SHARP®

POS TERMINAL

MODEL

UP-3500

INSTRUCTION MANUAL

FOR YOUR RECORDS

Please record below the model number and serial number for easy reference in case of loss or theft. These numbers are located on the bottom of the unit. Space is provided for further pertinent data.

Model Number _____

Serial Number _____

Date of Purchase _____

Place of Purchase _____

INTRODUCTION

Thank you very much for your purchase of the SHARP POS Terminal Model **UP-3500**. Please read this Manual carefully before operating your machine in order to gain full understanding of functions and features.

Please keep this manual for future reference. It will help you if you encounter operational problems.

IMPORTANT

- **Install this terminal in a location that is not subject to direct radiation, unusual temperature changes, and high humidity or exposure to water or other liquids.**
  Installation in such locations could cause damage to the cabinet and the electronic components.
- **Do not drop this terminal nor subject it to any strong shock.**
  This may cause damage to the terminal.
- **Do not apply excessive pressure to the display. Do not use a sharp-pointed object on the display.**
  This may cause damage to the LCD display.
- **When cleaning this terminal, use a dry, soft cloth. Never use solvents, such as benzine or thinner.**
  The use of such chemicals will lead to discoloration or deterioration of the cabinet.
- **The terminal plugs into any standard wall outlet (120V ± 10% AC) with a dedicated earth-ground.**
  Other electrical devices on the same electrical circuit could cause the terminal to malfunction.
- **If the terminal malfunctions, call your local authorized dealer for service. Do not try to repair the terminal yourself.**
- **Be sure to use the supplied AC adaptor.**
- **For a complete electrical disconnection, remove the AC power cord from the wall outlet.**

PRECAUTION

This POS terminal has a built-in memory protection circuit which is operated by a rechargeable battery pack.

Please note that all batteries will, in time, dissipate their charge even if not used. Therefore to insure an adequate initial charge in the protection circuit and to prevent any possible loss of memory upon installation, it is recommended that each unit be allowed to be recharged for a period of 24 to 48 hours prior to use by the customer.

After installation, the battery pack is charged when the machine is plugged in. This recharging precaution can prevent unnecessary initial service calls.

<div style="border:1px solid black; padding:10px;">

BATTERY DISPOSAL

Contains Nickel Metal Hydride Battery. Must be Disposed of Properly.

Contact Local Environmental Officials for Disposal Instructions.

</div>

<div style="border:1px solid black; padding:10px;">

This product utilizes tin-lead solder, and fluorescent lamp containing a small amount of mercury.
Disposal of these materials may be regulated due to environmental considerations.
For disposal or recycling information, please contact your local authorities, the Electronics Industries Alliance: www.eiae.org, the lamp recycling organization: www. lamprecycle. org or Sharp at
1-800-BE-SHARP
(For U.S.A only)

</div>

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1 Part Names and Functions

This chapter describes the part names and functions of this POS terminal.

External View

■ Front view

Magnetic card reader

Operator display (touch panel)

Power indicator

■ Rear view

Side cover

AC adapter jack

Mode switch
(located at the bottom cabinet)
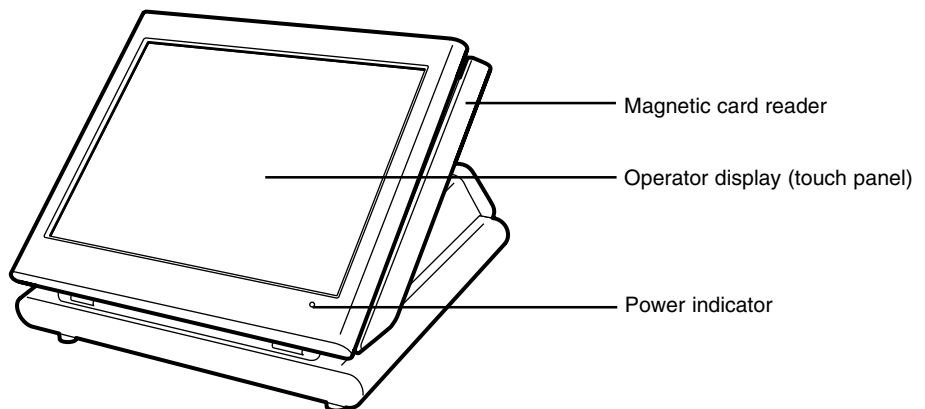
AC adapter
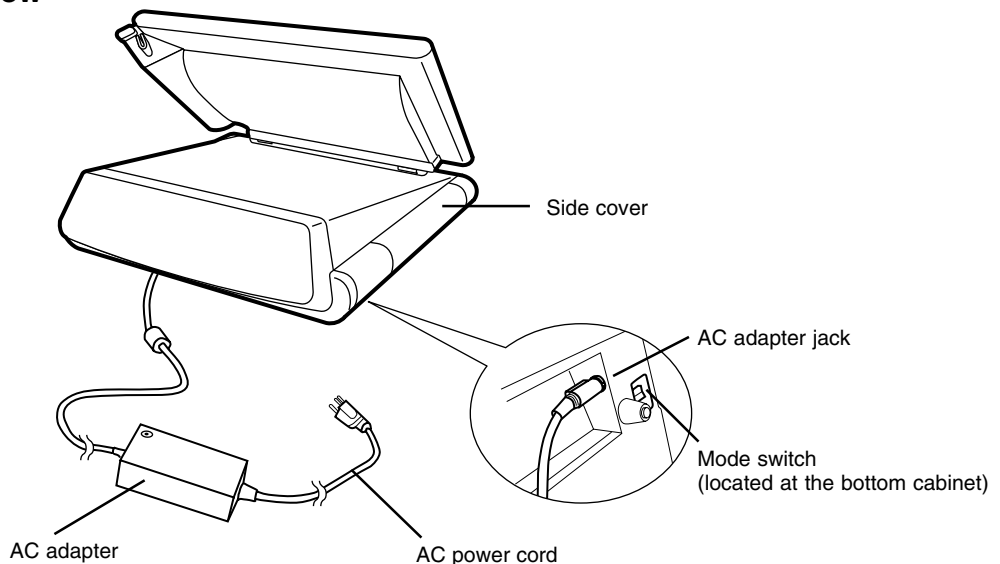
AC power cord

AC power cord

Plug the AC adapter connector into the AC adapter jack, then plug the AC power cord into the wall outlet that has a dedicated earth ground.

Mode switch

The switch has the position ON (I) and STANDBY (⏻).
Set the mode switch to the ON (I) position after the terminal has been plugged into the wall outlet.
The STANDBY (⏻) position locks all operations of the POS terminal. When you select this position, the screen will disappear.

Power indicator

When the POS terminal is plugged in, the power indicator at the lower right corner of the LCD panel will light up. The power indicator will remain on while the display's backlight is off.

Opening the side cover

While moving the release lever towards you, pull
the side cover and rotate the cover upward
as shown in the illustration at the right.

Side cover

① Release lever
(located at the bottom cabinet)
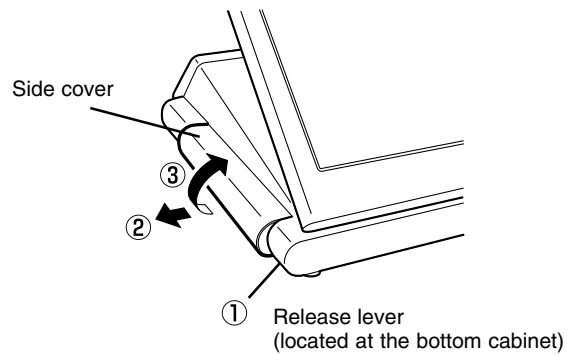
Terminal Connection/slot inside the side cover

RS232 port

SD card slot

RS-232C
CH5

RESET

RESET Switch
**DO NOT move the reset switch unless
instructed to do.**
Doing so may damage or delete the data.
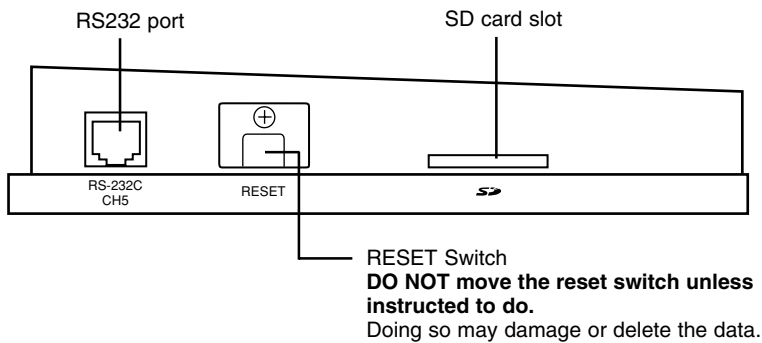
Note: The application software will determine the usage and availability of the external port.

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Displays

This POS terminal is equipped with a color LCD operator display.
The operator display is a touch panel.
Operations can be performed by touching the screen (that shows keys or items in the window) of the operator display.

■ Operator display (touch panel)

● Initial screen

Screen example (REG mode):
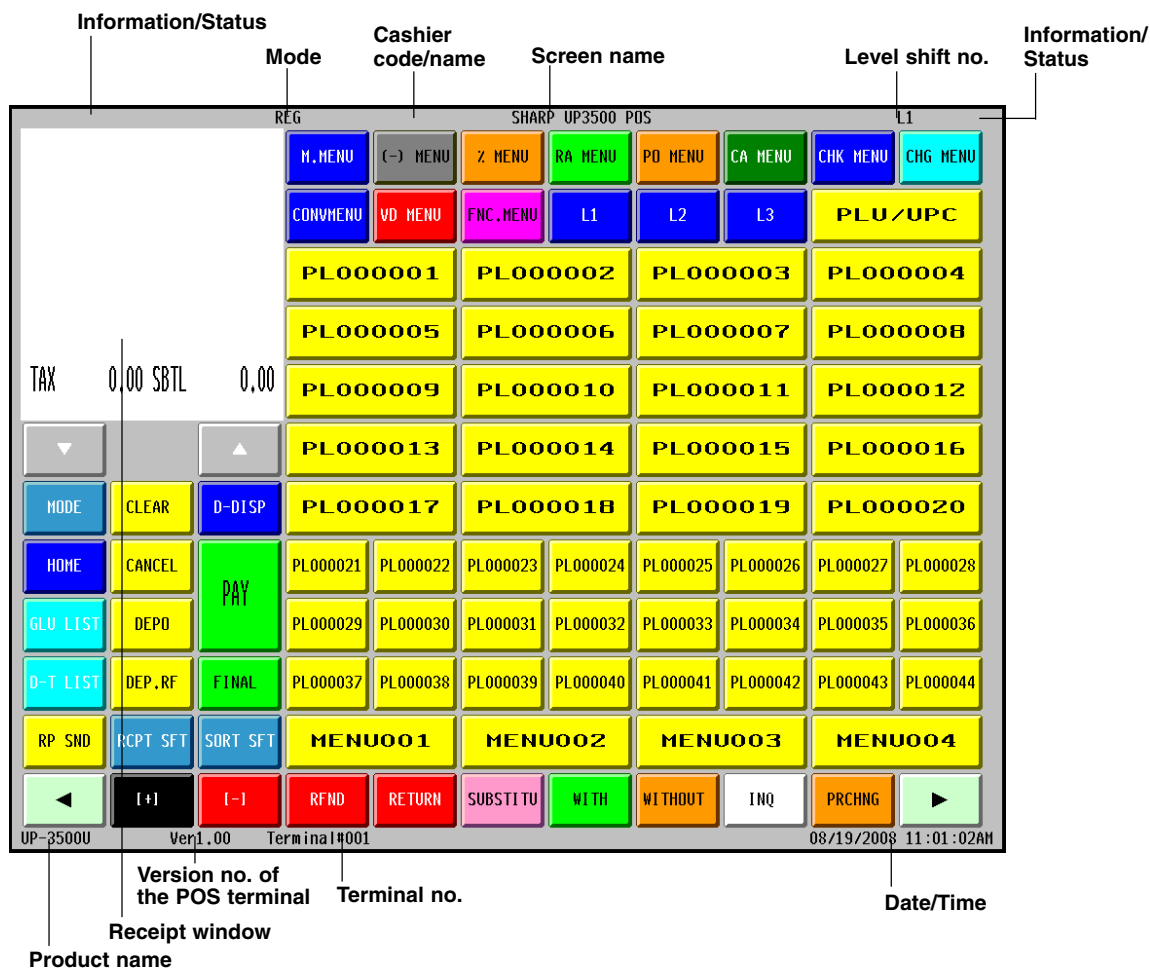
Information/Status:

M:	Received the electronic mail
L1 – L10:	Level shift no.
E1 – E9:	Eat in shift symbol
R:	Receipt switch off
r:	Receipt shift symbol
E:	Electronic journal memory is full. (Green → Yellow → Red)
T:	T-Log memory is full. (Green → Yellow → Red)

NOTE *The size of a display area depends on the layout of a touch-panel keyboard (ex. key size) or the function mode (ex. drive-thru function).*

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Ten key pad window:

The Ten key pad is used to enter various numerical data (e.g. cashier code, amounts, quantities).
When numeric entries are necessary (e.g. secret code is forced), the ten key pad pops up automatically.

Cashier code/cashier name
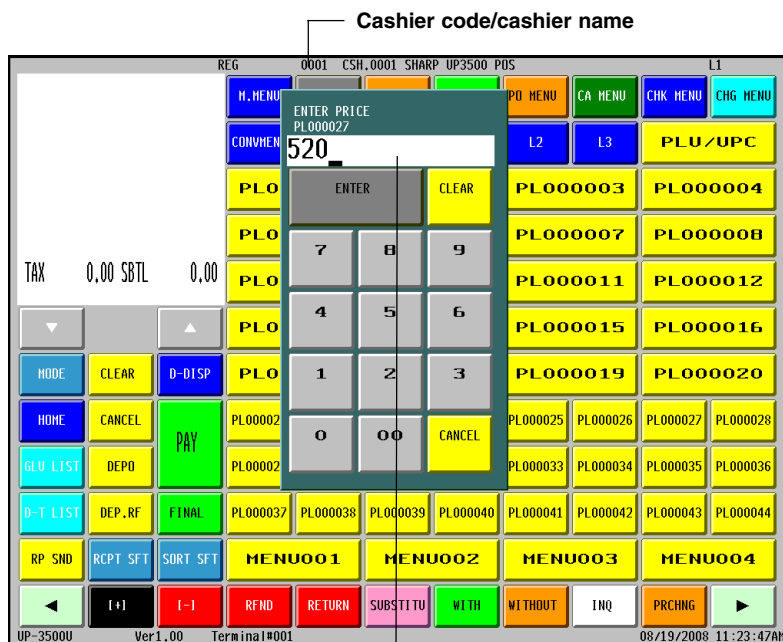
Numeric entry: The entry displays here.

• **Registration screen**

The registration screen consists of several sub-windows (Receipt/Menu/Category/Function/Ten key pad).
When the cashier is signed-on, a registration screen is displayed automatically.

Screen example:

Information/Status   Item key

Function bar window

Receipt window   **Menu key**

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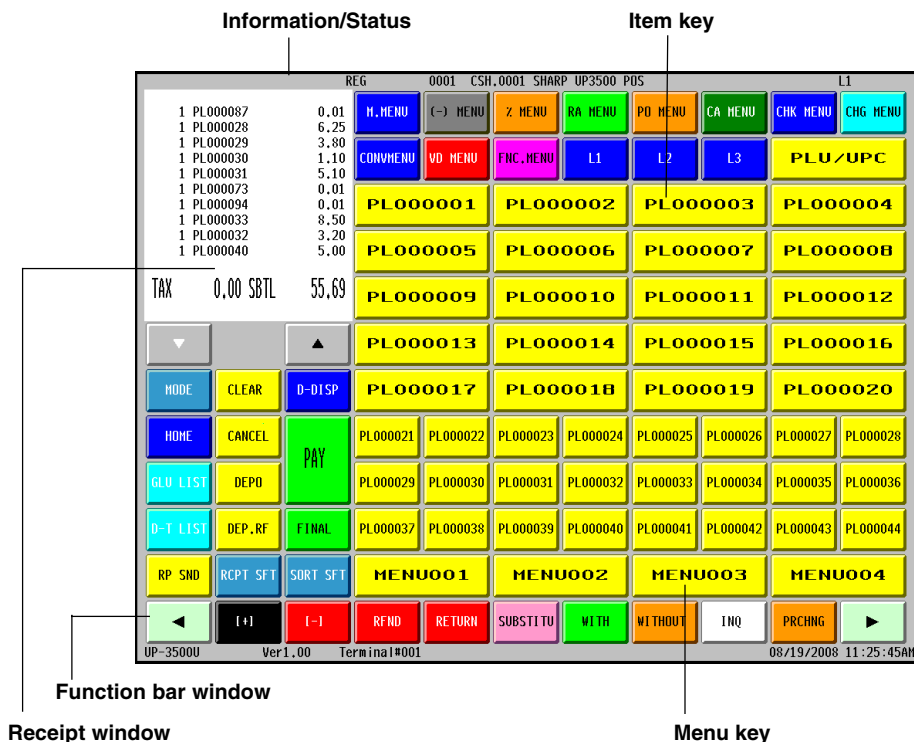
• Drive-thru screen

The drive-thru screen is used for the drive-thru function (after the drive-thru transaction or by touching the **[D-DISP]** key).

Screen example:

Receipt window

```
CAR#1-0000005          REG              DRIVE THROUGH                    L1
  CAR#1-0000001          CAR#1-0000002     CAR#1-0000003        CAR#1-0000004
   1 PL000041             1 PL000031        1 PL000038           1 PL000040
   1 PL000042             1 PL000071        1 PL000077           1 PL000076
   1 PL000043             1 PL000092        1 PL000099           1 PL000097
                          1 PL000032        1 PL000036           1 PL000041
                          1 PL000073        1 PL000076           1 PL000041
                          1 PL000092        1 PL000097           1 PL000041
                          1 PL000040        1 PL000033
                          1 PL000076        1 PL000071
                          1 PL000097        1 PL000092
                                            1 PL000037

  TAX   0.00 SBTL  18.00   TAX   0.00 SBTL  13.36   TAX   0.00 SBTL  16.36   TAX   0.00 SBTL  23.02

    ▼        ▲        ▼        ▲        ▼        ▲        ▼        ▲

  (31:31)              (30:13)            (29:09)            (28:24)
  TOTAL  5
```

Waiting time

MACRO1	MACRO2		N.C.2	WAIT
MODE	CLEAR	MACRO3	MACRO4	PBALZ	RECALL
HOME	CANCEL	AUTO001	AUTO002		ENTER

| ◀ | [+] | [−] | RFND | RETURN | SUBSTITU | WITH | WITHOUT | INQ | PRCHNG | ▶ |

```
UP-3500U        Ver1.00     Terminal#001                          08/19/2008 11:28:03AM
```

Touch the receipt window to select it, and touch again to release it.

• Character entry screen

The character entry screen is used when you need to enter text data.

Screen example:

```
                    REG     0001  CSH.0001 SHARP UP3500 POS FUNCTION MENU        L1

                                                              ▲

  FREE TEXT : TEXT01                                     ◀    ▼    ▶
  01 / 0001                                            INS   DEL   BKSPC

                                                      CANCEL  ENTER

   !    0    #    $    %    ^    &    *    (    )    _

   1    2    3    4    5    6    7    8    9    0    _

   q    w    e    r    t    y    u    i    o    p    \

   a    s    d    f    g    h    j    k    l    :    '

  LIST  z    x    c    v    b    n    m    ,    .    /

   SHIFT                              EXIT      NORMAL / DOUBLE

  UP-3500U      Ver1.00    Terminal#001                    08/19/2008 11:30:00AM
```

11
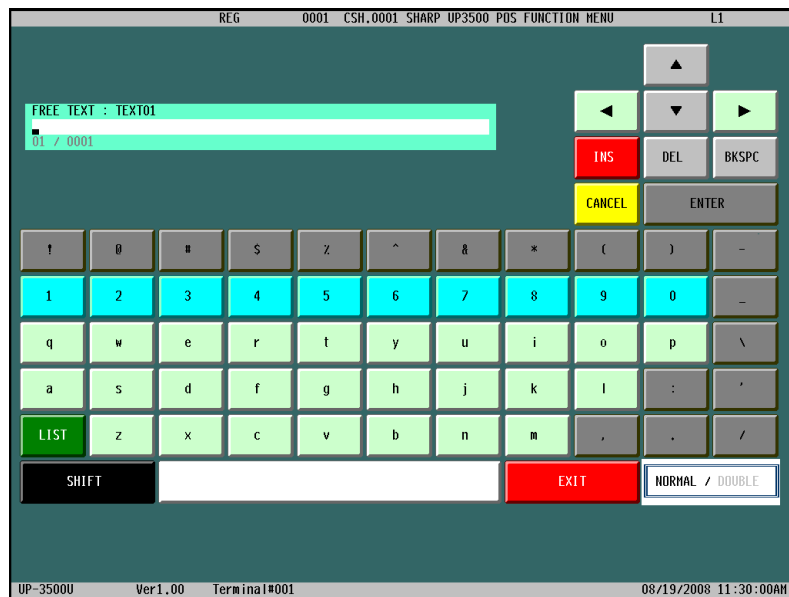
■ Customer display

There are two customer display options available for the UP-3500.
The pole type customer display or an integrated type rear display can be installed.

■ Screen save mode

The screen save function starts when the POS terminal is left idle for an extended period of time. You can program the time for which your POS terminal should keep the normal status before it goes into the screen saver mode. If the time has not been preset, the screen saver will be started after 100 minutes.
To exit the screen saver mode, touch anywhere on the touch panel (a secret code may be required at this time).

2 Before Operating the POS Terminal

This chapter describes those steps required prior to using the POS terminal for the first time.

Display Angle

The display may be positioned for the best viewing angle.
The allowable tilt angle of the display is within 56 degrees as shown in the illustration at the right.

CAUTION:
Do not pull the display beyond the maximum tilt angle nor apply excessive pressure to the display.
When adjusting the display, hold the body of the terminal when pulling the display of the terminal to minimize terminal movement.

56°
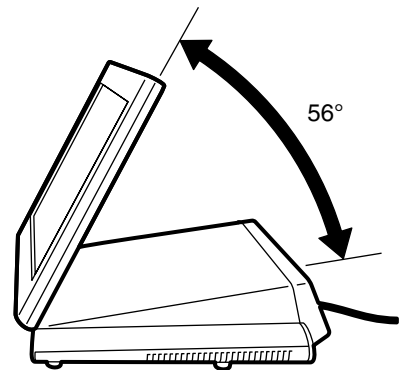
Connecting the Printer and Installing the Paper Rolls

This POS terminal can be configured with multiple types of printers. For specific instructions related to the handling and care of the printer, please refer to the applicable printer's instruction manual.

3 Prior to Making Entries

Preparations for Entries

Ensure that all printers in your system have adequate paper rolls prior to beginning entries. For more information, please refer to the applicable printer's manual.

Error Warning

In the following examples, your POS terminal will go into an error state accompanied with a warning beep and the error message on the display. Clear the error state by touching the **[CLEAR]** key and then take the proper action to remedy the problem.

- When you make an error in key operation:
    Clear the error and try the entry again.
- When you make an entry beyond a programmed amount entry limit:
    Check to see if the entered amount is correct. If it is correct, contact your manager.
- When an including-tax subtotal exceeds eight digits:
    Clear the error message by touching the **[CLEAR]** key and then touch a media key to finalize the transaction.

Selecting an Operating Mode

The POS terminal will display the following listing by touching the **[MODE]** key.

Mode selection window:
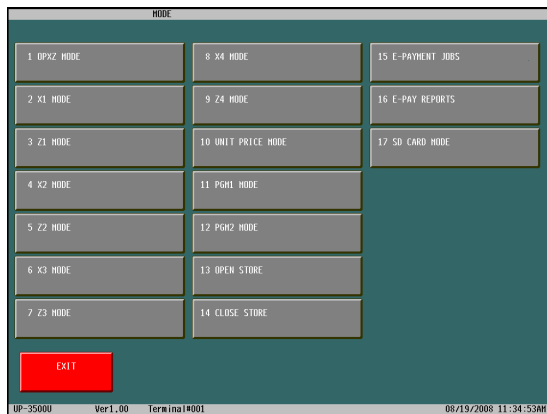
■ Operating modes

You can select any mode other than REG from the list in the mode selection window. Your POS terminal supports the following operating modes:

REG mode	This mode allows you to enter various sales information. The mode selection window does not list this mode. To select this mode from the mode selection window, touch the **[EXIT]** key.
Unit PRICE mode	This mode allows you to program unit price of PLUs.
OP X/Z mode	This mode allows cashiers to take X or Z reports on their sales information. It can also be used for employee time function.
X1 mode	This mode is used to take various daily reading reports (X1 reports).
Z1 mode	This mode is used to take various daily resetting reports (Z1 reports).
X2 mode	This mode is used to take various weekly or monthly reading reports (X2 reports).
Z2 mode	This mode is used to take various weekly or monthly resetting reports (Z2 reports).
X3 mode	This mode is used to take various weekly or monthly reading reports (X3 reports).
Z3 mode	This mode is used to take various weekly or monthly resetting reports (Z3 reports).
X4 mode	This mode is used to take various weekly or monthly reading reports (X4 reports).
Z4 mode	This mode is used to take various weekly or monthly resetting reports (Z4 reports).
PGM1 mode	This mode allows you to program those items which need to be changed often such as unit prices and discount percentages.
PGM2 mode	This mode allows you to program those items which can be programmed in the PGM1 mode and do not require frequent changes such as date, time, and terminal functions.
OPEN STORE	Open store operation
CLOSE STORE	Close store operation
E-PAYMENT JOBS	E-PAYMENT jobs
E-PAY REPORTS	E-PAYMENT reports
SD CARD mode	This mode provides data communications between the POS terminal and your personal computer using a SD memory card

■ Mode selection

Touch the **[MODE]** key. The following mode screen is displayed.

```
                          MODE
  ┌──────────────────┬──────────────────┬──────────────────┐
  │  1 OPXZ MODE     │  8 X4 MODE       │ 15 E-PAYMENT JOBS│
  │                  │                  │                  │
  │  2 X1 MODE       │  9 Z4 MODE       │ 16 E-PAY REPORTS │
  │                  │                  │                  │
  │  3 Z1 MODE       │ 10 UNIT PRICE MODE│ 17 SD CARD MODE │
  │                  │                  │                  │
  │  4 X2 MODE       │ 11 PGM1 MODE     │                  │
  │                  │                  │                  │
  │  5 Z2 MODE       │ 12 PGM2 MODE     │
  │                  │                  │
  │  6 X3 MODE       │ 13 OPEN STORE    │
  │                  │                  │
  │  7 Z3 MODE       │ 14 CLOSE STORE   │
  └──────────────────┴──────────────────┘
     ┌──────────┐
     │   EXIT   │
     └──────────┘
 UP-3500U    Ver1.00   Terminal#001          08/19/2008 11:34:53AM
```
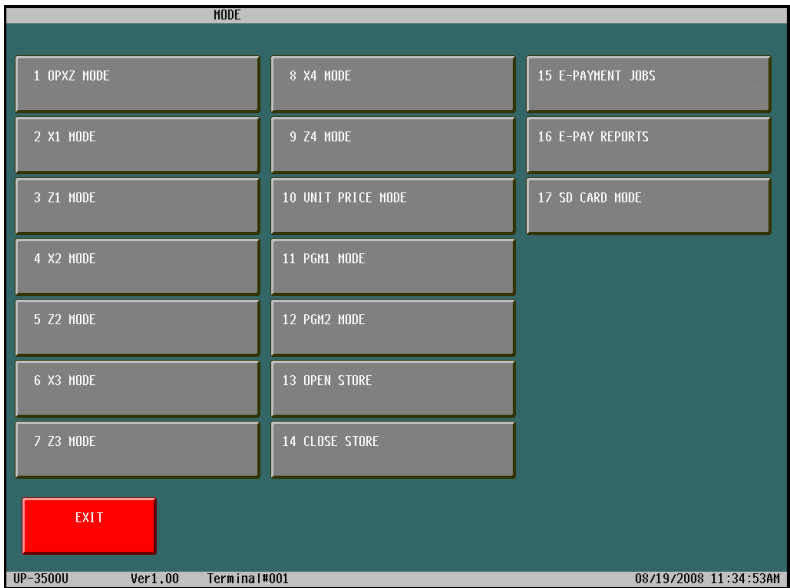
Select the mode and touch it in the window to operate the desired function.

NOTE *When you want to enter the REG mode, simply touch the **[EXIT]** key.*

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Entering a secret codes

When a secret code has been set for the selected mode or assigned cashier, you must enter the secret code and touch the **[ENTER]** key.

4 Entries

Function Key Description

■ Screen transitions

This POS terminal provides several types of basic screens for various functions or modes.

　　For example:

　　　　· REG mode screen (HOME screen)
　　　　· Mode screen
　　　　· Payment screen
　　　　· Drive-thru screen
　　　　etc.

NOTE　If you want to change the layout, consult your authorized SHARP dealer.

