEED** (SE-S400) **RECEIPT FEED** (SE-S3000), and turn the mode switch to PGM mode.
4. The display shows INIT (SE-S400)/FC (SE-S3000) on alpha-display, then release **FEED** (SE-S400) **RECEIPT FEED** (SE-S3000).
5. Press **SUB TOTAL**. A receipt is issued.

### For SE-C450/SE-C3500

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 and hold **FEED** (SE-C450) **RECEIPT FEED** (SE-C3500), and turn the mode switch to PGM mode.
4. The display shows INIT (SE-C450)/FC (SE-C3500) on alpha-display, then release **FEED** (SE-C450) **RECEIPT FEED** (SE-C3500).
5. Press **SUB TOTAL**. A receipt is issued.

# Scanning PLU





## Summary

You can easily register items with barcode label by using barcode scanner.

Without programming any PLU code, unit price nor linked department, you can register the items and create the PLU programming data automatically by not found PLU registration.

You can input the PLU code by scanning the code or enter the PLU code and press **OBR** manually.

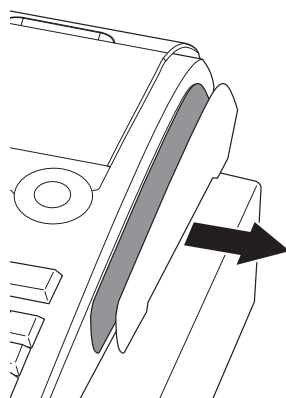
The barcode system of this register is as follows:

Scanning PLU code	Input method		Sample barcode
	Scanner	PLU code manual input	
EAN-13 (PLU type)	√	13 digits with check digit	
EAN-8 (PLU type)	√	8 digits with check digit	
UPC-A (PLU type)	√	10/11 digits without check digit	
UPC-E (PLU type)	√	6 digits without check digit	

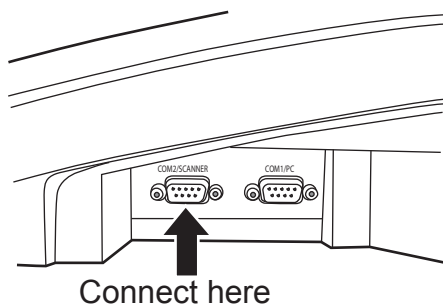
## Preparation

Just connect the handheld scanner (option) with the register.

1. Power off the register, and disconnect the AC plug from AC outlet.
2. Remove the connector cover.



3. Connect the scanner to the register and tighten two screws of the connector.



4. Replace the connector cover, reconnect the AC plug and power on the register.

# Scanning PLU

## Registration



### Not found PLU

Item	Barcode	123456
	Unit price	\$1.00
	Quantity	2
	Department	1
Payment	Cash	\$2.00

OPERATION	DISPLAY
Scanning the barcode	<p>Error message</p>
<div>1 00 1</div> <p>Enter unit price of the item and press the appropriate department.</p>	<p>Link department name</p>
Scanning the same item	<p>After this procedure, the item is automatically programmed.</p>
<b>RECEIPT</b>	

1 DEPT001	· 1.00	Scanned item
#123456		Barcode*
1 DEPT001	· 1.00	
#123456		Barcode*
TL	· 2.00	
CASH	· 2.00	

\* These items can be printed by program.

**NOTE:**

If there is no room for the not found item, this item is overwritten to the oldest item of the scanning PLU file.

After this registration, linked department name is used for this item. If you want to change the item name, refer to “To modify the scanning PLU item descriptor” section of this manual.

# Scanning PLU

## Unreadable barcode

In case of the scanner cannot read a barcode, enter the PLU code printed underneath the barcode and press the **OBR** key. It is necessary to enter a check digit if you register an EAN-13 or EAN-8 barcode.

Item 1*	EAN-8 Barcode	49123494
	Unit price	(\$2.00)
	Quantity	1
	Department	1
Item 2*	UPC-E Barcode	654321
	Unit price	(\$3.00)
	Quantity	1
	Department	1
Payment	Cash	\$10.00

\*These items have been stored in the PLU file already.

OPERATION

4912

3494

Enter barcode with check digit.

(Press **OBR**.)

**OBR**

654

321

Enter barcode without check digit.

(Press **OBR**.)

**OBR**

SUB TOTAL

1000

CA/AMT /TEND

RECEIPT

1 PLU0002 · 2.00

#49123494

1 PLU0003 · 3.00

#654321

TL - 5.00

CASH · 10.00

CG · 5.00

## Programming

In this dealer’s manual, part of operation is omitted. Please insert the following operations between the steps.

Step	Operation
1	Turn the Mode switch to PGM position.
2	By pressing <b>↓</b> key continuously, select [System Setting] and press <b>CA/AMT /TEND</b> key.
3	Now, the cash register is set in the program mode. Follow the steps described in this manual.

For example, to modify unit price and linked department /add new scanning PLU item, operate as shown below.

[Mode to PGM] **↓** ..... **↓** (select “System Setting”) **CA/AMT /TEND** **1** **SUB TOTAL** **0 0 7 1** **SUB TOTAL** ..... **SUB TOTAL**

## To allocate <OBR> key

Refer to the “Keyboard layout change” chapter of this manual (SE-S400/SE-S3000)/the user’s manual (SE-C350/SE-C3500). (The function code of the <OBR> is “103”.)

## To modify unit price and linked department/add new scanning PLU item

8



# Scanning PLU

## Report

To issue individual scanning PLU item report

Operation

Mode Switch

X

To another PLU

Scanning or barcode

OBR

SUB TOTAL

Report

X	INDIVIDUAL		
DEPT001	38		
8.13%	257.53		
#49012349			
PLU0001	17		
0.53%	17.00		
#123456			
-----			
TL	88.61		
	516.10		

Read symbol/report title

Item name/No. of items

Sales ratio\*/amount

PLU code \*

item name/No. of items

Sales ratio \*/PLU amount

PLU code \*

Total No. of items

Total amount

\*These items can be printed by program.

To issue individual scanning PLU item report

Operation

Mode Switch

X/Z

2

6

CA/AMT/TEND

Skip for first department No.

Start department No.

Skip for last department No.

End department No.

Report

Z	SCAN PLU	0001	
		0001026	
DEPT001	.....001		
PLU0001	109		
8.13%	257.53		
#49012349			
PLU0001	17		
0.53%	17.00		
#123456			
	45		
-----			
	88.61		
	516.10		
DEPT002	.....002		
PLU0001	150		
#2395456	312.94		
	123		
	234.00		
-----			
TL	123		
	897.00		

Reset symbol/report title/reset counter

Report code

Link department/Dept No.

Item name/No. of items

Sales ratio\*/amount

PLU code\*

item name/No. of items

Sales ratio\*/PLU amount

PLU code\*

Link dept total No. of items

Link dept total amount

Total No. of items

Total amount

\*These items can be printed by program.

To reset all scanning PLU item sales data

Operation

Mode Switch

Z

5

0

0

2

6

CA/AMT/TEND

(reset)

(cancel)

Report

Z	SCAN PLU	0002	
		0050026	
PLU Z clear	Normal	End	

Reset symbol/report title/reset counter

Report code

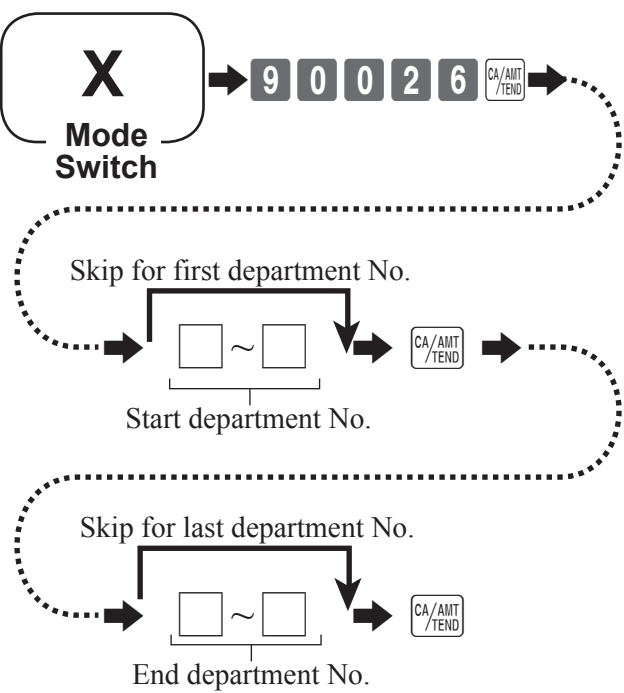
Result printing

# Scanning PLU

## Advanced operation for scanning PLU

To issue inactive scanning PLU report

Operation \_\_\_\_\_ Report \_\_\_\_\_



X	NON ACTIVE	0090026	Read symbol/report title
			Report code
DEPT001	.....001		Link department/Dept No.
PLU0001	0		Item name/No. of items
	·0.00		Amount
#49012349			PLU code*
PLU0001	0		item name/No. of items
	·0.00		PLU amount
#123456			PLU code*
	0		
#893281391742			
	0		Link dept total No. of items
	·0.00		Link dept total amount
DEPT002	.....002		
PLU0001	0		
	·0.00		
#2395456			
	0		
	·0.00		
TL	0		Total No. of items
	·0.00		Total amount

\*These items can be printed by program.

**NOTE:**

To issue inactive scanning PLU report, you need to set D1, D2, and D3 of Address code 31 (see page 30).

# About sales data storage in an SD card

## Storage timing of sales data

Sales report data will be stored in an SD card if D1 to D4 of Address code 17 is programmed as “Store sales data and electronic journal data in SD” (see page 26) and sales report (X and Z reports) printing is performed.

## Totalizers to store sales data

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

001	Fixed adder
002	Free function
004	PLU
005	Department
006	Group
007	Clerk (011 Clerk details)
009	Hourly
010	Monthly
016	Scanning PLU
020	Grand total

## Folder and file names of stored sales data

<Folder name>

\CASIO\SE3000\XZ\yyyy\mm\

yyyy: Year

mm: Month

<File name>

Xxxx\_dda.CSV

X: Mode X or Z

xxx: 3-digit file number

dd: date

a: Identifier for the same file name

The first save of the day: none

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

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

?

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

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

<Example>

File names of lump X report

Issuing lump X report on March 13, 2013.

↓

↓ The following files are created.

↓

\CASIO\SE3000\XZ2013\03\X001\_13.CSV  
X002\_13.CSV  
X005\_13.CSV  
X011\_13.CSV

↓

Issuing lump X report on the same day.

↓

\CASIO\SE3000\XZ2013\03\X001\_13A.CSV (with the extension “A”)  
X002\_13A.CSV (ditto)  
X005\_13A.CSV (ditto)  
X011\_13A.CSV (ditto)

# About sales data storage in an SD card

## CSV file format of the sales data

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

Number of fields vary by the type of the totalizer.

"MODEL	" , "	"		
"MACHINE	" , "MC#01	"		
"REPORT	" , "FIX	"		
"FILE	" , "FILE001"			
"MODE	" , "X	"		
"Z COUNTER	" , "0000"			
"DATE	" , "16-03-2013"			
"TIME	" , "21:39"			
"RECORD	" , "DESCRIPTOR	" , "QUANTITY/No	" , "AMOUNT	"
"0001" , "GROSS	" , "0" , "0.00"			
"0002" , "NET	" , "0" , "0.00"			
"0003" , "CAID	" , "0" , "0.00"			
~		~		

Front part of totalizers' data contain header information. The followings are the header characters.

"MODEL", "MACHINE", "REPORT", "FILE", "MODE", "Z COUNTER", "DATE", "TIME".

They can be changed by FILE023.

### About headers

MODEL:	Use special character data. Default; blank
MACHINE:	Use character data on the system connection table.
REPORT:	Use corresponding record character of the X/Z report header file.
FILE:	ECR's internal file name.
MODE:	Use from X, Z, XX1, ZZ1, and ZZ2.
Z COUNTER:	Use the Z counter of corresponding report.
DATE:	Prints data saving date in YYYYMMDD format.
TIME:	Data saving time.

### About title headers

Use the following titles to discriminate fields of totalizers.

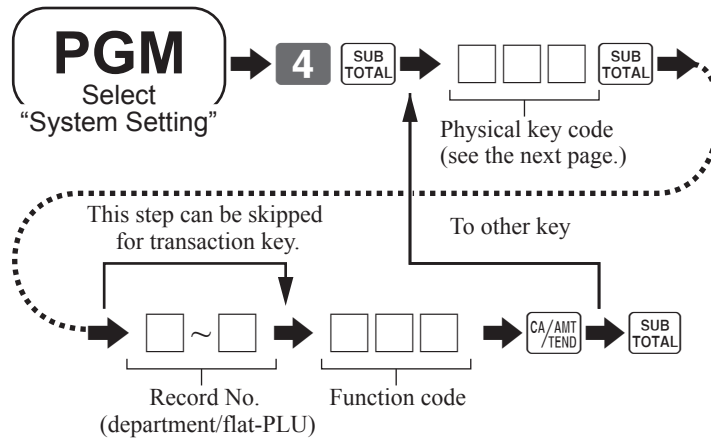
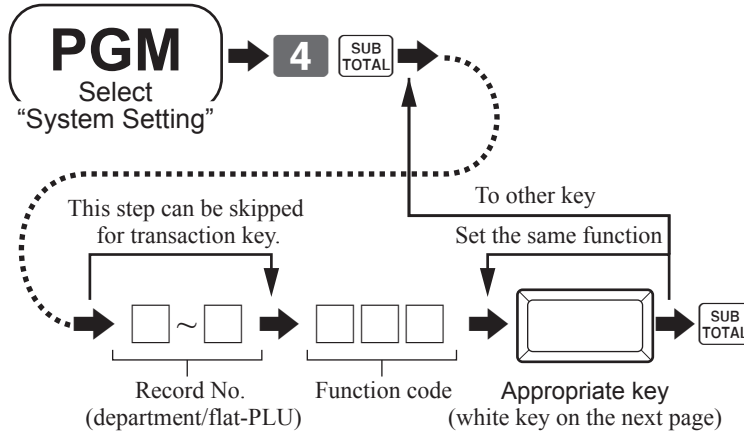
01: "RECORD	"
02: "DESCRIPTOR	"
03: "QUANTITY/No	"
04: "QUANTITY	"
05: "No	"
06: "AMOUNT	"
09: "CUSTOMER	"
10: "GROSS AMOUNT	"
11: "NET No	"
12: "NET AMOUNT	"
13: "GROSS QUANTITY	"
17: "OBR CODE	"
18: "START TIME	"
19: "END TIME	"

# Key allocation (Program 4)

## Key allocation program

### Programming procedure

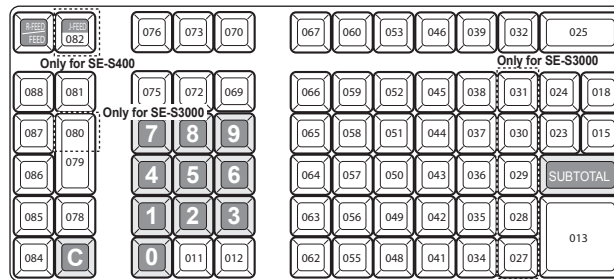
Refer to page 8 to enter the program mode.



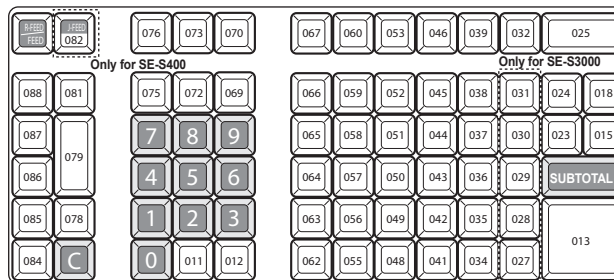
# Key allocation programming (P4)

## Configuration of the physical key layout

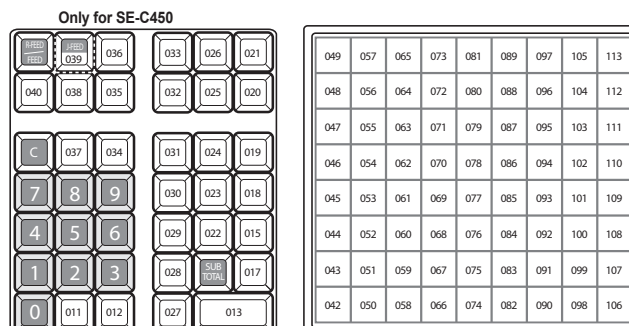
### SE-S400/SE-S3000 (for US and Canada)



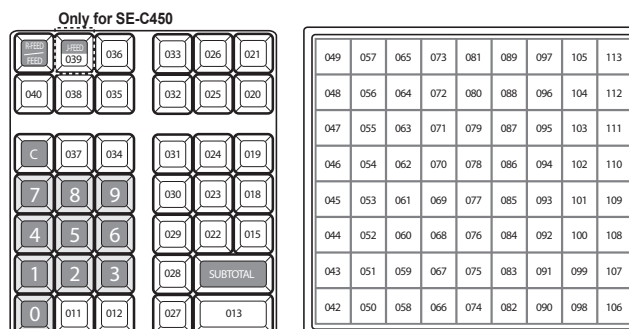
### SE-S400/SE-S3000 (for Europe and other countries)



### SE-C450/SE-C3500 (for US and Canada)



### SE-C450/SE-C3500 (for Europe and other countries)



The shadowed key cannot be programmed with any other functions.  
<00>, <000>, and <> functions are only allocated to <#011> or <#012> keys.

## Function code list

Function	Code	Initial character	Function	Code	Initial character
Add check		ADD CHK	New/old check	093	NEW/OLD
Age verification		AGE	No sale	042	NS
Arrangement		ARG	Non-add	040	#
Cancel		CANCEL	Non-add/No sale	041	#/NS
Cash amount tendered		CASH	OBR	103	OBR
Charge		CHARGE	Old check	092	OLD CHK
Check tender		CHECK	Open	067	OPEN
Clerk number		CLK#	Open check	117	OPEN CHK
Coupon		COUPON	Paid out	021	PO
Credit		CREDIT	Plus (addition)	029	+
Currency exchange		CE	PLU	048	PLU#
Customer number		CT	Premium	030	%+
Date/Time		DATE/TIME	Price	049	PRC
Decimal point		.	Quantity/for	083	QT
Department		DEPTnnn	Receipt	038	RCT
Dept No./Dept shift		SHIFT/No	Receipt on/off	076	RCT ON/OFF
Discount		%-	Received on account	020	RA
Error correct (cancel)		CORR	Refund	033	RF
Flat PLU *		PLUnnnn	Sign off	150	SIGN-OFF
Help		HELP	Subtotal	075	SUBTOTAL
Lock out unused key			Tax program	151	TAX PGM
Manual tax		TAX	Tax status shift	057	T/S
Menu shift		MENU	Text recall	010	CHAR
Merchandise subtotal		MDST	Three zero	097	000
Minus		-	Tip	015	TIP
Multiplication/Date/Time		X	Two zero	096	00
New balance		NB	VAT	046	VAT
New check		NEW CHK	Void	035	VOID

\* This function cannot be allocated on SE-S400/SE-S3000.

# Key allocation programming (P4)

## Issuing program reading report of program 4 mode

### Issuing procedure

Refer to page 8 to enter the program mode.



### Report sample

P04 .....	Program read symbol
1-----	
00	0015-02
	011-096
.	0009-02
	012-098
CASH	0004-02
	013-001

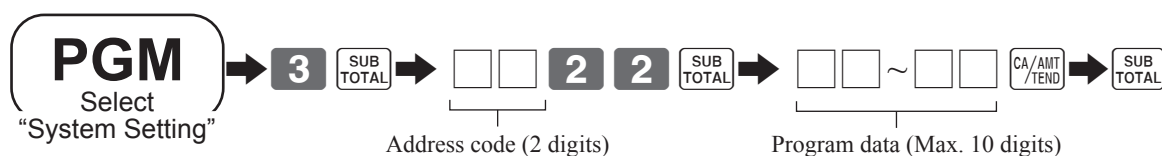


# Key function/machine feature (Program 3)

## General control program

### Programming procedure

Refer to page 8 to enter the program mode.



### Program data (by address code)

#### Address code 01 (date order)

Description	Choice	Program code	Initial value
Day order: Year/Month/Day = 0, 1 Day/Month/Year = 2, Month/Day/Year = 3	Significant number (0~3)	<input type="text"/> D <sub>10</sub>	Dependent upon initialization code
Monetary mode: □ = 0, □□ = 1, □□□ = 2, □□□□ = 3	Significant number (0~3)	<input type="text"/> D <sub>9</sub>	Dependent upon initialization code
Always "0000"		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> D <sub>8</sub> D <sub>7</sub> D <sub>6</sub> D <sub>5</sub>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> D <sub>8</sub> D <sub>7</sub> D <sub>6</sub> D <sub>5</sub>
Always "0000"		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> D <sub>4</sub> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> D <sub>4</sub> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

#### Address code 02 (store/machine No.)

Description	Choice	Program code	Initial value
Store/machine No.	Significant numbers	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> D <sub>4</sub> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> D <sub>4</sub> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

#### Address code 03 (consecutive number)

Description	Choice	Program code	Initial value
Reset consecutive number after daily reset report is issued.	Yes = 0 No = 1	<input type="text"/> D <sub>8</sub>	<input type="text"/> D <sub>8</sub>
Always "0"		<input type="text"/> D <sub>7</sub>	<input type="text"/> D <sub>7</sub>
Consecutive number preset value. (It starts "preset value + 1")		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> D <sub>6</sub> D <sub>5</sub> D <sub>4</sub> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> D <sub>6</sub> D <sub>5</sub> D <sub>4</sub> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

# Key function/machine feature (P3)

## Address code 04 (tax system, rounding, etc.)

Description	Choice	Program code	Initial value
Apply rounding for registration: No rounding = 0, IF1 = 1, IF2 = 2, Danish = 3, Norwegian = 4, Singaporean = 5, Finnish = 6, Australian, Canadian = 7, South African = 8, Other roundings = 9 (Refer to D <sub>1</sub> )	Significant number (0~9)	<input type="text"/> D <sub>10</sub>	<input type="text"/> 0 D <sub>10</sub>
Tax system: Single tax system = 0, U.S. tax system = 1, Canadian tax system = 2, Singaporean tax system = 3	Significant number (0~3)	<input type="text"/> D <sub>9</sub>	<input type="text"/> 0 Or <input type="text"/> 1 (Other area (U.S.) than U.S.) D <sub>9</sub>
Always "000"		<input type="text"/> 0 <input type="text"/> 0 <input type="text"/> 0 D <sub>8</sub> D <sub>7</sub> D <sub>6</sub>	<input type="text"/> 0 <input type="text"/> 0 <input type="text"/> 0 D <sub>8</sub> D <sub>7</sub> D <sub>6</sub>
Always "000"		<input type="text"/> 0 <input type="text"/> 0 <input type="text"/> 0 D <sub>5</sub> D <sub>4</sub> D <sub>3</sub>	<input type="text"/> 0 <input type="text"/> 0 <input type="text"/> 0 D <sub>5</sub> D <sub>4</sub> D <sub>3</sub>
Print invoice number on receipt.	No = 0 Yes = 1	<input type="text"/> D <sub>2</sub>	<input type="text"/> 0 D <sub>2</sub>
Other roundings: New Zealander (A) = 0, New Zealander (B) = 1, Malaysian = 2, Czech = 3 (D <sub>10</sub> must be set to "9".)	Significant number (0~3)	<input type="text"/> D <sub>1</sub>	<input type="text"/> 0 D <sub>1</sub>

## Rounding

IF 1 rounding	
Last 1 digit of subtotal	Result
0~2	0
3~7	5
8~9	10

Finnish rounding	
Last 1 digit of subtotal/cash change	Result
0~2	0
3~7	5
8~9	10

IF 2 rounding	
Last 1 digit of subtotal	Result
0~4	0
5~9	10

South African rounding	
Last 1 digit of subtotal	Result
0~4	0
5~9	5

Singaporean rounding	
Last 1 digit of item, %+, %- registration	Result
0~2	0
3~7	5
8~9	10

New Zealander (A/B) rounding		
	Last 1 digit of subtotal/cash change	Result
A	0~4	0
	5~9	10
B	0~5	0
	6~9	10

Danish rounding	
Last 2 digits of subtotal	Result
00~24	00
25~74	50
75~99	100

Malaysian rounding	
Last 1 digit of subtotal/cash change	Result
0~2	0
3~7	5
8~9	10

Australian rounding	
Last 1 digit rounding (only for cash transactions)	Result
0~2	0
3~7	5
8~9	10

Canadian rounding	
Last 1 digit rounding (only for cash transactions)	Result
0~2	0
3~7	5
8~9	10

Norwegian rounding	
Last 2 digits of subtotal	Result
0~24	0
25~74	50
75~99	100

Czech rounding	
Last 2 digits of subtotal	Result
00~49	00
50~99	100

# Address code 05 (print control for receipt)

Description		Choice	Program code	Initial value
Print total line during finalization.	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D <sub>10</sub>	<input type="checkbox"/> 0 (a+b) D <sub>10</sub>
Time system: ① 24 hour system, ② 12 hour system	b	① = 0 ② = 2		
Buffered receipt print * <sup>1</sup>		No = 0 Yes = 2	<input type="checkbox"/> D <sub>9</sub>	<input type="checkbox"/> 0 D <sub>9</sub>
Skip item lines on journal (Journal skip)	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>8</sub>	<input type="checkbox"/> 0 (a+b) D <sub>8</sub>
Breakdown set menu printing on receipt, post receipt, guest receipt.	b	No = 0 Yes = 4		
Print receipt or journal. (This program is effective only SE-S400, and SE-C450)		Receipt = 0 Journal = 1	<input type="checkbox"/> D <sub>7</sub>	<input type="checkbox"/> 0 D <sub>7</sub>
Always "00"			<input type="checkbox"/> 0 <input type="checkbox"/> 0 D <sub>6</sub> D <sub>5</sub>	<input type="checkbox"/> 0 <input type="checkbox"/> 0 D <sub>6</sub> D <sub>5</sub>
Print number of item sold.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>4</sub>	<input type="checkbox"/> 0 (U.S.) <input type="checkbox"/> 2 (Others) D <sub>4</sub>
Print tax symbols.	b	Yes = 0 No = 2		
Always "0"			<input type="checkbox"/> 0 D <sub>3</sub>	<input type="checkbox"/> 0 D <sub>3</sub>
Print multiplication or item consolidation in one line.		Yes = 0 No = 4	<input type="checkbox"/> D <sub>2</sub>	<input type="checkbox"/> 0 D <sub>2</sub>
Print number of customers on header.		Yes = 0 No = 2	<input type="checkbox"/> D <sub>1</sub>	<input type="checkbox"/> 0 D <sub>1</sub>

\*<sup>1</sup> Select "Yes" if you want to print receipts with watermarks.

# Key function/machine feature (P3)

## Address code 06 (calculation & operation control)

Description		Choice	Program code	Initial value
Follow the taxable status and commission status of previous item when +/- operation is performed.	a	Yes = 0 No = 1	<input type="checkbox"/>	<input type="checkbox"/> 0
Force a money declaration by <input type="checkbox"/> # <input type="checkbox"/> NS <input type="checkbox"/> # <input type="checkbox"/> NS before read/reset report operation.	b	No = 0 Yes = 4	(a+b) D <sub>10</sub>	(a+b) D <sub>10</sub>
Force to press <input type="checkbox"/> SUB <input type="checkbox"/> TOTAL before finalization.	a	No = 0 Yes = 1	<input type="checkbox"/>	<input type="checkbox"/> 0
Allow credit balance while finalization.	b	Yes = 0 No = 2	(a+b+c) D <sub>9</sub>	(a+b+c) D <sub>9</sub>
Allow multiple refund/register minus operation.	c	Yes = 0 No = 4		
Affect the result of +/- , %+ /%- to the item. (Net totalling)	a	No = 0 Yes = 1	<input type="checkbox"/>	<input type="checkbox"/> 0
Include add-on/add-in tax in net total.	b	Yes = 0 No = 2	(a+b) D <sub>8</sub>	(a+b) D <sub>8</sub>
Includes commission in net total.		Yes = 0 No = 2	<input type="checkbox"/> D <sub>7</sub>	<input type="checkbox"/> D <sub>7</sub>
Clear the key buffer when a receipt is issued. (REG only)	a	No = 0 Yes = 1	<input type="checkbox"/>	<input type="checkbox"/> 0
Sounds key catch tone.	b	Yes = 0 No = 2	(a+b+c) D <sub>6</sub>	(a+b+c) D <sub>6</sub>
Allow to issue post receipt, even if the original one is issued.	c	No = 0 Yes = 4		
Display “seconds” during time display.	a	No = 0 Yes = 2	<input type="checkbox"/>	<input type="checkbox"/> 0
Connect slit drawer.	b	No = 0 Yes = 4	(a+b) D <sub>5</sub>	(a+b) D <sub>5</sub>
RF mode status		RF = 0	<input type="checkbox"/> 0 D <sub>4</sub>	<input type="checkbox"/> 0 D <sub>4</sub>
Treatment of flat-PLU key numeric inputs: ① Treat as amount override ② Treat as quantity extensions		① = 0 ② = 2	<input type="checkbox"/> D <sub>3</sub>	<input type="checkbox"/> 0 D <sub>3</sub>
Use <00> key as <000> key.		No = 0 Yes = 4	<input type="checkbox"/> D <sub>2</sub>	<input type="checkbox"/> 0 D <sub>2</sub>
Always “0”			<input type="checkbox"/> 0 D <sub>1</sub>	<input type="checkbox"/> 0 D <sub>1</sub>

## Address code 07 (menu shift)

Description		Choice	Program code	Initial value
Maintenance of last menu shift: ① Do not maintain, ② Until next menu shift specification		① = 0 ② = 1	<input type="checkbox"/> D <sub>8</sub>	<input type="checkbox"/> 0 D <sub>8</sub>
Always “0000”			<input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 D <sub>7</sub> D <sub>6</sub> D <sub>5</sub> D <sub>4</sub>	<input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 D <sub>7</sub> D <sub>6</sub> D <sub>5</sub> D <sub>4</sub>
Always “000”			<input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>	<input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

This program is not effective for SE-S400 and SE-S3000.

**Address code 08 (print control for fixed total report)**

Description		Choice	Program code	Initial value
Print gross sales total on fixed total report. (GROSS)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b+c) D <sub>10</sub>	<input type="text" value="0"/> (a+b+c) D <sub>10</sub>
Print net sales total on fixed total report. (NET)	b	Yes = 0 No = 2		
Print cash in drawer total on fixed total report. (CAID)	c	Yes = 0 No = 4		
Print charge in drawer total on fixed total report. (CHID)		Yes = 0 No = 2	<input type="checkbox"/> D <sub>9</sub>	<input type="text" value="5"/> D <sub>9</sub>
Print check in drawer total on fixed total report. (CKID)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D <sub>8</sub>	<input type="text" value="2"/> (a+b) D <sub>8</sub>
Print credit in drawer total on fixed total report. (CRID( 1 )~( 4 ))	b	Yes = 0 No = 4		
Always "0"			<input type="text" value="0"/> D <sub>7</sub>	<input type="text" value="7"/> D <sub>7</sub>
Print RF mode total on fixed total report. (RF)		Yes = 0 No = 4	<input type="checkbox"/> D <sub>6</sub>	<input type="text" value="3"/> D <sub>6</sub>
Print the net number of customers on fixed total report. (CUST)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D <sub>5</sub>	<input type="text" value="2"/> (a+b) D <sub>5</sub>
Print the average sales per customer on fixed total report. (AVRG)	b	Yes = 0 No = 2		
Always "0"			<input type="text" value="0"/> D <sub>4</sub>	<input type="text" value="7"/> D <sub>4</sub>
Print commission 1 total on fixed total report. (C-1)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b+c) D <sub>3</sub>	<input type="text" value="7"/> (a+b+c) D <sub>3</sub>
Print commission 2 total on fixed total report. (C-2)	b	Yes = 0 No = 2		
Print foreign currency cash in drawer and check in drawer total on fixed total report. (CECA 1~2,CECK 1~2)	c	Yes = 0 No = 4		
Print <MINUS>, <COUPON>, <%-> and mix & match operation total on fixed total report. (DC)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D <sub>2</sub>	<input type="text" value="7"/> (a+b) D <sub>2</sub>
Print <REFUND> and <VOID> operation total on fixed total report. (REF)	b	Yes = 0 No = 2		
Print non taxable total on fixed total report. (NON TAX)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b+c) D <sub>1</sub>	<input type="text" value="1"/> (Australia) <input type="text" value="3"/> (Other area) D <sub>1</sub>
Print rounding totals on fixed total report. (ROUND)	b	Yes = 0 No = 2		
Print cancellation total on fixed total report. (CANCEL)	c	Yes = 0 No = 4		