Screen transitions (example)

```
                        ┌─────────────────┐
                        │   Mode screen   │
                        └─────────────────┘
                             ▲     │
                         [MODE]   [EXIT]
                             │     ▼
┌─────────────┐  [HOME]   ┌─────────────────┐  [PAY]  ┌─────────────┐
│             │    or   → │                 │   →     │             │
│             │ [CANCEL]  │ REG mode screen │         │   Payment   │
│  Screen (n) │           │     (Home)      │         │   screen    │
│             │ [SCREEN n]│                 │ [HOME]  │             │
│             │    or   ← │                 │   or  ← │             │
└─────────────┘ {screen   └─────────────────┘ [CANCEL]└─────────────┘
                no. entry}    ▲       │
                          [HOME]    [D-DISP]
                            or        │
                         [CANCEL]     ▼
                        ┌─────────────────┐
                        │ Drive-thru screen│
                        └─────────────────┘
```
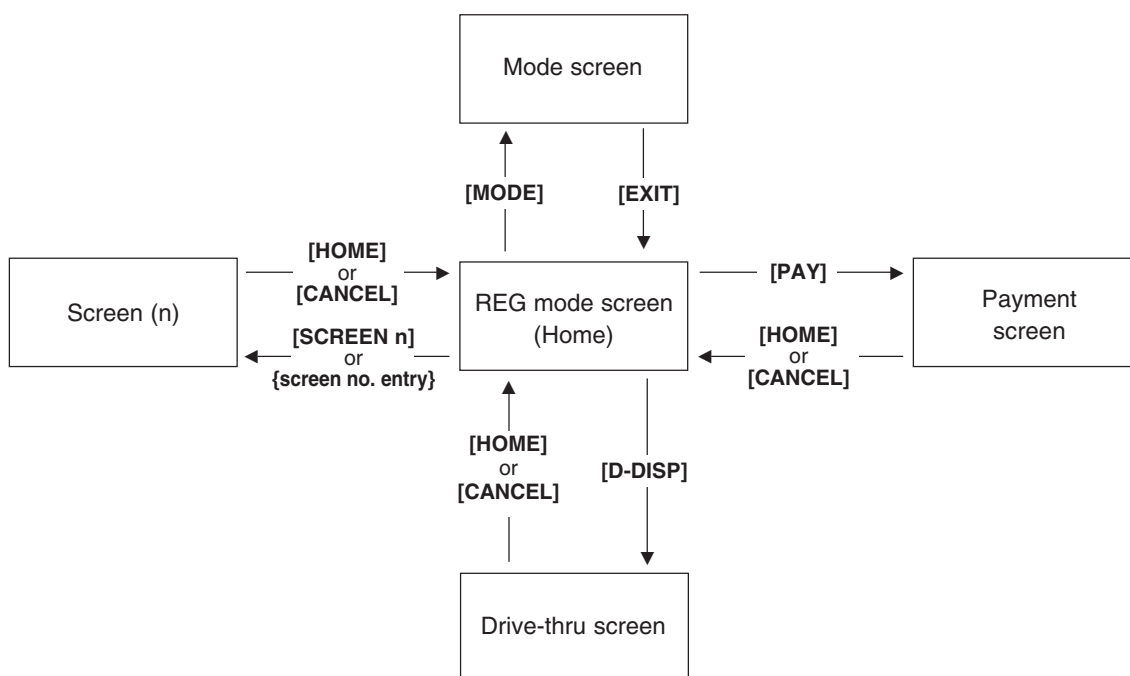
■ Function keys list (using default key labels)

Classification	Description	Function
TEN KEY		
	0 thru 9	Used to enter numeric data (0 thru 9).
	00	Used to enter numeric data (00).
	000	Used to enter numeric data (000).
	•	Decimal point key
	X/TIMES	Multiplication key
SYSTEM		
	HOME	Used to return to HOME keyboard screen.
	CANCEL	Used to cancel your current operation.
	CLEAR	Used to clear the entered data and the error messages.
	MODE	Used to go to MODE selection window.
	▲	Used to control the cursor (up arrow).
	▼	Used to control the cursor (down arrow).
	◄ (Left)	Used to change the keyboard.
	► (Right)	Used to change the keyboard.
	ENTER	Used to accept entered data.
	P UP	Used to scroll page up.
	P DOWN	Used to scroll page down.
	BKSPC	Used to backs up the cursor for deleting the character or figure at the left of the cursor.
	DEL	Used to delete a character or figure in the cursor position.
SCREEN		
	LEVEL	
	L1 thru L10	Used to shift the direct PLU key level (level 1 thru 10).
	GLU LIST	Go to GLU list screen.
	D-T LIST	Go to drive-thru list screen.
	SCREEN	
	SCREEN(n) (n: 1 - 99)	Go to SCREEN(n). (n: 1 - 99)
	SCREEN#	Used to enter the screen number.
	M. MENU	Used to display the miscellaneous function menu.
	(-) MENU	Used to display the (-) function menu.
	% MENU	Used to display the % function menu.
	RA MENU	Used to display the RA function menu.
	PO MENU	Used to display the PO function menu.
	CA MENU	Used to display the cash function menu.
	CHK MENU	Used to display the check function menu.
	CHG MENU	Used to display the charge function menu.
	CONVMENU	Used to display the conversion function menu.
	VD MENU	Used to display the void function menu.
	FNC. MENU	Used to display the function menu.
	PAY	Used to display the payment function menu.
	D-DISP	Used to display the drive-thru function menu.

(Continued)

Classification	Description	Function
ITEM		
	PLU/UPC	Specified item(PLU) number
	SCALE	Scale entry
	OPN TR	Scale entry, tare weight entry
	SUBSTITU	Used to enter the item substitution (modifier PLU).
	WITH	Add tied PLU for combo/set PLU.
	WITHOUT	Delete tied PLU from combo/set PLU.
	C NEXT	Used to skip the next table of condiments.
	INQ	PLU price inquiry
	PRCHNG	Change the price of PLU
	RECIPETX	Display recipe text associated to a PLU item
FUNCTION		
	[+]	Item correction (add) or repeat item
	[-]	Item correction (delete)
	P. VOID	Past void
	CHK VOID	Subtotal void
	VOIDMODE	Void mode
	RFND	Refund item
	RETURN	Return item
	RF MODE	Refund mode
	%	
	% n	Discount or markdown by fixed rate (n: 1 - 99)
	(-)	
	(-) n	Discount or markdown by amount (n: 1 - 99)
	GDISC%	
	GDSC% n	Group discount (n: 1 - 99)
	GD SHIFT	
	GD SFT n	Group discount shift (n: 1 - 99)
	FREE TEXT	
	F-TEXT n	Free text (fixed number) (n: 1 - 99)
	F-TEXT #	Free text (specified number)
	RA	
	RA n	Received on account (n: 1 - 9)
	PO	
	PO n	Paid out (n: 1 - 9)
	NS	No sale
	#	Non-add code
	G.C.COPY	Guest check copy
PAYMENT		
	CASH	
	CASH n	Cash (n: 1 - 9)
	CHECK	
	CHK n	Check (n: 1 - 9)

(Continued)

Classification	Description	Function
	CHARGE	
	CH n	Charge (n: 1 - 9)
	CONV	
	CONV n	Used to creates a subtotal in foreign currency (n: 1 - 4).
	TIP	Used to enter the tip.
	TIP PAID	Used to execute the tip paid function.
	EDIT TIP	Used to enter the tip after finalization.
	TAX SHIFT	
	TAX SFT n	Used to shift the taxability (n: 1 - 4).
	SBTL	Used to display subtotals.
	MDS ST	Used to display the merchandise subtotal.
	TRY ST	Used to display the tray subtotal.
	TAX	Used to enter the manual tax.
	EAT IN	
	EATIN n	Used to display the eat-in subtotal (n: 1 - 9).
	GC BAL	Gift Card Balance
EMPLOYEE		
	SHIFT	Used to specify shift status for each employee.
	CASHIER	
	CSH n	Cashier (n: 1 - 99)
	CSH#	Casier number entering
	EMPL#	Employee number entering
	SIGN OUT	Used to enter sign out operation.
	TIME-IN	Used to enter time-in operation.
	TIME-OUT	Used to enter time-out operation.
	BREAK	Used to enter break-in/out operation.
	BREAK PD	Used to enter break-in/paid operation.
	TIMEEDIT	Used to enter time edit operation.
GLU/DRIVE THRU		
	PBAL	Used to lookup the guest check.
	N. C.	Used to open a new guest check.
	PBAL2	Used to lookup the guest check (for drive-thru function).
	N. C. 2	Used to open a new guest check (for drive-thru function).
	SRVC	Used to finalize the guest check temporarily.
	FINAL	Used to finalize the guest check temporarily (with the tax calculation).
	DEPO	Used to enter the deposit.
	DEP. RF	Used to refund the deposit.
	CV CNT	Used to enter the cover count.
	WAIT	Used to shift the corresponding guest check to the wait mode (for drive-thru).
	RECALL	Used to re-call the corresponding guest check to the registration mode (for drive-thru).

(Continued)

Classification	Description	Function
PRINTING		
	RCPT	Used to print the receipt after transaction.
	RCP.SW	Used to switch the receipt printing state (ON/OFF).
	BILL	Used to print the bill.
	GC RCPT	Bill on receipt
	RP SND	Used to send a partial order to the remote printer.
	RCPT SFT	Receipt shift, change print type
	SORT SFT	Temporary change sort group
	ADD/NAME	Change address/name information
OTHER		
	MACRO	
	MACRO n	Macro key (n: 1 - 99)
	CAPTURE	
	CAP. n	Used to capture the operation data (n: 1 - 10)
	SCM	
	SCM+	Starting cash memory (+)
	SCM-	Starting cash memory (-)
	VIP	
	VIPSALE n	VIP sales (n: 1 - 9)
	E-MAIL	E-mail key
	BACK	BACK key return to last screen (only 1 screen back).

■ Item key list (default key labels)

Classification	Description	Function
PLU		
	DEPT n	(Associated dept.)
	PL nnnnnn	Fixed item(PLU) number

■ PLU menu keys list (default key labels)

Classification	Description	Function
PLU Menu		
	MENU nnn	PLU menu

How to Use the Touch Panel

Operations can be performed by touching corresponding key(s) and/or selecting option(s) or Item(s) in the window.

NOTE *Do not use extreme force when touching the display.*
Do not use any sharp or pointed objects, and avoid using your fingernails to touch the display.

■ Cursor control by touching option(s) or item(s) in the window

You can select option(s) or item(s) by touching corresponding line(s) in the window as follows.

• Example (registration screen)

To select item(s) or option(s):
Touch the desired line(s). (If you touch the selected item again, it will be deselected.)

To enter the item or function key:
Touch the desired item or function key.

To scroll up:
Touch the **[▲]** key.
(The selected item will remain unchanged.)

To change the screen:
Touch the **[▶]** key.

To change the screen:
Touch the **[◀]** key.

To scroll down:
Touch the **[▼]** key.
(The selected item will remain unchanged.)

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Cashier entries (Sign-on/Sign-off)

Prior to item entries, the cashier will be compelled to enter his or her assigned cashier code.
Note: This may not be necessary when the POS terminal has been programmed for the cashier code entry as "cashier stay-down mode."

● Sign-on

The cashier is signed on by entering the cashier code or touching the **[CSH n]** key.

Procedure

1) Cashier code (max. 4 digits) → **[CSH#]** (Sign On) / or touching the **[CSH n]** key

2) Entering the secret code (if required)

3) Entering the drawer number (if required)

● Sign-off

After each transaction, the cashier will be signed-off automatically if the terminal has been programmed for the cashier code entry as "automatic cashier sign-off mode".
If the terminal is not programmed to require a cashier code to be entered for each transaction operation ("cashier stay-down mode"), transaction operations are continued with the same cashier code, the cashier code does not need to be reentered. In this case, touch either the **[CSH#]** (Sign On),
[CSH n] (same as signed on) to sign-off.

Procedure

→ **[CSH#]** (Sign On) / or touching the **[CSH n]** key

NOTE

- *When the cashier entry system is programmed for "cashier stay-down mode," no other cashier can sign on unless the cashier who has signed on is signed off.*
- *When the cashier entry system is programmed for "automatic cashier sign-off mode," any other cashier is able to sign on even when another cashier has signed on without making entries. At this time the current cashier is automatically signed off.*
- *When the "overlapped cashier" is enabled, any other cashier can sign on even when another cashier is making entries, the original cashier entries will be stored and recalled when the first cashier signs on again.*

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Starting Cash Memory Entry

If you enter the amount of currency for the starting amount in the drawer before entry operations, you can separate that amount from the sales amount when reports are generated.
Your POS terminal can be programmed to enforce the entry of starting cash into memory.

Procedure

Touch the **[SCM+]** or **[SCM–]** key.

SCM (+) : CSH.0001		
1 CENTS	BKSPC	CLEAR
5 CENTS		
10 CENTS	7 8 9	
25 CENTS		
50 CENTS	4 5 6	
100 CENTS		
1$	1 2 3	
2$		
5$	0 00 .	
10$		
20$	ENTER	
50$		
100$	OK CANCEL	
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Enter the amount for each currency and touch the **[ENTER]** key.

Item Entries

■ Registration screen

Item (direct PLU) key

Receipt window
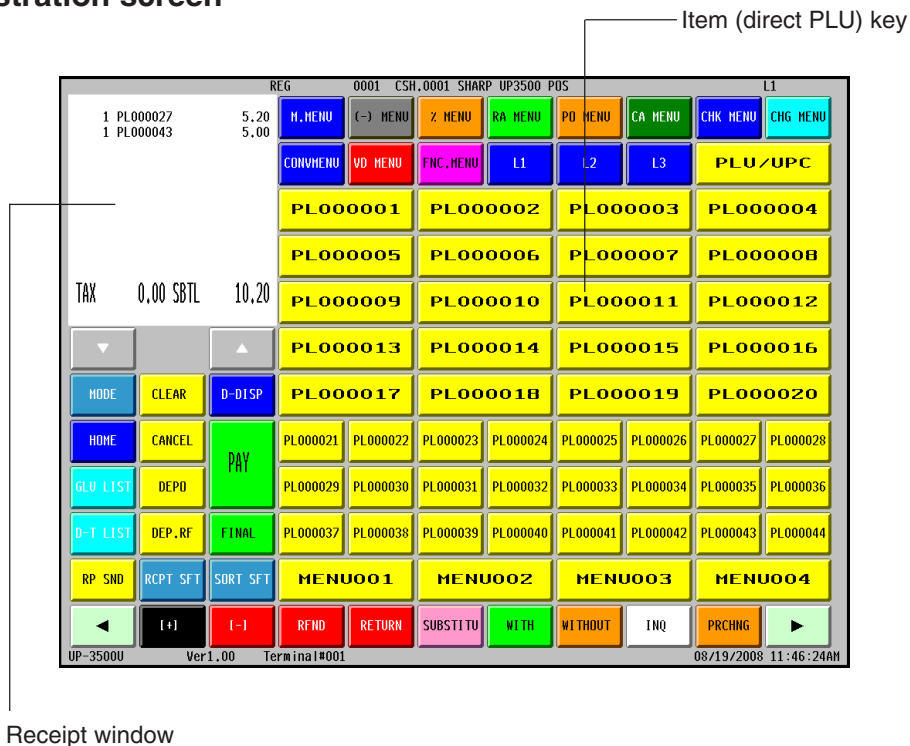
The registration screen can be changed to another registration screen by using the **[SCREEN n]** key or screen# entries (→ Screen no. → **[SCREEN#]**).
When the item (direct PLU) key is held in the PLU menu key, touch the corresponding PLU menu key (main PLU menu key), then select the item (or sub-PLU menu key). (Ex.: → **[DRINK]** → **[WINE]** → **[WHITE]** → **[NICE WINE]**)

■ Single item entries

● Direct PLU entries

Procedure

For "preset only type": → **[Direct PLU key]**
For "open only type": → Unit price → **[Direct PLU key]**
For "open and preset type": → **[Direct PLU key]** → Unit price → **[ENTER]** (open price entry)
For "open and preset type": → **[Direct PLU key]** → **[ENTER]** (preset price entry)

● Open unit price: Within the programmed HALO/LALO

NOTE

● *After touching a **[Direct PLU key]** for "open only type" or "open and preset type", the ten key pad window is displayed. Then enter the unit price and touch the **[ENTER]** key (open price), or touch just the **[ENTER]** key (preset price).*

www.cashregisters.net

• **PLU code entries**

Procedure

For "preset only type":   → PLU code → **[PLU/UPC]**
For "open only type":   → PLU code → **[PLU/UPC]** → Unit price → **[ENTER]**
For "open and preset type":   → PLU code → **[PLU/UPC]** → Unit price → **[ENTER]** (open price entry)
For "open and preset type":   → PLU code → **[PLU/UPC]** → **[ENTER]** (preset price entry)

• PLU code: max. 6 digits
• Open unit price: Within the programmed HALO/LALO

NOTE

• *After entering the PLU code for an "open only type" or "open and preset type", the ten key pad window is displayed. Then enter the unit price followed by the* **[ENTER]** *key (open price), or touch the* **[ENTER]** *key (preset price).*

• **UPC entries**

Procedure

By scanning UPC code: → ⊗ (Scan UPC code)

By UPC code entry: → UPC code → **[PLU/UPC]**

• UPC code: max. 13 digits

NOTE

• *When you enter or scan an undefined code, (if the terminal is programmed for the learning function as "yes",) you are required to enter its unit price and the associated department.*
  (Undefined UPC entry) → Unit price → **[ENTER]** *→ Dept. code →* **[ENTER]** *→ (Delete/no delete selection) →* **[ENTER]**

■ Repeat entries

You can use this function for repetitive entries (PLU/UPC) of the same items.
Multiple items can also be repeated by using the **[+]** key.

Procedure

Touch the desired item(s) on the receipt window, then touch the **[+]** key.

■ Multiplication entries

Use this feature when you need to enter two or more of the same items.
This feature helps you when you sell multiples of items or need to enter quantities that contain decimals.
When the kitchen printer is used under "Issuing S/D receipts by the number of times of multiplication: Yes"
programming, the number of multiplier may be limited by "Maximum number of ticket issuing" programming.

• Direct PLU entries

Procedure

For "preset only type":	→ Q'ty → **[Direct PLU key]**
For "open only type":	→ Q'ty → **[X/TIMES]** → Unit price → **[Direct PLU key]**
For "open and preset type" (open price entry):	→ Q'ty → **[Direct PLU key]** → Unit price → **[ENTER]**
For "open and preset type" (preset price entry):	→ Q'ty → **[Direct PLU key]** → **[ENTER]**

- Q'ty: Up to 4 digits integer
- Open unit price: Within the programmed HALO/LALO
- Q'ty x unit price: Up to 8 digits

NOTE

- *After touching a **[Direct PLU key]** for "open only types" or "open and preset types", the ten key pad window is displayed. Then enter the unit price and touch the **[ENTER]** key (open price), or touch the **[ENTER]** key (preset price).*

• PLU code entries

Procedure

For "preset only type":	→ Q'ty → **[X/TIMES]** → PLU code → **[PLU/UPC]**
For "open only type":	→ Q'ty → **[X/TIMES]** → PLU code → **[PLU/UPC]** → Unit price → **[ENTER]**
For "open and preset type" (open price entry):	
	→ Q'ty → **[X/TIMES]** → PLU code → **[PLU/UPC]** → Unit price → **[ENTER]**
For "open and preset type" (preset price entry):	
	→ Q'ty → **[X/TIMES]** → PLU code → **[PLU/UPC]** → **[ENTER]**

- PLU code: max. 6 digits
- Q'ty: Up to 4 digits integer
- Open unit price: Within the programmed HALO/LALO
- Q'ty x unit price: Up to 8 digits

NOTE

- *After entering the PLU code for "open only types" or "open and preset types", the ten key pad window is displayed. Then enter the unit price and touch the **[ENTER]** key (open price), or touch the **[ENTER]** key (preset price).*

• **UPC entries**

By scanning UPC code: → Q'ty → **[X/TIMES]** → ⊗ (Scan UPC code)

By UPC code entry: → Q'ty → **[X/TIMES]** → UPC code → **[PLU/UPC]**

- UPC code: max. 13 digits
- Q'ty: Up to 4 digits integer
- Open unit price: Within the programmed HALO/LALO
- Q'ty x unit price: Up to 8 digits

NOTE

- *When you enter or scan an undefined code, (if the terminal is programmed for the learning function as "yes",) you are required to enter its unit price and the associated department.*
  *(Undefined UPC entry) → Unit price → **[ENTER]** → Dept. code → **[ENTER]** → (Delete/no delete selection) → **[ENTER]***

■ Scale entries

This function is used to sell items by weight. There are two types of weight entry systems available; auto scale entries and manual scale entries. Auto scale entry is used when the weight is read automatically from the connected scale (option).
In the case of manual scale entry (used to refund/return), the weight is entered by using the ten key pad function.

• Auto scale entries

Procedure

Open tare weight entry:
→ **[OPN TR]** → Tare weight → **[SCALE]** → Base weight → **[X/TIMES]** → (Single item entry)

Tare table number entry:
→ Tare table number → **[SCALE]** → Base weight → **[X/TIMES]** → (Single item entry)

- Open tare weight: Up to 5 digits (integer + decimal)
- Net weight: Up to 5 digits (integer + decimal)
- Base weight: Up to 2 digits (integer)

NOTE

- *When you use the programmed base weight, skip the base weight entry (→ Base weight → **[X/TIMES]**).*
- *When you use a programmed tare table number, skip the tare table no. entry (→ Tare table number).*
- *When the PLU is programmed for "compulsory scale entry", it is not necessary to touch the **[SCALE]** key.*
- *To issue a receipt which shows only a tare weight (Issuing the Tare receipt):*
  → ***[OPN TR]** → Tare weight → **[SCALE]** → **[CASH]***

• Manual/Refund scale item entry

Procedure

→ Net weight → **[RFND]** → **[SCALE]** → Base weight → **[X/TIMES]** → (Single item entry)

- Net weight: Up to 5 digits (integer + decimal) which is from the customer's receipt.
- Base weight: Up to 2 digits (integer)

■ PLU menu keys (categories)

Items can be categorized into PLU menu keys for ease of registration.
A PLU menu key can contain both PLU items and other PLU menu keys. This can make a PLU menu tree of choices.

When the item (direct PLU) key is programmed within the PLU menu key, touch the corresponding PLU menu key (main PLU menu key), then select the item (or sub-PLU menu key).
(Example: → [DRINK] → [WINE] → [WHITE] → [NICE WINE])
(Example: → [DRINK] → [WINE] → [ROSE] → [GREAT WINE])
(Example: → [DRINK] → [BEER] → [LIGHT] → [NICE BEER])

```
        |              |_____|              |
    Main PLU        Sub-PLU            Item
    menu key        menu key
```
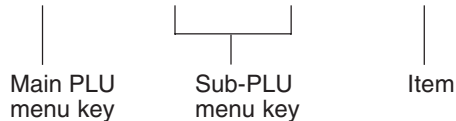
■ Non-turnover sales

This function is used to perform transaction other than ordinary sales (turnover) in a restaurant. In this case, the cashier will receive payment for items that are not "sales" for reporting purposes.
The item is programmed as non-turnover.
Example: Sales of government run raffle tickets where the money must be collected and recorded but the business is not receiving "sales" revenu.

■ Link PLU/UPC entries

It is possible to link PLUs (linked PLUs) with a PLU or UPC (link PLU/UPC) so that several PLUs/UPCs can be combined for a single key touch. You can program a maximum of 99 link PLUs/UPCs. A link PLU can be tied to a maximum of 5 PLUs.
The operation is the same as that for normal PLU's/UPC's. When this PLU/UPC is entered, the linked PLU's amount is included and the linked PLU's label is printed automatically. Only the 1st-ranking PLU is affected by the tax status shift keys. The percent calculation is in effect for the amount of the 1st-ranking PLU.

■ PLU level shift (for direct PLUs)

This shift can double or triple the number of direct PLUs on your POS terminal without adding additional direct PLU keys. You can use direct PLUs in ten levels by utilizing the PLU level shift keys **[L1]** thru **[L10]**. Level key shifts the PLU level from the other nine to the required level. (The normal level is the level 1.) You must program your machine in the PGM mode to select one of the two PLU level shift modes — automatic return mode* and lock shift mode** — and decide whether to allow PLU level shift in both the REG and MGR modes or in the MGR mode alone.

*   The automatic return mode automatically shifts the PLU level back to level 1 after touching a direct PLU key or finalizing each transaction.
** The lock shift mode holds the current PLU level until a PLU level shift key is touched.

Automatic return mode (for PLU levels)

If your terminal has been programmed for PLU level in the automatic return mode, touch a desired PLU level shift key before a numeric entry.

Procedure

(Returning every item entry)
→ **[L2]** thru **[L10]** → { Q'ty → **[X/TIMES]** } → **[Direct PLU key]** → Return to level 1

(Returning every transaction)
→ **[L1]** thru **[L10]** → { Q'ty → **[X/TIMES]** } → **[Direct PLU key]** → ······ → (Finalization) → Return to level 1

NOTE

When you use the FF method, you need not touch the [X/TIMES] key for numeric entry.

Lock shift mode (for PLU levels)

If your terminal has been programmed for PLU level in the lock shift mode, touch a desired PLU level shift key before a numeric entry.

Procedure

→ **[L1]** thru **[L10]** → { Q'ty → **[X/TIMES]** } → **[Direct PLU key]** → Stay in the current level

NOTE

*   *If you select the automatic return mode (Retuning every item entry), it is not necessary to use the [L1] key.*
*   *When you use the FF method, you need not touch the [X/TIMES] key for multiplication entries.*

■ Mix-and-match function

This function is convenient for matching several PLU/UPC items and selling them as a form of discount. The mix-and-match table consists of the discount type (item type/ subtotal type), trip level for discount (satisfying count of entered item), and discount value. One table can be assigned a max. of twenty kinds of items.

If the transaction that the mix-and-match item is registered is finalized, the sales amount may be discounted as follows:

The item type

Mix-and-match items of table no. 1: Item-A (*2.30), Item-B (*3.10), Item-C (*2.50)
Trip level for each item: Item-A (1), Item-B (1), Item-C (1)
Discount price: Item-A (*2.00), Item-B (*3.00), Item-C (*2.00)

```
        <Sale 1>                        <Sale 2: mix-and-match>
     Item-A   $2.30                        Item-A   $2.00
     Item-B   $3.10                        Item-B   $3.00
     Subtotal $5.40                        Item-C   $2.00
                                           Subtotal $7.00
```

The subtotal type

Mix-and-match items of table no. 1: Item-A (*2.30), Item-B (*3.10), Item-C (*2.50)
Trip level for each item: Item-A (1), Item-B (1), Item-C (1)
Selling amount: *6.50

```
        <Sale 1>                        <Sale 2: mix-and-match>
     Item-A   $2.30                        Item-A   $2.30
     Item-B   $3.10                        Item-B   $3.10
     Subtotal $5.40                        Item-C   $2.50
                                           (Discount) (–1.40)
                                           Subtotal $6.50
```

■ Set PLU entries

The operations are the same as normal PLU's. When a set PLU is entered, an entered or preset amount is printed as the unit price and then those PLUs linked to the set PLU can be printed automatically.
You can program a maximum of 99 set PLUs. A set PLU can be tied to a maximum of 20 PLUs.

(Example:)

PLU

PLU #	Name	Menu type	SET PLU #	Price
1	HAMB SET	SET PLU	1	*3.49
11	HAMB	NORMAL		*2.00
12	FRIES	NORMAL		*1.00
13	COKE	NORMAL		*1.00

Set PLU table

SET PLU #	Tied PLU #
1	11
	12
	13

Operation

Key entry	Printing
[PLU 1]	HAMB SET *3.49 HAMB FRIES COKE

■ Combo meal entries

The operation is the same as that for normal PLU entries.
When a combo meal is entered with the Combo key, the labels of those PLUs linked to the Combo key are printed automatically. The sum of all adjusted prices (of those PLUs linked to the Combo key) becomes the "combo meal" price setting.

NOTE

- *When combo meal is registered, q'ty totalizer of the combo key and amount totalizer of each PLU are updated.*
- *Auto combo entry*
  If the item programmed "auto combo object" is entered, the combo tables (assigned "auto combo no.") are checked automatically for the combo menu at the finalization of the entry.
  If no "auto combo no." is programmed for the auto combo object, all combo tables are checked for the combo menu.

■ Modifier PLU entries

When the item is entered by using the **[SUBSTITU]** key, the substitution group (modifier PLUs) is displayed.
At this time, select the item to modify the original PLU. This function is used in pubs and restaurants for quick and easy registration.

Each PLU can be associated with a modifier table number. The modifier table can be linked to a maximum of 9 modifier PLUs.

Procedure

- **Pre-entry type**
  → **[SUBSTITU]** → (Item/Combo entry) → (The substitution group is displayed, touch the item to modify.)

- **Post-entry type**
  → (Item/Combo entry) → (Touch the item on receipt window) → **[SUBSTITU]** → (The substitution group is
  displayed, touch the item to modify)

■ With/without entries

This function is used to add/delete tied PLU(s) to/from a Combo/set PLU entered.
The with/without function is used to change the tied PLUs of the combo/set PLU in compliance with a special request made by a guest or to meet other situations.
For example, the function is needed when receiving a request to remove tomato from a certain dish in a restaurant.
The following two types are available:

    With: This entry adds one of the tied PLUs to combo/set PLU.
    Without: This entry deletes one of the tied PLUs from combo/set PLU.