## Key function/machine feature (P3)

### Address code 09 (print control for fixed total report)

Description		Choice	Program code	Initial value
Print taxable amount 1 total on fixed total report. (TA1)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D <sub>10</sub>	<input type="checkbox"/> (a+b) D <sub>10</sub>
Print tax 1 total on fixed total report. (TX1)	b	Yes = 0 No = 2		
Print taxable amount 2 total on fixed total report. (TA2)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D <sub>9</sub>	<input type="checkbox"/> (Australia) D <sub>9</sub>
Print tax 2 total on fixed total report. (TX2)	b	Yes = 0 No = 2		<input type="checkbox"/> (other area) D <sub>9</sub>
Print taxable amount 3 total on fixed total report. (TA3)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D <sub>8</sub>	<input type="checkbox"/> (a+b) D <sub>8</sub>
Print tax 3 total on fixed total report. (TX3)	b	Yes = 0 No = 2		
Print taxable amount 4 total on fixed total report. (TA4)	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D <sub>7</sub>	<input type="checkbox"/> (a+b) D <sub>7</sub>
Print tax 4 total on fixed total report. (TX4)	b	Yes = 0 No = 2		
Always "000"			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>6</sub> D <sub>5</sub> D <sub>4</sub>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>6</sub> D <sub>5</sub> D <sub>4</sub>
Always "000"			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

### Address code 10 (print control for taxable amount, till timer)

Description	Choice	Program code	Initial value
Print taxable amount 1 on receipt/journal	a	<div>□</div> <div>(a+b+c)</div> <div>D<sub>10</sub></div>	<div>0</div> <div>(a+b+c)</div> <div>D<sub>10</sub></div>
Print taxable amount 2 on receipt/journal	b		
Print taxable amount 3 on receipt/journal	c		
Print taxable amount 4 on receipt/journal		<div>□</div> <div>D<sub>9</sub></div>	<div>0</div> <div>D<sub>9</sub></div>
Always "0000"		<div>0 0 0 0</div> <div>D<sub>8</sub> D<sub>7</sub> D<sub>6</sub> D<sub>5</sub></div>	<div>0 0 0 0</div> <div>D<sub>8</sub> D<sub>7</sub> D<sub>6</sub> D<sub>5</sub></div>
Always "0000"		<div>0 0 0 0</div> <div>D<sub>4</sub> D<sub>3</sub> D<sub>2</sub> D<sub>1</sub></div>	<div>0 0 0 0</div> <div>D<sub>4</sub> D<sub>3</sub> D<sub>2</sub> D<sub>1</sub></div>

### Address code 14 (currency exchange control)

Description	Choice	Program code	Initial value
Monetary mode of CECA1 and CECK1 in fixed total report.	Significant number (0~9)	<div>□</div> <div>D<sub>8</sub></div>	<div>0</div> <div>D<sub>8</sub></div>
Decimal for CECA1 and CECK1 in fixed total report. ① Period = 0, ② Comma = 1	a	<div>□</div> <div>(a+b)</div> <div>D<sub>7</sub></div>	<div>0</div> <div>(a+b)</div> <div>D<sub>7</sub></div>
Separator for CECA1 and CECK1 in fixed total report. ① Comma = 0, ② Period = 4	b		
Monetary mode of CECA2 and CECK2 in fixed total report.	Significant number (0~9)	<div>□</div> <div>D<sub>6</sub></div>	<div>0</div> <div>D<sub>6</sub></div>
Decimal for CECA2 and CECK2 in fixed total report. ① Period = 0, ② Comma = 1	a	<div>□</div> <div>(a+b)</div> <div>D<sub>5</sub></div>	<div>0</div> <div>(a+b)</div> <div>D<sub>5</sub></div>
Separator for CECA2 and CECK2 in fixed total report. ① Comma = 0, ② Period = 4	b		
Always "0000"		<div>0 0 0 0</div> <div>D<sub>4</sub> D<sub>3</sub> D<sub>2</sub> D<sub>1</sub></div>	<div>0 0 0 0</div> <div>D<sub>4</sub> D<sub>3</sub> D<sub>2</sub> D<sub>1</sub></div>

## Key function/machine feature (P3)

### Address code 15 (print control for reports)

Description		Choice	Program code	Initial value
Zero skip department report.	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D <sub>10</sub>	<input type="checkbox"/> 0 (a+b) D <sub>10</sub>
Zero skip clerk report.	b	Yes = 0 No = 2		
Zero skip transaction key report.	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b+c) D <sub>9</sub>	<input type="checkbox"/> 0 (a+b+c) D <sub>9</sub>
Zero skip PLU report.	b	Yes = 0 No = 2		
Zero skip hourly report.	c	Yes = 0 No = 4		
Zero skip group report.	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D <sub>8</sub>	<input type="checkbox"/> 0 (a+b) D <sub>8</sub>
Zero skip monthly report.	b	Yes = 0 No = 2		
Always "0"			<input type="checkbox"/> 0 D <sub>7</sub>	<input type="checkbox"/> 0 D <sub>7</sub>
Prohibit issuing "OPEN CHECK Z" report.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>6</sub>	<input type="checkbox"/> 0 (a+b) D <sub>6</sub>
Prohibit issuing "Daily Z" report, if opened check exists.	b	No = 0 Yes = 2		
Open cash drawer when the flash or fixed total report is issued.	a	Yes = 0 No = 2	<input type="checkbox"/> (a+b) D <sub>5</sub>	<input type="checkbox"/> 0 (a+b) D <sub>5</sub>
Print PLU number on the PLU report.	b	No = 0 Yes = 4		
Print sales ratio.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>4</sub>	<input type="checkbox"/> 0 (a+b) D <sub>4</sub>
Issue double Z report.	b	No = 0 Yes = 2		
Print average sales in the monthly report.		Yes = 0 No = 1	<input type="checkbox"/> D <sub>3</sub>	<input type="checkbox"/> 0 D <sub>3</sub>
Print reset counter.		Yes = 0 No = 1	<input type="checkbox"/> D <sub>2</sub>	<input type="checkbox"/> 0 D <sub>2</sub>
Always "0"			<input type="checkbox"/> 0 D <sub>1</sub>	<input type="checkbox"/> 0 D <sub>1</sub>



# Address code 16 (print control for grand total)

Description		Choice	Program code	Initial value
Contents of the periodic 1 total: • Normal registration only = 0, • Training registration only = 1, • Both normal and training registration = 2		Significant number (0~2)	<input type="text"/> D <sub>10</sub>	<input type="text"/> D <sub>10</sub>
Contents of the periodic 2 total: • Normal registration only = 0, • Training registration only = 1, • Both normal and training registration = 2		Significant number (0~2)	<input type="text"/> D <sub>9</sub>	<input type="text"/> D <sub>9</sub>
Journal printing of the periodic 1 report	a	Yes = 0 No = 1	<input type="text"/> (a+b) D <sub>8</sub>	<input type="text"/> (a+b) D <sub>8</sub>
Journal printing of the periodic 2 report	b	Yes = 0 No = 2		
Print consecutive number range of the day on daily fixed total report.	a	No = 0 Yes = 1	<input type="text"/> (a+b) D <sub>7</sub>	<input type="text"/> (a+b) D <sub>7</sub>
Print invoice No. on report.	b	No = 0 Yes = 4		
Always "00"			<input type="text"/> <input type="text"/> D <sub>6</sub> D <sub>5</sub>	<input type="text"/> <input type="text"/> D <sub>6</sub> D <sub>5</sub>
Print Philippines grand total on periodic 1/periodic 2 reset report.		Yes = 0 No = 1	<input type="text"/> D <sub>4</sub>	<input type="text"/> D <sub>4</sub>
Print Philippines grand total on daily reset report.		Yes = 0 No = 1	<input type="text"/> D <sub>3</sub>	<input type="text"/> D <sub>3</sub>
Print grand total 1 on periodic 1/periodic 2 reset report.		Yes = 0 No = 1	<input type="text"/> D <sub>2</sub>	<input type="text"/> D <sub>2</sub>
Print grand total 1 on daily sales reset report.		Yes = 0 No = 1	<input type="text"/> D <sub>1</sub>	<input type="text"/> D <sub>1</sub>

## Key function/machine feature (P3)

### Address code 17 (print control)

Description		Choice	Program code	Initial value
Whenever pressing <PLUS>, <MINUS>, or <COUPON> after <ST>, the amount registered is proportioned amount all taxable amount.		No = 0 Yes = 2	<input type="checkbox"/> D <sub>7</sub>	<input type="text" value="0"/> D <sub>7</sub>
Rounding of commission: Round off = 0, Cut off = 1, Round up = 2		Significant number (0~2)	<input type="checkbox"/> D <sub>6</sub>	<input type="text" value="0"/> D <sub>6</sub>
Append two zeros in unit price programming.		No = 0 Yes = 1	<input type="checkbox"/> D <sub>5</sub>	<input type="text" value="0"/> D <sub>5</sub>
Print date on receipt.	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b+c) D <sub>4</sub>	<input type="text" value="0"/> (a+b+c) D <sub>4</sub>
Print date on journal.	b	Yes = 0 No = 2		
Print consecutive number on receipt/journal.	c	Yes = 0 No = 4		
Print time on receipt.	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b+c) D <sub>3</sub>	<input type="text" value="0"/> (a+b+c) D <sub>3</sub>
Print time on journal.	b	Yes = 0 No = 2		
Merge the same item registration on buffered receipt and post receipt. (Item consolidation)	c	No = 0 Yes = 4		
Always "0"			<input type="text" value="0"/> D <sub>2</sub>	<input type="text" value="0"/> D <sub>2</sub>
Alert electronic journal near end/end.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D <sub>1</sub>	<input type="text" value="0"/> (a+b+c) D <sub>1</sub>
Reset electronic journal (internal) after issuing daily reset report.	b	Yes = 0 No = 2		
Store sales data and electronic journal data in SD card.	c	No = 0 Yes = 4		

### Address code 18 (print control for guest receipt)

Description		Choice	Program code	Initial value
Classify registered item by group on guest receipt.		No = 0 Yes = 4	<input type="checkbox"/> D <sub>6</sub>	<input type="text" value="0"/> D <sub>6</sub>
Always "0"			<input type="text" value="0"/> D <sub>5</sub>	<input type="text" value="0"/> D <sub>5</sub>
Print date on guest receipt.	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b+c) D <sub>4</sub>	<input type="text" value="0"/> (a+b+c) D <sub>4</sub>
Print time on guest receipt.	b	Yes = 0 No = 2		
Print: ① Total only, ② Detail when D <sub>3</sub> = 4 (Item consolidation)	c	① = 0 ② = 4		
Merge the same item registration on guest receipt. (Item consolidation)		No = 0 Yes = 4	<input type="checkbox"/> D <sub>3</sub>	<input type="text" value="0"/> D <sub>3</sub>
Always "00"			<input type="text" value="0"/> <input type="text" value="0"/> D <sub>2</sub> D <sub>1</sub>	<input type="text" value="0"/> <input type="text" value="0"/> D <sub>2</sub> D <sub>1</sub>

**Address code 19 (double height character)**

Description	Choice	Program code	Initial value
Print double-height characters.	No = 0 Yes = 1	<input type="checkbox"/> D <sub>7</sub>	<input type="checkbox"/> D <sub>7</sub>
Always “000”		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>6</sub> D <sub>5</sub> D <sub>4</sub>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>6</sub> D <sub>5</sub> D <sub>4</sub>
Always “000”		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

**Address code 21 (message control)**

Description		Choice	Program code	Initial value
Print graphic type logo. (If select “No”, character type logo is printed.)	a	No = 0 Yes = 2	<input type="checkbox"/> (a+b) D <sub>10</sub>	<input type="checkbox"/> (a+b) D <sub>10</sub>
Print watermark on receipt.	b	No = 0 Yes = 4		
Print commercial message on guest receipt.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D <sub>9</sub>	<input type="checkbox"/> (a+b+c) D <sub>9</sub>
Print bottom message on guest receipt.	b	No = 0 Yes = 2		
Print intermediate message on guest receipt.	c	No = 0 Yes = 4		
Always “00”			<input type="checkbox"/> <input type="checkbox"/> D <sub>8</sub> D <sub>7</sub>	<input type="checkbox"/> <input type="checkbox"/> D <sub>8</sub> D <sub>7</sub>
Print commercial message on receipts in REG/RF mode.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D <sub>6</sub>	<input type="checkbox"/> (a+b+c) D <sub>6</sub>
Print bottom message on receipts in REG/RF mode.	b	No = 0 Yes = 2		
Print commercial message on journal in REG/RF mode.	c	No = 0 Yes = 4		
Print bottom message on journal in REG/RF mode.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D <sub>5</sub>	<input type="checkbox"/> (a+b+c) D <sub>5</sub>
Print commercial message on receipts in X/Z mode.	b	No = 0 Yes = 2		
Print bottom message on receipts in X/Z mode.	c	No = 0 Yes = 4		
Print commercial message on journal in X/Z mode.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D <sub>4</sub>	<input type="checkbox"/> (a+b+c) D <sub>4</sub>
Print bottom message on journal in X/Z mode.	b	No = 0 Yes = 2		
Print commercial message on receipts in PGM mode.	c	No = 0 Yes = 4		
Print bottom message on receipts in PGM mode.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D <sub>3</sub>	<input type="checkbox"/> (a+b+c) D <sub>3</sub>
Print commercial message on journal in PGM mode.	b	No = 0 Yes = 2		
Print bottom message on journal in PGM mode.	c	No = 0 Yes = 4		
Print commercial message on FC or AUTO-PGM receipts.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D <sub>2</sub>	<input type="checkbox"/> (a+b+c) D <sub>2</sub>
Print bottom message on FC or AUTO-PGM receipts.	b	No = 0 Yes = 2		
Print commercial message on FC or AUTO-PGM journal.	c	No = 0 Yes = 4		
Print bottom message on FC or AUTO-PGM journal.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>1</sub>	<input type="checkbox"/> (a+b) D <sub>1</sub>
Print Australian GST MOF message.	b	No = 0 Yes = 4		

# Key function/machine feature (P3)

## Address code 25 (condiment etc.)

Description		Choice	Program code	Initial value
			<input type="checkbox"/> D <sub>3</sub>	<input type="checkbox"/> 1 (Australia) <input type="checkbox"/> 0 (other area) D <sub>3</sub>
Always "0"			<input type="checkbox"/> D <sub>2</sub>	<input type="checkbox"/> 0 D <sub>2</sub>
Restrict (to 0 or 5) on the last one digit for amount tender.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D <sub>1</sub>	<input type="checkbox"/> 4 (Australia) <input type="checkbox"/> 0 (other area) D <sub>1</sub>
Obeys registration quantities of child PLU to its parent PLU.	b	Yes = 0 No = 2		
Restriction (to 0 or 5) on the last one digit for <CASH>, <RA>, <PO>, money declaration amount (by <CASH> or <NON ADD>)	c	No = 0 Yes = 4		

## Address code 26 (check tracking)

Description		Choice	Program code	Initial value
Guest receipt compulsory (New balance)		No = 0 Yes = 4	<input type="checkbox"/> D <sub>8</sub>	<input type="checkbox"/> 0 D <sub>8</sub>
Check number compulsory	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D <sub>6</sub>	<input type="checkbox"/> 0 (a+b+c) D <sub>6</sub>
Number of customer compulsory	b	No = 0 Yes = 2		
Guest receipt compulsory (exclude NB)	c	No = 0 Yes = 4		
Check tracking method: ① Check No., ② Table No.		① = 0 ② = 1	<input type="checkbox"/> D <sub>6</sub>	<input type="checkbox"/> 0 D <sub>6</sub>
Tax calculation by new balance (Calculation result is not saved into totalizer.)	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>5</sub>	<input type="checkbox"/> 0 (a+b) D <sub>5</sub>
Enable to open check which is opened by other clerk.	b	Yes = 0 No = 4		
Enable to perform <NEW/OLD> during check tracking/clerk interrupt.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D <sub>4</sub>	<input type="checkbox"/> 0 (a+b+c) D <sub>4</sub>
Print previous balance amount, when registration begins with old check.	b	Yes = 0 No = 2		
Sign off after ticket issuance.	c	No = 0 Yes = 4		
Always "000"			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

## Address code 27 (clerk control)

Description		Choice	Program code	Initial value
Enable clerk/cashier interrupt.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>10</sub>	<input type="checkbox"/> (a+b) D <sub>10</sub>
Print of clerk/cashier's name on receipt following sign back on at D <sub>10</sub> = 1. (enable clerk/cashier interrupt.)	b	No = 0 Yes = 4		
Enable clerk function.		No = 0 Yes = 4	<input type="checkbox"/> D <sub>9</sub>	<input type="checkbox"/> 0 D <sub>9</sub>
Always "000000"			<input type="checkbox"/> ~ <input type="checkbox"/> D <sub>8</sub> ~ D <sub>3</sub>	<input type="checkbox"/> ~ <input type="checkbox"/> D <sub>8</sub> ~ D <sub>3</sub>
Auto sign-off timer. (in second) ("00" means no auto sign-off.)	Significant numbers		<input type="checkbox"/> <input type="checkbox"/> D <sub>2</sub> D <sub>1</sub>	<input type="checkbox"/> <input type="checkbox"/> D <sub>2</sub> D <sub>1</sub>

**Address code 28 (Euro)**

Description	Choice	Program code	Initial value
Define Euro as main currency.	Yes = 0 No = 1	<input type="checkbox"/> D <sub>10</sub>	<input type="checkbox"/> D <sub>10</sub>
Select rounding option: Round off = 0, Cut off = 1, Round up = 2	Significant number (0~2)	<input type="checkbox"/> D <sub>9</sub>	<input type="checkbox"/> D <sub>9</sub>
Exchange rate	Significant numbers	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>8</sub> D <sub>7</sub> D <sub>6</sub> D <sub>5</sub> D <sub>4</sub> D <sub>3</sub>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>8</sub> D <sub>7</sub> D <sub>6</sub> D <sub>5</sub> D <sub>4</sub> D <sub>3</sub>
Decimal point position of exchange rate: Integer only = 0, 1st decimal place = 1, 2nd decimal place = 2, 3rd decimal place = 3, 4th decimal place = 4, 5th decimal place = 5, 6th decimal place = 6 Example: (D <sub>8</sub> ~D <sub>2</sub> ) 1 Euro = 1.977 DM; Set "0019773" 1 Euro = 1957.77319 Lit; Set "1957772"	Significant number	<input type="checkbox"/> D <sub>2</sub>	<input type="checkbox"/> D <sub>2</sub>
Always "0"		<input type="checkbox"/> D <sub>1</sub>	<input type="checkbox"/> D <sub>1</sub>

**Address code 29 (Euro)**

Description	Choice	Program code	Initial value
Monetary mode of sub currency: 0 = 0, 00 = 1, 000 = 2, 0000 = 3	Significant number (0~3)	<input type="checkbox"/> D <sub>10</sub>	<input type="checkbox"/> D <sub>10</sub>
Apply rounding for sub currency. * No rounding = 0, IF1 = 1, IF2 = 2, Danish = 3, Norwegian = 4, Singapore = 5, Finnish = 6, Australian = 7, South African = 8	Significant number (0~8)	<input type="checkbox"/> D <sub>9</sub>	<input type="checkbox"/> D <sub>9</sub>
Always "0"		<input type="checkbox"/> D <sub>8</sub>	<input type="checkbox"/> D <sub>8</sub>
Print tendered amount in sub currency converted to main currency.	a No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D <sub>7</sub>	<input type="checkbox"/> (a+b+c) D <sub>7</sub>
Selection of the currency of subtotal printout: ① Main currency only, ② Main and sub currency	b ① = 0 ② = 2		
Print total in sub currency by double sized letter.	c No = 0 Yes = 4		
Selection of the currency of change: ① Main currency, ② Sub currency	a ① = 0 ② = 1	<input type="checkbox"/> (a+b+c) D <sub>6</sub>	<input type="checkbox"/> (a+b+c) D <sub>6</sub>
Print the cash in drawer of sub currency on fixed total reports. (If the cash in drawer of main currency is skipped, this line is also skipped.)	b No = 0 Yes = 2		
Display symbol of sub currency: ① £ (Euro), ② L (Local)	c ① = 0 ② = 4		
The currency to restrict (to 00, 25, 50, 75) on last two digits for amount tendered: ① Main currency, ② Sub currency (It is necessary to set this restriction to <CASH> key.)	a ① = 0 ② = 1	<input type="checkbox"/> (a+b+c) D <sub>5</sub>	<input type="checkbox"/> (a+b+c) D <sub>5</sub>
Print rounding total of sub currency on fixed totalizer report.	b No = 0 Yes = 2		
Last 1 digit for sub currency monetary amount entries to 0 or 5.	c No = 0 Yes = 4		
Selection of the change amount printout: ① Main and sub currency, ② Dependent upon D <sub>6</sub> -a of this worksheet.	a ① = 0 ② = 1	<input type="checkbox"/> (a+b) D <sub>4</sub>	<input type="checkbox"/> (a+b) D <sub>4</sub>
Calculation method of change amount in main currency into sub currency: ① Convert the change amount in main currency into sub currency. ② Subtract the equivalent value of subtotal amount in sub currency from the equivalent value of the tendered amount in sub currency.	b ① = 0 ② = 2		
Always "000"		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

\* Refer to the Address code 04 programming.

## Key function/machine feature (P3)

### Address code 30 (thermal printer control)

Description	Choice	Program code	Initial value
Print preset receipt message and graphic.	a	<input type="checkbox"/>	<input type="checkbox"/> 0
Print preset receipt message and graphic: ① at the bottom of the receipt, ② at the top of the receipt	b	(a+b) D <sub>5</sub>	(a+b) D <sub>5</sub>
Journal compressed print (print by half height characters)	Yes = 0 No = 1	<input type="checkbox"/> D <sub>4</sub>	<input type="checkbox"/> 0 D <sub>4</sub>
Always "000"		<input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>	<input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

### Address code 31 (scanning)

Description	Choice	Program code	Initial value
The oldest item is deleted if the scanning PLU file becomes full. (If "No" is selected, alert only.)	Yes = 0 No = 1	<input type="checkbox"/> D <sub>8</sub>	<input type="checkbox"/> 0 D <sub>8</sub>
Always "0"		<input type="checkbox"/> 0 D <sub>7</sub>	<input type="checkbox"/> 0 D <sub>7</sub>
Print scanning PLU code on receipt.	a	<input type="checkbox"/>	<input type="checkbox"/> 6
Print scanning PLU code on journal.	b	(a+b+c) D <sub>6</sub>	(a+b+c) D <sub>6</sub>
Print scanning PLU code on report.	c	No = 0 Yes = 4	
Always "00"		<input type="checkbox"/> 0 <input type="checkbox"/> 0 D <sub>5</sub> D <sub>4</sub>	<input type="checkbox"/> 0 <input type="checkbox"/> 0 D <sub>5</sub> D <sub>4</sub>
Inactive days: (If a scanning PLU did not move during these days period, this item will be printed on the Inactive scanning PLU report.)	Significant numbers	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>	<input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

### Address code 34 (backlight control)

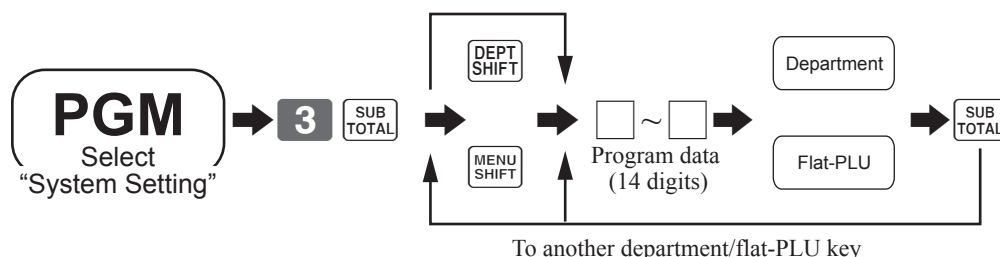
Description	Choice	Program code	Initial value
Backlight	Available = 0 Not available = 1	<input type="checkbox"/> D <sub>4</sub>	<input type="checkbox"/> 0 D <sub>4</sub>
Always "0"		<input type="checkbox"/> 0 D <sub>3</sub>	<input type="checkbox"/> 0 D <sub>3</sub>
Backlight off timer (01~59 minutes, "00" means always on.)		<input type="checkbox"/> <input type="checkbox"/> D <sub>2</sub> D <sub>1</sub>	<input type="checkbox"/> 2 <input type="checkbox"/> 0 D <sub>2</sub> D <sub>1</sub>

## Department key/flat-PLU key/PLU program (Batch feature programming)

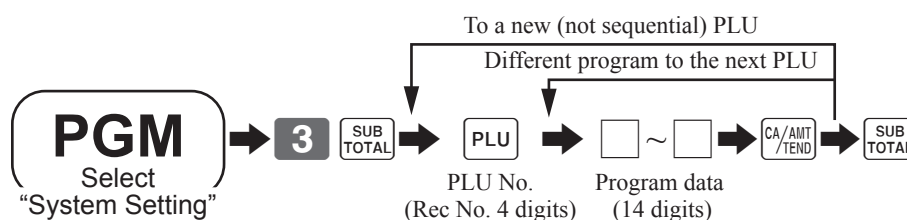
### Programming procedure

Refer to page 8 to enter the program mode.

#### Department/flat-PLU key



#### PLU



### Program data

Description	Choice	Program code
Age limitation ("00" means no limitation.)	Significant numbers (00~99)	<input type="text"/> <input type="text"/> D <sub>14</sub> D <sub>13</sub>
Single item control: Normal receipt = 0, Single item receipt = 3	Significant number	<input type="text"/> D <sub>12</sub>
Multiplication registration is enable. (Only effective for scanning PLU linked to this department.)	No = 0 Yes = 2	<input type="text"/> D <sub>11</sub>
Normal/Condiment/Preparation (Not for department) Normal item = 0, Condiment = 1, Preparation = 2	Significant number	<input type="text"/> D <sub>10</sub>
Disable operation in RF/REG- mode.	a No = 0 Yes = 1	<input type="text"/> (a+b) D <sub>9</sub>
Disable operation in REG mode.	b No = 0 Yes = 4	
Taxable status: See the next page.		<input type="text"/> <input type="text"/> D <sub>8</sub> D <sub>7</sub>
Enable 0 unit price.	a No = 0 Yes = 1	<input type="text"/> (a+b+c) D <sub>6</sub>
Enable negative price.	b No = 0 Yes = 2	
Hash	c No = 0 Yes = 4	
Always "0"		<input type="text"/> 0 D <sub>5</sub>
Low digit limitation (LDL) for manually entered unit price	Significant number	<input type="text"/> D <sub>4</sub>
Open PLU (only for PLU)	No = 0 Yes = 4	<input type="text"/> D <sub>3</sub>
Commission 1	a No = 0 Yes = 1	<input type="text"/> (a+b+c) D <sub>2</sub>
Commission 2	b No = 0 Yes = 2	
Prepared tax status (Canadian tax)	c Yes = 0 No = 4	
Compulsory number of condiment/preparation PLU input.	Significant number (0~8)	<input type="text"/> D <sub>1</sub>

# Key function/machine feature (P3)

## Taxable status

for the U.S./Singapore

Always “0”			<div>0</div> <div>D<sub>8</sub></div>
Taxable 1 status	a	No = 0 Yes = 1	<div></div> <div>(a+b+c) D<sub>7</sub></div>
Taxable 2 status	b	No = 0 Yes = 2	
Taxable 3 status	c	No = 0 Yes = 4	

for Canada

Non tax = 00	Taxable 3 = 03	Taxable 1 & 3 = 06	Significant number	<div><div></div><div></div></div>
Taxable 1 = 01	Taxable 4 = 04	Taxable 1 & 4 = 07		<div>D<sub>8</sub></div> <div>D<sub>7</sub></div>
Taxable 2 = 02	Taxable 1 & 2 = 05			

for Other area

Non tax = 00	Taxable 2 = 02	Taxable 4 = 04	Significant numbers	<div></div> <div>D<sub>8</sub></div> <div></div> <div>D<sub>7</sub></div>
Taxable 1 = 01	Taxable 3 = 03			

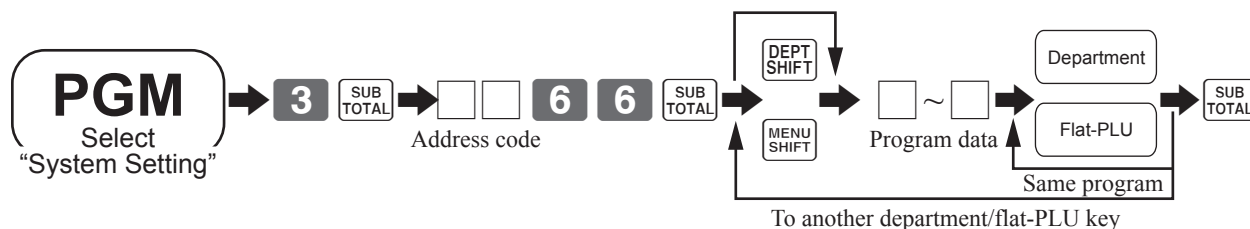


## Department key/flat-PLU key/PLU program (Individual feature programming)

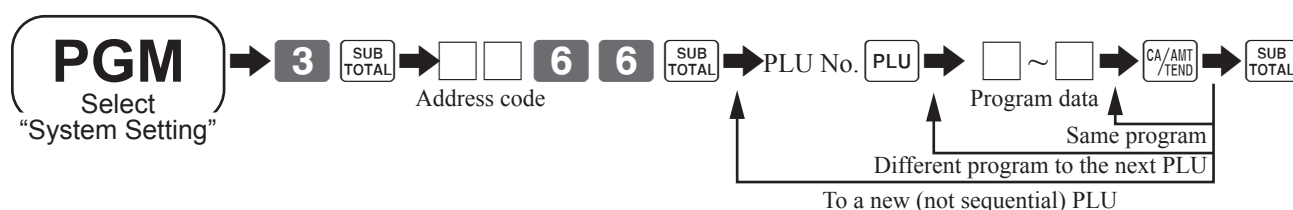
### Programming procedure

Refer to page 8 to enter the program mode.

#### Department/flat-PLU key



#### PLU



### Program data (by address code)

#### Address code 11 (link)

Description	Choice	Program code
Link group record number: (00~50)	Significant numbers	<input type="text"/> <input type="text"/> D <sub>6</sub> D <sub>5</sub>
Always "0"		<input type="text"/> D <sub>4</sub>
Link department record number for PLU only: (00~200) Always "000" for department	Significant numbers	<input type="text"/> <input type="text"/> <input type="text"/> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

#### Address code 13 (set menu)

Description	Choice	Program code
Set menu table record number (only for PLU)	Significant numbers	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> D <sub>4</sub> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

#### Address code 15 (high amount limit)

Description	Choice	Program code
High amount limit for entering unit price manually.	Significant numbers	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> D <sub>6</sub> D <sub>5</sub> D <sub>4</sub> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

## Key function/machine feature (P3)

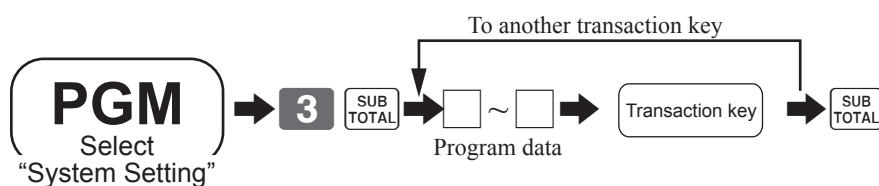
### Other address code

Address code	Description	Choice	Program code
18	Single item control: Normal receipt = 0, Single item receipt = 3	Significant number	<input type="text"/>
19	Multiplication registration is enable. (Only effective for scanning PLU linked to this department.)	No = 0 Yes = 2	<input type="text"/>
01	Normal/Condiment/Preparation (Not for department) Normal item = 0, Condiment = 1, Preparation = 2	Significant number	<input type="text"/>
02	Disable operation in RF/REG– mode.	a No = 0 Yes = 1	<input type="text"/> (a+b)
	Disable operation in REG mode.	b No = 0 Yes = 4	
03	Taxable status: See the status table of the batch feature programming section.	Significant numbers	<input type="text"/> <input type="text"/>
05	Enable 0 unit price.	a No = 0 Yes = 1	<input type="text"/> (a+b+c)
	Enable negative price.	b No = 0 Yes = 2	
	Hash	c No = 0 Yes = 4	
07	Low digit limitation (LDL) for manually entered unit price	Significant number	<input type="text"/>
04	Open PLU (only for PLU)	No = 0 Yes = 4	<input type="text"/>
09	Commission 1	a No = 0 Yes = 1	<input type="text"/> (a+b+c)
	Commission 2	b No = 0 Yes = 2	
	Prepared tax status (Canadian tax)	c No = 0 Yes = 4	
10	Compulsory number of condiment/preparation PLU input.	Significant number (0~8)	<input type="text"/>
26	Age limitation (“00” means no limitation.)	Significant numbers (00~99)	<input type="text"/> <input type="text"/>

## Transaction key program

### Programming procedure

Refer to page 8 to enter the program mode.