Procedure

● With

1) Enter the combo or set PLU.
2) Touch the combo or set PLU in the receipt window. (The item will be highlighted.)
3) Touch the **[WITH]** key. The PLU category for "with" will be shown.
   (Select the item from the assigned category of the relevant combo or set PLU.)
4) Enter PLU to add.

● Without

1) Enter the combo or set PLU.
2) Touch the tied PLU to be removed in the receipt window. (The item will be highlighted.)
3) Touch the **[WITHOUT]** key.

■ Condiment entries

The terminal may be programmed for prompting condiment and instructions for a menu-item PLU.

Example:

When you enter a menu-item PLU, a message such as "HOWCOOK?" is prompted and a list of the "Condiment PLUs" will appear. You must specify one of the "Condiment PLUs" such as "WELLDONE" to meet a special order of the guest. In an example of the condiment table shown below, it is assumed that condiment table no.1 is assigned to PLU number 21 (programmed text "STEAK") and table no. 4 is assigned to table no. 1 as the next table no. When you enter the PLU number 21, the message "HOWCOOK?" will appear to prompt you to specify one of "RARE," "MED.RARE," and "WELLDONE." If the guest chooses "RARE," select it from the list. Then the next message "POTATO?" will appear to prompt you to specify one of "P.CHIPS," "MASHED.P," and "BAKED.P." If the guest chooses mashed potato, select it. Here is an example of how to perform a condiment entry when your condiment table is as shown below.

(Example:)

PLU:

PLU	Name	Price	Condiment Table #
PLU00021	STEAK	$20.00	1

Condiment table:

Condiment Table #	Contents	Linking Condiment Table #	Condiment PLU		
			PLU	Name	Price
1	HOWCOOK?	4	PLU00023	RARE	$0.00
			PLU00025	MED.RARE	$0.00
			PLU00027	WELLDONE	$0.00
4	POTATO?	End (nothing)	PLU00033	P.CHIPS	$0.60
			PLU00037	MASHED.P	$0.60
			PLU00038	BAKED.P	$0.50

Operation:

Entry	Printing	
[STEAK]	STEAK	$20.00
[RARE]	RARE	
[MASHED.P]	MASHED.P	$0.60

The terminal will continue to operate for the condiment entry until you finish the entire condiment entry programmed for the PLU. During the condiment entry, if you enter a normal PLU, which is not in the condiment table, an error message will appear.

When the compulsory number is programmed for the condiment table (e.g. 2 thru 9), its table shows repeatedly until accomplishment of a programmed times, then the next table will show.
When the **[C NEXT]** key is touched, the entry skips to the next table which is programmed.
When the **[CANCEL]** key is touched, its condiment entry is canceled.
When you enter a PLU priced at "0.00," only the text will be printed on the receipt.
The multiplication entry may be possible for condiment entries (by programming condiment table entry method: Single entry method/multiplication entry method) as the following example.

● **Single entry method**

The items of the condiment table must be entered for each menu-item by one-set individually.

(Example:) 3 steaks process:

Operation	Display	Receipt window	Note

3 [Steak]
 	
[Rare]
 	
[Peas]
	How cook?
	
	Vegetable?
		
		1x Steak
		   Rare
		   Peas
			for 1'st steak

[Rare]
 	
[Carrot]
	How cook?
	
	Vegetable?
		
		1x Steak
		   Rare
		   Carrot
			for 2'nd steak

[Medium]
 	
[Peas]
	How cook?
	
	Vegetable?
		
		1x Steak
		   Medium
		   Peas
			for 3'rd steak

● **Multiplication entry method**

The items of the condiment table can be entered by multiplication entry.

(Example:) 3 steaks process:

Operation	Display	Receipt window	Note
3 [Steak]		1x Steak 1x Steak 1x Steak	

2 [Rare]
[Medium]
	How cook?	1x Steak
		   Rare
		1x Steak
		   Rare
		1x Steak
		   Medium
			1'st condiment is automatically processed.

2 [Peas]
 	
Select items
	Vegetable?
	
	Select item
		1x Steak
		   Rare
		1x Steak
		   Rare
		1x Steak
		   Medium
			After 2'nd condiment, it is necessary to select items.

		1x Steak
		   Rare
		   Peas
		1x Steak
		   Rare
		1x Steak
		   Medium
		   Peas	

[Carrot]	Vegetable?	1x Steak
		   Rare
		   Peas
		1x Steak
		   Rare
		   Carrot
		1x Steak
		   Medium
		   Peas
			Last item. (Not necessary to select items.)

● Price roll-up for condiment entries

The price of each condiment PLU may be rolled-up in the price of menu-item PLU (parent PLU) entry.

(Example:)

PLU

PLU	Name	Price	Condiment Table #
PLU00001	Condiment 1	$25.00	2

Condiment table

Condiment Table #	Contents	Pricing	Linking Condiment Table #	Condiment PLU		
				PLU	Name	Price
2	Onion/Corn Soup	Rolled-up in the parent PLU	3	PLU00011	Onion Soup	$4.00
				PLU00012	Corn Soup	$4.50
3	Meat/Fish	Individual pricing	End (nothing)	PLU00051	Meat	$20.00
				PLU00052	Fish	$22.00

Operation

Entry	Printing		Note
[Condiment 1]	1 Condiment 1	$25.00	
[Corn soup]	1 Corn Soup		← The price is rolled-up in the parent PLU.
[Meat]	1 Meat	$20.00	← The price is printed individually.

■ Price inquiry (view) function

You can use this function when you want to know the unit price of the PLU/UPC item during transaction. The PLU/UPC can be registered in VIEW mode. The unit price of a PLU/UPC can be temporarily changed. The programmed unit price is not changed.

Procedure

(1) Touch the **[INQ]** key.
(2) Enter the PLU/UPC.

Scanning UPC code: → ⊗ (Scan UPC code)

PLU/UPC code entry: → PLU or UPC code → **[PLU/UPC]**

Direct PLU entry: → **[Direct PLU key]**

The following window is displayed.

Original Price
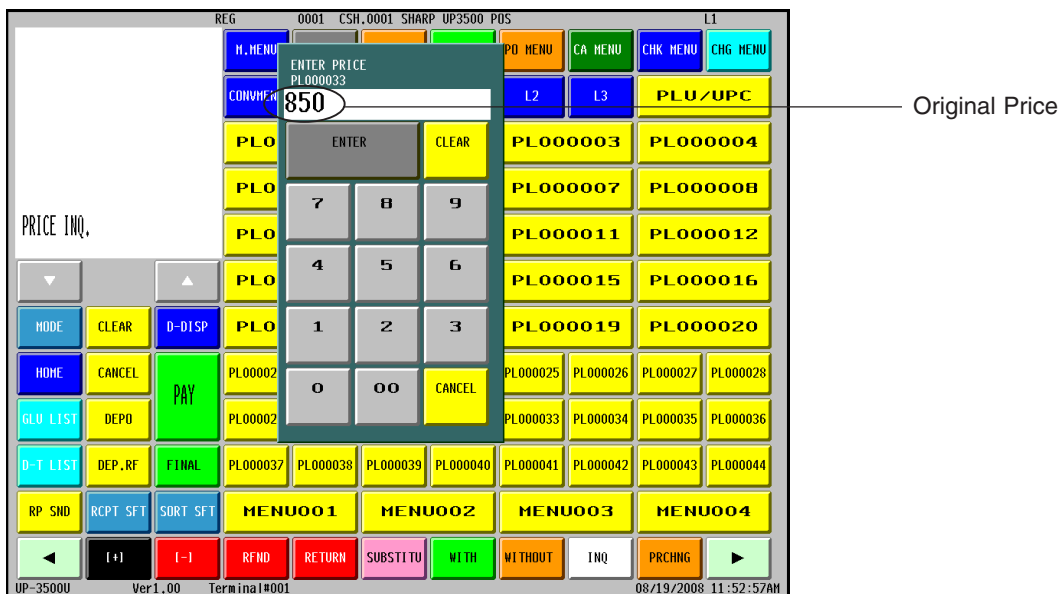
(3) Select one of the following operations.

Confirmation only: → **[CANCEL]**

Entering the PLU/UPC (by programmed price):   → **[ENTER]**

Entering the PLU/UPC (by override price):   → Override price → **[ENTER]**

■ UPC learning function

When you enter or scan an undefined code, you are required to enter the unit price and the associated department. The PLU/UPC code, unit price and the department entered are stored in the PLU/UPC file and are used for future sales entries.
If you want to exempt the PLU/UPC code entered from the non-accessed PLU/UPC delete function, you can select the "No delete" mode for each PLU/UPC.

Procedure

(1) Enter PLU/UPC (by undefined PLU/UPC code)
    The following window will be displayed.

If the PLU/UPC code is entered by mistake, touch the **[CANCEL]** key and enter the correct PLU/UPC code.

(2) Enter the price and the associated department number, then select the delete method.

NOTE

- *When there is no capacity remaining in the file, the data is not stored in the file.*
- *The text of the entered department is applied to the entered PLU/UPC code.*
- *You can use the learning function in the training mode. This may be convenient to practice when installing the scanning system.*

■ Price change function

You can use this function when you need to change the preset price and/or associated department of a PLU/UPC. The programmed price and/or associated department is changed to the new ones.

Procedure

(1)   Touch the **[PRCHNG]** key, then enter the PLU/UPC item.
(1a) Enter the PLU/UPC item then touch the **[PRCHNG]** key.
      The following window is displayed.
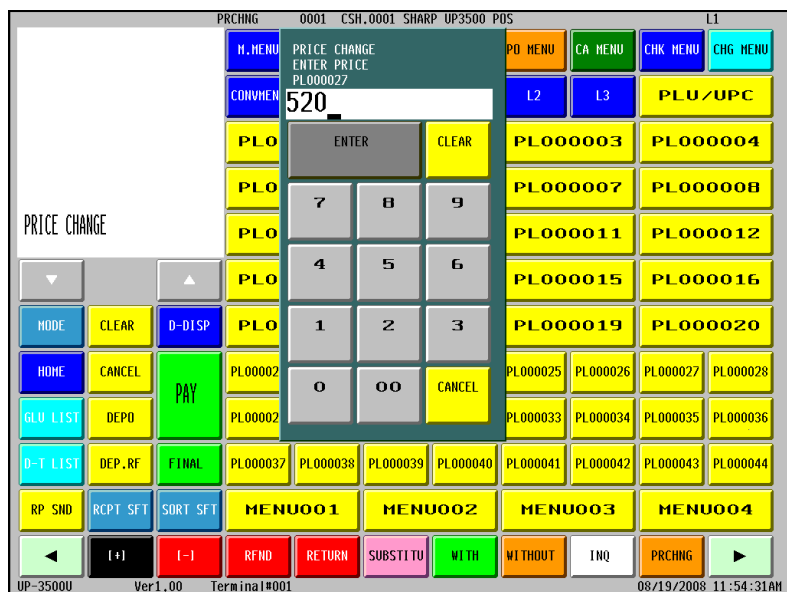
      If you need to cancel the price change function, touch the **[CANCEL]** key.

(2) Enter the price and associated department number, then touch the **[ENTER]** key.
    (To keep the current price and department number, touch the **[ENTER]** key.)

NOTE   • *When an undefined code is entered for the price change mode, the entry will result in an error message.*

■ Recipe text display/print

This function enables you to confirm the recipe instructions for preparing select items. The displayed guidance text can be printed. If this function is required, the guidance text of the recipe can be programmed for the recipe table, and the recipe table no. must be assigned for PLU items.

Procedure

(1) Select the entered PLU in the receipt window. (The selected item will be highlighted.)
(2) Touch the **[RECIPETX]** key.
   The following window is displayed.

(3) Touch the **[PRINT]** key, if the printout is required.
   Touch the **[OK]** key to close the guidance for the recipe.

Subtotal Display

Your POS terminal provides these five types of subtotals:

■ Merchandise subtotal

Touch the **[MDS ST]** key at any point during a transaction.
The net sales subtotal (not including tax) will appear in the window.

■ Taxable subtotal

Taxable **n** (n: 1 - 4) subtotal
Touch the **[TAX SFT n]** and **[SBTL]** keys in this order at any point during a transaction. The sales subtotal of taxable (n) items will appear in the window. Touch the **[OK]** key to exit the subtotal display mode.

■ Including-tax subtotal (full subtotal)

Touch the **[SBTL]** key at any point during a transaction. The sales subtotal including tax will appear in the window.

■ Tray subtotal

Touch the **[TRY ST]** key during a transaction in the REG mode.
The contents of the tray total itemizer which include tax are printed and displayed.

■ Eat-in subtotal

Touch the **[EAT IN n]** (n: 1 - 9) key prior to entering a payment. Your POS terminal will calculate a subtotal according to the programmed tax exemption status and display the subtotal.
For the transaction with the eat-in subtotal, you must finalize the transaction by making a payment entry.
Just after touching the **[EAT IN n]** (n: 1 - 9) key, however, you can cancel the entry of that key by touching the **[CLEAR]** key or another **[EAT IN n]** (n: 1 - 9) key.

Finalization of Transaction

The following types of media can be used for the finalization of transactions.
- Cash
- Check
- Charge (Credit)

The direct finalization or amount tendering can be performed to finalize the transaction.

• Amount tendering

Procedure

Cash (n):   → Tendered amount → **[CASH n]**   (n: 1 - 9)
Check (n):   → Tendered amount → **[CHK n]**   (n: 1 - 9)
Charge (n): → Tendered amount → **[CH n]**   (n: 1 - 9)

NOTE
- *The charge tendering is allowed when its media is programmed for compulsive tendering.*
- *The amount tendering is disallowed when the sales subtotal (full subtotal) is zero or negative.*
- *The amount tendering for the partial payment (short tendering) can be allowed.*

• Direct finalization

Procedure

Cash (n):   → **[CASH n]**   (n: 1 - 9)
Check (n):   → **[CHK n]**   (n: 1 - 9)
Charge (n): → **[CH n]**   (n: 1 - 9)

NOTE
The direct charge function is allowed when its media is programmed for prohibited tendering.

Tax Calculations

■ Automatic tax

When your POS terminal is programmed with a tax table (or tax rate) and the tax status of an individual department or PLU is set for taxable, it computes the tax automatically on any item that is entered into the department directly or indirectly via a related PLU.

■ Manual tax

Your POS terminal allows you to enter tax manually after item entries.
After items entry, enter tax amount and touch the **[TAX]** key.

■ Tax deletion

You can delete the automatic tax on the taxable 1, taxable 2, taxable 3, or taxable 4 subtotal of each transaction by touching the corresponding TAX SHIFT key followed by the **[SBTL]** key, then the **[TAX]** key after the subtotal is displayed.

NOTE

If any of the media keys (i.e. cash, check, or charge) are programmed for tax delete in the PGM2 mode, the tax can be deleted without using the procedures above. In this case touching a corresponding media key that has been programmed will always cause the selected tax to be deleted.

■ Tax status shift

Your POS terminal allows you to shift the programmed tax status of each department, discount, or percent key or of the PLU key by touching the **[TAX SFT1]**, **[TAX SFT2]**, **[TAX SFT3]**, and/or **[TAX SFT4]** keys before those keys are touched.
After each entry is completed, the programmed tax status of each key is resumed.

NOTE

The entry of a multi-taxable item for PST or GST will be prohibited as follows (for Canada):

In case of; Tax 1: PST, Tax 2: PST,
              Tax 3: PST, Tax 4: GST
Taxable 1 and 2 item .... prohibited
Taxable 1 and 3 item .... prohibited
Taxable 2 and 3 item .... prohibited
Taxable 1 and 4 item .... allowed
Taxable 2 and 4 item .... allowed
Taxable 3 and 4 item .... allowed

In case of; Tax 1: PST, Tax 2: PST,
              Tax 3: GST, TAX 4: GST
Taxable 1 and 2 item .... prohibited
Taxable 1 and 3 item .... allowed
Taxable 2 and 3 item .... allowed
Taxable 1 and 4 item .... allowed
Taxable 2 and 4 item .... allowed
Taxable 3 and 4 item .... prohibited

Guest Check

Your POS terminal is provided the guest lookup (GLU) system.

GLU system: The balance due and the details of the order are placed in the guest check file. The information can be automatically recalled by entering a guest check code (= a GLU code) when additional ordering occurs.

■ GLU system

New guest

For a new guest;

Procedure

For automatic GLU code generation

GLU code (max. 8 digits) → **[N.C.]** → *1 Cover count entry → *2 Table number (max. 4 digits) → **[ENTER]** → **[**Item entries**]**

→ **[SRVC]**
→ *3 **[FINAL]**
→ **[**Payment operations**]**
→ **[BILL]** → To issue the bill
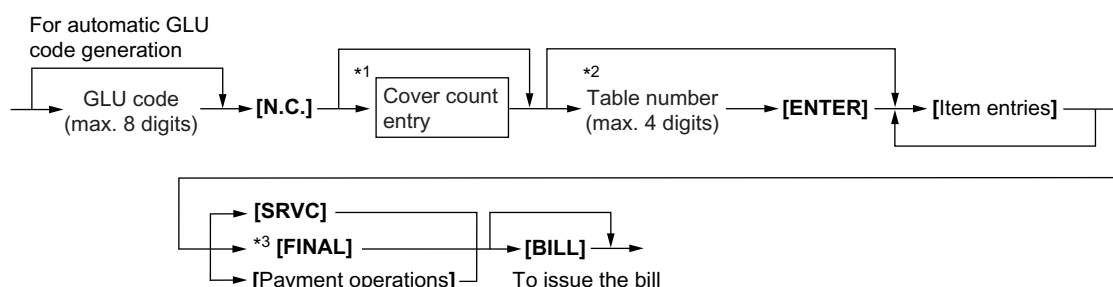
NOTE

- *The GLU code refers to a code that will be used whenever the guest check must be accessed for re-ordering or final payment.*
- *Your POS terminal can be programmed to generate GLU codes in a sequential fashion. If your POS terminal has not been programmed to do so, each GLU code can be entered manually.*
  - **1 The cover count refers to the number of people in the party. When the cover count entry is compulsory, enter the cover count (max. 2 digits) and touch the [ENTER] key. When it is non-compulsory, enter the cover count and touch the [CV CNT] key.*
  - **2 The table number indicates a table where the guest will be seated.*
  - **3 This is the optional function (Temporary finalization).*
    You can temporarily finalize a guest check by touching the [SRVC] or [FINAL] key. It is recommended to use the [SRVC] key to temporarily finalize a guest check when printing is not desired and to use the [FINAL] key when printing the current balance including tax is desired. The guest check, however, is still "open." This means you can still make additional orders to it.
- *After a payment operation is completed, a bill number is created for the closed GLU. It is printed on the receipt or journal and printed on the bill when issued. The bill number should be used to refer to the closed GLU on a sales report.*

Reorder entries

For making additional guest check entries;

Procedure

GLU code
(max. 8 digits) → **[PBAL]** → **[**Item entries**]** →
→ **[SRVC]**
→ **[FINAL]**
→ **[**Payment operations**]**
→ **[BILL]** →
To issue the bill

NOTE

*The open table can be displayed by touching the **[GLU LIST]** key.*

```
GLU LIST

  1001 / 0000 ( 0)    1 CSH.0001    02:55    $12.20      P UP
  1002 / 0000 ( 0)    1 CSH.0001    02:15     $6.60
  1003 / 0000 ( 0)    1 CSH.0001    01:13    $14.31
  1004 / 0000 ( 0)    1 CSH.0001    00:41    $16.20
  1005 / 0000 ( 0)    1 CSH.0001    00:06    $25.30




                                                         P DOWN

   ENTER        ADD         REFRESH      CANCEL
```

*To operate the reorder entries, touch a corresponding line of the GLU list and touch the **[ENTER]** key.*
*To exit from the GLU list screen, touch the **[CANCEL]** key.*
*To refresh the service time data, touch the **[REFRESH]** key.*

Settlement

Use the following procedure;

Procedure

GLU code
(max. 8 digits) → **[PBAL]** → **[**Item entries**]** → **[**Payment operations**]**
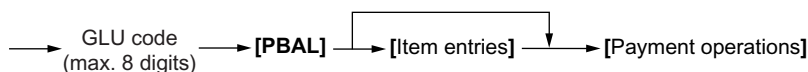
NOTE

- *You can make a tip-in entry before a tender entry. If a tip-in entry is made, the tip amount must be tendered by using the associated media key e.g. CH1 thru CH9 for the charge tip and CASH1 thru CASH9 for the cash tip.*
- *The open table can be displayed by touching the **[GLU LIST]** key.*
  *To operate the reorder or payment entries, touch a corresponding line of the GLU list and touch the **[ENTER]** key.*
  *To exit from the GLU list screen, touch the **[CANCEL]** key.*

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■ Drive-thru function

A second GLU function can be used as the drive-thru function. This system looks up drive-thru codes automatically (First In/First Out).
This drive-thru system provides two types of POS terminal functions (Order taker, cashier station).

Drive-thru screen

The drive-thru screen can be displayed by touching the **[D-DISP]** key or by finalizing the drive-thru registration (refer to PGM: FUNC.SELECTING).
When the **[HOME]** or **[CANCEL]** key is touched, the screen is changed to the ordinary screen from the drive-thru screen. The screen can also be changed to the ordinary screen by beginning the drive-thru registration with touching the **[N.C. 2]** key.

New car

For a new car, open a new drive-thru balance (the code is automatically generated).

Procedure

```
          ┌─────────────┐                              ┌──────────┐
──→ [N.C. 2] ──→ Cover count ──→ [CV CNT] ──→ [Item entries] ──→ [SRVC] ──→ [BILL] ──→
              (max. 2 digits)                    │                 │    To issue the bill
                                                 └──→ [FINAL] ──────┘
```
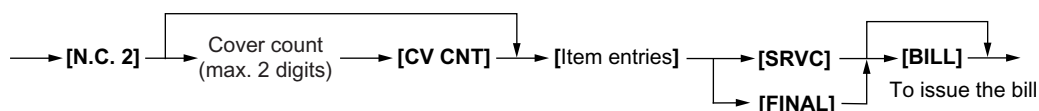
The **[FINAL]** key is used for the optional function (temporary finalization).
You can temporarily finalize a guest check by touching the **[FINAL]** key. Depending upon your terminal's programming this prints out a guest check to show the current balance, including tax. The guest check, however, is still "open." This means you can still make additional orders to it.

Reorder entries

For making additional drive-thru entries, use the following procedure:

Procedure

```
──→ [PBAL 2] ──→ [Item entries] ──→ [SRVC] ──→ [BILL] ──→
                            │                 │   To issue the bill
                            └──→ [FINAL] ──────┘
```
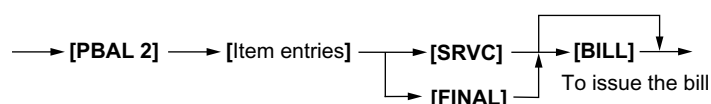
NOTE

*The drive-thru list table can be displayed by touching the **[D-T LIST]** key.*
 *To operate the reorder entries, touch a corresponding line of the drive-thru list and touch the **[ENTER]** key.*
 *To exit from the drive-thru list screen, touch the **[CANCEL]** key.*

Settlement

Use the following procedure:

⟶ **[PBAL 2]** ⟶ **[**Item entries**]** ⟶ **[**Payment operations**]**
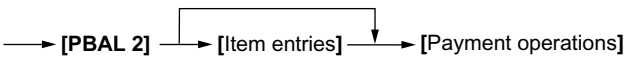
NOTE

- *After a payment operation is completed, a bill number is created for the closed drive-thru. It is printed on the receipt or journal and printed on the bill when issued. The bill number should be used to refer to the closed drive-thru on a sales report.*
- *The drive-thru list table can be displayed by touching the **[D-T LIST]** key.*
  *To operate the reorder or payment entries, touch a corresponding line of the drive-thru list and touch the **[ENTER]** key.*
  *To exit from the drive-thru list screen, touch the **[CANCEL]** key.*

■ Deposit entries

Deposit refers to a prepayment on a guest check. It can be received in cash or by check or charge 1 thru charge 9.
You can make a deposit entry only when entering a guest check. It cannot be done during handling of a tendered amount.
A received deposit can be refunded by touching the **[DEP. RF]** key. You cannot attempt to refund an amount larger than the deposit balance.

Procedure

⟶ Deposit amount (max. 7 digits) ⟶ **[DEPO]** / **[DEP. RF]** ⟶ **[CHK n]** (n: 1-9)
[CASH n] (n: 1-9)
[CH n] (n: 1-9)
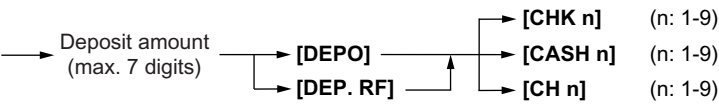
■ Bill totalizing

The bill totalizing function is used to combine multiple bills when, for example, a particular guest pays not only his or her bill, but also the bills of other guests.

Procedure

(1) To display the open table list or drive-thru list, touch the **[GLU LIST]** or **[D-T LIST]** key.

GLU LIST					
1001 / 0000 (0)	1 CSH.0001	02:55	$12.20	P UP
1002 / 0000 (0)	1 CSH.0001	02:15	$6.60	
1003 / 0000 (0)	1 CSH.0001	01:13	$14.31	
1004 / 0000 (0)	1 CSH.0001	00:41	$16.20	
1005 / 0000 (0)	1 CSH.0001	00:06	$25.30	

ENTER ADD REFRESH CANCEL P DOWN

(Open table list)

DRIVE THROUGH LIST					
10000001 / 0000 (0)	1 CSH.0001	06:52:44	$1.11	P UP
10000002 / 0000 (0)	1 CSH.0001	06:52:20	$11.20	
10000003 / 0000 (0)	1 CSH.0001	06:51:55	$15.50	
10000004 / 0000 (0)	1 CSH.0001	06:49:28	$10.20	
10000005 / 0000 (0)	1 CSH.0001	06:50:48	$13.70	

ENTER ADD REFRESH CANCEL P DOWN

(Drive-thru list)

(2) Touch the corresponding lines to select, and touch the **[ADD]** button. (Max. 10 GLUs can be combined.)
If the selected line must be released, touch the line again before touching the **[ADD]** button.
The selected GLUs are combined to the smallest number of selected GLU.

(3) Touch the **[CANCEL]** button to exit this screen.

■ Wait (Parking) a drive-thru order

The guest checks can be changed to waiting mode from the registration mode for the drive-thru function.

Procedure

(1) Touch the **[D-DISP]** key to display the drive-thru window.

(2) Touch the required guest check.

(3) Touch the **[WAIT]** key.

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■ Drive-thru order check recall

Each cashier is able to recall the guest checks of waiting mode for reorder entries, item corrections or settlement again by using the **[RECALL]** key.

Procedure

(1) Touch the **[D-DISP]** key to display the drive-thru window.

(2) Touch the **[RECALL]** key, the waiting guest list will be shown.
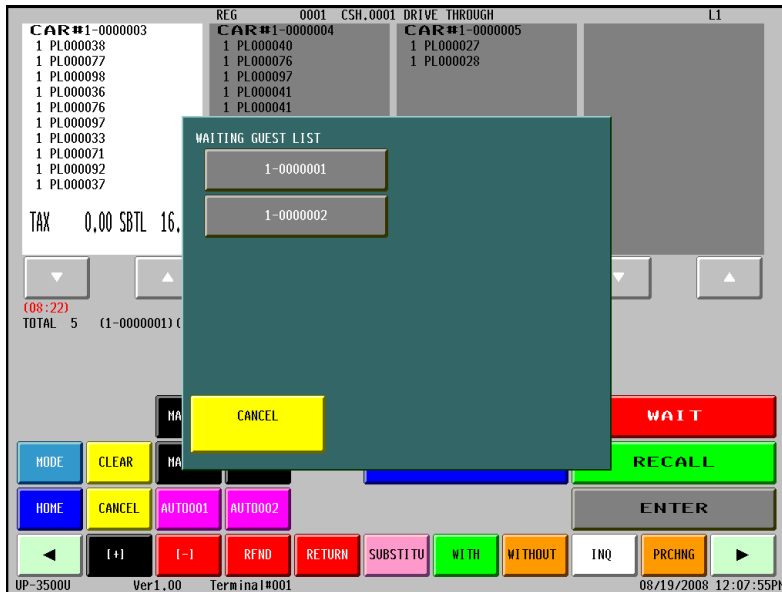
(3) Touch the required guest check number to return to the registration mode.
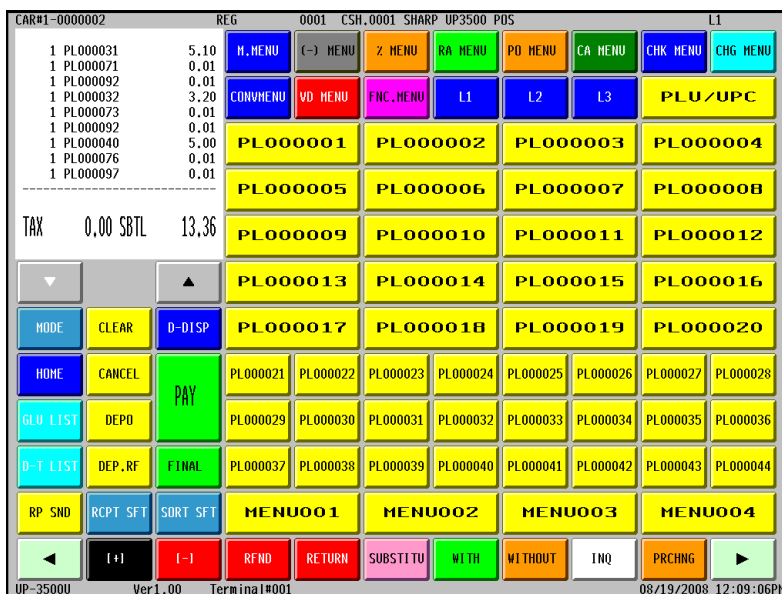
(4) Perform corresponding entry operations.