### Program data

<CASH>, <CHARGE>, <CHECK>

Description		Choice	Program code
Restriction (to 00, 50) on last two digits for amount tendered. (Only for <CASH> in Danish rounding)		No = 0 Yes = 4	<div><input type="checkbox"/></div> <div>D<sub>10</sub></div>
Disable operation in RF/REG– mode.	a	No = 0 Yes = 1	<div><input type="checkbox"/></div> <div>(a+b) D<sub>9</sub></div>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Always “0”			<div><input type="checkbox"/></div> <div>0</div> <div>D<sub>8</sub></div>
Prohibit entry of a partial payment.	a	No = 0 Yes = 1	<div><input type="checkbox"/></div> <div>(a+b+c) D<sub>7</sub></div>
Prohibit the entry of the amount tendered.	b	No = 0 Yes = 2	
Force entry of the amount tendered.	c	No = 0 Yes = 4	
Print VAT breakdown.		No = 0 Yes = 1	<div><input type="checkbox"/></div> <div>D<sub>6</sub></div>
French food coupon	a	No = 0 Yes = 1	<div><input type="checkbox"/></div> <div>(a+b) D<sub>5</sub></div>
Perform Finnish rounding.	b	No = 0 Yes = 4	
High amount limit specification for subtotal and tendering amounts.		Maximum value (0~9)	<div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div>D<sub>4</sub> D<sub>3</sub></div>
		Number of zeros (0~9)	
High amount limit specification for change amount due.		Maximum value (0~9)	<div><input type="checkbox"/></div> <div><input type="checkbox"/></div> <div>D<sub>2</sub> D<sub>1</sub></div>
		Number of zeros (0~9)	

## Key function/machine feature (P3)

### <CREDIT>

Description		Choice	Program code
Disable operation in RF/REG– mode.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>9</sub>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Always “0”			<input type="checkbox"/> D <sub>8</sub>
Prohibit entry of a partial payment.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D <sub>7</sub>
Prohibit the entry of the amount tendered.	b	No = 0 Yes = 2	
Force entry of the amount tendered.	c	No = 0 Yes = 4	
Print VAT breakdown.		No = 0 Yes = 1	<input type="checkbox"/> D <sub>6</sub>
French food coupon	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>5</sub>
Perform Finnish rounding.	b	No = 0 Yes = 4	
High amount limit specification for subtotal and tendering amounts.		Maximum value (0~9)	<input type="checkbox"/> <input type="checkbox"/> D <sub>4</sub> D <sub>3</sub>
		Number of zeros (0~9)	
Always “0”			<input type="checkbox"/> D <sub>2</sub>
Specify credit in drawer total in the fixed totalizer.		Significant number (0~4)	<input type="checkbox"/> D <sub>1</sub>

### <NEW BALANCE>

Description		Choice	Program code
Cancel the transaction if no item is registered.		No = 0 Yes = 4	<input type="checkbox"/> D <sub>10</sub>
Disable operation in RF/REG– mode.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>9</sub>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Open drawer when the key is pressed.	a	No = 0 Yes = 2	<input type="checkbox"/> (a+b) D <sub>8</sub>
No receipt is issued.	b	No = 0 Yes = 4	
Function after normal (not in check tracking) registration: Operation error = 0, Auto Cash = 1		Significant number	<input type="checkbox"/> D <sub>7</sub>
Print VAT breakdown.		No = 0 Yes = 1	<input type="checkbox"/> D <sub>6</sub>
Always “00000”			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>5</sub> D <sub>4</sub> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

<TIP>

Description		Choice	Program code
Disable operation in RF/REG– mode.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>9</sub>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Always “00000”			<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> D <sub>8</sub> D <sub>7</sub> D <sub>6</sub> D <sub>5</sub> D <sub>4</sub>
High digit limitation (HDL) for manually entered unit price. (“9” means NOT allow manual entry.)		Significant number	<input type="text"/> D <sub>3</sub>
Always “00”			<input type="text" value="0"/> <input type="text" value="0"/> D <sub>2</sub> D <sub>1</sub>

<RECEIVED ON ACCOUNT>, <PAID OUT>

Description		Choice	Program code
Disable operation in RF/REG– mode.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>9</sub>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Always “0000”			<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> D <sub>8</sub> D <sub>7</sub> D <sub>6</sub> D <sub>5</sub>
High amount limit specification for entering amounts.	Maximum value (0~9)		<input type="text"/> <input type="text"/> D <sub>4</sub> D <sub>3</sub>
	Number of zeros (0~9)		
Always “00”			<input type="text" value="0"/> <input type="text" value="0"/> D <sub>2</sub> D <sub>1</sub>

These programmable options are not effective for the Euro function.

# Key function/machine feature (P3)

<+ (PLUS)>, <- (MINUS)>, <COUPON>

Description		Choice	Program code
Disable operation in RF/REG- mode.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>9</sub>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Taxable status: See below.			<input type="checkbox"/> <input type="checkbox"/> D <sub>8</sub> D <sub>7</sub>
Allow credit balance.( —, Or CPN only)	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>6</sub>
Treated as out of sales, even if the registration is the first transaction. (+ Only)	b	No = 0 Yes = 2	
Always “0”			<input type="checkbox"/> D <sub>5</sub>
Allow key operation after <SUBTOTAL>	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D <sub>4</sub>
Allow key operation after item registration	b	Yes = 0 No = 4	
High digit limitation (HDL) for manually entered unit price (“8” and “9” mean NOT allow manual entry.)		Significant number	<input type="checkbox"/> D <sub>3</sub>
Commission 1	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D <sub>2</sub>
Commission 2	b	No = 0 Yes = 2	
Prepared tax status (Canadian tax)	c	Yes = 0 No = 4	
Always “0”			<input type="checkbox"/> D <sub>1</sub>

## Taxable status

For the U.S./Singapore

Always “0”			<input type="checkbox"/> D <sub>8</sub>
Taxable 1 status	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D <sub>7</sub>
Taxable 2 status	b	No = 0 Yes = 2	
Taxable 3 status	c	No = 0 Yes = 4	

for Canada

Non tax = 00	Taxable 3 = 03	Taxable 1 & 3 = 06	Significant number	<input type="checkbox"/> <input type="checkbox"/> D <sub>8</sub> D <sub>7</sub>
Taxable 1 = 01	Taxable 4 = 04	Taxable 1 & 4 = 07		
Taxable 2 = 02	Taxable 1 & 2 = 05	All taxable = 99		

for Other area

Non tax = 00	Taxable 2 = 02	Taxable 4 = 04	Significant numbers	<input type="checkbox"/> <input type="checkbox"/> D <sub>8</sub> D <sub>7</sub>
Taxable 1 = 01	Taxable 3 = 03	All taxable = 99		

# <PREMIUM (%+)>, <DISCOUNT (%-)>

Description		Choice	Program code
Disable operation in RF/REG- mode.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>9</sub>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Taxable status: See below.			<input type="checkbox"/> <input type="checkbox"/> D <sub>8</sub> D <sub>7</sub>
Prohibit manual rate override.		No = 0 Yes = 2	<input type="checkbox"/> D <sub>6</sub>
Rounding: Round off = 0, cut off = 1, round up = 2		Significant number	<input type="checkbox"/> D <sub>5</sub>
Allow key operation after <SUBTOTAL>	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D <sub>4</sub>
Allow key operation after item registration.	b	Yes = 0 No = 4	
Always "0"			<input type="checkbox"/> 0 D <sub>3</sub>
Commission 1	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D <sub>2</sub>
Commission 2	b	No = 0 Yes = 2	
Prepared tax status (Canadian tax)	c	Yes = 0 No = 4	
Always "0"			<input type="checkbox"/> 0 D <sub>1</sub>

## Taxable status

for the U.S./Singapore

Always "0"			<input type="checkbox"/> 0 D <sub>8</sub>
Taxable 1 status	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b+c) D <sub>7</sub>
Taxable 2 status	b	No = 0 Yes = 2	
Taxable 3 status	c	No = 0 Yes = 4	

for Canada

Non tax = 00	Taxable 3 = 03	Taxable 1 & 3 = 06	Significant number	<input type="checkbox"/> <input type="checkbox"/> D <sub>8</sub> D <sub>7</sub>
Taxable 1 = 01	Taxable 4 = 04	Taxable 1 & 4 = 07		
Taxable 2 = 02	Taxable 1 & 2 = 05	All taxable = 99		

for Other area

Non tax = 00	Taxable 2 = 02	Taxable 4 = 04	Significant numbers	<input type="checkbox"/> <input type="checkbox"/> D <sub>8</sub> D <sub>7</sub>
Taxable 1 = 01	Taxable 3 = 03	All taxable = 99		

## Key function/machine feature (P3)

### <MANUAL TAX>

Description		Choice	Program code
Disable operation in RF/REG– mode.	a	No = 0 Yes = 1	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> (a+b) D <sub>9</sub>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Always “00000”			<div style="display: flex; justify-content: space-around; font-size: 10px;"> <span>0</span><span>0</span><span>0</span><span>0</span><span>0</span> </div> <div style="display: flex; justify-content: space-around; font-size: 8px;"> <span>D<sub>8</sub></span><span>D<sub>7</sub></span><span>D<sub>6</sub></span><span>D<sub>5</sub></span><span>D<sub>4</sub></span> </div>
High digit limitation (HDL) for manually entered unit price (“9” means NOT allow manual entry.)		Significant number	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> D <sub>3</sub>
Always “00”			<div style="display: flex; justify-content: space-around; font-size: 10px;"> <span>0</span><span>0</span> </div> <div style="display: flex; justify-content: space-around; font-size: 8px;"> <span>D<sub>2</sub></span><span>D<sub>1</sub></span> </div>

### <ERROR CORRECTION/CANCEL>

Description		Choice	Program code
Disable operation in RF/REG– mode.	a	No = 0 Yes = 1	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> (a+b) D <sub>9</sub>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Always “0000000”			<div style="display: flex; justify-content: space-around; font-size: 10px;"> <span>0</span><span>0</span><span>0</span><span>0</span><span>0</span><span>0</span><span>0</span> </div> <div style="display: flex; justify-content: space-around; font-size: 8px;"> <span>D<sub>8</sub></span><span>D<sub>7</sub></span><span>D<sub>6</sub></span><span>D<sub>5</sub></span><span>D<sub>4</sub></span><span>D<sub>3</sub></span><span>D<sub>2</sub></span> </div>
Always “0”			<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; text-align: center; line-height: 20px;">0</div> D <sub>1</sub>

These programmable options are not effective for error correction function.

### <VOID>

Description		Choice	Program code
Disable operation in RF/REG– mode.	a	No = 0 Yes = 1	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> (a+b) D <sub>9</sub>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Always “0000000”			<div style="display: flex; justify-content: space-around; font-size: 10px;"> <span>0</span><span>0</span><span>0</span><span>0</span><span>0</span><span>0</span><span>0</span> </div> <div style="display: flex; justify-content: space-around; font-size: 8px;"> <span>D<sub>8</sub></span><span>D<sub>7</sub></span><span>D<sub>6</sub></span><span>D<sub>5</sub></span><span>D<sub>4</sub></span><span>D<sub>3</sub></span><span>D<sub>2</sub></span> </div>
Always “0”			<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; text-align: center; line-height: 20px;">0</div> D <sub>1</sub>



## &lt;RECEIPT&gt;

Description		Choice	Program code
Disable operation in RF/REG– mode.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>9</sub>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Always “0”			<input type="checkbox"/> D <sub>8</sub>
Print current time on guest receipt.		No = 0 Yes = 4	<input type="checkbox"/> D <sub>7</sub>
Clear finalized check.		Yes = 0 No = 1	<input type="checkbox"/> D <sub>6</sub>
Always “0”			<input type="checkbox"/> D <sub>5</sub>
Print journal when receipt is issued by <RECEIPT>.		No = 0 Yes = 1	<input type="checkbox"/> D <sub>4</sub>
Always “0”			<input type="checkbox"/> D <sub>3</sub>
Line number of guest bottom message (00~10): (“00” means no bottom message.)		Significant numbers	<input type="checkbox"/> <input type="checkbox"/> D <sub>2</sub> D <sub>1</sub>

## &lt;NON ADD (#)&gt;, &lt;NON ADD (#)/NO SALE&gt;

Description		Choice	Program code
Disable operation in RF/REG– mode.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>9</sub>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Always “0”			<input type="checkbox"/> D <sub>8</sub>
Allow mode change or clerk change after non-add registration as the first transaction. (Only for non-add function)		Yes = 0 No = 1	<input type="checkbox"/> D <sub>7</sub>
Always “000000”			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>6</sub> D <sub>5</sub> D <sub>4</sub> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

## &lt;CUSTOMER&gt;

Description		Choice	Program code
Disable operation in RF/REG– mode.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>9</sub>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Always “0”			<input type="checkbox"/> D <sub>8</sub>
Input method: Allow replacement = 0, Prohibit replacement = 1, Add entered value = 2		Significant number	<input type="checkbox"/> D <sub>7</sub>
Always “000000”			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>6</sub> D <sub>5</sub> D <sub>4</sub> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

## Key function/machine feature (P3)

### <ARRANGEMENT>

Description		Choice	Program code
Enable operation in X mode.	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b+c) D <sub>10</sub>
Enable operation in Z mode.	b	Yes = 0 No = 2	
Enable operation in X2/Z2 mode.	c	Yes = 0 No = 4	
Enable operation in RF/REG- mode.	a	Yes = 0 No = 1	<input type="checkbox"/> (a+b) D <sub>9</sub>
Enable operation in REG mode.	b	Yes = 0 No = 4	
Always "0"			<input type="checkbox"/> 0 D <sub>8</sub>
Treat numeric entry as arrange table number		No = 0 Yes = 1	<input type="checkbox"/> D <sub>7</sub>
Arrange table link "000000 to 999999"		Significant number	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>6</sub> D <sub>5</sub> D <sub>4</sub> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

### <CURRENCY EXCHANGE>

Description		Choice	Program code
Disable operation in RF/REG- mode.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>9</sub>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Always "0"			<input type="checkbox"/> 0 D <sub>8</sub>
Define amount symbol. (0, 1~4) ("0" means local currency symbol.)		Significant number	<input type="checkbox"/> D <sub>7</sub>
Define foreign currency totalizer. (0, 1, 2) ("0" treats as "1".)		Significant number	<input type="checkbox"/> D <sub>6</sub>
Rounding: Round off = 0, cut off = 1, round up = 2		Significant number	<input type="checkbox"/> D <sub>5</sub>
Always "0"			<input type="checkbox"/> 0 D <sub>4</sub>
Monetary mode (0~9): □□□ = 2, □□ = 1, □ = 0, □□□□ = 3		Significant number	<input type="checkbox"/> D <sub>3</sub>
Monetary symbol for decimal	a	Decimal = 0 Comma = 1	<input type="checkbox"/> (a+b) D <sub>2</sub>
Monetary symbol for separator	b	Comma = 0 Decimal = 4	
Always "0"			<input type="checkbox"/> 0 D <sub>1</sub>

## &lt;TAX SHIFT&gt;

Description		Choice	Program code
Disable operation in RF/REG– mode.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>9</sub>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Taxable status (00, 01~04) ("00" means taxable 1.)			<input type="checkbox"/> <input type="checkbox"/> D <sub>8</sub> D <sub>7</sub>
Always "000000"			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>6</sub> D <sub>5</sub> D <sub>4</sub> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

## &lt;OPEN&gt;

Description		Choice	Program code
Disable operation in RF/REG– mode.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>9</sub>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Always "0"			<input type="checkbox"/> D <sub>8</sub>
Release "High amount limit."		No = 0 Yes = 1	<input type="checkbox"/> D <sub>7</sub>
Always "000000"			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>6</sub> D <sub>5</sub> D <sub>4</sub> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

## &lt;CLERK NUMBER&gt;

Description		Choice	Program code
Disable operation in RF/REG– mode.	a	No = 0 Yes = 1	<input type="checkbox"/> (a+b) D <sub>9</sub>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Always "0000"			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>8</sub> D <sub>7</sub> D <sub>6</sub> D <sub>5</sub>
Clerk secret number (0000~9999) ("0000" means no secret number.)			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> D <sub>4</sub> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

## Key function/machine feature (P3)

### <SUBTOTAL>, <MERCHANDISE SUBTOTAL>

Description		Choice	Program code
Disable operation in RF/REG– mode.	a	No = 0 Yes = 1	<div>□</div> <div>(a+b) D<sub>9</sub></div>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Always “00”			<div>0 0</div> <div>D<sub>8</sub> D<sub>7</sub></div>
Include add-on tax. (<SUBTOTAL> only)	a	Yes = 0 No = 1	<div>□</div> <div>(a+b) D<sub>6</sub></div>
Print when key is pressed.	b	No = 0 Yes = 4	
Always “00000”			<div>0 0 0 0 0</div> <div>D<sub>5</sub> D<sub>4</sub> D<sub>3</sub> D<sub>2</sub> D<sub>1</sub></div>

### <MULTIPLICATION>, <QUANTITY/FOR>

Description		Choice	Program code
Disable operation in RF/REG– mode.	a	No = 0 Yes = 1	<div>□</div> <div>(a+b) D<sub>9</sub></div>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Always “00”			<div>0 0</div> <div>D<sub>8</sub> D<sub>7</sub></div>
Multiplication procedure: (<X> only) ① Quantity x Amount, ② Amount x Quantity		① = 0 ② = 1	<div>□</div> <div>D<sub>6</sub></div>
Rounding: Round off = 0, cut off = 1, round up = 2		Significant number	<div>□</div> <div>D<sub>5</sub></div>
Always “0000”			<div>0 0 0 0</div> <div>D<sub>4</sub> D<sub>3</sub> D<sub>2</sub> D<sub>1</sub></div>

### <AGE VERIFICATION>

Description		Choice	Program code
Print when this key is registered.		Yes = 0 No = 1	<div>□</div> <div>D<sub>10</sub></div>
Disable operation in RF/REG– mode.	a	No = 0 Yes = 1	<div>□</div> <div>(a+b) D<sub>9</sub></div>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Always “00”			<div>0 0</div> <div>D<sub>8</sub> D<sub>7</sub></div>
Always “000000”			<div>0 0 0 0 0 0</div> <div>D<sub>6</sub> D<sub>5</sub> D<sub>4</sub> D<sub>3</sub> D<sub>2</sub> D<sub>1</sub></div>

# <CANCEL>

Description		Choice	Program code
Disable operation in RF/REG– mode.	a	No = 0 Yes = 1	<div></div> (a+b) D <sub>9</sub>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Always “0”			<div>0</div> D <sub>8</sub>
Always “000000”			<div>000000</div> D <sub>7</sub> D <sub>6</sub> D <sub>5</sub> D <sub>4</sub> D <sub>3</sub> D <sub>2</sub>
Always “0”			<div>0</div> D <sub>1</sub>

<TEXT RECALL>, <REFUND>, <NO SALE>, <VAT>, <PLU>, <PRICE>, <NEW CHECK>, <NEW/OLD CHECK>, <OLD CHECK>, <ADD CHECK>, <DATE/TIME>, <OBR>, <MENU SHIFT>, <SIGN OFF>, <DEPT SHIFT/DEPT NO>

Description		Choice	Program code
Disable operation in RF/REG– mode.	a	No = 0 Yes = 1	<div></div> (a+b) D <sub>9</sub>
Disable operation in REG mode.	b	No = 0 Yes = 4	
Always “00”			<div>00</div> D <sub>8</sub> D <sub>7</sub>
Always “000000”			<div>000000</div> D <sub>6</sub> D <sub>5</sub> D <sub>4</sub> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

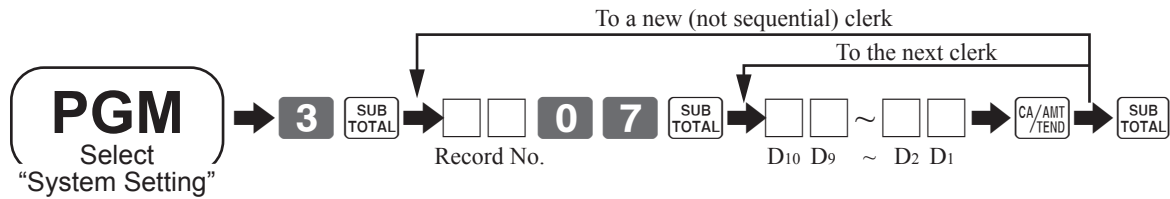
# Key function/machine feature (P3)

## Clerk program

### Secret number, check number programming

Refer to page 8 to enter the program mode.

#### Programming procedure

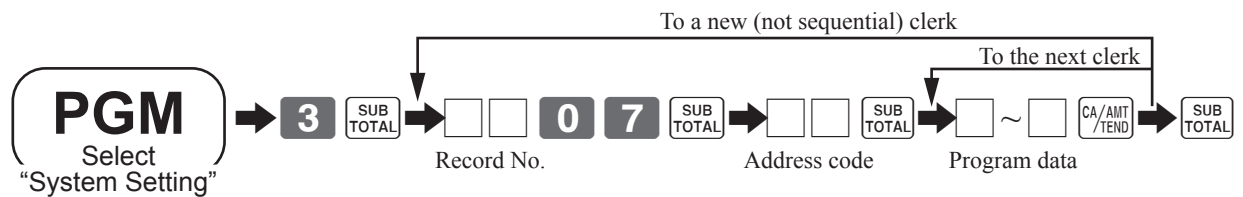


#### Data

Description	Choice	Program code
Check number for clerk interrupt	Significant numbers	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> D <sub>10</sub> D <sub>9</sub> D <sub>8</sub> D <sub>7</sub> D <sub>6</sub> D <sub>5</sub>
Clerk secret number	Significant numbers	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> D <sub>4</sub> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

## Clerk other programming

#### Programming procedure (individual)



#### Program data

##### Address code 67 (training)

Description	Choice	Program code
Training clerk	No = 0 Yes = 1	<input type="text"/> D <sub>6</sub>
Always "000"		<input type="text"/> <input type="text"/> <input type="text"/> D <sub>5</sub> D <sub>4</sub> D <sub>3</sub>
Always "00"		<input type="text"/> <input type="text"/> D <sub>2</sub> D <sub>1</sub>

##### Address code 68 (Commission rate)

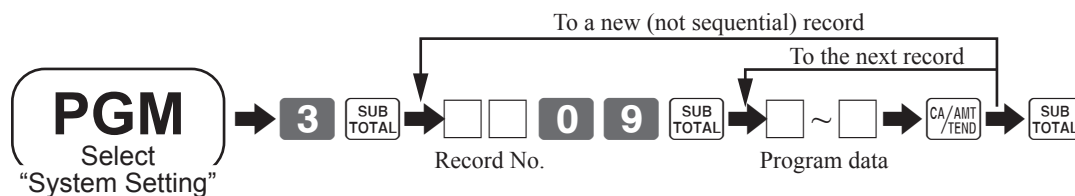
Description	Choice	Program code
Commission rate 1 (integer: 00~99)	Significant numbers	<input type="text"/> <input type="text"/> D <sub>8</sub> D <sub>7</sub>
Commission rate 1 (decimal: 00~99)	Significant numbers	<input type="text"/> <input type="text"/> D <sub>6</sub> D <sub>5</sub>
Commission rate 2 (integer: 00~99)	Significant numbers	<input type="text"/> <input type="text"/> D <sub>4</sub> D <sub>3</sub>
Commission rate 2 (decimal: 00~99)	Significant numbers	<input type="text"/> <input type="text"/> D <sub>2</sub> D <sub>1</sub>

## Other programs

### Time range programming

Refer to page 8 to enter the program mode.

#### Programming procedure



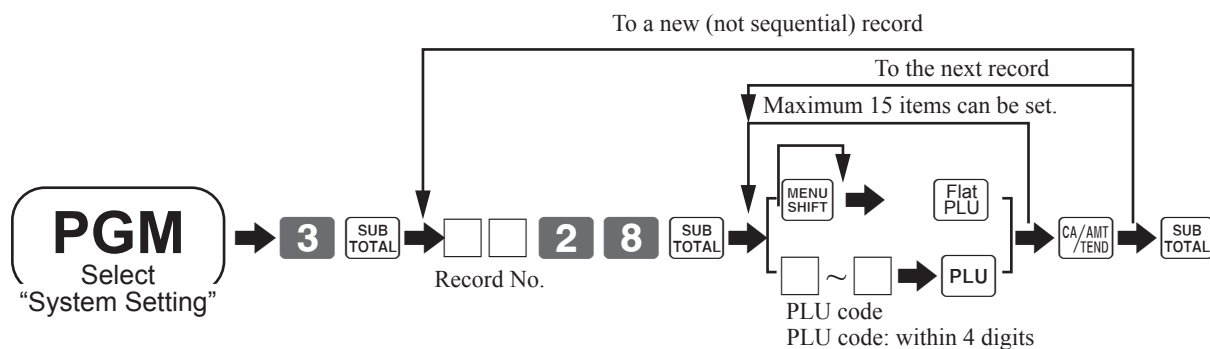
#### Program data

Description	Choice	Program code
Start time (hour: 00~23)	Significant numbers	<input type="text"/> <input type="text"/> D <sub>8</sub> D <sub>7</sub>
Start time (minute: 00~59)	Significant numbers	<input type="text"/> <input type="text"/> D <sub>6</sub> D <sub>5</sub>
End time (hour: 00~23)	Significant numbers	<input type="text"/> <input type="text"/> D <sub>4</sub> D <sub>3</sub>
End time (minute: 00~59)	Significant numbers	<input type="text"/> <input type="text"/> D <sub>2</sub> D <sub>1</sub>

### Set menu programming

Refer to page 8 to enter the program mode.

#### Programming procedure

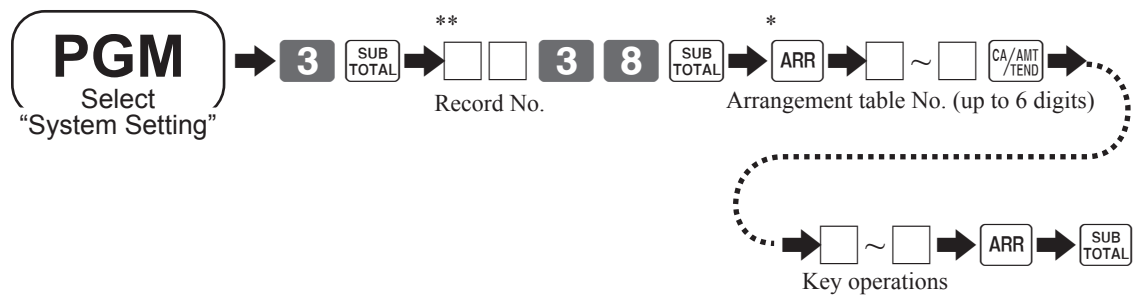


# Key function/machine feature (P3)

## Arrangement programming

Refer to page 8 to enter the program mode.

### Programming procedure



\* The same **ARR** should be pressed.

\*\* Vacant record search: If you want to set an arrangement program to a new record, "vacant record search" is possible.

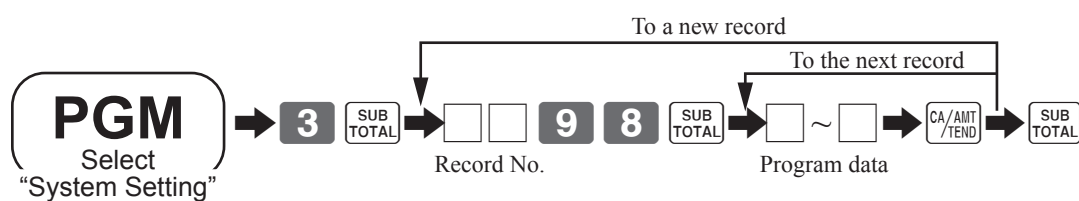
(Enter **0 0 0 0** instead of entering a record No.)



## I/O parameter table programming

Refer to page 8 to enter the program mode.

### Programming procedure



**Note:** Please perform the following procedure after this program.

1. Power off the register, and connect all peripheral devices to COM ports.
2. Power on all peripheral devices.
3. Flag clear the register.

### Program data (Address 01: for COM 1 port)

Description	Choice	Program code
Connected device: PC/Register = 00, Scanner = 20	Significant numbers	<div>□ □</div> <div>D<sub>4</sub> D<sub>3</sub></div>
Always "00"		<div>0 0</div> <div>D<sub>2</sub> D<sub>1</sub></div>

### Program data (Address 02: for COM 2 port)

Description	Choice	Program code
Connected device: PC/Register = 00, Scanner = 20	Significant numbers	<div>□ □</div> <div>D<sub>4</sub> D<sub>3</sub></div>
Always "00"		<div>0 0</div> <div>D<sub>2</sub> D<sub>1</sub></div>

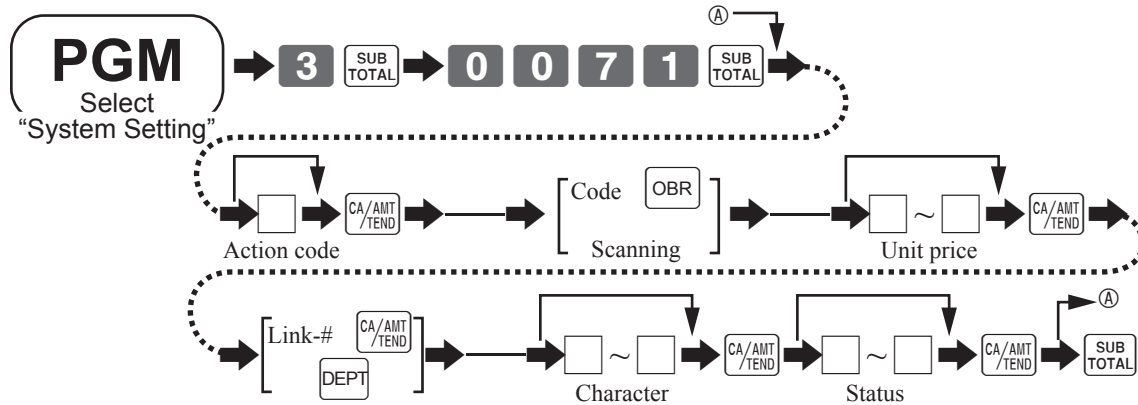
# Key function/machine feature (P3)

## Scanning PLU maintenance programming

## Scanning PLU direct maintenance programming

Refer to page 8 to enter the program mode.

### Programming procedure



### Program data

#### Action code

Description	Choice	Program code
Action code: Addition = 0, Modification = 1	Significant number	<input type="text"/> D <sub>1</sub>

#### Link-#

Description	Choice	Program code
Link group record number: (00~50)	Significant numbers	<input type="text"/> <input type="text"/> D <sub>6</sub> D <sub>5</sub>
Always "0"		<input type="text"/> <b>0</b> D <sub>4</sub>
Link department record number: (00~200)	Significant numbers	<input type="text"/> <input type="text"/> <input type="text"/> D <sub>3</sub> D <sub>2</sub> D <sub>1</sub>

#### Status

Description	Choice	Program code
Taxable status: See the status table of the batch feature programming section.		<input type="text"/> <input type="text"/> D <sub>6</sub> D <sub>5</sub>
Prepared tax status (Canadian tax)	Yes = 0 No = 4	<input type="text"/> D <sub>4</sub>
Always "0"		<input type="text"/> <b>0</b> D <sub>3</sub>
Enable 0 unit price.	a No = 0 Yes = 1	<input type="text"/> (a+b+c) D <sub>2</sub>
Enable negative price.	b No = 0 Yes = 2	
Hash	c No = 0 Yes = 4	
Multiplication registration is enable.	No = 0 Yes = 2	<input type="text"/> D <sub>1</sub>



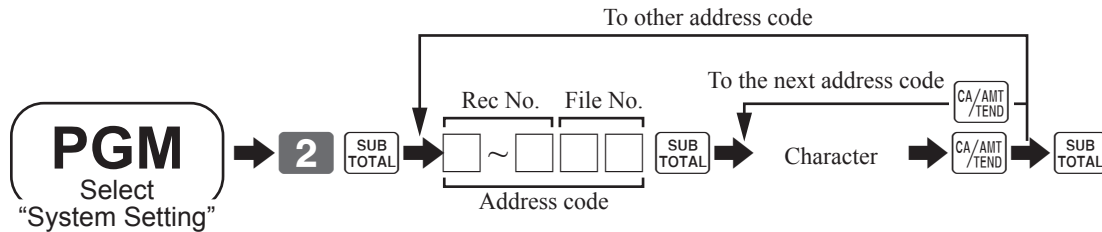
## Character programming (P2)

### Character (Program 2)

#### Programming descriptors

#### Programming procedure

Refer to page 8 to enter the program mode.