Auxiliary Entries

■ Percent calculations (% premium or % discount)

Your POS terminal provides percent calculations for a merchandise subtotal or each item entry. You need to program, in advance, for which merchandise subtotal or which item entry your POS terminal should perform a percent calculation.
For percent calculations (premium, discount, merchandise subtotal or individual), you may use the **[% *n*]** key.
Percentage: 0.01 to 100.00%

Procedure

For item entries: (Selecting the item in the receipt window) → Percent rate → **[% *n*]**
When the programmed percent rate is used, touch the **[% *n*]** key without entering the percent rate.

For the subtotal: → **[MDS ST]** → Percent rate → **[% *n*]**
When the programmed percent rate is used, touch the **[% *n*]** key without entering the percent rate.

NOTE

* *For the ST % (merchandise subtotal) entry:*
  The % entry will be allowed only when all PLUs/UPCs which are associated to the % key have been entered.
* *For the Item % entry:*
  The % entry will be allowed only for a PLU/UPC which is associated to the % key.

■ Discount entries (-)

For item discount or subtotal discount, you can use the **[(-) *n*]** key when it is allowed by the programming.

Procedure

For item entries: (Selecting the item in the receipt window) → Discount amount → **[(-) *n*]**
When the programmed discount amount is used, touch the **[(-) *n*]** key without entering the discount amount.

For the subtotal: → Discount amount → **[(-) *n*]**
When the programmed discount amount is used, touch the **[(-) *n*]** key without entering the discount amount.

NOTE

* *For the subtotal discount entry:*
  The subtotal discount entry will be allowed only when all PLUs/UPCs which are associated to the (-) key have been entered.
* *For the item discount entry:*
  The item discount entry will be allowed only for a PLU/UPC which is associated to the (-) key.

■ Group discount entries

The terminal provides the percent calculation (discount/premium) for associated group.
Percentage: 0.01 to 100.00% (programmed rate)

● Display of the group discountable subtotal

Procedure
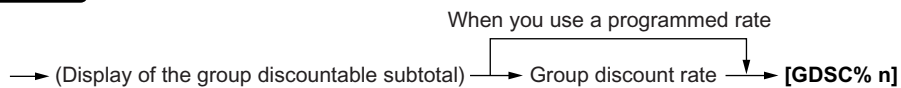
→ **[GD SFT n]** → **[SBTL]**

● Group discount entry

Procedure

When you use a programmed rate

→ (Display of the group discountable subtotal) → Group discount rate → **[GDSC% n]**

● Group discount status shift

The terminal allows you to shift the programmed group discount status of each PLU/UPC by touching the **[GD SFT n]** key before (or after) item entries. After each entry is completed, the programmed group discount status of each item is resumed.

Procedure

→ **[GD SFT n]** → (Item entry), or → (Entered item selection by cursor) → **[GD SFT n]**

NOTE

• *It is possible to perform the group discount automatically at finalization (by programmed media).*

■ Refund entries

When you perform the refund item entry, touch the **[RFND]** key and perform the item entry operation.
The terminal also allows you to perform a refund entry for selected item by cursor.

Procedure

→ **[RFND]** → (Item entry),   or   → (Entered item selection by cursor) → **[RFND]**

■ Refund sales mode

This function is used for those item refund entries relating to departments, PLUs/UPCs.
Touching the **[RF MODE]** key at the beginning of a transaction causes the register to enter the REFUND SALES mode.
All of the REFUND SALES mode entries are automatically handled as refund entries. This mode cannot be finalized by check payment entry.

■ Return entries

When you perform the return item entry, touch the **[RETURN]** key and perform the item entry operation.
The terminal also allows you to perform a return entry for selected item by cursor.

Procedure

→ **[RETURN]** → (Item entry),   or   → (Entered item selection by cursor) → **[RETURN]**

■ Printing of non-add code numbers

Enter a non-add code number such as a customer reference number and credit card number within a maximum of 16 digits and touch the **[#]** key at any point during the entry of a sale.

■ Printing of free text

You can perform the free text entry after PLUs/UPCs item entry.
Programmed free text can be printed out by entering the corresponding text code and touching the **[TEXT #]** key or by touching the corresponding direct text key (**[TEXT *n*]**).

Procedure

- **Direct key entry:**   → Q'ty → **[TEXT *n*]**
  When the q'ty is "1", it is unnecessary to enter the q'ty ("→ Q'ty →").

- **Text code entry:**   → Q'ty → **[x/TIMES]** → Text code → **[TEXT #]**
  When the q'ty is "1", it is unnecessary to enter the q'ty ("→Q'ty →**[x/TIMES]** →").

- **Text entry by the list:** → Q'ty → **[x/TIMES]** → **[TEXT #]** → Selecting the text
  When the q'ty is "1", it is unnecessary to enter the q'ty ("→Q'ty →**[x/TIMES]** →").

NOTE

- *The following window is displayed for text entry. Then key in the text, and touch the **[EXIT]** button.*
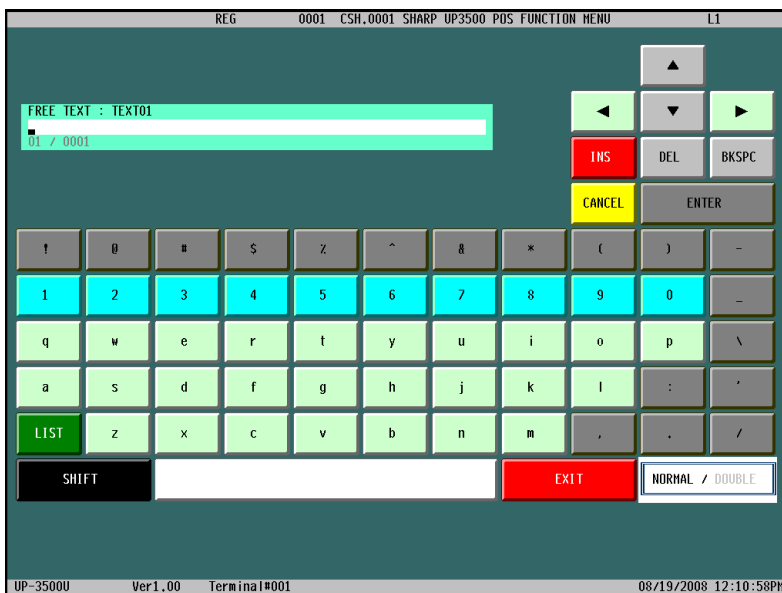
Payment Handling

■ Tip-in entries

Your POS terminal allows the entry of tips that your guests give to cashiers in cash or by credit card.
The tip entry must be done before a payment entry.
You cannot make any previous or credit balance entry after making a tip-in entry.
Two different tip-in entry systems are available: the tip amount entry system and the tip percent rate entry system. It depends on how your POS terminal has been programmed which of these systems is used.

Procedure

When you use a programmed percent rate

⟶ Tip amount ⟶ **[TIP]**, or ⟶ Tip percent rate ⟶ **[TIP]**
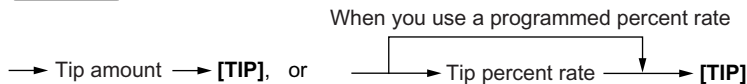
■ Tip editing

This function is used for entering tip amounts after finalizing a guest check transaction.
The bill number or the transaction number (selection by programming) which is issued when the finalization is performed in guest check entry must be used in order to identify the guest to edit for add tip amount.

Procedure

(1) Touch the **[EDIT TIP]** key. The window is displayed for entering the bill number (or transaction number) and the tip amount.

```
TIP EDIT
ENTER TRANSACTION NUMBER

┌─────────────┬───────┐
│    ENTER    │ CLEAR │
├──────┬──────┼───────┤
│  7   │  8   │  9    │
├──────┼──────┼───────┤
│  4   │  5   │  6    │
├──────┼──────┼───────┤
│  1   │  2   │  3    │
├──────┼──────┼───────┤
│  0   │  00  │ CANCEL│
└──────┴──────┴───────┘
```

(2) Enter the bill number (or the transaction number) and the tip amount.

■ Tip paid entries

This operation is used when tips that guests have paid by using credit card are paid to respective cashiers in cash. To perform the tip paid entry, enter the cashier code (assigning the cashier), then touch the **[TIP PAID]** key.

NOTE

When the tip amount remains unchanged in Individual Cashier Resetting, the tip paid function is automatically executed and a tip receipt is issued to the report printer prior to server report printing.

■ Currency conversion

Your POS terminal allows payment entries in foreign currency after sales entry or during amount tendered entry.
Touching the **[CONV1]** thru **[CONV4]** keys creates a subtotal in foreign currency. Cash alone can be handled after currency conversion.

Procedure

For direct finalization

When you use a programmed rate
⟶ **[CONV1]** thru **[CONV3]** ⟶ Amount tendered (max. 8 digits) ⟶ **[CASH1]** or **[CASH2]**

⟶ Rate ⟶ **[CONV4]** ⟶ **[CLEAR]** ⟶ For re-entry of currency conversion, next registration, or
(Rate: 0.0 to 9999.9999)   payment in domestic currency
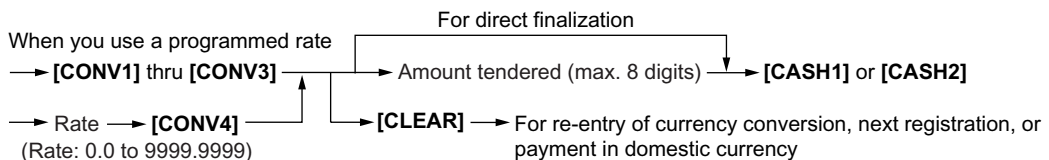
NOTE

• *The terminal also allows you to enter currency conversion from the conversion menu, touch the* **[CONVMENU]** *key and select conversion items, then touch the* **[ENTER]** *key.*
• *When the amount tendered is short, its equivalent in deficit is shown in domestic currency.*
• *Change amount will be displayed in domestic currency.*

Case of opening foreign currency drawer:
• *At the time of issuing receipt after tendering exchange amount.*
• *At the time of issuing X/Z report (included CCD)*
• *The Exchange drawer open function is executed.*
  When the **[CONV n]** *key is touched the foreign currency drawer will be opened.*

■ Received-on-account entries

The terminal is programmed either "mixed media type" or "cash only type" for the received-on-account function.

• Mixed media type

Procedure

For the next RA

→ **[RA n]** → Amount (max. 8 digits) → **[CASH n]** / **[CHK n]** / **[CH n]** → **[RA n]**

To cancel

• Menu-based entries

Procedure

For the next RA

→ **[RA MENU]** → **[**RA n from the window**]** → **[ENTER]** → Amount (max. 8 digits) → **[CASH n]** / **[CHK n]** / **[CH n]** → **[M. MENU]**

To cancel
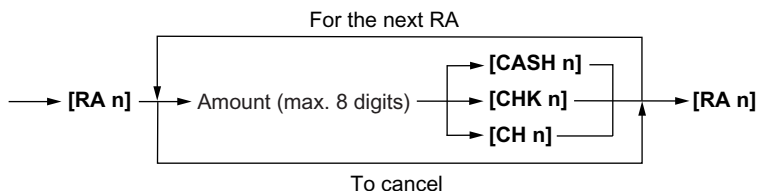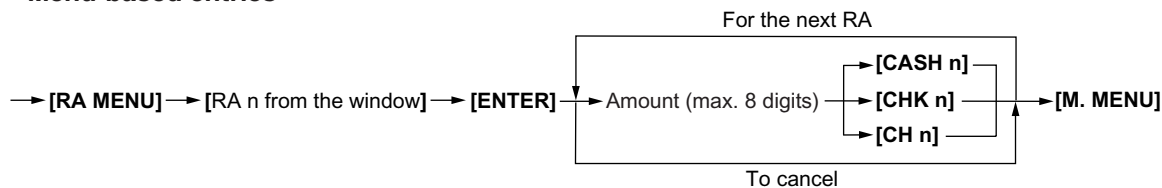
NOTE

You may also choose the RA procedure instead of the above procedure only for cash payment.
Contact your authorized SHARP dealer to change the procedure.

Procedure

• Direct key entries

→ Amount (max. 8 digits) → **[RA n]** →

• Menu-based entries

→ **[RA MENU]** → **[**RA n from the window**]** → **[ENTER]** → Amount (max. 8 digits) → **[ENTER]**

■ Paid-out entries

The terminal is programmed either "mixed media type" or "cash only type" for the paid-out function.

• **Mixed media type**

Procedure

For the next PO

→ **[PO n]** → Amount (max. 8 digits) → **[CASH n]** / **[CHK n]** / **[CH n]** → **[PO n]**

To cancel

• **Menu-based entries**

For the next PO

→ **[PO MENU]** → **[**PO n from the window**]** → **[ENTER]** → Amount (max. 8 digits) → **[CASH n]** / **[CHK n]** / **[CH n]** → **[M. MENU]**

To cancel
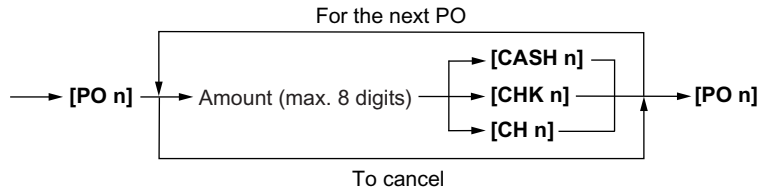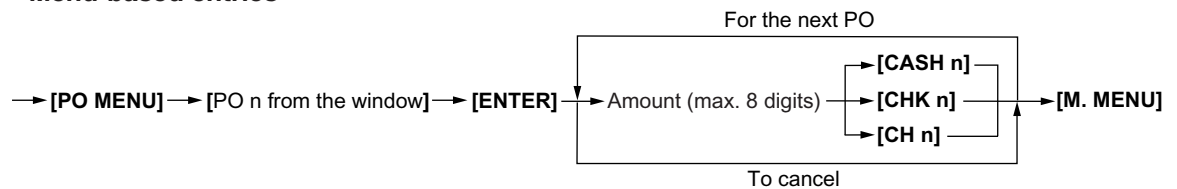
NOTE

You may also choose the PO procedure instead of the above procedure only for cash payment. Contact your authorized SHARP dealer to change the procedure.

Procedure

• **Direct key entries**

→ Amount (max. 8 digits) → **[PO n]** →

• **Menu-based entries**

→ **[PO MENU]** → **[**PO n from the window**]** → **[ENTER]** → Amount (max. 8 digits) → **[ENTER]**

■ No-sale

Simply press the **[NS]** key without any entry. The drawer will be opened and the text of no-sale will be printed. When the no-sale function is programmed to "complex key type", press the **[CASH]** key instead of the **[NS]** key.

■ Adress and name entries

It is possible to enter the address and name of guests in a transaction by using the **[ADD/NAME]** key. The entered address and name will be printed on bill.

Procedure

(1) Press the **[ADD/NAME]** key. The window will be popped up for entering the address and name. To cancel the operation, press the **[CANCEL]** key.

(2) Enter the address and name.

(3) Press the **[OK]** key to exit the operation.

■ Transferring cash

This function is used to change cash sales amount for credit or check sales amount. For example, you can use this function when your guest asks you to credit the payment or to receive payment with check after entering the payment as cash.

Procedure

→ Amount → **[CH *n*]** → **[CHK *n*]**

■ VIP sales

This function is used for transactions for the important guest who is free of charge. In this mode, the unit price is not counted and quantity and price report totalizers are not increased.

Procedure

→ **[VIPSALE *n*]** → (Item entries) →

■ Bill separating payment

The function is used when two guests will each pay a portion of the order. With this function, you can select some Items (touching required items) on the receipt window and make an entry for the payment (cash, check or charge).

Procedure

→ {Item entries or displaying the guest check} → **[Item selection (touching items)]** → **[Payment operation]** →

NOTE

After one bill separation operation, the next operation must be a payment for the remaining balance.

Employee Function

You can use the following functions by using employee codes:

■ Cashier/manager sign-on

Cashiers can be signed on by entering employee codes, or they can be signed on by using employee cards.
To use an employee card, you need a magnetic card reader (MCR). Contact your authorized SHARP dealer.

Use the following procedures:

● Cashier sign-on

When the drawer no. has been preset

→ Employee code → **[EMPL#]** → Secret code → **[ENTER]** → Drawer no. → **[ENTER]** →
(max. 10 digits)　　　　　　　(max. 8 digits)　　　　　　　(1 or 2: When the drawer no. entry is compulsory.)

→ Scanning an employee card →

● Manager sign-on

→ Employee code → **[EMPL#]** → Secret code → **[ENTER]** →
(max. 10 digits)　　　　　　　(max. 8 digits)

→ Scanning an employee card →

■ Employee's working time recording

You can manage the number of hours for which employees work.
The working time can be recorded by the following operations:

Time-in/out, break-in/out and break-in/paid operations

• Time-out, break-in or break-paid

```
→ [TIME-OUT]
→ [BREAK]
→ [BREAK PD]

Select the          →  EMPLOYEE  →  TIME-OUT
"OP X/Z" mode                        BREAK-IN       → Employee code → [ENTER] → Secret code → [ENTER]
                                     BREAK-IN/PAID  → Scanning an employee card
```

• Time-in or break-out

```
→ [TIME-OUT]
→ [BREAK]

Select the          →  EMPLOYEE  →  TIME-OUT
"OP X/Z" mode                        BREAK-IN       → Employee code → [ENTER] → Secret code → [ENTER]
                                     BREAK-IN/PAID  → Scanning an employee card

                    → Select a job location → [ENTER] →

When the default location is selected
```

Time-edit operation

A manager can edit employee's time-in/out data to record his or her time correctly.

```
Select the          →  EMPLOYEE  →  TIME EDIT  → Employee code → [ENTER] → Secret code → [ENTER]
"OP X/Z" mode                                   → Scanning an employee card

                    → Edit date → [ENTER] → Time-edit operations (Modify) → [EXIT] →
```

Supervisor Cashier

This function is used to allow a supervisor cashier to open the GLU records of a normal cashier. The supervisor cashier cannot begin transactions under their own number. When the supervisor cashier begins a transaction an ordinary cashier number will be requested and must be entered before the transaction begins. That ordinary cashier will then control the GLU.

NOTE

This function is unavailable when the "overlapped cashier entry function" is enabled.

Procedure

(1) Sign on the supervisor cashier. (The operation is same as a cashier code entry.)

(2) Enter the password (if it is required).

(3) Enter the transaction.

Overlapped Cashier Entry

This function allows you to switch from one cashier to another cashier and to interrupt the first cashier's entry, so the second cashier can do his or her entry in this mode. Interrupt handling is possible only in the overlapped cashier entry.

Procedure

(1) Sign on the cashier.
(2) Enter the password (if it is required).
(3) Make item registrations.
(4) Sign on another cashier.
(5) Enter the password (if it is required).
(6) Enter items and perform the finalization.
(7) Sign on the original cashier.
(8) Enter the password (if it is required).
(9) Continue entering transaction.

NOTE

The overlapped cashier entry is not allowed after partial payment.

TRAINING Mode

The training mode is used when the operator or the manager practices POS terminal operations.

When a cashier set as in training is selected, the POS terminal automatically enters the training mode. When a cashier not set as in training is selected, the POS terminal automatically enters the ordinary registration mode.

Training operations are valid in all modes.
A mark which identifies a training receipt is printed on receipts issued in training mode.

The journal report completely stops in the training mode. The consecutive number is not updated. The preceding number is repeated in printing.

The totalizer in cashier is updated in the training mode. Other totalizers are not updated.

The reading and resetting of training cashiers is printed on the cashier reports. However, the sales total of training cashiers is not included in the cashier total on the full cashier report.

When in training mode the word "TRAINING" is displayed in the information/status row.

Open/Close the Shift Status

The shift status can be specified for each employee. Each employee is only allowed to work during the shift.
When you open/close the shift status, perform the following procedure.

Procedure

(1) Touch the **[SHIFT]** key, the following window is displayed.

(2) Touch the required employee.
(3) To change the shift status, touch the **[OPEN]/[CLOSE]** button.
(4) To finish the operation, touch the **[EXIT]** button.

NOTE

If "auto shift open/close" is programmed, the shift status is automatically opened/closed at the programmed time.
*When the shift status is closed at cashier sign on/employee time in, the cashier sign off/employee time out is automatically executed. If the shift status is closed during any operations, the cashier sign off/employee time out is executed after finishing the operations. **(Auto shift open/close)***

Authority Level / Secret code

■ Authority level

It is possible to specify an authority level to each job function. Each employee can be assigned an authority level. The authority level can be set to any function. The employee will not be allowed to operate higher-level functions.

<Authority level>
Level code #1   (Low -level)
Level code #2
Level code #3
Level code #4
Level code #5   (High-level)

■ Secret code

When a secret code is programmed, the employee will be required to enter it to successfully sign on to the system.

NOTE

If cashier's authority level is lower than the function's authority level, the following window is displayed.

Enter the employee code and touch the [ENTER] key.

MACRO Key Entries

The MACRO key can call one or more Auto-key sets and change the register mode if needed. You can run these key sequences simply by entering the corresponding MACRO keys during key operations.

Procedure

By the direct MACRO key entries: → **[MACRO n]**   (n: 1 - 99)

NOTE

*When the **[CLEAR]** key is programmed in the key sequence for the MACRO key, the operation will stop at the **[CLEAR]** key position (**pause function**), and manual key operations can be performed. The MACRO key sequence is continued by entering same MACRO key again.*

5 Corrections

Correction of Entries

If you make an incorrect entry (relating to item entries, percent entries, amount discount entries, refund entries, return entries, manual amount tax entries, and tip entries), you can void or correct entries as follows.

Procedure

● **Voiding the entry**

(1) Select the line of designated item in the receipt window. (The selected line will be highlighted.)

```
1  PLU0001    1.00
1  PLU0002    2.00
1  PLU0003    3.00
```

(2) Press the **[-]** key.

```
1  PLU0001    1.00
1  PLU0002    2.00
```

● **Voiding the serviced entry**

(1) Select the line of designated item in the receipt window. (The selected line will be highlighted.)

```
1  PLU0001    1.00
1  PLU0002    2.00
1  PLU0003    3.00
     -----------------
1  PLU0004    4.00
```

(2) Press the **[-]** key.

```
1  PLU0001    1.00
1  PLU0002    2.00
1  PLU0003    3.00
     -----------------
1  PLU0004    4.00
-1  PLU0002 V - 2.00
```

● **Repeat the item entry**

(1) Select the line of designated item in the receipt window. (The selected line will be highlighted.)

```
1  PLU0001    1.00
1  PLU0002    2.00
1  PLU0003    3.00
```

(2) Press the **[+]** key.

```
1  PLU0001    1.00
1  PLU0002    2.00
2  PLU0003    6.00
```

● **Repeat the serviced item entry**

(1) Select the line of designated item in the receipt window. (The selected line will be highlighted.)

```
  1   PLU0001    1.00
  1   PLU0002    2.00
  1   PLU0003    3.00
      -----------------
  1   PLU0004    4.00
```

(2) Press the **[+]** key.

```
  1   PLU0001    1.00
  1   PLU0002    2.00
  1   PLU0003    3.00
      -----------------
  1   PLU0004    4.00
  1   PLU0002    2.00
```

Subtotal Void

You can void an entire transaction. Once the subtotal void is executed, the transaction is aborted and the POS terminal issues a receipt. The terminal provides two types of void functions (subtotal void for new order or additional orders, and subtotal void for the whole of guest check).

Procedure

● **Subtotal void for new order or additional order:**

(1) Make item registrations

(2) Select the subtotal line (SBTL   X.XX) in the receipt window.

(3) Touch the **[-]** key.

● **Subtotal void for the whole of guest check:**

(1) Open the guest check (and enter items).

(2) Select the subtotal line (SBTL   X.XX) in the receipt window.

(3) Touch the **[CHK VOID]** key.

(4) The message "Cancel the current transaction/check?" is displayed.
Touch the **[Yes]** button to perform the subtotal void.
Touch the **[No]** button to cancel the subtotal void.

Correction after Finalizing a Transaction (Void mode)

When you need to void incorrect entries that cashiers cannot correct (incorrect entries that are found after finalizing a transaction or cannot be corrected by subtotal void), the following procedure can be performed by an employee with the proper authority level.

Procedure

(1) Sign-on the employee with the proper authority level, then enter a password if it is required.

(2) Touch the **[VOIDMODE]** key to put your POS terminal in the VOID mode. (Note the mode indication on the display.)

(3) Repeat the entries that are recorded on the incorrect receipt. (All data on the incorrect receipt is removed from POS terminal memory; the voided amounts are added to the void mode totalizer.)

NOTE

Your POS terminal leaves the VOID mode whenever a transaction is cancelled (i.e. finalized in the VOID mode). To void additional transactions, repeat steps (2) and (3) above.
Items do not show as negative amounts but they are subtracted from all totalizers.

Override Entries

When the function cannot be entered by programmed limits (such as maximum amounts) for functions, the function can be overridden by an employee having the proper authority level.

6 Printing Function

Receipt ON/OFF

The receipt ON(printing receipt)/ OFF(no receipting) status can be toggled by touching the **[RCP.SW]** key.

→ (Receipt ON) → **[RCP.SW]** → (Receipt OFF) → **[RCP.SW]** → (Receipt ON)

Copy Receipt Printing

If your customer wants a receipt after you have finalized a transaction with the receipt ON/OFF function in the "OFF" state (no receipt print), touch the **[RCPT]** key. Your POS terminal will also print a copy receipt when the receipt ON/OFF function is in the "ON" state.

Bill Printing

The guest check sales data can be printed at a bill printer or receipt printer.

A bar-code of the bill number (or transaction number) can be printed on the bill.

Procedure

- **Bill printing on bill printer:** → **[BILL]** → (**[BILL]** : to copy bill) →

- **Bill printing on receipt printer:** → **[GC RCPT]** → (**[GC RCPT]** : to copy bill) →

Guest Check Copy

You can use this function when you want to make a copy of a guest check.
Touch the **[G.C.COPY]** key and make the desired entry.

Procedure

→ **[G.C.COPY]** → (Item entries) → (Finalization) → (**[BILL]** / **[GC RCPT]**)

NOTE

The operation is the same as normal entry. But no quantity or amount entries are totalized, validation printing is disabled and the drawer does not open.

Bill Recording / Bill Void

The bill information is recorded to the Closed Transaction File (**Bill recording**). Each record contains "bill consecutive number", "cashier number", "issued date", and "amount".

The bill record can be voided from the Closed Transaction File (**Bill void**). The voided bill number will be used on a newly issued bill to fill the bill report completely.

Procedure

→ Bill number → **[-]** → (**[BILL]** / **[GC RCPT]**)

Type of Receipt

You can select one of the following five types of receipts. These types of receipts are available for the transaction receipt. By default, the addition receipt type is selected.

- Addition receipt type
- Single/double receipt type
- Addition + single receipt type
- Double addition receipt type
- Double (addition + single) receipt type

NOTE

*You can shift the printing mode of items for the receipt by touching the **[RCPT SFT]** key before item entry (**Receipt Shift function**).*
*→ **[RCPT SFT]** (shift to addition) → Item entries → **[RCPT SFT]** (shift to single/double) → Item entries →*

■ Addition receipt type

The addition receipt is a standard type. Several items can be printed on one receipt.

Addition receipt

```
15/12/03        123456
10:27
JACK

PL000001        *1.20
PL000003        *5.00

CASH          *6.20
```

■ Single/double receipt type

When this type is selected:
- One receipt is issued and the transaction is finalized each time you enter an item.
- A single receipt or a double receipt is issued depending on the programming.
- Each sales transaction is automatically handled as a cash deal.
- Items specified as SICS or SIF are treated as a single type.
- Guest check entry is allowed.
- Only the top logo is printed on the first part of the double receipt and the single receipt.
  No logo is printed on the second part of the double receipt.