#### Programming data

**Fixed totalizer** (up to 12 characters)

Address code	Contents	Initial character
0101	Gross sales total	GROSS
0201	Net sales total	NET
0301	Cash in drawer	CAID
0401	Charge in drawer	CHID
0501	Check in drawer	CKID
0601	Credit 1 in drawer	CRID(1)
0701	Credit 2 in drawer	CRID(2)
0801	Credit 3 in drawer	CRID(3)
0901	Credit 4 in drawer	CRID(4)
1001	Cash in drawer *	CAID2
1101	Charge in drawer *	CHID2
1201	Check in drawer *	CKID2
1301	Credit 1 in drawer *	CRID2(1)
1401	Credit 2 in drawer *	CRID2(2)
1501	Credit 3 in drawer *	CRID2(3)
1601	Credit 4 in drawer *	CRID2(4)
1701	Refund mode total	RF
1801	Customer count	CUST
1901	Average sales per customer	AVRG
2001	Clerk commission 1 total	C-1
2101	Clerk commission 2 total	C-2
2201	Foreign currency cash in drawer 1	CECA1
2301	Foreign currency check in drawer 1	CECK1
2401	Foreign currency cash in drawer 2	CECA2
2501	Foreign currency check in drawer 2	CECK2
2601	Reduction	DC
2701	Coupon	COUPON
2801	Item return	REF
2901	Rounding 2 *	ROUND
3001	Rounding 1	ROUND
3101	Cancellation	CANCEL
3201	Money declaration	DECLA
3301	Taxable amount 1	TA1
3401	Tax 1	TX1
3501	Taxable amount 2	TA2
3601	Tax 2	TX2
3701	Taxable amount 3	TA3
3801	Tax 3	TX3
3901	Taxable amount 4	TA4
4001	Tax 4	TX4
4101	Nontaxable amount	NON TAX

\* Totalizers for sub currency

**Group character**

Up to 12 characters

Address code	Contents	Initial character
0106	Group 01	GROUP01
0206	Group 02	GROUP02
0306	Group 03	GROUP03
:		
5006	Group 50	GROUP50

**Clerk character**

Up to 12 characters

Address code	Contents	Initial character
0107	Clerk 01	C01
0207	Clerk 02	C02
0307	Clerk 03	C03
:		
5007	Clerk 50	C50

**Grand total character**

Up to 12 characters

Address code	Contents	Initial character
0120	GT1	GT
0220		
0320		
0420	GT4	LAST GT

# Character programming (P2)

## Special character

Address code	Contents	Initial character
0123	main currency symbol (2), @ (2), No. (2), split pricing (2), not used (1) training filler (1), training symbol (1), not used (1), sub currency symbol (2)	U.S. \$ @No/**
		Others . . @No/** €
0223	No. of item sold (2), No. of customer (2), not used (2), not used (2), not used (2), multiplication display (2)	U.S. NoCT@ LB *QT
		Others NoCT @LB *QT
0323	multiplication (6) check in use (6)	U.S. BUSY
		Others X BUSY
0423	taxable symbol 1 (3 each) for tax 1, tax 2, tax 3, tax 4, not used	T1 T2 T3 T4 T5
0523	not used (16)	T6 T7 T8 T9 T10
0623	taxable symbol 3 (3 each) for tax 1/2, tax 1/3, tax 1/4, not used, tax 2/3	T12T13T14 T23
0723	taxable symbol 4 (3 each) for not used, not used, not used, nontax, all	
0823	foreign currency (2 each), character edit mode (INS/OVR) (4 each)	* * * *
0923	mode symbol 1 (4 each) REG, RF, REG-	REG RFR-
1023	mode symbol 2 (4) PGM, not used (12)	PmX Z XZ
1123	mode symbol 3 (4 each) training, not used, PGM read	TRG PGMX
1223	decimal: amount/q'ty, separator (main/sub) (1 each), not used (3), square (7)	. . . . . X
1323	A.M., P.M. (3 each), ST displayed on the dot display (2)	AM PM ST
14-1523	not used (16)	CONTINUED P
1623	display subtotal symbol (ST key) (16)	ST
1723	subtotal symbol (16)	ST
1823	total symbol (16)	TL
1923	change symbol (16)	CG
20-2223	not used (16)	
2323	break (16)	**BREAK END**
2423	check No. (10)	CHECK No.
2523	service total (16)	SRVC TL
2623	item discount total (16)	DISCOUNT
27-2823	not used (16)	
2923	report total symbol (12)	TL
30-3323	not used (16)	
3423	future order message (16)	**Future Order**
3523	declared amount (16)	DECLA
3623	entering child item in separate check or void item in previous item void operation	Sub item ?
37-4123	not used (16)	
4223	designating sub currency (16)	EURO money
4323	SD X/Z title header 01 (16)	RECORD
4423	SD X/Z title header 02 (16)	DESCRIPTOR
4523	SD X/Z title header 03 (16)	QUANTITY/No
4623	SD X/Z title header 04 (16)	QUANTITY
4723	SD X/Z title header 05 (16)	No
4823	SD X/Z title header 06 (16)	AMOUNT
5423	SD X/Z title header 12 (16)	GROSS AMOUNT
5523	SD X/Z title header 13 (16)	NET No
5623	SD X/Z title header 14 (16)	NET AMOUNT
5723	SD X/Z title header 15 (16)	GROSS QUANTITY
6123	SD X/Z title header 19 (16)	GROSS QUANTITY
6923	SD X/Z title header 27 (16)	GROSS QUANTITY
7023	SD X/Z title header 28 (16)	GROSS QUANTITY
7123	SD X/Z title header 29 (16)	GROSS QUANTITY
7323	X/Z model name (16)	
7423	X/Z model name (16)	
7523	X/Z header 01 (16)	MODEL
7623	X/Z header 02 (16)	MACHINE
7723	X/Z header 03 (16)	REPORT
7823	X/Z header 04 (16)	FILE
7923	X/Z header 05 (16)	MODE
8023	X/Z header 06 (16)	Z COUNTER

8123	X/Z header 07 (16)	DATE
8223	X/Z header 08 (16)	TIME
8323	X mode display (16)	X NEXT RC
8423	Z mode display (16)	Z NEXT RC
8523	X2/Z2 mode display (16)	XZ NEXT RC
8623	X1 title (16)	PERIODIC READ 1
8723	Z1 title (16)	PERIODIC RESET 1
8823	X2 title (16)	PERIODIC READ 2
8923	Z2 title (16)	PERIODIC RESET 2
9023	Not used	LOW BATTERY
9123	EJ near end/end display (16)	*
9223	Invoice number print (16)	INVOICE No.
9323	Period title on SD EJ report (16)	SD
9523	Mode character (16)	PGM

## Character programming (P2)

### Message

Up to 24 characters

Address code	Contents	Initial character	Yours
0132	1st line of logo message	YOUR RECEIPT	
0232	2nd line of logo message	THANK YOU	
0332	3rd line of logo message	CALL AGAIN	
0432	4th line of logo message		
0532	1st line of commercial message		
0632	2nd line of commercial message		
0732	3rd line of commercial message		
0832	4th line of commercial message		
0932	1st line of bottom message		
1032	2nd line of bottom message		
1132	3rd line of bottom message		
1232	4th line of bottom message		
1332	1st line of bill top message		
1432	2nd line of bill top message		
1532	3rd line of bill top message		
1632	4th line of bill top message		
1732	1st line of bill copy message		
1832	2nd line of bill copy message		
1932	3rd line of bill copy message		
2032	4th line of bill copy message		
2132	1st line of bill bottom message		
2232	2nd line of bill bottom message		
2332	3rd line of bill bottom message		
2432	4th line of bill bottom message		
2532	Post receipt message	DUPLICATE RECEIPT	
2632	1st line of guest intermediate message		
2732	2nd line of guest intermediate message		
2832	3rd line of guest intermediate message		
2932	4th line of guest intermediate message		
3032	1st line of guest bottom message		
3132	2nd line of guest bottom message		
3232	3rd line of guest bottom message		
3332	4th line of guest bottom message		
3432	5th line of guest bottom message		
3532	6th line of guest bottom message		
3632	7th line of guest bottom message		
3732	8th line of guest bottom message		
3832	9th line of guest bottom message		
3932	10th line of guest bottom message		
4032	1st line of Australian GST MOF message	TAX INVOICE	
4132	2nd line of Australian GST MOF message	* INDICATES	
4232	3rd line of Australian GST MOF message	TAXABLE SUPPLY	



## Report header

Up to 12 characters

Address code	Contents	Initial character
0124	Fixed totalizer report	FIX
0224	Transaction key report	TRANS
0324	PLU report	PLU
0424	Department report	DEPT
0524	Group report	GROUP
0624	Cashier/clerk report	CASHIER
0724	Not used	
0824	Hourly sales report	HOURLY
0924	Monthly sales report	MONTHLY
1024	Not used	
1124	Not used	
1224	Open check report	OPEN CHK
1324	Scanning PLU	SCAN PLU
1424	Not used	
1524	Not used	
1624	Financial report	FLASH
1724	Not used	
1824	Not used	
1924	Not used	
2024	Not used	
2124	Not used	
2224	Not used	
2324	Inactive scanning PLU	NON ACTIVE
2424	Individual item	INDIVIDUAL
2524	Not used	
2624	Not used	
2724	Not used	
2824	Electronic journal	EJ
2924	Electronic journal clear	EJ Clear
3024	EJ in SD	EJ(SD)

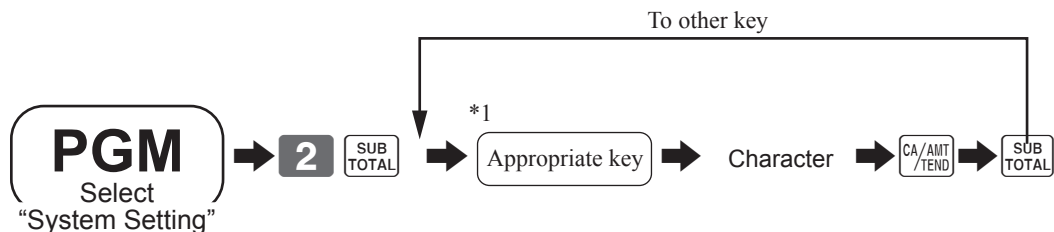
# Character programming (P2)

## Programming item/key descriptors

### Programming procedure

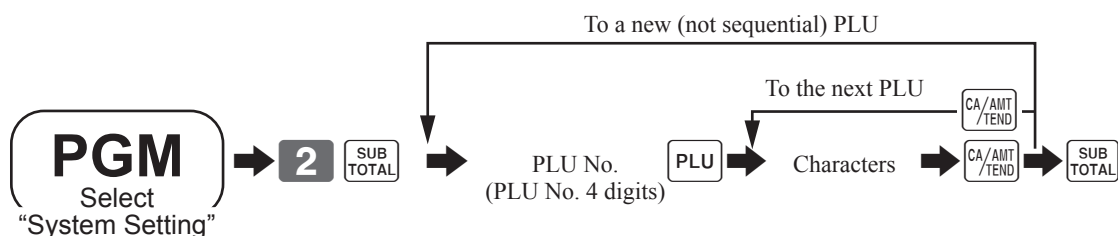
Refer to page 8 to enter the program mode.

#### Department key/transaction key



\*1 Appropriate key: In case of shifting department, press <DEPT SHIFT> key first.  
In case of shifting flat-PLU, press <MENU> key first.

#### PLU



## Programming data

### Department

up to 12 characters

Contents	Initial character
Department 001	DEPT001
Department 002	DEPT002
Department 003	DEPT003
:	
Department 200	DEPT200

### PLU/flat-PLU

up to 12 characters

PLU No.	Contents	Initial character
0001	PLU0001	PLU0001
0002	PLU0002	PLU0002
0003	PLU0003	PLU0003
:		
3000*	PLU3000	PLU3000

\*Maximum number of the PLU varies by the mode. 3000 for models SE-S400 and SE-C450, 7000 for models SE-S3000 and SE-C3500.

**Transaction key**

Up to 12 characters

Function	Code	Initial character	Function	Code	Initial character
Add check	094	ADD CHK	New/old check	093	NEW/OLD
Age verification	106	AGE	No sale	042	NS
Arrangement	044	ARG	Non-add	040	#
Cancel	236	CANCEL	Non-add/No sale	041	#/NS
Cash amount tendered	001	CASH	OBR	103	OBR
Charge	002	CHARGE	Old check	092	OLD CHK
Check tender	003	CHECK	Open	067	OPEN
Clerk number	072	CLK#	Open check	117	OPEN CHK
Coupon	023	COUPON	Paid out	021	PO
Credit	004	CREDIT	Plus (addition)	029	+
Currency exchange	045	CE	PLU	048	PLU#
Customer number	043	CT	Premium	030	%+
Date/Time	101	DATE/TIME	Price	049	PRC
Decimal point	098	.	Quantity/for	083	QT
Department	nn051	DEPTnn	Receipt	038	RCT
Dept No./Dept shift	152	SHIFT/No	Receipt on/off	076	RCT ON/OFF
Discount	028	%-	Received on account	020	RA
Error correct (cancel)	034	CORR	Refund	033	RF
Flat PLU	nnnn063	PLUnnnn	Sign off	150	SIGN-OFF
Help	141	HELP	Subtotal	075	SUBTOTAL
Lock out unused key	000		Tax program	151	TAX PGM
Manual tax	032	TAX	Tax status shift	057	T/S
Menu shift	064	MENU	Text recall	010	CHAR
Merchandise subtotal	080	MDST	Three zero	097	000
Minus	027	-	Tip	015	TIP
Multiplication/Date/Time	082	X	Two zero	096	00
New balance	006	NB	VAT	046	VAT
New check	091	NEW CHK	Void	035	VOID

# Character programming (P2)

## Issuing program reading report of program 2 mode

### Issuing procedure

Refer to page 8 to enter the program mode.



### Report sample

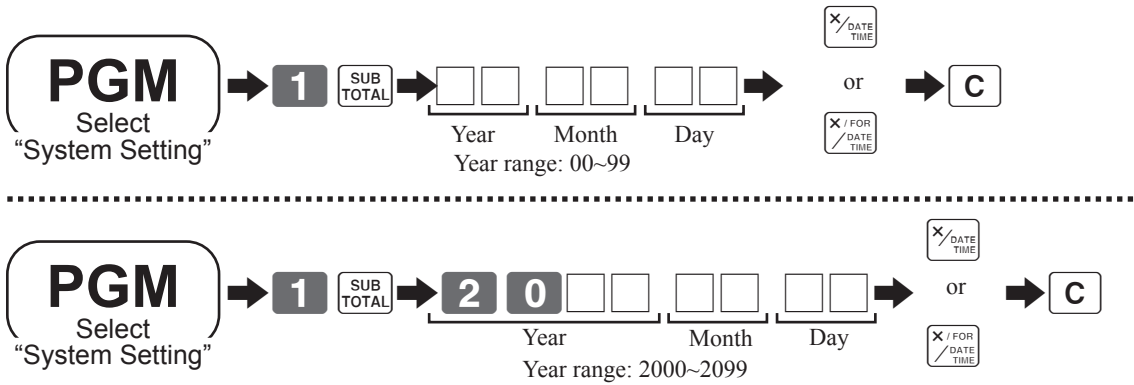
P02 .....	Program read symbol		
GROSS 0001-01		0001-32	
NET 0002-01		YOUR RECEIPT	Receipt message
CAID 0003-01	Fixed totalizer character	0002-32	
CATL 0004-01		THANK YOU	
		0001-39	Recall character
CHECK 0001-02		0002-39	
CHARGE2 0002-02	Transaction key character		
PD 0003-02			
DEPT001 0001-05		MC#01 0001-91	Machine number
DEPT002 0002-05	Department character		
DEPT003 0003-05			
GROUP01 0001-06			
GROUP02 0002-06	Group character		
GROUP03 0003-06			
C01 0001-07			
C02 0002-07	Clerk character		
C03 0003-07			
GT 0001-20			
	GT character		
· @No/** 0001-23			
NoCT@ LB *QT 0002-23	Special character		
X BUSY 0003-23			
FIX 0001-24			
TRANS 0002-24	Report header character		
PLU 0003-24			
DAILY X 0001-29	Batch X/Z character		
PERIODIC 1X 0002-29			
PERIODIC 2X 0003-29			

# Unit price/rate (Program 1)

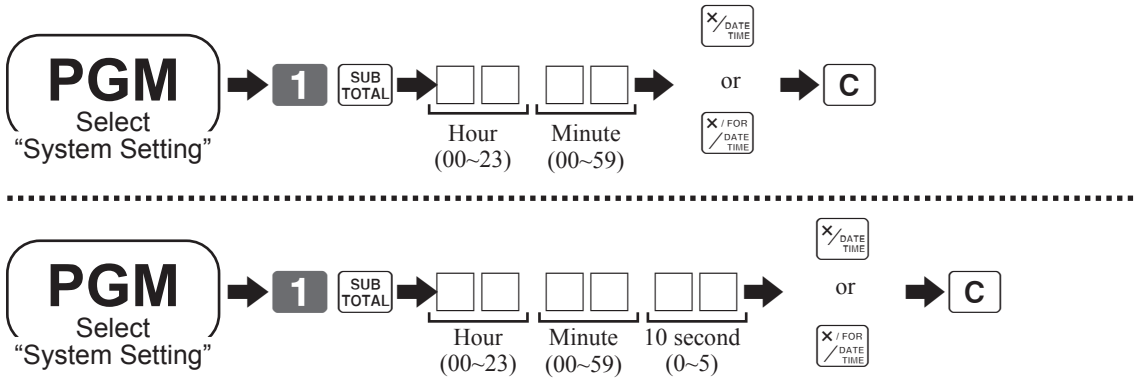
## Date/time setting

Refer to page 8 to enter the program mode.