Double receipt

```
15/12/03        123456
10:50
JACK

PL000001        *1.20
```
← Perforation
```
15/12/03        123456
10:50
JACK

PL000001        *1.20
```

Single receipt

```
15/12/03        123456
10:47
JACK

PL000001        *1.20
```

■ Addition + single receipt type

When this type is selected:
- An addition receipt and each single receipt are issued in series after you finalize the transaction.
- Footer logo message is printed at the end of the addition receipt part.
- The guest check receipts and a total part of receipt are not issued in a guest check entry.
- The information on multiplication entry will be printed on a single receipt.
- Only the top logo is printed on each single receipt.


```
15/12/03        123456
10:56
JACK

PL000001         *1.20
PL000003         *5.00
CASH            *6.20
```
→ Addition receipt

- - - - - - - - - - - - - - ← Perforation

```
   YOUR RECEIPT
   THANK YOU

15/12/03        123456
10:56
JACK

PL000001         *1.20
```
→ Single receipt

- - - - - - - - - - - - - - ← Perforation

```
   YOUR RECEIPT
   THANK YOU

15/12/03        123456
10:56
JACK

PL000003         *5.00
```
→ Single receipt
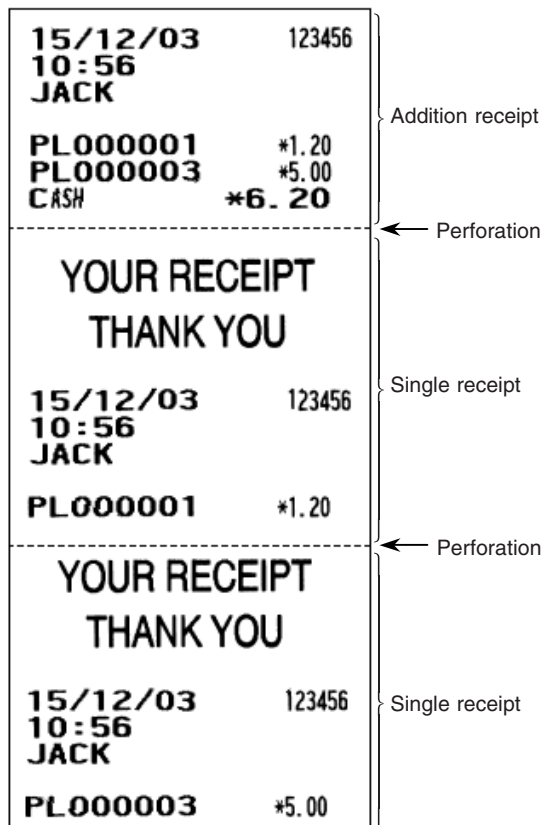
■ Double addition receipt type

The contents of this type of receipt are the same as the addition receipt type.
However, the same receipt will be issued two times.

■ Double (addition + single) receipt type

The contents of this type of receipt are the same as the (addition + single) receipt type.
However, the same receipt will be issued two times.

www.cashregisters.net

Sorted Receipt Function

When the sorted receipt function is programmed for your POS terminal, PLUs are printed in sorted form by PLU group regardless of the order that you enter items.

NOTE

The sort group number is temporarily changed by using the [SORT SFT] key (Sort Shift function).
→ Group number → [SORT SFT] → Item entry

Example

It is assumed that you enter the items in the following order:

Operation

PLU00001 : Group 0
PLU00002 : Group 1
PLU00003 : Group 2
PLU00004 : Group 1

The print format differs depending on the programmed receipt type as follows:

● **Addition receipt type**

This is printed immediately after entering the PLU of group "0". →
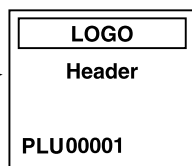
```
        LOGO
       Header


    PLU00001
```

They are printed when the transaction is finalized. →

```
        LOGO
       Header


    GROUP1 TEXT
    PLU00002
    PLU00004
```

```
        LOGO
       Header


    GROUP2 TEXT
    PLU00003
```

```
        LOGO
       Header


    GROUP0 TEXT
    PLU00001
    GROUP1 TEXT
    PLU00002
    PLU00004
    GROUP2 TEXT
    PLU00003


    CASH
        Footer
```
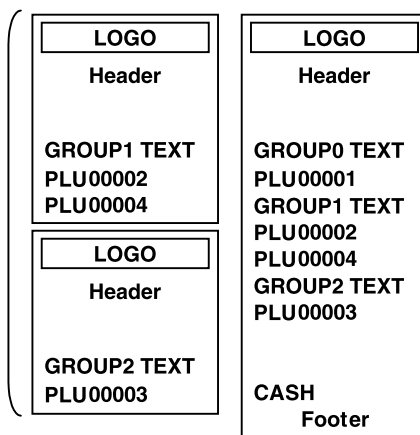
← This is printed when you touch the **[GC RCPT]** key after the transaction. (After transaction receipt)

• Addition + single receipt type

This is printed immediately after entering the PLU of group "0".
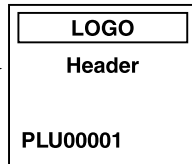
```
┌─────────────────────┐
│ ┌─────────────────┐ │
│ │      LOGO       │ │
│ └─────────────────┘ │
│      Header         │
│                     │
│                     │
│  PLU00001           │
└─────────────────────┘
```

They are printed when the transaction is finalized.

```
┌─────────────────────┐
│ ┌─────────────────┐ │
│ │      LOGO       │ │
│ └─────────────────┘ │
│      Header         │
│                     │
│  GROUP1 TEXT        │
│  PLU00002           │
│  PLU00004           │
│ .................   │
│ ┌─────────────────┐ │
│ │      LOGO       │ │
│ └─────────────────┘ │
│      Header         │
│                     │
│  PLU00002           │
│ .................   │
│ ┌─────────────────┐ │
│ │      LOGO       │ │
│ └─────────────────┘ │
│      Header         │
│                     │
│  PLU00004           │
└─────────────────────┘

┌─────────────────────┐
│ ┌─────────────────┐ │
│ │      LOGO       │ │
│ └─────────────────┘ │
│      Header         │
│                     │
│  GROUP2 TEXT        │
│  PLU00003           │
│ .................   │
│ ┌─────────────────┐ │
│ │      LOGO       │ │
│ └─────────────────┘ │
│      Header         │
│                     │
│  PLU00003           │
└─────────────────────┘
```

```
┌─────────────────────┐
│ ┌─────────────────┐ │
│ │      LOGO       │ │
│ └─────────────────┘ │
│      Header         │
│                     │
│  GROUP0 TEXT        │
│  PLU00001           │
│  GROUP1 TEXT        │
│  PLU00002           │
│  PLU00004           │
│  GROUP2 TEXT        │
│  PLU00003           │
│                     │
│                     │
│  CASH               │
│         Footer      │
└─────────────────────┘
```
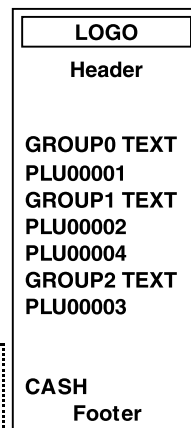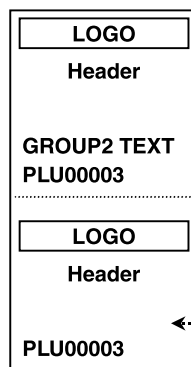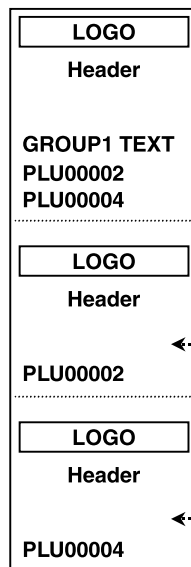
This is printed when you touch the **[GC RCPT]** key after the transaction. (After transaction receipt)

Single receipt

Kitchen Printer Send Function

This function enables a partial order to be sent to the kitchen for preparation while the remaining order is still being placed.

When the programmed kitchen printer no. is used.

⟶ (Item entry) ⟶ Kitchen printer no. (1 - 9) ⟶ **[RP SND]**
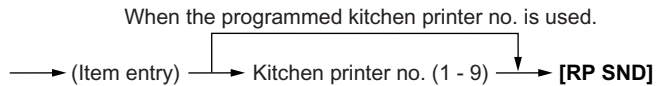
Remaining items will be sent to the remote printer when the transaction is finalized.

When this function is used, the subtotal void operation is not allowed.

Electronic Journal

This function is intended to record the journal data in electronic memory instead of journal paper. Also, this data is used instead of Transaction Log data. All transaction data and the operation log is kept in the Electronic Journal File.

Electronic Mail

When the information/status "M" is displayed, the electronic mail is received.
To display the main contents, touch the **[E-MAIL]** key.

7 Universal Product Code (UPC) or European Article Number (EAN)

■ UPC or EAN code

The following codes can be supported:
- UPC-A (Number system character: 0, 2, 3, 4)   • UPC-E
- EAN-8   • EAN-13   • Internal code EAN-8/EAN-13

For the codes used in-store marking, there are two kinds of PLU type (treated as a code like PLU no.) and Non-PLU type (price/quantity information is included in the code).
When a code is non-PLU type, the price/quantity in the code is read for sales entries (in case of quantity, "quantity multiplies preset unit price" is processed to obtain price.)

UPC-A

- Number system character: 0 <used in the source marking>
- Number system character: 3 <used as NDC or HRI>

   For entry, a full 12-digit number or 11-digit number (omitting the check digits) must be entered.

- Number system character: 2 <In-store marking Non-PLU type>

- Number system character: 4 <In-store marking PLU type>

   For entry, a full 12-digit number, 11-digit number (omitting the check digit), or a leading zero plus 12-digit number must be entered. (Any numbers are allowed for the digits marked with *, and on the receipt/journal, non-PLU type code is printed like 2020008✳✳✳✳ (✳✳✳✳: price information).)
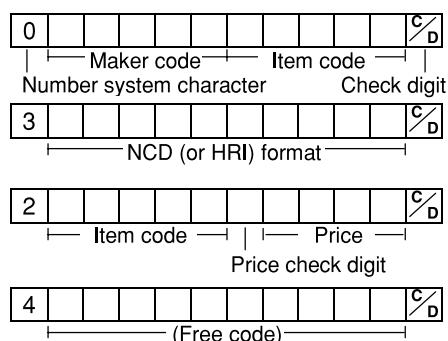
UPC-E

- UPC-E is a zero-suppressed version of UPC-A that conforms to the UPC-E Standards. This code is used for marking small packages.
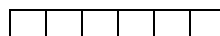
   For entry, a 6-digit number or a leading zero plus 6-digit number must be entered.

EAN 8

- Ordinary EAN-8 code (flag: neither 0 nor 2) <used in the source marking>

   For entry, a full 8-digit number must be entered.

- Internal code (flag 2) <in-store marking Non-PLU short type>

- Internal code (flag 0) <in-store marking PLU short type>

   For entry, a full 8-digit number must be entered. On the receipt/journal, non-PLU type code is printed like 208✳✳✳✳ (✳✳✳✳: price/quantity information)
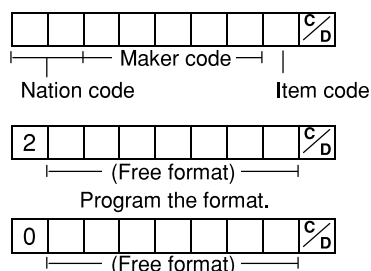
EAN-13

- Ordinary EAN-13 code (used in the source marking)
- Specific EAN-13 code (flag 977, 978, 979) (used in the source marking: ISBM, ISSN)

  For entry, you must enter the full 13-digit number.

- Internal code (used in the in-store marking, the flag character number: 20 thru 29 and 02)

C/D

Nation code ⊢ Maker code ⊣ Item code

C/D

⊢ Flag ⊣ (Free format)
02, 20-29   Program the format.
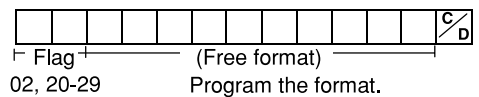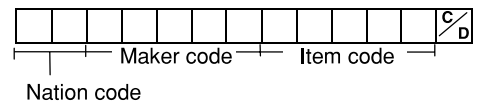
■ Customer code

EAN-13 code (free format or established format) is used for the customer code.

(Free format : 13 digits)

| 0 | 8 | | | | | | | | | | | C/D |

(10 digits)
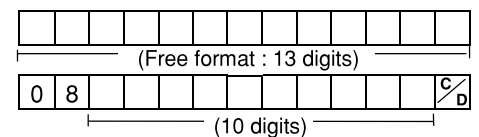
■ Bar-code of the bill

EAN-13 code is used for the bill number.

| 0 | 0 | 0 | 0 | | | | | | | | | C/D |

(8 digits)
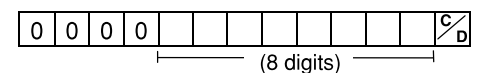
■ Bar-code of the key

UPC-A (number system character = 9) code is used for the key.

For the function key:

| 9 | 0 | 0 | 0 | 0 | | | | | | | C/D |

Key code

For the character key:

| 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | C/D |

Character code

For the auto key:

| 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | C/D |

Auto key number
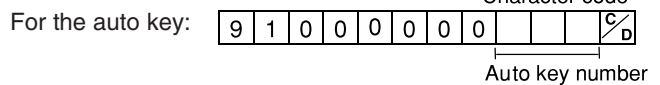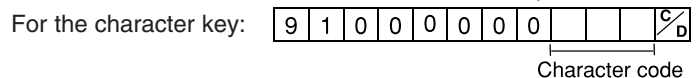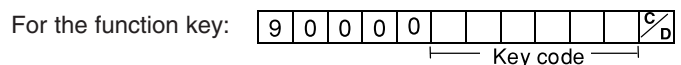
8 Reading (X) and Resetting (Z) of Sales Totals

- Use the reading function (X) when you need to take a reading of sales information entered after the last reset. You can take this reading any number of times. It does not affect the POS terminal's stored transactions.
- Use the reset function (Z) when you need to clear the POS terminal's stored transactions. Resetting prints all sales information and clears the entire memory except for the GT1 thru GT3, reset count, and consecutive number.

■ How to take a reading (X1, X2, X3, X4 or OPX) or resetting (Z1, Z2, Z3, Z4 or OPZ) report

[To take a reading (X1, X2, X3, or X4) report]

1. Select "X1", "X2", "X3", or "X4" MODE in the mode menu window to display the report list.
2. Select a report from the table shown on the next page.
3. If needed, enter corresponding values described in the "Data to be entered" column on the table shown later.
4. Select a device ("DISPLAY" or "REPORT PRINTER") to receive the output.

[To take a resetting (Z1, Z2, Z3, or Z4) report]

1. Select "Z1", "Z2", "Z3", or "Z4" MODE in the mode menu window to display the report list.
2. Select a report from the table shown on the next page.
3. If needed, enter corresponding values described in the "Data to be entered" column on the table shown later.
4. Select a device ("DISPLAY" or "REPORT PRINTER") to receive the output.
   The message "ARE YOU SURE ?" will appear. Take one of the following actions:
   - Select "YES" to take a resetting (Z1, Z2, Z3, or Z4) report.
   - Select "NO" to cancel the generation of a resetting (Z1, Z2, Z3, or Z4) report.

[To take a reading (OPX) report]

1. Select "OPXZ" MODE in the mode selection window to operate the report.
2. Enter the corresponding cashier code.
3. Select a report from the table shown on the next page.
4. If needed, enter corresponding values described in the "Data to be entered" column on the table shown later.
5. Select a device ("DISPLAY" or "REPORT PRINTER") to receive the output.

[To take a resetting (OPZ) report]

1. Select "OPXZ" MODE in the mode selection window to operate the report.
2. Enter the corresponding cashier code.
3. Select a report from the table shown on the next page.
4. If needed, enter corresponding values described in the "Data to be entered" column on the table shown later.
5. Select a device ("DISPLAY" or "REPORT PRINTER") to receive the output.
   The message "ARE YOU SURE ?" will appear. Take one of the following actions:
   - Select "YES" to take a resetting (OPZ) report.
   - Select "NO" to cancel the generation of a resetting (OPZ) report.

NOTE

When a secret code has been set for the corresponding report, enter the secret code and touch the **[ENTER]** *key.*

◼ Report list

Item	Description	Available report type in each mode					Data to be entered/ (Remarks)
		OPX/Z	X1/Z1	X2/Z2	X3/Z3	X4/Z4	
[Revenue Center]	[REVENUE CENTER]						
Department Group	REVENUE DEPARTMENT GROUP		X1/Z1	X2/Z2	X3/Z3	X4/Z4	
GT + Transaction	REVENUE TRANSACTION		X1/Z1	X2/Z2	X3/Z3	X4/Z4	(Revenue center by terminal)
GT + TAX	REVENUE TRANSACTION		X1/Z1	X2/Z2	X3/Z3	X4/Z4	(Revenue center by dept. group)
Sales comparison (% share) report (Net 1, Net 2, Net 3)	SALES COMPARISON		X1	X2	X3	X4	
Department Group comparison by Revenue Center	DEPARTMENT GROUP COMPARISON		X1	X2	X3	X4	
Discounts by Revenue Center	DISCOUNT BY REVENUE		X1	X2	X3	X4	
Media Type by Revenue Center	MEDIA TYPE BY REVENUE		X1	X2	X3	X4	(Revenue center by terminal)
Taxes by Revenue Center	TAX BY REVENUE		X1	X2	X3	X4	
Hourly reports	HOURLY BY REVENUE		X1/Z1				
Daily summary	DAILY SUMMARY BY REVENUE			X2/Z2			
[Shift (CASHIER)]	[SHIFT (CASHIER)]						
All Cashier reports	ALL CASHIER		X1/Z1	X2/Z2	X3/Z3	X4/Z4	
Individual Cashier reports	INDIVIDUAL CASHIER	X/Z	X1/Z1	X2/Z2	X3/Z3	X4/Z4	Cashier code
All Daily Deposit report (Total)	ALL DAILY DEPOSIT		X1/Z1				
Individual Deposit report	INDIVIDUAL DEPOSIT	X	X1/Z1				Cashier code
Cashier Summary report (Net, Tax)	CASHIER SUMMARY	X	X1/Z1				Cashier code
CID	CID	X	X1/Z1				
TAX	TAX	X	X1/Z1				
SCM	SCM	X	X1/Z1				
[Sales]	[SALES]						
Department Group report	DEPARTMENT GROUP		X1/Z1	X2/Z2	X3/Z3	X4/Z4	
Department report	DEPARTMENT		X1/Z1	X2/Z2	X3/Z3	X4/Z4	
PLU report	PLU/UPC		X1/Z1	X2/Z2	X3/Z3	X4/Z4	PLU code range
PLU by Dept (Includes % of Dept. Total Sales)	PLU/UPC BY DEPARTMENT		X1/Z1	X2/Z2	X3/Z3	X4/Z4	Dept. code
PLU Watch List	PLU/UPC WATCH LIST		X1/Z1	X2/Z2	X3/Z3	X4/Z4	Pick up
Theoretical Food Cost% (Based on PLU item cost setting vs Sales)	THEORETICAL FOOD COST%		X1	X2	X3	X4	PLU code range
DEPT Group Projection	DEPARTMENT GROUP PROJECTION			X2/Z2			

| Item | Description | Available report type in each mode | | | | | Data to be entered/ |
		OPX/Z	X1/Z1	X2/Z2	X3/Z3	X4/Z4	(Remarks)
Piece count report	PIECE COUNT		X1/Z1	X2/Z2	X3/Z3	X4/Z4	PLU code range
Transaction report	TRANSACTION		X1/Z1	X2/Z2	X3/Z3	X4/Z4	
Daily summary	DAILY SUMMARY			X2/Z2			
Dynamic UPC report	DYNAMIC UPC		X1/Z1	X2/Z2	X3/Z3	X4/Z4	Code range
Dynamic UPC by Dept	DYNAMIC UPC BY DEPARTMENT		X1/Z1	X2/Z2	X3/Z3	X4/Z4	Dept. code
Dynamic UPC Watch List	DYNAMIC UPC WATCH LIST		X1/Z1	X2/Z2	X3/Z3	X4/Z4	Pick up
Non accessed UPC	NON ACCESSED UPC		X1/Z1				
Dynamic UPC Clear	DYNAMIC UPC CLEAR		Z1				Code range
Dynamic UPC Clear by Dept	DYNAMIC UPC CLEAR BY DEPT.		Z1				Dept. code
[Hourly]	[HOURLY]						
Hourly (Sales) reports	HOURLY		X1/Z1				All/Range (X only)
DEPT Gr. Hourly	DEPARTMENT GROUP HOURLY		X1/Z1				
Car # hourly report	CAR # HOURLY		X1/Z1				
[Coupon/Discounts]	[COUPON/DISCOUNTS]						
Coupon/Discount TOTAL	COUPON/DISCOUNT TOTAL	X	X1	X2	X3	X4	Cashier code
Coupon/Discount by Department	COUPON/DISCOUNT BY DEPARTMENT		X1	X2	X3	X4	Dept. code
Coupon Report	COUPON		X1/Z1	X2/Z2	X3/Z3	X4/Z4	Coupon code range
[GLU/Drive Thru]	[GLU/DRIVE THRU]						
Open GLU report	OPEN GLU		X1/Z1				GLU range
Open GLU by Cashier	OPEN GLU BY CASHIER	X/Z	X1/Z1				Cashier code
Closed CHECK (GLU, Normal)	CLOSED CHECK		X1/Z1				Closed GLU
Closed CHECK (GLU, Normal) by Cashier	CLOSED CHECK BY CASHIER	X/Z	X1/Z1				Cashier code
Drive Thru	DRIVE THRU		X1/Z1				Drive-thru range
Drive Thru by Cashier	DRIVE THRU BY CASHIER	X/Z	X1/Z1				Cashier code
Closed Drive Thru	CLOSED DRIVE THRU		X1/Z1				Closed drive-thru range
Closed Drive Thru by Cashier	CLOSED DRIVE THRU BY CASHIER	X/Z	X1/Z1				Cashier code
Service Time Report	SERVICE TIME		X1/Z1				
[EJ report viewer]	[EJ REPORT VIEWER]						
EJ Report	ELECTRONIC JOURNAL		X1/Z1				Date/consecutive no./ cashier/void threshold/ refund threshold/return threshold/media threshold/tender amount/coupon/ no-sale/$0.00 sale/ drawer open/SD select

| Item | Description | Available report type in each mode | | | | | Data to be entered/ (Remarks) |
		OPX/Z	X1/Z1	X2/Z2	X3/Z3	X4/Z4	
[Employee]	[EMPLOYEE]						
ALL Employee TEFRA report	ALL EMPLOYEE TEFRA		X1	X2	X3	X4	Employee range
Ind. Employee TEFRA report	INDIVIDUAL EMPLOYEE TEFRA	X					
Tefra by Employee LIST report	TEFRA BY EMPLOYEE LIST		X1	X2	X3	X4	Employee list
TEFRA summary	TEFRA SUMMARY		X1	X2	X3	X4	Employee range
Employee report	EMPLOYEE		X1	X2/Z2			Employee range
Employee Summary report	EMPLOYEE SUMMARY			X2/Z2			Employee range
Pay Period report	PAY PERIOD			X2/Z2			Employee range
Pay Period Summary report	PAY PERIOD SUMMARY			X2/Z2			Employee range
Employee Over Time report	EMPLOYEE OVER TIME		X1	X2/Z2			Employee range
Labor Cost % Report	LABOR COST%		X1				
Daily Labor Cost% report	DAILY LABOR COST%			X2			
Employee Time Calculation report	EMPLOYEE TIME CALCULATION			X2			Employee range
Employee Time Adjustment report	EMPLOYEE TIME ADJUSTMENT			X2			Employee range
Employee Active Status report	EMPLOYEE ACTIVE STATUS		X1				Employee range
[Others]	[OTHERS]						
Key Capture Data	KEY CAPTURE DATA		X1				
[Stacked report]	[STACKED REPORT]						
Stacked report 1	STACKED REPORT 1		X1/Z1	X2/Z2	X3/Z3	X4/Z4	
Stacked report 2	STACKED REPORT 2		X1/Z1	X2/Z2	X3/Z3	X4/Z4	

■ Compulsory cash/check declaration

If your POS terminal has been programmed for compulsory cash/check declaration, you must declare the cash/check value in the drawer in advance according to the type of declaration specified for when you take cashier Z reports.

Use the following procedure for this declaration.

Types of compulsory cash/check declaration
- Compulsive when individual cashier resetting is taken
- Compulsive when full cashier resetting is taken

NOTE

Compulsory cash/check declaration is available in the above two types. You can choose either of these. This function is typically combined with Starting Cash Memory operations.

Procedure

(1) When CCD entry is compulsory, the following window is displayed for declaring the cash/check value in the drawer.
Select an item from the CCD media list to perform CCD entry.

(2) Enter the cash/check value in the drawer.

When an incorrect entry is made, select the designated cell and make a correct entry or void operation with the **[-]** key.

For cash:

- Select the money type by touching item or using the **[ENTER]** key.
- Enter quantities of money and touch the **[ENTER]** key.
- To terminate the entry, touch the **[OK]** key.
- To void an incorrect entry, select the money type and enter correct quantities and touch the **[ENTER]** key.

For check:

- Enter quantities of check and touch the **[ENTER]** key.
- Enter amount of check and touch the **[ENTER]** key.
- To void an incorrect entry, enter quantities and amount and touch the **[-]** key.

NOTE *For the currency conversion type, coupon type or vender coupon UPC type are the same as the check type.*

9 Programming

This chapter explains how to program various items. Before you start programming, select the PGM1 or PGM2 mode from the mode selection window depending on the item you are going to program.

Programming Menu Processing

The programming menu processing is shown below tables.

■ OPXZ mode

3 GLU# ASSIGN

■ PGM1 mode

1 POS READING				
	1 PLU/UPC			
	2 DYNAMIC UPC			
	3 COUPON PLU			
	4 CASHIER			
	5 FUNCTION			
	6 PRINTERS			
2 POS SETTING				
	1 SALES ITEMS			
		1 PLU/UPC		
		2 COUPON PLU		
		3 DYNAMIC UPC		
	2 WORK FORCE			
		1 CASHIER		
	3 POS FUNCTIONS			
		1 SALE/ITEM COUPONS		
		2 SALE/ITEM DISCOUNTS		
		3 GROUP DISCOUNTS		
		4 TIP		
	4 PRINTERS			
		1 RECEIPT PRINTER		
		2 JOURNAL PRINTER		
		3 BILL PRINTER		
		4 REPORT PRINTER		
		5 KP#1		
		6 KP#2		
		7 KP#3		
		8 KP#4		
		9 KP#5		
		10 KP#6		
		11 KP#7		
		12 KP#8		
		13 KP#9		
		14 CHIT FORMAT		

■ PGM2 mode

1 POS READING				
	1 DEPARTMENT			
		1 DEPARTMENT		
		2 DEPT GR. REVENUE		
	2 ITEM SETUP			
		1 PLU/UPC		
		2 MODIFIER PLU		
		3 COUPON PLU		
		4 RECIPE TEXT		
		5 DYNAMIC UPC		
		6 UPC OTHER		
	3 TABLES			
		1 CONDIMENT TABLES		
		2 COMBO MEAL TABLES		
		3 LINK PLU/UPC TABLES		
		4 SET PLU TABLES		
		5 MIX&MATCH TABLES		
		6 SCALE TABLES		
	4 WORK FORCE			
		1 CASHIER		
		2 EMPLOYEE		
		3 JOB LOCATIONS		
		4 LABOR COST		
		5 AUTHORITY		
	5 KEYBOARD FUNCTIONS			
		1 PLU MENU KEYS		
		2 FUNCTION MENU KEYS		
		3 DIRECT KEYS		
		4 MACRO KEYS		
		5 CAPTURE KEYS		
		6 CAPTURE JOB#		
		7 FUNCTION KEYS		
	6 POS FUNCTIONS			
		1 TAX		
		2 MEDIA		
		3 CONVERSION RATES		
		4 FUNCTIONS		
		5 NEGATIVE#		
		6 POSITIVE#		

(1 POS READING)	7 TERMINAL			
		1 REPORTS		
		2 MAINTENANCE		
		3 TERMINAL		
		4 OPTIONAL SETTINGS		
		5 GLU/D-THRU CODE		
	8 TEXT EDITOR			
		1 REVENUE CENTER TEXT		
		2 FUNCTION TEXT		
		3 LOGO TEXT		
		4 SORT GROUP TEXT		
	9 SYSTEM			
		1 PRINTERS		
		2 DEVICE CONFIGURATIONS		
		3 EPAY DEVICE PRESET		
		4 CVM PRESET		
		5 OCB PRESET		
		6 CCTV PRESET		
		7 ONLINE PRESET		
		8 MWS PRESET		
	10 AUTO KEYS			
2 POS SETTING				
	1 DEPARTMENT			
		1 DEPARTMENT		
		2 DEPT GR. REVENUE		
	2 ITEM SETUP			
		1 PLU/UPC		
			1 INDIVIDUAL PLU/UPC	
			2 RANGE PLU	
			3 PREP ASSIGNMENT	
			4 RANGE PREP ASSIGNMENT	
			5 CVM ROUTING	
			6 RANGE CVM ROUTING	
		2 MODIFIER PLU		
		3 COUPON PLU		
		4 RECIPE TEXT		
		5 DYNAMIC UPC		
		6 UPC NON-PLU		
		7 UPC DELETE		

(2 POS SETTING)	3 TABLES			
		1 CONDIMENT TABLES		
		2 COMBO MEAL TABLES		
		3 LINK PLU/UPC TABLES		
		4 SET PLU TABLES		
		5 MIX&MATCH TABLES		
		6 SCALE TABLES		
	4 WORK FORCE			
		1 CASHIER		
		2 EMPLOYEE		
			1 EMPLOYEE ID	
			2 JOB LOCATION TABLES	
		3 LABOR COST		
		4 CASHIER KEY		
			1 CONTACT LESS KEY	
			2 CASHIER KEY MAINTENANCE	
		5 AUTHORITY		
	5 KEYBOARD FUNCTIONS			
		1 PLU MENU KEYS		
		2 FUNCTION MENU KEYS		
		3 DIRECT KEYS		
		4 MACRO KEYS		
		5 CAPTURE KEYS		
		6 CAPTURE JOB#		
		7 FUNCTION KEYS		
	6 POS FUNCTIONS			
		1 TAX		
			1 TAX1 RATE	
			2 TAX2 RATE	
			3 TAX3 RATE	
			4 TAX4 RATE	
			5 TAX5 RATE	
			6 TAX6 RATE	
			7 TAX7 RATE	
			8 TAX8 RATE	
			9 TAX9 RATE	
			10 TAX10 RATE	
			11 TAX11 RATE	
			12 TAX12 RATE	
			13 TAX13 RATE	
			14 TAX14 RATE	
			15 TAX15 RATE	
			16 TAX16 RATE	

(2 POS SETTING)				
			17 TAX17 RATE	
			18 TAX18 RATE	
			19 TAX19 RATE	
			20 TAX20 RATE	
			21 DOUGHNUT EXEMPT	
			22 BAKED FOOD EXEMPT	
			23 MANUAL TAX	
			24 TAX DELETE	
		2 MEDIA		
			1 CASH KEYS	
			2 CHECK KEYS	
			3 CHARGE KEYS	
			4 EAT-IN KEYS	
			5 SERVICE KEY	
			6 FINAL KEY	
			7 CHANGE POLICY	
		3 CONVERSION RATES		
			1 CONVERSION RATES	
			2 MONEY	
		4 FUNCTIONS		
			1 SALE/ITEM COUPONS	
			2 SALE/ITEM DISCOUNTS	
			3 GROUP DISCOUNTS	
			4 VENDER COUPON UPC	
			5 TIP	
			6 RA FUNCTIONS	
			7 PO FUNCTIONS	
			8 NO SALE	
			9 VOIDS	
				1 DIRECT VOID
				2 INDIRECT VOID
				3 PRINTED VOID
				4 SUBTOTAL VOID
				5 CHECK VOID
			10 REFUND	
				1 REFUND
				2 RETURN
			11 NON ADD CODE	
			12 FREE TEXT	
		5 NEGATIVE#		
		6 POSITIVE#		
	7 TERMINAL			
		1 REPORTS		
			1 ZERO SKIP	
			2 REPORT PRINT OPTIONS	
			3 DEPT GR. PROJECTION	

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(2 POS SETTING)			4 HOURLY REPORT	
			5 STACKED REPORT	
			6 TEFRA RATE	
		2 MAINTENANCE		
			1 MAINTENANCE DATA CREATE	
			2 MAINTENANCE DATA D/L	
			3 D-UPC DOWNLOAD	
			4 SYSTEM BACKUP	
			5 SYSTEM RESTORE	
		3 TERMINAL		
			1 MACHINE#	
			2 CONSECUTIVE#	
			3 TILL TIMER	
			4 SCREEN SETUP	
			5 BILL NUMBER	
			6 CONDIMENT IGNORE	
			7 DATE AND TIME	
			8 GLU CODE BY TERMINAL	
			9 DRIVE THRU BY TERMINAL	
			10 REVENUE BY TERMINAL	
			11 REPORT BY TERMINAL	
		4 OPTIONAL SETTINGS		
			1 FUNCTION SELECTIONS	
			2 PRINTING OPTIONS	
			3 EXPAND FUNCTION	
		5 AUTHORITY SETUP		
			1 Z1 MODE	
			2 PGM2 MODE	
			3 SYS Z1 MODE	
			4 SYS PGM2 MODE	
			5 INITIAL D/L	
			6 MAINTENANCE D/L	
			7 E-PAYMENT	
		6 GLU/D-THRU SETTINGS		
			1 GLU RANGE	
			2 D-THRU RANGE	
	8 TEXT EDITOR			
		1 REVENUE CTR TEXT		
		2 FUNCTION TEXT		
		3 LOGO TEXT		
			1 HEADER LOGO	
			2 FOOTER LOGO	

(2 POS SETTING)			3 BILL LOGO		
				1 BILL HEADER	
				2 BILL FOOTER	
			4 EAT IN LOGO		
		4 SORT GROUP TEXT			
	9 SYSTEM				
		1 PRINTERS			
			1 RECEIPT PRINTER		
			2 JOURNAL PRINTER		
			3 BILL PRINTER		
			4 REPORT PRINTER		
			5 KP#1		
			6 KP#2		
			7 KP#3		
			8 KP#4		
			9 KP#5		
			10 KP#6		
			11 KP#7		
			12 KP#8		
			13 KP#9		
			14 CHIT FORMAT		
		2 DEVICE CONFIGURATIONS			
			1 BAR CODE SCANNER		
			2 COIN DISPENSER		
			3 SCALE		
		3 EPAY DEVICE PRESET			
			1 TYPE#1		
			2 TYPE#2		
			3 TYPE#3		
			4 PIN PAD		
			5 IC CARD		
			6 ACCOUNT BALANCE I/F		
			7 CARD READER		
		4 CVM PRESET			
		5 OCB PRESET			
		6 CCTV PRESET			
		7 ONLINE PRESET			
		8 MWS PRESET			
	10 DATA CLEAR				
		1 CAPTURE DATA			
		2 OFFLINE ACCT			
		3 T-LOG			
		4 ELECTRONIC JOURNAL			
3 AUTO KEY					

How to Program Alphanumeric Characters

When you program alphanumeric characters, the character keyboard will be displayed as shown below.

```
              REG      0001  CSH.0001 SHARP UP3500 POS FUNCTION MENU        L1

                                                        ▲

  FREE TEXT : TEXT01                              ◄      ▼      ►
  ■
  01 / 0001                                       INS    DEL    BKSPC

                                               CANCEL      ENTER

  !    @    #    $    %    ^    &    *    (    )    -

  1    2    3    4    5    6    7    8    9    0    _

  q    w    e    r    t    y    u    i    o    p    \

  a    s    d    f    g    h    j    k    l    :    '

  LIST  z   x    c    v    b    n    m    ,    .    /

  SHIFT                              EXIT    NORMAL / DOUBLE

  UP-3500U      Ver1.00   Terminal#001              08/19/2008 11:30:00AM
```
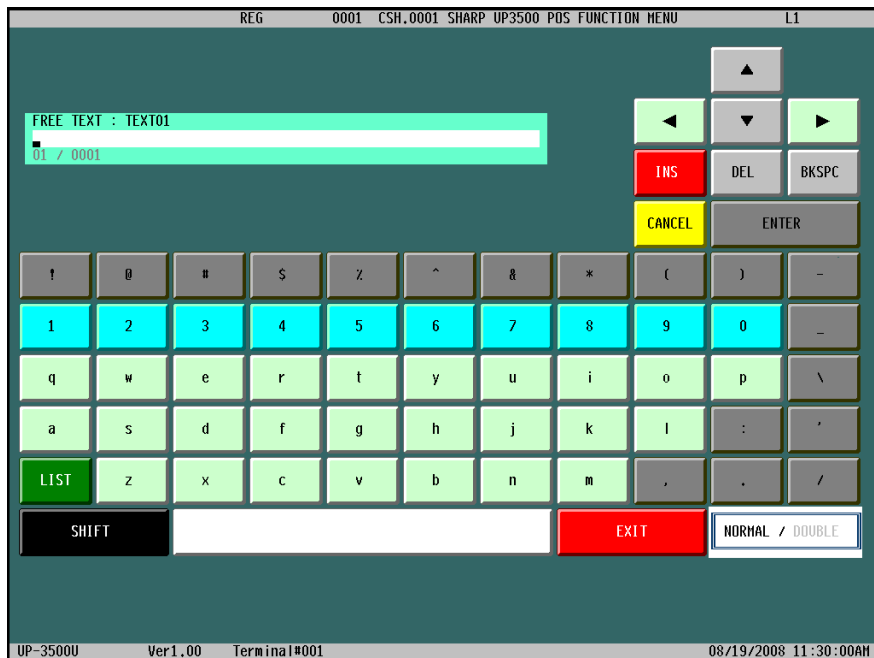
[BKSPC]	**:** Backs up the cursor for deleting the character or figure at the left of the cursor.
[SHIFT]	**:** You can enter an upper-case letter by using this key. Touch this key just before you enter the upper-case letter. You should touch this key each time you enter an upper-case letter.
[LIST]	**:** Used to change the page of characters.
[CANCEL]	**:** Used to cancel programming and to get back to the previous screen.
[EXIT]	**:** Used to finalize programming.
[NORMAL/DOUBLE]	**:** Used to change the normal size or double size.
[INS]	**:** Used to switch the insert/over-write mode.
[DEL]	**:** Used to delete the character or figure at the cursor position.
[◄]	**:** Used to control the cursor (left)
[►]	**:** Used to control the cursor (right)
[▼]	**:** Used to control the cursor (down)
[▲]	**:** Used to control the cursor (up)

Character code:

Code range	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+10	+11	+12	+13	+14	+15
032 - 047		!	"	#	$	%	&	'	(	)	*	+	,	–	.	/
048 - 063	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
064 - 079	@	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
080 - 095	P	Q	R	S	T	U	V	W	X	Y	Z	[	\	]	^	_
096 - 111	`	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
112 - 127	p	q	r	s	t	u	v	w	x	y	z	{	|	}	~	⌂
128 - 143	Ç	ü	é	â	ä	à	å	ç	ê	ë	è	ï	î	ì	Ä	Å
144 - 159	É	æ	Æ	ô	ö	ò	û	ù	ÿ	Ö	Ü	¢	£	¥	₧	ƒ
160 - 175	á	í	ó	ú	ñ	Ñ	ª	º	¿	⌐	¬	½	¼	¡	«	»
176 - 191	░	▒	▓	│	┤	╡	╢	╖	╕	╣	║	╗	╝	╜	╛	┐
192 - 207	└	┴	┬	├	─	┼	╞	╟	╚	╔	╩	╦	╠	═	╬	╧
208 - 223	╨	╤	╥	╙	╘	╒	╓	╫	╪	┘	┌	█	▄	▌	▐	▀
224 - 239	α	ß	Γ	π	Σ	σ	µ	τ	Φ	Θ	Ω	δ	∞	φ	ε	∩

Basic Instructions

This section illustrates the basic programming by using an example of programming for departments.
(■ **Department** (1 DEPARTMENT → 1 **DEPARTMENT** .... PGM2))

■ **Programming example**

Procedure

(1) Select the PGM2 mode in the mode window. The following window is displayed.
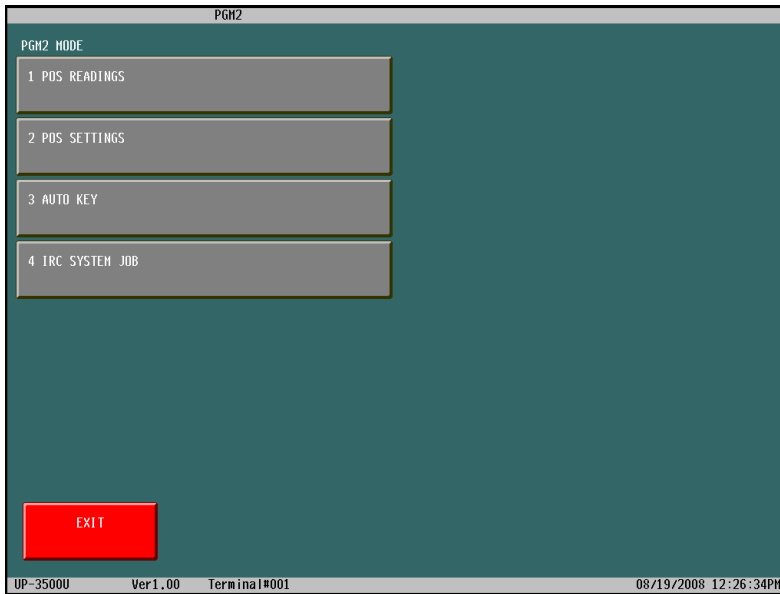
(2) Touch the **[2 POS SETTING]** button to perform the programming. The following window is displayed.
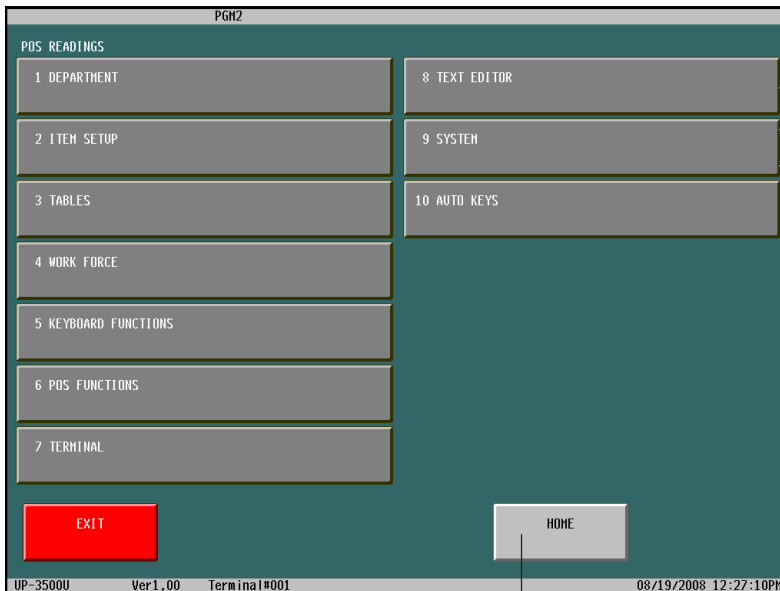
To return to the home screen of programming

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(3) Touch the **[1 DEPARTMENT]** button to program the department, and select the desired department and touch the **[ENTER]** key.

P UP	P DOWN	

	DELETE
01 DPT.01	
02 DPT.02	BKSPC / CLEAR
03 DPT.03	7 8 9
04 DPT.04	4 5 6
05 DPT.05	1 2 3
06 DPT.06	0 00
07 DPT.07	
08 DPT.08	
09 DPT.09	EXIT ENTER
10 DPT.10	

▲ ▼

(4) Select the programming items, and set the proper data.

01

SIGN	+
DESCRIPTION	DPT.01
DEPT.TYPE	NORMAL
TAXABLE 1	NO
TAXABLE 2	NO
TAXABLE 3	NO
TAXABLE 4	NO
HALO	99999.99
LALO	0.00
GROUP No.	01
RECEIPT TYPE	SINGLE

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CLEAR BKSPC DELETE COPY

7 8 9 PREVIOUS

4 5 6 NEXT

1 2 3 TEXT ENTRY

0 00 . LIST

EXIT ENTER

(5) To terminate the programming, touch the **[EXIT]** key.

■ Programming function key

[DELETE]	: Used to delete the data or item.
[BKSPC]	: Backs up the cursor for deleting the character or figure at the left of the cursor.
[COPY]	: Used to copy the data from the designated item. Touch this key and select designated item.
[PAGE 1]	: Used to change the page of the data or items.
[PAGE 2]	: Used to change the page of the data or items.
[PAGE 3]	: Used to change the page of the data or items.
[ENTER]	: Used to enter the data.
[EXIT]	: Used to terminate the programming.
[CLEAR]	: Used to clear entered data.
[LIST]	: Used to display the variation of parameter.
[NEXT]	: Used to skip to next item.
[PREVIOUS]	: Used to back to previous item.
[TEXT ENTRY]	: Used to enter the text data.
[LIST MENU]	: Used to display item list.
[REG MENU]	: Used to display registration screen.
[SELECT SCREEN]	: Used to select the screen.
[MOV.WINDW]	: Used to change the display position of sub-window.
[P UP]	: Used to page up the window.
[P DOWN]	: Used to page down the window.

POS Setting Data

The POS setting data can be confirmed with the following tables.
The default programming data of parameters is emphasized in bold character.

■ Department (1 DEPARTMENT → 1 **DEPARTMENT** .... PGM2)

Procedure

(1) Select the PGM2 mode in the mode selection window, and touch the **[2 POS SETTING]** to perform the programming.
(2) Touch the **[1 DEPARTMENT]** button to display the detail menu.
(3) Touch the **[1 DEPARTMENT]** button to program the each department.
(4) Enter or select the department number and touch the **[ENTER]** key.
(5) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (5) satisfactorily.
(6) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
SIGN	-/**+**	Sign
DESCRIPTION	20 character (**DPT.nn**)	Description
DEPT. TYPE	**NORMAL**/HASH/GIFT/GIFT RELOAD/BR /NON TURNOVER	DEPT. type
TAXABLE 1	YES/**NO**	Taxable 1
TAXABLE 2	YES/**NO**	Taxable 2
TAXABLE 3	YES/**NO**	Taxable 3
TAXABLE 4	YES/**NO**	Taxable 4
HALO	7 digits (0 to **9999999**)	HALO (limitation)
LALO	7 digits (0 to **9999999**)	LALO (limitation)
GROUP No.	2 digit (**1** to 99)	Department group
RECEIPT TYPE	DOUBLE/**SINGLE**	Receipt type

■ Department group revenue center (1 DEPARTMENT →2 **DEPT GR. REVENUE** .... PGM2)

Department group no.: 1 to 99

Procedure

(1) Select the PGM2 mode in the mode selection window, and touch the **[2 POS SETTING]** to perform the programming.
(2) Touch the **[1 DEPARTMENT]** button to display the detail menu.
(3) Touch the **[2 DEPT GR. REVENUE]** button to program the each department group.
(4) Enter or select the group number.
(5) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (5) satisfactorily.
(6) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TEXT	16 character (DPT **GR-n**)	TEXT REVENUE NO.
REVENUE NO.	1 digits (**1** to 9)	

■ PLU/UPC (2 SALES ITEMS → 1 **PLU/UPC** .... PGM1)

(2 ITEM SETUP → 1 PLU/UPC → 1 **INDIVIDUAL PLU/UPC** .... PGM2)

PLU code: max. 6 digits (1 to 999999)
UPC/EAN code: max. 13 digits (EAN13, EAN8, UPC-A)

Procedure

(1) Select the PGM1 or PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) In the PGM1 mode, touch the **[1 SALES ITEMS]** button to display the menu, and touch the **[1 PLU/ UPC]** button to display the each PLU/UPC.

(2)' In the PGM2 mode, touch the **[2 ITEM SETUP]** button to display the menu, and touch the **[1 PLU/UPC]** button to display the detail menu. Then touch the **[1 INDIVIDUAL PLU/UPC]** button to display the each PLU/UPC.

(3) Touch the direct PLU key, or enter the PLU/UPC number and touch the **[ENTER]** key in the PLU list window by touching the **[LIST MENU]** key to program the each PLU/UPC.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily. For the programming items, refer to the following tables (same as Dynamic UPC).

(5) To terminate the programming, touch the **[EXIT]** key.

■ Dynamic UPC (2 SALES ITEMS → 3 **DYNAMIC UPC** .... PGM1)

(2 ITEM SETUP → 5 **DYNAMIC UPC** .... PGM2)

UPC/EAN code: max. 13 digits (EAN13, EAN8, UPC-A)

Procedure

(1) Select the PGM1 or PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) In the PGM1 mode, touch the **[1 SALES ITEMS]** button to display the menu, and touch the **[3 DYNAMIC UPC]** button to display the each dynamic UPC.

(2)' In the PGM2 mode, touch the **[2 ITEM SETUP]** button to display the menu, and touch the **[5 DYNAMIC UPC]** button to display the dynamic UPC list.

(3) Touch or enter the dynamic UPC number and touch the **[ENTER]** key to program the each dynamic UPC.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
ASSOCIATED DEPT.	2 digits (**1** to 99)	Associate DEPT.
SIGN	-/**+**	Sign
PRICE	6 digits (**0** to 999999)	Unit price
NAME	20 character (PLU: **PLnnnnnn**) (UPC/EAN: "**space**")	Name
KEY NAME	8 character (PLU: **PLnnnnnn**) (UPC/EAN: "**space**")	Key Name
KP TEXT	12 character (PLU: **PLnnnnnn**) (UPC/EAN: "**space**")	KP Text for price
KEY COLOR	224 Color (Fore Color/Back Color) **BLACK/YELLOW**	Key Color

(Continued to the next page.)

Text	Parameter	Classification
AMT. ENTRY TYPE	OPEN&PRESET/**PRESET**/OPEN/INHIBIT [UPC(EAN) is fixed at "PRESET".]	Amount entry type
BASE Q'TY	2 digits (**0** to 99)	Base Q'ty
ZERO PRICE	**ALLOWED**/DISALLOWED	Entry of zero price
MENU TYPE	LINK/SET/**NORMAL** [UPC(EAN) is Setting at "LINK/NORMAL".]	Menu type
LINK/SET TBL#	2 digits (1 to 99/**0**)	LINK or SET Table No.
PIECE COUNT TYPE	YES/**NO** [UPC(EAN) is fixed at "NO".]	Piece count Type
MIX&MATCH TBL#	2 digits (1 to 99/**0**)	Mix&Match table No.
CONDIMENT TBL#	3 digits (1 to 999/**0**) [UPC(EAN) is fixed at "0".]	Condiment table No.
CONDIMENT TYPE	YES/**NO** [UPC(EAN) is fixed at "NO".]	Condiment type
CONDIMENT ENTRY	COMPULSORY/**NON-COMPULSORY** [UPC(EAN) is fixed at "NON-COMPUL".]	Condiment entry to menu item
MODIFIER TBL#	3 digits (1 to 999/**0**) [UPC(EAN) is fixed at "0".]	Modifier table No.
AUTO COMBO OBJECT	YES/**NO** [UPC(EAN) is fixed at "NO".]	Auto combo object
AUTO COMBO No.	3 digits (1 to 999/**0**) [UPC(EAN) is fixed at "0".]	Auto Combo No.
AUTO COMBO No.	3 digits (1 to 999/**0**) [UPC(EAN) is fixed at "0".]	Auto Combo No.
AUTO COMBO No.	3 digits (1 to 999/**0**) [UPC(EAN) is fixed at "0".]	Auto Combo No.
AUTO COMBO No.	3 digits (1 to 999/**0**) [UPC(EAN) is fixed at "0".]	Auto Combo No.
AUTO COMBO No.	3 digits (1 to 999/**0**) [UPC(EAN) is fixed at "0".]	Auto Combo No.
TARE TBL#	1 digit (1 to 9/**0**)	Tare table No.
SCALE	COMPULSORY/ENABLE/**INHIBIT**	Scale
TAXABLE1	YES/**NO**	Taxable 1
TAXABLE2	YES/**NO**	Taxable 2
TAXABLE3	YES/**NO**	Taxable 3
TAXABLE4	YES/**NO**	Taxable 4
SORT GROUP	2 digits (1 to 99/**0**)	PLU SORT grouping
GR.DISC.	2 digits (1 to 99/**0**)	Group discount
GR.DISC.	2 digits (1 to 99/**0**)	Group discount
GR.DISC.	2 digits (1 to 99/**0**)	Group discount
RECIPE TEXT#	3 digits (**0** to 999)	Recipe Text No.
PRIORITY KP No.	1 digit (**0** to 9)	Priority KP No.
MODIFIED OUTPUT	YES/**NO**	Print station
OUTPUT KP No.1	1 digit (1 to 9/**0**)	Print station
OUTPUT KP No.2	1 digit (1 to 9/**0**)	Print station
OUTPUT KP No.3	1 digit (1 to 9/**0**)	Print station
CHIT RECEIPT	YES/**NO**	Print station
KP PRINT	**BLACK**/RED	KP Print
CVM1 CTRL CHAR.	3 digits (**0** to 255)	CVM1 control character
CVM2 CTRL CHAR.	3 digits (**0** to 255)	CVM2 control character

(Continued to the next page.)

Text	Parameter	Classification
FOOD COST %	5 Digits (**0.00** to 100.00)	Food Cost %
BAKED FOOD	YES/**NO**	Baked Food object
DATA ENT.JOB#	2 digits (1 to 99/**0**) [1 to 99 : Data Entry Compulsory] [0 : Data Entry Inhibit]	Key Data Entry Number
NON-ACCESS	**NON DEL.**/DEL. BY Z [PLU is fixed at "NON DEL.".]	NON-Accessed Record delete function

■ Coupon PLU (2 SALES ITEMS → 2 **COUPON PLU** .... PGM1)
(2 ITEM SETUP → 3 **COUPON PLU** .... PGM2)

PLU code: max. 6 digits (1 to 999999)

Procedure

(1) Select the PGM1 or PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) In the PGM1 mode, touch the **[1 SALES ITEMS]** button to display the menu, and touch the **[2 COUPON PLU]** button to display the coupon PLU list.

(2)' In the PGM2 mode, touch the **[2 ITEM SETUP]** button to display the menu, and touch the **[3 COUPON PLU]** button to display the coupon PLU list.

(3) Touch or enter the coupon PLU number and touch the **[ENTER]** key to program the each coupon PLU.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
SIGN	**-/+**	Sign
PRICE	6 digits (**0** to 999999)	Unit price
NAME	20 character (**CPNnnnnnn**)	Name
KEY NAME	8 character (**CPnnnnnn**)	Key Name
KEY COLOR	224 Color (Fore Color/Back Color) **BLACK/199**	Key Color
AMT. ENTRY TYPE	OPEN&PRESET/**PRESET**/OPEN/INHIBIT	Amount entry type
ZERO PRICE	**ALLOWED**/DISALLOWED	Entry of zero price
TEFRA	YES/**NO**	TEFRA
TAXABLE1	YES/**NO**	Taxable 1
TAXABLE2	YES/**NO**	Taxable 2
TAXABLE3	YES/**NO**	Taxable 3
TAXABLE4	YES/**NO**	Taxable 4
GR.DISC.	2 digits (1 to 99/**0**)	Group discount
GR.DISC.	2 digits (1 to 99/**0**)	Group discount
GR.DISC.	2 digits (1 to 99/**0**)	Group discount
CVM1 CTRL CHAR.	3 digits (**0** to 255)	CVM1 control character
CVM2 CTRL CHAR.	3 digits (**0** to 255)	CVM2 control character
ASSOCIATED DEPT.	2 digits (1 to 99/**0**)	Coupon Table
DATA ENT.JOB#	2 digits (1 to 99/**0**) [1 to 99 : Data Entry Compulsory] [0 : Data Entry Inhibit]	Key Data Entry Number
EXPIRY DATE	6 digits (**000000**)	Expiry date
REVENUE NO.	1 digit (**1** to 9)	REVENUE CENTER No.

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■ Range PLU programming (2 ITEM SETUP → 1 PLU/UPC → 2 **RANGE PLU** .... PGM2)

The following parameters of PLU can be programmed by a range.
The range data of PLUs is required at the beginning.

    PLU code: max. 6 digits (1 to 999999)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[2 ITEM SETUP]** button to display the menu, and touch the **[1 PLU/UPC]** button to display the detail menu.

(3) Touch the **[2 RANGE PLU]** button to program PLUs with assigning PLU range, and enter the following range data and touch the **[ENTER]** key.

Text	Parameter	Classification
START CODE	6 digits (**000000**-999999)	Start code of the range
END CODE	6 digits (**000000**-999999)	End code of the range
OPERATION	DEL/MAINTENANCE/**NEW&MAINTENANCE**	Type for the operation

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
ASSOCIATED DEPT.	2 digits (**1** to 99)	Associate DEPT.
SIGN	-/**+**	Sign
PRICE	6 digits (**0** to 999999)	Unit price
KEY COLOR	224 Color (Fore Color/Back Color) **BLACK/YELLOW**	Key Color
AMT. ENTRY TYPE	OPEN&PRESET/**PRESET**/OPEN/INHIBIT	Amount entry type
BASE Q'TY	2 digits (**0** to 99)	Base Q'ty
ZERO PRICE	**ALLOWED**/DISALLOWED	Entry of zero price
MENU TYPE	LINK/SET/**NORMAL**	Menu type
LINK/SET TBL#	2 digits (1 to 99/**0**)	LINK or SET Table No.
PIECE COUNT TYPE	YES/**NO**	Piece count Type
MIX&MATCH TBL#	2 digits (1 to 99/**0**)	Mix&Match table No.
CONDIMENT TBL#	3 digits (1 to 999/**0**)	Condiment table No.
CONDIMENT TYPE	YES/**NO**	Condiment type
CONDIMENT ENTRY	COMPULSORY/**NON-COMPULSORY**	Condiment entry to menu item
MODIFIER TBL#	3 digits (1 to 999/**0**)	Modifier table No.
AUTO COMBO OBJECT	YES/**NO**	Auto combo object
AUTO COMBO No.	3 digits (1 to 999/**0**)	Auto Combo No.
AUTO COMBO No.	3 digits (1 to 999/**0**)	Auto Combo No.
AUTO COMBO No.	3 digits (1 to 999/**0**)	Auto Combo No.
AUTO COMBO No.	3 digits (1 to 999/**0**)	Auto Combo No.
AUTO COMBO No.	3 digits (1 to 999/**0**)	Auto Combo No.
TARE TBL#	1 digit (1 to 9/**0**)	Tare table No.
SCALE	COMPULSORY/ENABLE/**INHIBIT**	Scale

(Continued to the next page.)