### Date setting



### Time setting



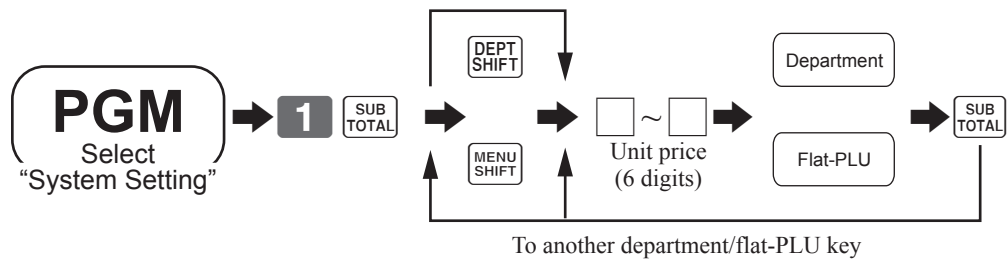
# Unit price/rate programming (P1)

## Unit price program

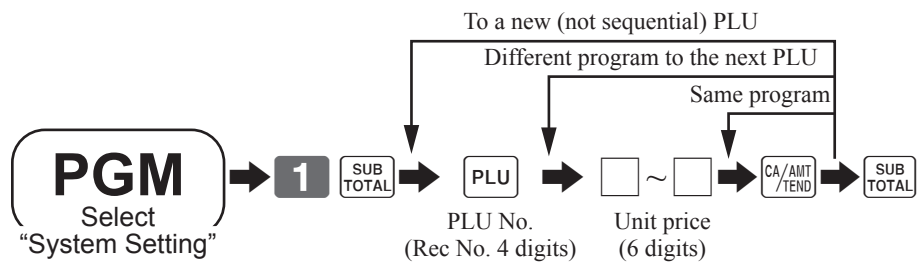
### Programming procedure

Refer to page 8 to enter the program mode.

#### Programming the unit price (to department/flat-PLU key)



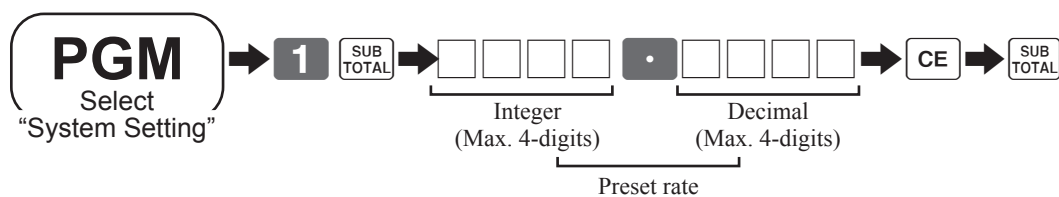
#### Programming the unit price (to PLU)



## Rate program

Refer to page 8 to enter the program mode.

<CURRENCY EXCHANGE>

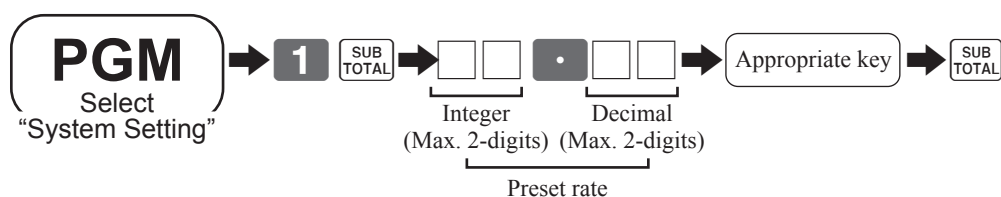


Example:

\$1.00 = ¥97.84 ⇨  
¥100 = \$1.0221 ⇨

0 9 7 8 4  
1 0 2 2 1

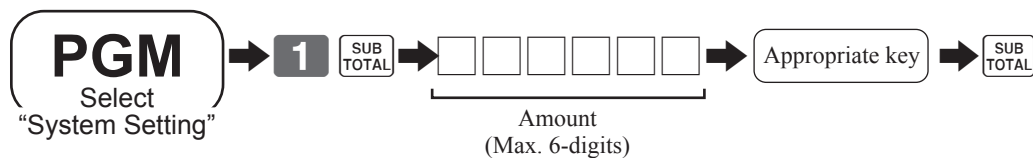
<PREMIUM (%+)>, <DISCOUNT (%-)>



## Amount program

Refer to page 8 to enter the program mode.

<PLUS (+)>, <MINUS (-)>, <COUPON>

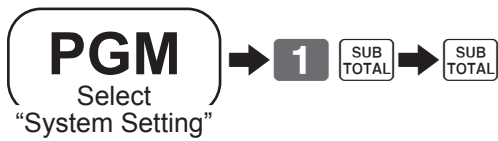


# Unit price/rate programming (P1)

## Issuing program reading report of program 1 mode

### Issuing procedure

Refer to page 8 to enter the program mode.



### Report sample

P01 .....		Program read symbol
-	@1.00	Transaction key unit price or rate
%-	10%	
DEPT001	0001-05	
	@1.00	
DEPT002	0002-05	Department descriptor/rec-#/file-#
	@2.00	Unit price



# Program reading (Program 6)

## Issuing program reading report

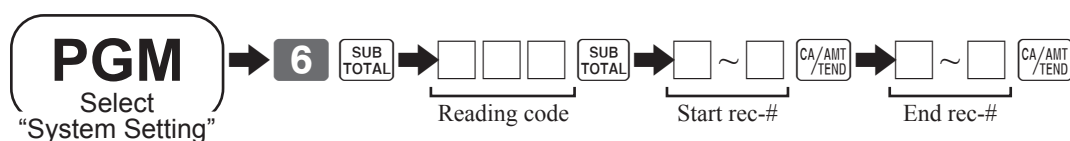
### Issuing procedure

Refer to page 8 to enter the program mode.

#### Reading by file



#### Reading by range



### Report code

File name	Report code			Note
	Unit price	Character	Status, etc.	
Fixed totalizer	-----	201	-----	
Transaction key	102	202	302	
PLU	104	204	304	By range reading
Department	105	205	305	By range reading
Group	-----	206	-----	
Clerk	-----	207	307	By range reading
Hourly sales	-----	-----	309	
Scanning PLU	-----	-----	316	
Grand total	-----	220	-----	
General control	-----	-----	322	
Special character	-----	223	-----	
Report header	-----	224	-----	
Tax table	-----	-----	325	
Set menu table	-----	-----	328	
Batch X/Z	-----	229	329	
Clerk detail link	-----	-----	330	
Receipt message	-----	232	-----	
Arrangement table	-----	-----	338	
Character recall	-----	239		
Scheduler	-----	-----	362	
I/O parameter table	-----	-----	398	

# Program reading (P6)

## Report sample

### Fixed totalizer

P02 .....	Program 2 mode symbol
GROSS	0001-01
NET	0002-01
CAID	0003-01
CHTL	0004-01

### Transaction key

#### Program 1

P01 .....	Program 1 mode symbol
%+	12.43%
%-	10.24%

#### Program 2

P02 .....	Program 2 mode symbol
CHECK	0001-02
CREDIT	0002-02
PD	0003-02
CASH	0004-02

#### Program 3

P03 .....	Program 3 mode symbol
CHECK	0001-02
	000000000000
CREDIT2	0002-02
	000002000002

## PLU

### Program 1

P01 .....	Program 1 mode symbol
#0001 - #0010	PLU range
PLU0001 0001-04	PLU descriptor/rec-#/file-#
@10.00	Unit price
PLU0002 0002-04	
@30.00	

### Program 2

P02 .....	Program 2 mode symbol
#0001 - #0010	PLU range
PLU0001 0001-04	PLU descriptor/rec-#/file-#
PLU0002 0002-04	
PLU0003 0003-04	

### Program 3

P03 .....	Program 3 mode symbol
#0001 - #0010	PLU range
PLU0001 0001-04	PLU descriptor/rec-#/file-#
00000000000000	Address code 01~10, 18 program
11-66 00000000	Address code 11 program
12-66 #000000	Address code 12 program
13-66 <- 0001-28	Address code 13 program
14-66 12.345	Address code 14 program
15-66 @1234.56	Address code 17 program
PLU0002 0002-04	

# Program reading (P6)

## Department Program 1

P01 .....	Program 1 mode symbol
#0001 - #0010	Department range
DEPT001 0001-05	Department descriptor/rec-#/file-#
@ 10. 00	Unit price
DEPT002 0002-05	
@30. 00	

## Program 2

P02 .....	Program 2 mode symbol
#0001 - #0010	Department range
DEPT001 0001-05	Department descriptor/rec-#/file-#
DEPT002 0002-05	
DEPT003 0003-05	

## Program 3

P03.....	Program 3 mode symbol
#0001 - #0010	Department range
DEPT001 0001-05	Department descriptor/rec-#/file-#
00000000000000	Address code 01~10, 18 program
11-66 00000000	Address code 11 program
15-66 @1234. 56	Address code 15 program
DEPT002 0002-05	

## Group

P02.....	Program 2 mode symbol
GROUP01 0001-06	Group descriptor/rec-#/file-#
GROUP02 0002-06	
GROUP03 0003-06	

Clerk

Program 2

P02.....	Program 2 mode symbol
#0001 - #0010	Clerk range
C01	0001-07
C02	0002-07
C03	0003-07

Program 3

P03.....	Program 3 mode symbol
#0001 - #0010	Clerk range
C01	0001-07
	000001000001
67	0000000000
68	00000000
C02	0002-07

Hourly sales

P03 .....	Program 3 mode symbol
0001-09	00:00 -> 01:00
0002-09	01:00 -> 02:00
0003-09	02:00 -> 03:00

Scanning PLU

P03 .....	Program 3 mode symbol
SCAN-PLU0001	Scanning PLU descriptor
#49401004	Scanning PLU code
	@10.00
000000 00000001	Status/link dept

# Program reading (P6)

## Grand total

P02 .....	Program 2 mode symbol	
GT	0001-20	Grand total descriptor/rec-#/file-#
	0002-20	
	0003-20	
LAST GT	0004-20	

## General control

P03 .....	Program 3 mode symbol	
0001-22	2200000000	Rec-#/file-#/program data
0002-22	0000000000	
0003-22	0000000000	

## Special character

P02 .....	Program 2 mode symbol	
· @No/** -	0001-23	Special character/rec-#/file-#
NoCT @LB *QT	0002-23	
X BUSY	0003-23	

## Report header

P02	.....	Program 2 mode symbol
FIX	0001-24	Report header character/rec-#/file-#
TRANS	0002-24	
PLU	0003-24	

## Tax table

P03 .....	Program 3 mode symbol
0001-25	Rec-#/file-#
TX1	12.3456% Tax table program data
TX1	0000
TX1	5003

## Set menu table

P03 .....	Program 3 mode symbol
0001-28	Rec-#/file-#
PLU0001	0001-04
PLU0002	0002-04

## Batch X/Z

### Program 2

P02 .....	Program 2 mode symbol
DAILY X	0001-29

### Program 3

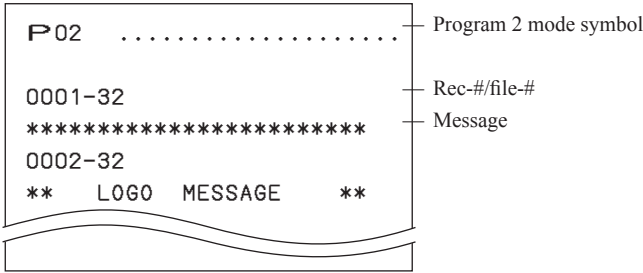
P03 .....	Program 3 mode symbol
DAILY X	0001-29
60	15-11-12-17-00
	00-00-00-00-00

## Clerk detail link

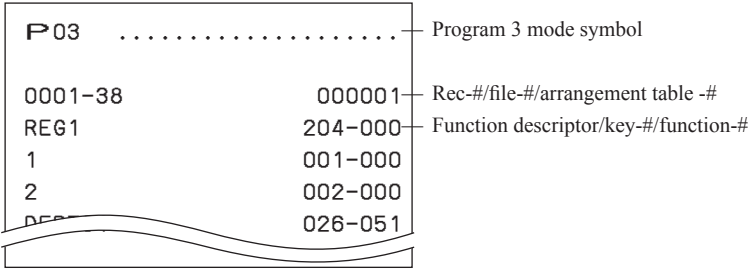
P03 .....	Program 3 mode symbol
0001-30	Rec-#/file-#
NET	0002-01

# Program reading (P6)

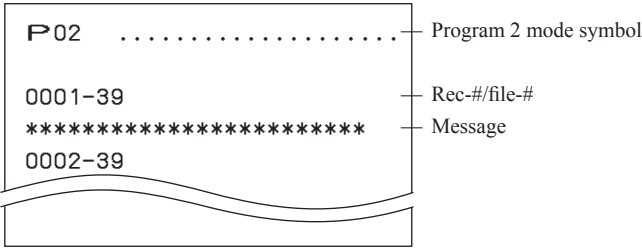
## Receipt message



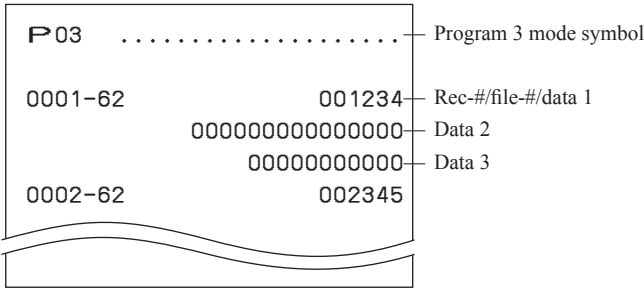
## Arrangement table



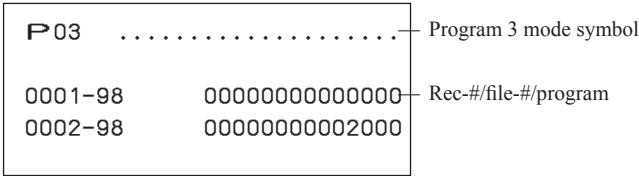
## Character recall



## Scheduler



## I/O parameter table







# Appendix

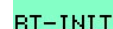
## Application IPL procedure

### Preparation

Prepare an SD card in which application module is contained.

### Replacement of application software

- 1 Disconnect the power plug.
- 2 Turn the mode key to “PGM” then, while pressing down the  key, connect the power plug.  
For one printer models, insert the power plug while pressing  key down. (The same applies here-after.)
- 3 Release the key when the terminal makes a pip sound and the following screen is indicated.




BT-INIT

- 4 Insert the SD card into the slot that is located on the left side of the cash register.
- 5 The following operation starts the IPL.



4 4 4 4 9 9 9 9   
3 0 



APLI IPL - SD  
Erasing XX YY

After starting the IPL, the screen changes as follows.

Value YY does not count up or down.

Value YY varies by the application.

XX value counts up from 1.

When value XX reaches to the same value as YY, display changes as shown below.


- 6 Display changes as shown below.

Value YY does not count up or down.

Value YY varies by the application.


XX value counts up from 1.

When value XX reaches to the same value as YY, display changes as shown below.



APLI IPL - SD  
Writing XX YY

- 7 The following initial screen shows up after the IPL.



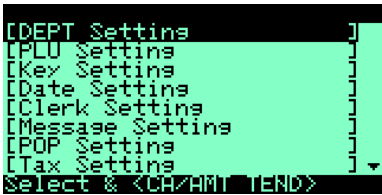
INIT  
0000000000

- 8 Enter the INIT code and press  key. (Wait for a while)

\*Refer to [Initialization] for INIT code.

# Appendix

9 The setting screen will show up and a receipt is issued.



INIT 06-03-2013 20:07

000001

INIT

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0291-0294-0591-0594

XXXXXX

XXXXXX

INIT. : 000000000xxxxx

\*1

\*2

\*3

\*3\*4

\*5

- \*1 The date and the time may be incorrect.
- \*2 Consecutive number is printed.
- \*3 Version numbers of the loaded software is printed.
- \*4 Locale data.
- \*5 INIT code is printed.

## INIT 2 operation

1. Power off the register.
2. Insert the PGM key in the mode switch.
3. Press down and hold **FEED** (SE-S400/SE-C450) **RECEIPT FEED** (SE-S3000/SE-C3500), and turn the mode switch to PGM mode.
4. The display shows INIT (SE-S400/SE-C450)/FC (SE-S3000/SE-C3500) on alpha-display, then release **FEED** (SE-S400/SE-C450) **RECEIPT FEED** (SE-S3000/SE-C3500).
5. Enter **8 8 8 8 8 8 8 8 8 8** and press “015” key of configuration of the physical key layout.(see page 14)