Text	Parameter	Classification
TAXABLE1	YES/**NO**	Taxable 1
TAXABLE2	YES/**NO**	Taxable 2
TAXABLE3	YES/**NO**	Taxable 3
TAXABLE4	YES/**NO**	Taxable 4
SORT GROUP	2 digits (1 to 99/**0**)	PLU SORT grouping
GR.DISC.	2 digits (1 to 99/**0**)	Group discount
GR.DISC.	2 digits (1 to 99/**0**)	Group discount
GR.DISC.	2 digits (1 to 99/**0**)	Group discount
RECIPE TEXT#	3 digits (**0** to 99)	Recipe Text No.
PRIORITY KP No.	1 digit (**0** to 9)	Priority KP No.
MODIFIED OUTPUT	YES/**NO**	Print station
OUTPUT KP No.1	1 digit (1 to 9/**0**)	Print station
OUTPUT KP No.2	1 digit (1 to 9/**0**)	Print station
OUTPUT KP No.3	1 digit (1 to 9/**0**)	Print station
CHIT RECEIPT	YES/**NO**	Print station
KP PRINT	**BLACK**/RED	KP Print
CVM1 CTRL CHAR.	3 digits (**0** to 255)	CVM1 control character
CVM2 CTRL CHAR.	3 digits (**0** to 255)	CVM2 control character
FOOD COST %	5 digits (**0.00** to 100.00)	Food Cost %
BAKED FOOD	YES/**NO**	Baked Food object
DATA ENT.JOB#	2 digits (1 to 99/**0**) [1 to 99 : Data Entry Compulsory] [0 : Data Entry Inhibit]	Key Data Entry Number

■ Preparation assignment (2 ITEM SETUP →1 PLU/UPC →3 PREP ASSIGNMENT .... PGM2)

PLU code: max. 6 digits (1 to 999999)
UPC/EAN code: max. 13 digits (EAN13, EAN8, UPC-A)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[2 ITEM SETUP]** button to display the menu, and touch the **[1 PLU/UPC]** button to display the detail menu. Then touch the **[3 PREP ASSIGNMENT]** button to display the each PLU/UPC.

(3) Touch the direct PLU key, or enter the PLU/UPC number and touch the **[ENTER]** key in the PLU list window by touching the **[LIST MENU]** key to program the each PLU/UPC.

(4) Enter the associated department number and touch the **[ENTER]** key.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
ASSOCIATED DEPT.	2 digits (**1** to 99)	Associate DEPT.

■ Range preparation assignment

(2 ITEM SETUP →1 PLU/UPC →4 **RANGE PREP ASSIGNMENT** .... PGM2)

The following parameters of PLU can be programmed by a range.
The range data of PLUs is required at the beginning.
     PLU code: max. 6 digits (1 to 999999)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[2 ITEM SETUP]** button to display the menu, and touch the **[1 PLU/UPC]** button to display the detail menu.

(3) Touch the **[4 RANGE PREP ASSIGNMENT]** button to program PLUs with assigning PLU range, and enter the following range data and touch the **[ENTER]** key.

Text	Parameter	Classification
START CODE	6 digits (**000000**-999999)	Start code of the range
END CODE	6 digits (**000000**-999999)	End code of the range
OPERATION	DEL/MAINTENANCE/**NEW&MAINTENANCE**	Type for the operation

(4) Enter the associated department number and touch the **[ENTER]** key.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
ASSOCIATED DEPT.	2 digits (**1** to 99)	Associate DEPT.

■ CVM routing (2 ITEM SETUP →1 PLU/UPC →5 **CVM ROUTING** .... PGM2)

PLU code: max. 6 digits (1 to 999999)
UPC/EAN code: max. 13 digits (EAN13, EAN8, UPC-A)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[2 ITEM SETUP]** button to display the menu, and touch the **[1 PLU/UPC]** button to display the detail menu. Then touch the **[5 CVM ROUTING]** button to display the each PLU/UPC.

(3) Touch the direct PLU key, or enter the PLU/UPC number and touch the **[ENTER]** key in the PLU list window by touching the **[LIST MENU]** key to program the each PLU/UPC.

(4) Enter the CVM control character data and touch the **[ENTER]** key.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
CVM1 CTRL CHAR.	3 digits (**0** to 255)	CVM1 control character
CVM2 CTRL CHAR.	3 digits (**0** to 255)	CVM2 control character

■ Range CVM routing (2 ITEM SETUP →1 PLU/UPC →6 **RANGE CVM ROUTING** .... PGM2)

The following parameters of PLU can be programmed by a range.
The range data of PLUs is required at the beginning.
    PLU code: max. 6 digits (1 to 999999)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[2 ITEM SETUP]** button to display the menu, and touch the **[1 PLU/UPC]** button to display the detail menu.

(3) Touch the **[6 RANGE CVM ROUTING]** button to program PLUs with assigning PLU range, and enter the following range data and touch the **[ENTER]** key.

Text	Parameter	Classification
START CODE	6 digits (**000000**-999999)	Start code of the range
END CODE	6 digits (**000000**-999999)	End code of the range
OPERATION	DEL/MAINTENANCE/**NEW&MAINTENANCE**	Type for the operation

(4) Enter the CVM control character data and touch the **[ENTER]** key.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
CVM1 CTRL CHAR.	3 digits (**0** to 255)	CVM1 control character
CVM2 CTRL CHAR.	3 digits (**0** to 255)	CVM2 control character

■ Modifier PLU table (2 ITEM SETUP →2 **MODIFIER PLU** .... PGM2)

Modifier table no.: max. 3 digits (1 to 999)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[2 ITEM SETUP]** button to display the menu, and touch the **[2 MODIFIER PLU]** button to display the modifier table list.

(3) Touch or enter the modifier table number and touch the **[ENTER]** key to program the modifier table.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter		Classification
PLU OR COMBO #1	PLU/COMBO		TYPE1
CODE	PLU CODE COMBO TABLE#	6 digits (0 to 999999) 3 digits (0 to 999)	CODE1
PLU OR COMBO #2	PLU/COMBO		TYPE2
CODE	PLU CODE COMBO TABLE#	6 digits (0 to 999999) 3 digits (0 to 999)	CODE2
PLU OR COMBO #3	PLU/COMBO		TYPE3
CODE	PLU CODE COMBO TABLE#	6 digits (0 to 999999) 3 digits (0 to 999)	CODE3
PLU OR COMBO #4	PLU/COMBO		TYPE4
CODE	PLU CODE COMBO TABLE#	6 digits (0 to 999999) 3 digits (0 to 999)	CODE4
PLU OR COMBO #5	PLU/COMBO		TYPE5
CODE	PLU CODE COMBO TABLE#	6 digits (0 to 999999) 3 digits (0 to 999)	CODE5
PLU OR COMBO #6	PLU/COMBO		TYPE6
CODE	PLU CODE COMBO TABLE#	6 digits (0 to 999999) 3 digits (0 to 999)	CODE6
PLU OR COMBO #7	PLU/COMBO		TYPE7
CODE	PLU CODE COMBO TABLE#	6 digits (0 to 999999) 3 digits (0 to 999)	CODE7
PLU OR COMBO #8	PLU/COMBO		TYPE8
CODE	PLU CODE COMBO TABLE#	6 digits (0 to 999999) 3 digits (0 to 999)	CODE8
PLU OR COMBO #9	PLU/COMBO		TYPE9
CODE	PLU CODE COMBO TABLE#	6 digits (0 to 999999) 3 digits (0 to 999)	CODE9

■ Recipe table (2 ITEM SETUP →4 **RECIPE TEXT** .... PGM2)

Recipe number: max. 3 digits (1 to 999)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[2 ITEM SETUP]** button to display the menu, and touch the **[4 RECIPE TEXT]** button to display the recipe text list.

(3) Touch or enter the recipe text number and touch the **[ENTER]** key to program the modifier table.

(4) Enter the recipe text and touch the **[ENTER]** key.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
RECIPE MESSAGE	Max. 1024 Characters	Recipe Message

■ UPC Non-PLU code format (2 ITEM SETUP → 6 **UPC NON-PLU** .... PGM2)

The register allows you to specify the Non-PLU code format (System sign(Flag code): 2, 02, 20 -29).
The format data is as follows:

Format table no.: max. 2 digits (1 to 12)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[2 ITEM SETUP]** button to display the menu, and touch the **[6 UPC NON-PLU]** button to display the code format list.

(3) Touch the code format number button to program the non PLU code format.

(The **[INHIBIT]** button is not assigned the code format yet.)

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key.

Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TYPE OF CODE	EAN8/EAN13 (UPC-A is "0n" of EAN13)	Kind of Code
SYSTEM CODE	nn:EAN13(UPC-A), n:EAN8	System sign
LENGTH FLD#1	1 digit	Length of field 1
LENGTH FLD#2	1 digit	Length of field 2
FIELD#2 DATA	QUANTITY/PRICE	Meaning of field 2
PRICE C/D	YES/NO	Price Check digit
TAB	3/2/1/0	TAB or Decimal point of field 2

NOTE

• *When the "DEL" key is touched on table number selection menu, the table is deleted.*
• *When the field 2 is programmed as "QUANTITY", the sales amount is calculated as (quantity x programmed unit price).*
• *The initial programming data is showed by following tables.*

Classification	Table 1	Table 2	Table 3 - Table 12
Kind of Code	*EAN13*	*EAN8*	*undefined*
System sign	*02*	*2*	*undefined*
Length of field 1	*5*	*2*	*undefined*
Length of field 2	*4*	*4*	*undefined*
Meaning of field 2	*PRICE*	*PRICE*	*undefined*
Price Check digit	*YES*	*NO*	*undefined*
TAB or Decimal point of field 2	*2*	*2*	*undefined*

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■ UPC delete (2 ITEM SETUP → 7 **UPC DELETE** .... PGM2)

You can delete the UPC codes which have not been accessed during the period you set in this program when you execute the delete job in the Z1 mode.

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[2 ITEM SETUP]** button to display the menu, and touch the **[7 UPC DELETE]** button to program the delete period.

(3) Enter the delete period and touch the **[ENTER]** key.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter		Classification
PERIOD(DAY)	Day : 2 digits	(01 to 99/**00**) (00 = No deleting)	Delete Period

■ Condiment tables (3 TABLES → 1 **CONDIMENT TABLES** .... PGM2)

Condiment table no.: max. 3 digits (1 to 999)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[3 TABLES]** button to display the menu, and touch the **[1 CONDIMENT TABLES]** button to program the condiment table.

(3) Touch or enter the condiment table number and touch the **[ENTER]** key to program the condiment table.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
MESSAGE TEXT	16 characters	Message text
REPEAT TIMES	1 digit (1 to 9)	Repeating No. times
PRICE ROLL-UP	YES/NO	PRICE ROLL-UP
KEY SIZE	2x2/ VERTICAL DOUBLE/ HORIZONTAL DOUBLE/SINGLE	KEY SIZE
SCREEN NO.	2 digits (1 to 99/0)	SCREEN No.
NEXT LINK TBL#	3 digits (1 to 999/0)	Next link table#
PLU#01 PLU#02 : PLU#49 PLU#50	CONDIMENT PLU 1: 6 digits (PLU CODE) CONDIMENT PLU 2: 6 digits (PLU CODE) : CONDIMENT PLU49: 6 digits (PLU CODE) CONDIMENT PLU50: 6 digits (PLU CODE) (Max.50 PLUs)	Condiment PLU CODE

NOTE   *When the "DEL" key is touched on table number selection menu, the table is deleted.*

■ Combo meal tables (3 TABLES → 2 **COMBO MEAL TABLES** .... PGM2)
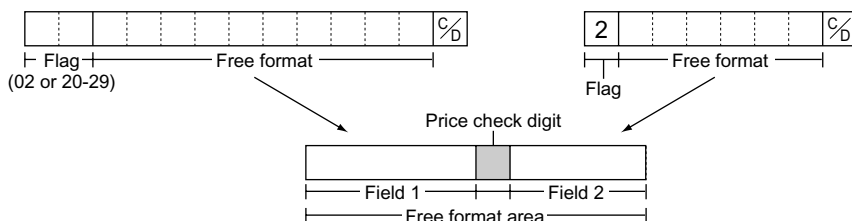
Combo meal table no.: max. 3 digits (1 to 999)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[3 TABLES]** button to display the menu, and touch the **[2 COMBO MEAL TABLES]** button to program the combo meal table.

(3) Touch or enter the combo meal table number and touch the **[ENTER]** key to program the combo meal table.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
COMBO TITLE	20 digits text	Combo meal title
KEY DESCRIPTION	COMBnnn : 8 characters	Key description
KP TEXT	12 characters	KP text for price
KEY COLOR	224 Color (Fore Color/Back Color) (**BLACK/YELLOW**)	Key color
CONDIMENT TBL#	3 digits (1 to 999/**0**)	Condiment table no.
CONDIMENT ENTRY	COMPULSORY/**NON-COMPULSORY**	Condiment entry to menu item
MODIFIER TBL#	3 digits (1 to 999/**0**)	Modifier table no.
SORT GROUP	2 digits (1 to 99/**0**)	PLU SORT grouping
PRIORITY KP No.	1 digit (**0** to 9)	Priority KP no.
MODIFIED OUTPUT	YES/**NO**	Print station
OUTPUT KP No.1	1 digit (1 to 9/**0**)	Print station
OUTPUT KP No.2	1 digit (1 to 9/**0**)	Print station
OUTPUT KP No.3	1 digit (1 to 9/**0**)	Print station
CHIT RECEIPT	YES/**NO**	Print station
CVM1 CTRL CHAR.	3 digits (**0** to 255)	CVM1 control character
CVM2 CTRL CHAR.	3 digits (**0** to 255)	CVM2 control character
DATA ENT.JOB#	2 digits (1 to 99/**0**) [1 to 99 : Data Entry Compulsory] [0 : Data Entry Inhibit]	Key data entry number
COMBO PLU#1	PLU #1 : 6 digits (PLU code)	Associated PLU code 1
PRICE	6 digits (1 to 999999)	Unit price of code 1
COMBO PLU#2	PLU #2 : 6 digits (PLU code)	Associated PLU code 2
PRICE	6 digits (1 to 999999)	Unit price of code 2
COMBO PLU#3	PLU #3 : 6 digits (PLU code)	Associated PLU code 3
PRICE	6 digits (1 to 999999)	Unit price of code 3
COMBO PLU#4	PLU #4 : 6 digits (PLU code)	Associated PLU code 4
PRICE	6 digits (1 to 999999)	Unit price of code 4
COMBO PLU#5	PLU #5 : 6 digits (PLU code)	Associated PLU code 5
PRICE	6 digits (1 to 999999)	Unit price of code 5
COMBO PLU#6	PLU #6 : 6 digits (PLU code)	Associated PLU code 6
PRICE	6 digits (1 to 999999)	Unit price of code 6

(Continued to the next page.)

Text	Parameter	Classification
COMBO PLU#7	PLU #7 : 6 digits (PLU code)	Associated PLU code 7
PRICE	6 digits (1 to 999999)	Unit price of code 7
COMBO PLU#8	PLU #8 : 6 digits (PLU code)	Associated PLU code 8
PRICE	6 digits (1 to 999999)	Unit price of code 8
COMBO PLU#9	PLU #9 : 6 digits (PLU code)	Associated PLU code 9
PRICE	6 digits (1 to 999999)	Unit price of code 9
WITH COMBO PLU#1	PLU #1 : 6 digits (PLU code)	With PLU code 1
PRICE	6 digits (1 to 999999)	Unit price of code 1
WITH COMBO PLU#2	PLU #2 : 6 digits (PLU code)	With PLU code 2
PRICE	6 digits (1 to 999999)	Unit price of code 2
WITH COMBO PLU#3	PLU #3 : 6 digits (PLU code)	With PLU code 3
PRICE	6 digits (1 to 999999)	Unit price of code 3
WITH COMBO PLU#4	PLU #4 : 6 digits (PLU code)	With PLU code 4
PRICE	6 digits (1 to 999999)	Unit price of code 4
WITH COMBO PLU#5	PLU #5 : 6 digits (PLU code)	With PLU code 5
PRICE	6 digits (1 to 999999)	Unit price of code 5
WITH COMBO PLU#6	PLU #6 : 6 digits (PLU code)	With PLU code 6
PRICE	6 digits (1 to 999999)	Unit price of code 6
WITH COMBO PLU#7	PLU #7 : 6 digits (PLU code)	With PLU code 7
PRICE	6 digits (1 to 999999)	Unit price of code 7
WITH COMBO PLU#8	PLU #8 : 6 digits (PLU code)	With PLU code 8
PRICE	6 digits (1 to 999999)	Unit price of code 8
WITH COMBO PLU#9	PLU #9 : 6 digits (PLU code)	With PLU code 9
PRICE	6 digits (1 to 999999)	Unit price of code 9

NOTE *When the "DEL" key is touched on table number selection menu, the table is deleted.*

■ Link PLU/UPC tables (3 TABLES → 3 **LINK PLU/UPC TABLES** .... PGM2)

Link PLU/UPC table no.: max. 2 digits (1 to 99)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[3 TABLES]** button to display the menu, and touch the **[3 LINK PLU/UPC TABLES]** button to program the link PLU/UPC table.

(3) Touch or enter the link PLU/UPC table number and touch the **[ENTER]** key to program the link PLU/ UPC table.

(4) Enter the link PLU/UPC number and touch the **[ENTER]** key.
   Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
LINKED PLU/UPC#1	PLU/UPC : 6 digits (PLU code) or 8-13 digits (UPC code)	Link PLU code
LINKED PLU/UPC#2	PLU/UPC : 6 digits (PLU code) or 8-13 digits (UPC code)	
LINKED PLU/UPC#3	PLU/UPC : 6 digits (PLU code) or 8-13 digits (UPC code)	
LINKED PLU/UPC#4	PLU/UPC : 6 digits (PLU code) or 8-13 digits (UPC code)	
LINKED PLU/UPC#5	PLU/UPC : 6 digits (PLU code) or 8-13 digits (UPC code)	

NOTE *When the "DEL" key is touched on table number selection menu, the table is deleted.*

■ Set PLU tables (3 TABLES → 4 **SET PLU TABLES** .... PGM2)

Set PLU table no.: max. 2 digits (1 to 99)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[3 TABLES]** button to display the menu, and touch the **[4 SET PLU TABLES]** button to program the set PLU table.

(3) Touch or enter the set PLU table number and touch the **[ENTER]** key to program the set PLU table.

(4) Enter the tied PLU number and touch the **[ENTER]** key.
Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
SET PLU1	6 digits (PLU code)	Tied PLU 1
SET PLU2	6 digits (PLU code)	Tied PLU 2
:	:	:
:	:	:
:	:	:
SET PLU20	6 digits (PLU code)	Tied PLU 20

NOTE *When the "DEL" key is touched on table number selection menu, the table is deleted.*

■ Mix & match tables (3 TABLES → 5 **MIX&MATCH TABLES** .... PGM2)

Mix & Match table no.: max. 2 digits (1 to 99)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[3 TABLES]** button to display the menu, and touch the **[5 MIX&MATCH TABLES]** button to program the mix&match table.

(3) Touch or enter the mix&match table number and touch the **[ENTER]** key to program the mix&match table.

(4) Select the mix&match type ("subtotal type" or "item type") and touch the **[ENTER]** key.

Text	Parameter	Classification
M&M SELECT	SBTL TYPE/ITEM TYPE	Mix&match type

(5) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (5) satisfactorily.

(6) To terminate the programming, touch the **[EXIT]** key.

ITEM TYPE

Text	Parameter	Classification
PRICE1	Price : 6 digits	Adjust amount
TRIP LEVEL1	Base Q'ty : 2 digits (0 to 99)	Trip level1
PLU/UPC#1	PLU/UPC #1 : 6 digits(PLU) or 8-13digits (UPC)	M&M PLU/UPC code1
PRICE2	Price : 6 digits	Adjust amount2
TRIP LEVEL2	Base Q'ty : 2 digits (0 to 99)	Trip level2
PLU/UPC#2	PLU/UPC #2 : 6 digits (PLU) or 8-13digits (UPC)	M&M PLU/UPC code2
⋮ ⋮	⋮ ⋮	⋮ ⋮
PRICE19	Price : 6 digits	Adjust amount19
TRIP LEVEL19	Base Q'ty : 2 digits (0 to 99)	Trip level19
PLU/UPC#19	PLU/UPC #19: 6 digits (PLU) or 8-13 digits (UPC)	M&M PLU/UPC code19
PRICE20	Price : 6 digits	Adjust amount20
TRIP LEVEL20	Base Q'ty : 2 digits (0 to 99)	Trip level20
PLU/UPC#20	PLU/UPC #20: 6 digits (PLU) or 8-13 digits (UPC)	M&M PLU/UPC code20

SBTL TYPE

Text	Parameter	Classification
DISCOUNT AMT	Price : 6 digits	Discount Amount
TAXABLE1	YES/**NO**	Taxable 1
TAXABLE2	YES/**NO**	Taxable 2
TAXABLE3	YES/**NO**	Taxable 3
TAXABLE4	YES/**NO**	Taxable 4
REVENUE NO.	1 digit (1 to 9)	Revenue center no.
TRIP LEVEL1	Base Q'ty : 2 digits (0 to 99)	Trip level1
PLU/UPC#1	PLU/UPC #1 : 6 digits (PLU) or 8-13 digits (UPC)	M&M PLU/UPC code1
TRIP LEVEL2	Base Q'ty : 2 digits (0 to 99)	Trip level2
PLU/UPC#2	PLU/UPC #2 : 6 digits (PLU) or 8-13 digits (UPC)	M&M PLU/UPC code2
:	:	:
:	:	:
TRIP LEVEL19	Base Q'ty : 2 digits (0 to 99)	Trip level19
PLU/UPC#19	PLU/UPC #19: 6 digits (PLU) or 8-13 digits (UPC)	M&M PLU/UPC code19
TRIP LEVEL20	Base Q'ty : 2 digits (0 to 99)	Trip level20
PLU/UPC#20	PLU/UPC #20: 6 digits (PLU) or 8-13 digits (UPC)	M&M PLU/UPC code20

NOTE *When the "DEL" key is touched on table number selection menu, the table is deleted.*

■ Scale tables (3 TABLES → 6 **SCALE TABLES** .... PGM2)

Scale table no.: 1 digit (1 to 9)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[3 TABLES]** button to display the menu, and touch the **[6 SCALE TABLES]** button to display the scale table list.

(3) Touch the scale table number button to program the tare weight.

(4) Enter the tare weight and touch the **[ENTER]** key.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
WEIGHT	4 digits (0 to 99.99) lb	Weight

NOTE *When the "DEL" key is touched on table number selection menu, the table is deleted.*

■ Cashier (2 WORK FORCE → **1 CASHIER** .... PGM1)
(4 WORK FORCE → **1 CASHIER** .... PGM2)

Cashier code: 4 digits (1 to 9999)

Procedure

(1) Select the PGM1 or PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) In the PGM1 mode, touch the **[2 WORK FORCE]** button to display the menu, and touch the **[1 CASHIER]** button to display the cashier list.

(2)' In the PGM2 mode, touch the **[4 WORK FORCE]** button to display the menu, and touch the **[1 CASHIER]** button to display the cashier list.

(3) Touch or enter the cashier number and touch the **[ENTER]** key to program each cashier.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
SECRET CODE	8 digits (00000001 to 99999999/**00000000)**	Cashier secret code
NAME	8 characters (**CSH.000n**)	Cashier name
DEFAULT SCREEN	2 digits (**1** to 99)	Default screen
TRAINING FUNC.	**NO**/YES	Training function
SUPERVISOR FUNC.	**NO**/YES	Supervisor function
ENTRY COMPULSORY	GLU/DRIVETHRU/**NON-COMPULSORY**	Cashier entry compulsory
DRAWER#	**1** to 2/0	Drawer number assignment
GUEST COMPULSORY	COMPULSORY/**ALLOWED**/INHIBITED	Guest compulsory
B.S. OPERATION	**DISABLE**/ENABLE	B.S. operation
REG ST ZERO	DISABLE/**ENABLE**	Finalization in REG mode when SBTL is zero
NET SALES%	**0** to 100.00	Net sales% rate
NO SALE	DISALLOWED/**ALLOWED**	No sale
EX NO SALE	DISALLOWED/**ALLOWED**	Exchange no-sale
CASH TRANSFER	DISALLOWED/**ALLOWED**	Cash transfer
MANY BILL PRINT	DISALLOWED/**ALLOWED**	Many bill printing
COPY RECEIPT	DISALLOWED/**ALLOWED**	Copy receipt function
DAILY DEPOSIT	DISALLOWED/**ALLOWED**	Daily deposit entry

NOTE *When the "DEL" key is touched on table number selection menu, the table is deleted.*

■ **Employee ID** (4 WORK FORCE → 2 EMPLOYEE → 1 **EMPLOYEE ID** ... . PGM2)

Employee code: 10 digits (0 to 9999999999)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[4 WORK FORCE]** button to display the menu, and touch the **[2 EMPLOYEE]** button to display the detail menu.

(3) Touch the **[1 EMPLOYEE ID]** button to display the employee list.

(4) Touch or enter the employee number and touch the **[ENTER]** key to program the employee data.

(5) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (5) satisfactorily.

(6) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
SECRET CODE	8 digits (00000001 to 99999999/00000000)	Employee secret code
NAME	8 characters	Employee name
CASHIER CODE	4 digits (0001 to 9999)	Cashier code link
AUTHORITY LEVEL	1 digit (1 to 5) (Low 1 → 5 High)	Authority level
DAILY STD.HOURS	3 digits (0 to 999)	Daily standard hours
DAILY OT HOURS	3 digits (0 to 999)	Daily over-time hours
WEEKLY STD.HOURS	3 digits (0 to 999)	Weekly standard hours
WEEKLY OT HOURS	3 digits (0 to 999)	Weekly over-time hours
LOCATION#1	2 digits (1 to 99/0)	Job location 1
LOCATION#2	2 digits (1 to 99/0)	Job location 2
LOCATION#3	2 digits (1 to 99/0)	Job location 3
LOCATION#4	2 digits (1 to 99/0)	Job location 4
LOCATION#5	2 digits (1 to 99/0)	Job location 5
LOCATION#6	2 digits (1 to 99/0)	Job location 6
LOCATION#7	2 digits (1 to 99/0)	Job location 7
AUTO SHIFT FUNC.	ENABLE/DISABLE	AUTO shift function
OPEN TIME	4 digits: Hour 2 digits (01 to 12)/Minute 2 digits (00 to 59)	AUTO shift open time
OPEN TIME AM/PM	AM/PM	AUTO shift open time AM/PM selection
CLOSE TIME	4 digits: Hour 2 digits (01 to 12)/Minute 2 digits (00 to 59)	AUTO shift close time
CLOSE TIME AM/PM	AM/PM	AUTO shift close time AM/PM selection

NOTE *When the "DEL" key is touched on table number selection menu, the table is deleted.*

■ Job location tables

(4 WORK FORCE → 2 EMPLOYEE → 2 **JOB LOCATION TABLES** .... PGM2)

Job location table no.: 2 digits (0 to 99)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[4 WORK FORCE]** button to display the menu, and touch the **[2 EMPLOYEE]** button to display the detail menu.

(3) Touch the **[2 JOB LOCATION TABLE]** button to display the job location list.

(4) Touch or enter the job location number and touch the **[ENTER]** key to program the job location data.

(5) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (5) satisfactorily.

(6) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TEXT	16 characters	Text
SALARY AMOUNT	4 digits (0 to 9999)	Salary pay amount
OVER-TIME RATE1	3 digits (0.00 to 9.99)	Over-time pay rate1
OVER-TIME RATE2	3 digits (0.00 to 9.99)	Over-time pay rate2

NOTE *When the "DEL" key is touched on table number selection menu, the table is deleted.*

■ Labor cost (4 WORK FORCE → 3 **LABOR COST** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[4 WORK FORCE]** button to display the menu, and touch the **[3 LABOR COST]** button to program the labor cost data.

(3) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
PAY PERIOD	**NOT USED**/MONTHLY/SEMI-MONTHRY	Pay period
PERIOD1 START	2 digits (01-99)	Period 1 start
PERIOD2 START	2 digits (**01**-99)	Period 2 start
PAY FOR BREAK	**NO**/YES	Break is included in work time

■ **Contact less key** (4 WORK FORCE →4 CASHIER KEY →1 **CONTACTLESS KEY** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[4 WORK FORCE]** button to display the menu, and touch the **[4 CASHIER KEY]** button to display the detail menu.

(3) Touch the **[1 CONTACTLESS KEY]** button to program the contact less key.

(4) Set the contact less key to define, the programming window is displayed to assign a cashier code.

(5) Enter the cashier code to assign.

(6) To terminate the programming, touch the **[EXIT]** key.
(When the **[EXIT]** key is touched in the programming window, the confirmation window of the cashier code/name is displayed.)

■ **Cashier key data maintenance**
(4 WORK FORCE →4 CASHIER KEY →2 **CASHIER KEY MAINTENANCE** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[4 WORK FORCE]** button to display the menu, and touch the **[4 CASHIER KEY]** button to display the detail menu.

(3) Touch the **[2 CASHIER KEY MAINTENANCE]** button to display the cashier code entry window.

(4) Enter the cashier code to delete.

(5) To terminate the programming, touch the **[EXIT]** key.
(When the **[EXIT]** key is touched in the cashier code entry window, the confirmation window of deletion is displayed. If the "YES" is selected, the deletion is performed. If the "NO" is selected, the deletion is cancelled.)

■ Authority level (4 WORK FORCE → 5 **AUTHORITY** .... PGM2)

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[4 WORK FORCE]** button to display the menu, and touch the **[5 AUTHORITY]** button to program the authority level for functions.

(3) Touch the required programming item, and enter the authority level and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
OPXZ MODE	Authority level (Low: **1** → High: 5)	OP X/Z mode
VOID MODE	Authority level (Low: **1** → High: 5)	Void mode
REFUND MODE	Authority level (Low: **1** → High: 5)	Refund mode
SHIFT ENTRY	Authority level (Low: **1** → High: 5)	SHIFT entry
1ST LAST ITEM VD	Authority level (Low: **1** → High: 5)	1st last void
INDIR. VD IN GLU	Authority level (Low: **1** → High: 5)	Indirect void entry at GLU re-order
LEVEL SFT IN	Authority level (Low: **1** → High: 5)	PLU level shift
COMP.COND.CANCEL	Authority level (Low: **1** → High: 5)	Cancel for condiment compulsory by CANCEL key
PRICE CHANGE	Authority level (Low: **1** → High: 5)	Price change function
EAN LEARNING	Authority level (Low: **1** → High: 5)	Learning function of EAN entry
PAY WHEN ST=0	Authority level (Low: **1** → High: 5)	Zero final.
VIP SALE	Authority level (Low: **1** → High: 5)	VIP sale
COPY RECEIPT	Authority level (Low: **1** → High: 5)	Copy receipt
BILL PRINTING	Authority level (Low: **1** → High: 5)	Bill printing
MANY BILL PRINT	Authority level (Low: **1** → High: 5)	Many bill printing
G.C.COPY	Authority level (Low: **1** → High: 5)	G.C. copy
TIP PAID	Authority level (Low: **1** → High: 5)	Tip paid
EDIT TIP	Authority level (Low: **1** → High: 5)	Edit tip entry
SUBTOTAL	Authority level (Low: **1** → High: 5)	Subtotal
MDSE SBTL	Authority level (Low: **1** → High: 5)	MDSE subtotal
TAXABLE SBTL	Authority level (Low: **1** → High: 5)	Taxable subtotal
TRAY SBTL	Authority level (Low: **1** → High: 5)	Tray subtotal
CASH TRANSFER	Authority level (Low: **1** → High: 5)	Cash transfer
LIMIT. OVERRIDE	Authority level (Low: 1 → High: **5**)	Limitation (HALO/LALO) override
COMP. OVERRIDE	Authority level (Low: 1 → High: **5**)	Compulsory (BILL, etc) override
CCD OVERRIDE	Authority level (Low: 1 → High: **5**)	CCD override
TIME EDIT	Authority level (Low: **1** → High: 5)	Time edit

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■ PLU menu keys (5 KEYBOARD FUNCTIONS → 1 **PLU MENU KEYS** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[5 KEYBOARD FUNCTIONS]** button to display the menu, and touch the **[1 PLU MENU KEYS]** button to display the PLU menu key list.

(3) Select the PLU menu key or enter the PLU menu key number, the operation list ("KEY STYLE PRESET"/ "KEY CONTENT PRESET"/ "DELETE THIS KEY") window is displayed. Select the operation.

(4) When the "KEY STYLE PRESET" operation is selected, the following data can be programmed.

Text	Parameter	Classification
MENU TITLE	20 digits text (MENUnnn)	Menu title
KEY COLOR	224 Colors (Fore Color/Back Color) **BLACK/YELLOW**	Key color
KEY SIZE	2x2/VERTICAL DOUBLE/HORIZONTAL DOUBLE/**SINGLE**	Key size
SCREEN NO.	2 digits (1 to 99/**0**)	Screen no.
AFTER MENU ENTRY	STAY/**RETURN**	After menu entry

　　　Touch the corresponding item, and select or enter programming data.

(4)' When the "KEY CONTENT PRESET" operation is selected, the content list window is displayed. Select the content to program, the content programming window is displayed. Select the item type "PLU/PLU MENU/COMBO MEAL/COUPON PLU/INHIBIT", then touch the **[CONTINUE]** button and enter the item number.

(4)'' When the "DELETE THIS KEY" operation is selected, the confirmation window of deletion is displayed. If the "YES" is selected, the deletion is performed. If the "NO" is selected, the deletion is cancelled.

(5) To finish the programming touch the **[EXIT]** key.

■ Function menu keys (5 KEYBOARD FUNCTIONS →2 **FUNCTION MENU KEYS** .... PGM2)

Max. 15 function keys can be programmed.

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[5 KEYBOARD FUNCTIONS]** button to display the menu, and touch the **[2 FUNCTION MENU KEYS]** button to display the function menu key list.

(3) Select the function menu key number, the function key list is displayed.

(4) Select the function key or enter the key number.
Select the "INHIBIT" to delete the function key.

(5) To finish the programming touch the **[EXIT]** key.

■ Direct keys (5 KEYBOARD FUNCTIONS → 3 **DIRECT KEYS** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[5 KEYBOARD FUNCTIONS]** button to display the menu, and touch the **[3 DIRECT KEYS]** button to display the screen list.

(3) Select the corresponding screen, the "SETTING/COPY" selection window is displayed.
To program the key, select the "SETTING". When the "SETTING" is selected, the keyboard screen is displayed.
(If you want to copy another keyboard screen, select "COPY" and select the proper screen.)

(4) Touch the desired key position to program.
The "CREATE NEW DIRECT KEY/EDIT KEY CONTENT/COPY ANOTHER KEY/DELETE THIS KEY" menu is displayed. Select the proper operation from the menu.
- When the "CREATE NEW DIRECT KEY" is selected, the key type window is displayed. Select the key type (PLU MENU#/PLU CODE/COMBO MEAL TBL#/AUTO KEY#/COUPON PLU) and program the key contents.
- When the "EDIT KEY CONTENT " is selected, the key contents window is displayed, program the key contents.
- When the "DELETE THIS KEY" is selected, the required key is deleted.
- If you want to copy another key, select the "COPY ANOTHER KEY" and touch the proper key.

(5) To finish the programming touch the **[EXIT]** key.

<Key contents>

PLU menu no.

Text	Parameter	Classification
PLU MENU#	3 digits (**1** - 999)	PLU menu no.

PLU code

Text	Parameter	Classification
LEVEL1 LEVEL2 : : LEVEL10	6 digits (**1** - 999999) 6 digits (**1** - 999999) : : 6 digits (**1** - 999999)	PLU code

Combo meal table no.

Text	Parameter	Classification
LEVEL1 LEVEL2 : : LEVEL10	3 digits (**1** - 999) 3 digits (**1** - 999) : : 3 digits (**1** - 999)	Combo meal table no.

Auto key no.

Text	Parameter	Classification
AUTO KEY#	3 digits (**1** - 999)	Auto key no.

Coupon PLU no.

Text	Parameter	Classification
COUPON PLU	6 digits (**1** - 999999)	Coupon PLU no.

■ Macro keys (5 KEYBOARD FUNCTIONS → 4 **MACRO KEYS** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[5 KEYBOARD FUNCTIONS]** button to display the menu, and touch the **[4 MACRO KEYS]** button to display the macro key list.

(3) Select the macro key number and program the parameters.

Text	Parameter	Classification
MODE#1	**INHIBIT**/PGM2/PGM1/OPXZ/REG/X1/Z1/ X2/Z2/X3/Z3/X4/Z4	Mode for key1
AUTO KEY#1	3 digits (1 to 999/**0**: INHIBIT)	AUTO key number for key1
MODE#2	**INHIBIT**/PGM2/PGM1/OPXZ/REG/X1/Z1/ X2/Z2/X3/Z3/X4/Z4	Mode for key2
AUTO KEY#2	3 digits (1 to 999/**0**: INHIBIT)	AUTO key number for key2
⋮	⋮	⋮
MODE#15	**INHIBIT**/PGM2/PGM1/OPXZ/REG/X1/Z1/ X2/Z2/X3/Z3/X4/Z4	Mode for key15
AUTO KEY#15	3 digits (1 to 999/**0**: INHIBIT)	AUTO key number for key15

(4) To finish the programming touch the **[EXIT]** key.

■ Capture keys (5 KEYBOARD FUNCTIONS → 5 **CAPTURE KEYS** .... PGM2)

Data capture key no.: 2 digits (1 to 10)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[5 KEYBOARD FUNCTIONS]** button to display the menu, and touch the **[5 CAPTURE KEYS]** button to display the capture key list.

(3) Touch the capture key to program.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TEXT	12 Characters (**CAPTUREnn**)	Capture key text
TEXT PRINT	**NO**/YES	Print data capture key text on R/J,BILL
ENTRY COMPUL	BEGIN/END/**NO** (Enforced at the beginning of transaction/Enforced at the end of transaction/ Not enforced)	Enforcing data capture key
LINK JOB#	2 digits (1-99/**0**:nothing)	Data entry job no.

■ Capture job (5 KEYBOARD FUNCTIONS → 6 **CAPTURE JOB#** .... PGM2)

Data capture job no.: 2 digits (1 to 99)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[5 KEYBOARD FUNCTIONS]** button to display the menu, and touch the **[6 CAPTURE JOB#]** button to display the capture job list.

(3) Touch or enter the capture job number and touch the **[ENTER]** key to program the capturer job data.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
MESSAGE#1	12 Characters (**space**)	Job description (Display message)
ENTRY#1	NUMERIC/CHARACTER/**INHIBIT**	Data entry type
MAX.LENGTH#1	0 to **13** ("0" means same as "ENTRY#1: INHIBIT")	Maximum length of data entry
MIN.LENGTH#1	**0** to 13	Minimum length of data entry
TEXT PRINT#1	**NO**/YES	Print entry data on R/J,BILL

(Continued to the next page.)

Text	Parameter	Classification
MESSAGE#2	12 Characters (**space**)	Job description (Display message)
ENTRY#2	NUMERIC/CHARACTER/**INHIBIT**	Data entry type
MAX.LENGTH#2	0 to **13** ("0" means same as "ENTRY#2: INHIBIT")	Maximum length of data entry
MIN.LENGTH#2	**0** to 13	Minimum length of data entry
TEXT PRINT#2	**NO**/YES	Print entry data on R/J,BILL
MESSAGE#3	12 Characters (**space**)	Job description (Display message)
ENTRY#3	NUMERIC/CHARACTER/**INHIBIT**	Data entry type
MAX.LENGTH#3	0 to **13** ("0" means same as "ENTRY#3: INHIBIT")	Maximum length of data entry
MIN.LENGTH#3	**0** to 13	Minimum length of data entry
TEXT PRINT#3	**NO**/YES	Print entry data on R/J,BILL
MESSAGE#4	12 Characters (**space**)	Job description (Display message)
ENTRY#4	NUMERIC/CHARACTER/**INHIBIT**	Data entry type
MAX.LENGTH#4	0 to **13** ("0" means same as "ENTRY#4: INHIBIT")	Maximum length of data entry
MIN.LENGTH#4	**0** to 13	Minimum length of data entry
TEXT PRINT#4	**NO**/YES	Print entry data on R/J,BILL

NOTE *When the "DEL" key is touched on table number selection menu, the table is deleted.*

■ **Function keys** (5 KEYBOARD FUNCTIONS → 7 **FUNCTION KEYS** .... PGM2)

The POS terminal allows you to program the key text/color of the function keys.

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[5 KEYBOARD FUNCTIONS]** button to display the menu, and touch the **[7 FUNCTION KEYS]** button to display the key group list. Select the key group of a required key.

Key group:
```
01  TEN KEY
02  SYSTEM
03  SCREEN
04  ITEM
05  FUNCTION
06  PAYMENT
07  EMPLOYEE
08  GLU/DRIVE THRU
09  PRINTING
10  OTHER
```

(3) Select the required key and program the parameters.

Text	Parameter	Classification
KEY TEXT	16 digits text	Key text
KEY COLOR	224 Colors (Fore Color/Back Color)	Key color

(4) To finish the programming touch the **[EXIT]** key.

■ **Tax rate** (6 POS FUNCTIONS → 1 TAX → 1 **TAX1 RATE** to 20 **TAX20 RATE** .... PGM2)

Up to 20 tax rates (tax tables or % rates) can be programmed.

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[1 TAX]** button to display the detail menu.

(3) Select the menu "TAXn RATE", the tax rate programming window is displayed.

(4) Select the tax system "TABLE TAX/ % TAX".
When the "TABLE TAX" is selected, the interval selection ("INTERVAL BELOW 0.99/ INTERVAL ABOVE 1.00") window is displayed. Select the proper interval.

(5) Program the parameters of a tax rate.

For % tax:

Text	Parameter	Classification
REVENUE CENTER	1 digit (**1** to 9)	Revenue center
REVENUE TAX NO.	1 digit (**1** to 4)	Tax no.
TAXABLE ST TEXT	16 characters (TAXn ST)	Taxable subtotal text
GROSS TAX TEXT	16 characters (GRS TAXn)	Gross tax text
REFUND TAX TEXT	16 characters (RFD TAXn)	Refund tax text
NET TAX TEXT	16 characters (TAXn)	Net tax text
EXEMPT TAX TEXT	16 characters (TXn EXPT)	Exempt tax text
TAX RATE	7 digits (3 integer + 4 decimal) (0.0000 to 999.9999)	Tax rate
LOWER TAX LIMIT	5 digits (**00000** to 99999)	Lower tax limit

For table tax:

Text	Parameter	Classification
REVENUE CENTER	1 digit (**1** to 9)	Revenue center
REVENUE TAX NO.	1 digit (**1** to 4)	Tax no.
TAXABLE ST TEXT	16 characters (TAXn ST)	Taxable subtotal text
GROSS TAX TEXT	16 characters (GRS TAXn)	Gross tax text
REFUND TAX TEXT	16 characters (RFD TAXn)	Refund tax text
NET TAX TEXT	16 characters (TAXn)	Net tax text
EXEMPT TAX TEXT	16 characters (TXn EXPT)	Exempt tax text
TAX RATE	7 digits (0.0000 to 999.9999)	Tax rate
CYCLE	4 digits (**0001** to 9999)	Tax table cycle
INITIAL TAX	3 digits (**001** to 999)	Initial tax
LOWER TAX LIMIT	5 digits (**00000** to 99999)	Lower tax limit
BREAK POINT1	5 digits (**00000** to 99999)	Break point 1
:	:	:
BREAK POINT72	5 digits (**00000** to 99999)	Break point 72

(6) To finish the programming touch the **[EXIT]** key.

■ Doughnut tax exempt (6 POS FUNCTIONS →1 TAX →21 **DOUGHNUT EXEMPT** .... PGM2)

The quantity for the doughnut tax exempt function can be programmed.

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.
(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[1 TAX]** button to display the detail menu.
(3) Touch the "DOUGHNUT EXEMPT" button to program.
(4) Enter the quantity data and touch the **[ENTER]** key.
(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
QUANTITY	2 digits (1 to 99/**0**)	Quantity

■ Baked food exempt (6 POS FUNCTIONS →1 TAX →22 **BAKED FOOD EXEMPT** .... PGM2)

The quantity for the doughnut tax exempt function can be programmed.
This function is effective for the PLU ("Item of baked food : Yes").

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.
(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[1 TAX]** button to display the detail menu.
(3) Touch the "BAKED FOOD EXEMPT" button to program.
(4) Enter the quantity data and touch the **[ENTER]** key.
(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
QUANTITY	2 digits (1 to 99/**0**)	Quantity

■ **Manual tax** (6 POS FUNCTIONS → 1 TAX → 23 **MANUAL TAX** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[1 TAX]** button to display the detail menu.

(3) Touch the "MANUAL TAX" button to program.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
HALO	8 digits (0 to **999999.99**)	HALO
TEXT	16 characters (**M-TAX**)	Text
DATA ENT.JOB#	2 digits (1 to 99/**0**) [1 to 99 : Data entry compulsory] [0 : Data entry inhibit]	Key data entry number
AUTHORITY LEVEL	1 digit (Lowest: **1** to 5: Highest)	Authority level
REVENUE NO.	1 digit (**1** to 9)	Revenue center no.

■ **Tax delete** (6 POS FUNCTIONS → 1 TAX → 24 **TAX DELETE** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[1 TAX]** button to display the detail menu.

(3) Touch the "TAX DELETE" button to program.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TEXT	16 characters (**TAX DEL.**)	Text (for using PGM mode only)
DATA ENT.JOB#	2 digits (1 to 99/**0**) [1 to 99 : Data Entry Compulsory] [0 : Data Entry Inhibit]	Key data entry number
AUTHORITY LEVEL	1 digit (Lowest: **1** to 5: Highest)	Authority level

■ **Cash keys** (6 POS FUNCTIONS → 2 MEDIA → 1 **CASH KEYS** .... PGM2)

UP to 9 cash keys

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[2 MEDIA]** button to display the detail menu. Then touch the **[1 CASH KEYS]** button to display the cash key list.

(3) Touch the cash key to program the each cash key.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily. For the programming items, refer to the following tables (same as charge keys).

(5) To terminate the programming, touch the **[EXIT]** key.

■ **Check keys** (6 POS FUNCTIONS → 2 MEDIA → 2 **CHECK KEYS** .... PGM2)

UP to 9 check keys

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[2 MEDIA]** button to display the detail menu. Then touch the **[2 CHECK KEYS]** button to display the check key list.

(3) Touch the check key to program the each check key.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily. For the programming items, refer to the following tables (same as charge keys).

(5) To terminate the programming, touch the **[EXIT]** key.

■ **Charge keys** (6 POS FUNCTIONS → 2 MEDIA → 3 **CHARGE KEYS** .... PGM2)

UP to 9 charge keys

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[2 MEDIA]** button to display the detail menu. Then touch the **[3 CHARGE KEYS]** button to display the charge key list.

(3) Touch the charge key to program the each charge key.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TEXT	16 characters (confirm the function list)	Text
TEXT(REFUND)	16 characters (confirm the function list)	Text (refund): only charge
HALO	8 digits (0 - **999999.99**)	HALO
GLU/DRIVE THRU	COMPULSORY/INHIBIT/**ENABLE**	GLU/drive-thru entry
SHORT TENDER	DISABLE/**ENABLE**	Short amount tender

(Continued to the next page.)

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Text	Parameter	Classification
HEADER ON BILL	YES/**NO**	Header printing on bill
FOOTER ON BILL	YES/**NO**	Footer printing on bill
CLOSED GC FILE	RETAINED/**NO RETAINED** (Method of retention on closed GC file)	Closed guest check retention
BILL PRINT	COMPULSORY/**NON-COMPULSORY**	Bill printing compulsory
FOOTER ON RCPT	YES/**NO**	Footer printing on receipt
RECEIPT ISSUE	YES/**NO**	Receipt issuing
BILL PRINTING	YES/**NO**	Bill printing
BILL ON RCPT PRT.	YES/**NO**	Bill printing on receipt
CHANGE DUE	DISABLE/**ENABLE**	Change due enable
NON-ADD# ENTRY	COMPULSORY/**NON-COMPULSORY**	Non-add no. entry
TAXABLE1 DELETE	YES/**NO**	Taxable 1 deletion
TAXABLE2 DELETE	YES/**NO**	Taxable 2 deletion
TAXABLE3 DELETE	YES/**NO**	Taxable 3 deletion
TAXABLE4 DELETE	YES/**NO**	Taxable 4 deletion
DRAWER OPENING	YES/**NO**	Drawer opening
DRAWER OPEN ST=0	YES/**NO**	Drawer opening (ST = 0)
AMOUNT ENTRY	COMPULSORY/**NON-COMPULSORY**/INHIBIT	Tender amount entry
PAY ST<=0	INHIBIT/**ALWAYS**	Finalization by media when ST<=0
EAT IN ENTRY	COMPULSORY/**NON-COMPULSORY**	Eat in entry compulsory
OUTPUT KP NO.1	1 digit (1 to 9/**0**)	Print station
OUTPUT KP NO.2	1 digit (1 to 9/**0**)	Print station
OUTPUT KP NO.3	1 digit (1 to 9/**0**)	Print station
CHIT RECEIPT	YES/**NO**	Print station
DATA ENT.JOB#	2 digits (1 to 99/**0**) [1 to 99 : Data Entry Compulsory] [0 : Data Entry Inhibit]	Key data entry number
AUTO GR.DISC.#	2 digits (1 to 99/**0**) [1 to 99 : Automatic Group Discount Compulsory] [0 : Automatic Group Discount Inhibit]	Automatic group discount#
AUTHORITY LEVEL	1 digit (Lowest: **1** to 5: Highest)	Authority level
TYPE OPERATION	TYPE1 COMPULSORY/ TYPE2 COMPULSORY/ TYPE3 COMPULSORY/ ACCT COMPULSORY/ **NON-COMPULSORY**	Type programming
TYPE1 ACTION CODE	DEBIT/DIAL/**NOT TRANSMIT**	Type1 setting
TYPE2 ACTION CODE	AUTH-ONLY/DIAL/**POST-AUTH**	Type2 setting
TYPE2 TYPE	CHECK/DEBIT/**CREDIT**/GIFT CARD	Type2 setting
TYPE3 ACTION CODE	COMPANY CHECK/TIP ENTRY/ DEBIT-FORCE/CREDIT-FORCE/CHECK/ POST-AUTH/DEBIT-SALE/**CHG-SALE**	Type3 setting
TYPE3 TRANS. TYPE	3 characters (ASCII) : **CAn** **CKn** **CHn**	Type3 setting

(Continued to the next page.)

Text	Parameter	Classification
CARD# PRT.	**YES**/NO	Card number printing
CARD# FORMAT	FULL/**PARTIAL-1**/PARTIAL-2	Card number format
CARD# HIDE DIGIT	2 digits (0-99/**04**)	Card number hide digits
TIP LINE PRT.	**YES**/NO	Tip line printing
SIGN.LINE PRT.	**YES**/NO	Signature line printing
CARD HOLDER PRT.	**YES**/NO	Name of card holder printing
EXPIRATION PRT.	**YES**/NO	Expiration printing
ACCT. BAL. KIND	CARD READER COMPULSORY/OFFLINE COMPULSORY/**ONLINE COMPULSORY**	Account balance kind
NEGATIVE#	YES/**NO**	Negative# check
POSITIVE#	YES/**NO**	Positive# check
NUMBER OF RCPT	1 digit (**1** to 9/0)	Number of authorization receipt
RCPT PRINT LALO	4 digits (**0** to 9999)	Gift card authorization receipt print LALO
IC CARD	YES/**NO**	IC card

■ **Eat-in keys** (6 POS FUNCTIONS → 2 MEDIA → 4 **EAT-IN KEYS** .... PGM2)

UP to 9 eat-in keys

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[2 MEDIA]** button to display the detail menu. Then touch the **[4 EAT-IN KEYS]** button to display the eat-in key list.

(3) Touch the eat-in key to program the each eat-in key.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TEXT	16 characters (**EAT IN n**)	Text
TAXABLE1 DELETE	YES/**NO**	Programming
TAXABLE2 DELETE	YES/**NO**	Programming
TAXABLE3 DELETE	YES/**NO**	Programming
TAXABLE4 DELETE	YES/**NO**	Programming
OUTPUT KP No.1	1 digit (1 to 9/**0**)	Print station
OUTPUT KP No.2	1 digit (1 to 9/**0**)	Print station
OUTPUT KP No.3	1 digit (1 to 9/**0**)	Print station
CHIT RECEIPT	YES/**NO**	Print station
CVM1 CTRL CHAR.	3 digits (**0** to 255)	CVM1 control character
CVM2 CTRL CHAR.	3 digits (**0** to 255)	CVM2 control character
AUTHORITY LEVEL	1 digit (Lowest: **1** to 5: Highest)	Authority level

■ Service key (6 POS FUNCTIONS → 2 MEDIA → 5 **SERVICE KEY** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[2 MEDIA]** button to display the detail menu. Then touch the **[5 SERVICE KEY]** button to program the service key.

(3) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TEXT(GLU)	16 characters (**SERVICE**)	Text (GLU)
TEXT(DRIVE THRU)	16 characters (**SERVICE2**)	Text (drive thru)
HEADER ON BILL	YES/**NO**	Header printing on bill
FOOTER ON BILL	YES/**NO**	Footer printing on bill
BILL PRINT	COMPULSORY/**NON-COMPULSORY**	Bill printing compulsory
RECEIPT ISSUE	YES/**NO**	Receipt issuing
BILL PRINTING	YES/**NO**	Bill printing
BILL ON RCPT PRT.	YES/**NO**	Bill printing on receipt
OUTPUT KP NO.1	1 digit (1 to 9/**0**)	Print station
OUTPUT KP NO.2	1 digit (1 to 9/**0**)	Print station
OUTPUT KP NO.3	1 digit (1 to 9/**0**)	Print station
CHIT RECEIPT	YES/**NO**	Print station
DATA ENT.JOB#	2 digits (1 to 99/**0**) [1 to 99 : Data Entry Compulsory] [0 : Data Entry Inhibit]	Key data entry number
TYPE OPERATION	TYPE1 COMPULSORY/ TYPE2 COMPULSORY/ TYPE3 COMPULSORY/ ACCT COMPULSORY/ **NON-COMPULSORY**	Type programming
TYPE1 ACTION CODE	DEBIT/DIAL/**NOT TRANSMIT**	Type1 setting
TYPE2 ACTION CODE	AUTH-ONLY/DIAL/**POST-AUTH**	Type2 setting
TYPE2 TYPE	CHECK/DEBIT/**CREDIT**/GIFT CARD	Type2 setting
TYPE3 ACTION CODE	COMPANY CHECK/TIP ENTRY/ DEBIT-FORCE/CREDIT-FORCE/ CHECK/POST-AUTH / DEBIT-SALE/ **CHG-SALE**	Type3 setting
TYPE3 TRANS. TYPE	3 characters (ASCII) : (**SRV**)	Type3 setting
CARD# PRT.	**YES**/NO	Card number printing
CARD# FORMAT	FULL/**PARTIAL-1**/PARTIAL-2	Card number format
CARD# HIDE DIGIT	2 digits (0-99/**04**)	Card number hide digits
TIP LINE PRT.	**YES**/NO	Tip line Printing
SIGN.LINE PRT.	**YES**/NO	Signature line printing
CARD HOLDER PRT.	**YES**/NO	Name of card holder printing

(Continued to the next page.)

Text	Parameter	Classification
EXPIRATION PRT.	**YES**/NO	Expiration printing
ACCT. BAL. KIND	CARD READER COMPULSORY/OFFLINE COMPULSORY/**ONLINE COMPULSORY**	Account balance kind
NEGATIVE#	YES/**NO**	Negative# checck
POSITIVE#	YES/**NO**	Positive# check
NUMBER OF RCPT	1 digit (**1** to 9/0)	Number of authorization receipt
RCPT PRINT LALO	4 digits (**0** to 9999)	Gift card authorization receipt print LALO
IC CARD	YES/**NO**	IC card

■ Final key (6 POS FUNCTIONS → 2 MEDIA → 6 **FINAL KEY** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[2 MEDIA]** button to display the detail menu. Then touch the **[6 FINAL KEY]** button to program the final key.

(3) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
HEADER ON BILL	YES/**NO**	Header printing on bill
FOOTER ON BILL	YES/**NO**	Footer printing on bill
BILL PRINT	COMPULSORY/**NON-COMPULSORY**	Bill printing compulsory
RECEIPT ISSUE	YES/**NO**	Receipt issuing
BILL PRINTING	YES/**NO**	Bill printing
BILL ON RCPT PRT.	YES/**NO**	Bill printing on receipt
OUTPUT KP NO.1	1 digit (1 to 9/**0**)	Print station
OUTPUT KP NO.2	1 digit (1 to 9/**0**)	Print station
OUTPUT KP NO.3	1 digit (1 to 9/**0**)	Print station
CHIT RECEIPT	YES/**NO**	Print station
DATA ENT.JOB#	2 digits (1 to 99/**0**) [1 to 99 : Data Entry Compulsory] [0 : Data Entry Inhibit]	Key data entry number
TYPE OPERATION	TYPE1 COMPULSORY/ TYPE2 COMPULSORY/ TYPE3 COMPULSORY/ ACCT COMPULSORY/**NON-COMPULSORY**	Type programming
TYPE1 ACTION CODE	DEBIT/DIAL/**NOT TRANSMIT**	Type1 setting
TYPE2 ACTION CODE	AUTH-ONLY/DIAL/P**OST-AUTH**	Type2 setting
TYPE2 TYPE	CHECK/DEBIT/**CREDIT**/GIFT CARD	Type2 setting
TYPE3 ACTION CODE	COMPANY CHECK/TIP ENTRY/ DEBIT-FORCE/CREDIT-FORCE/CHECK/ POST-AUTH/DEBIT-SALE/**CHG-SALE**	Type3 setting

(Continued to the next page.)

Text	Parameter	Classification
TYPE3 TRANS. TYPE	3 characters (ASCII) : (**FIN**)	Type3 setting
CARD# PRT.	**YES**/NO	Card number printing
CARD# FORMAT	FULL/**PARTIAL-1**/PARTIAL-2	Card number format
CARD# HIDE DIGIT	2 digits (0-99/**04**)	Card number hide digits
TIP LINE PRT.	**YES**/NO	Tip line printing
SIGN.LINE PRT.	**YES**/NO	Signature line printing
CARD HOLDER PRT.	**YES**/NO	Name of card holder printing
EXPIRATION PRT.	**YES**/NO	Expiration printing
ACCT. BAL. KIND	CARD READER COMPULSORY/OFFLINE COMPULSORY/**ONLINE COMPULSORY**	Account balance kind
NEGATIVE#	YES/**NO**	Negative# check
POSITIVE#	YES/**NO**	Positive# check
NUMBER OF RCPT	1 digit (**1** to 9/0)	Number of authorization receipt
RCPT PRINT LALO	4 digits (**0** to 9999)	Gift card authorization receipt print LALO
IC CARD	YES/**NO**	IC card

■ **Check change** (6 POS FUNCTIONS → 2 MEDIA → 7 **CHANGE POLICY** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[2 MEDIA]** button to display the detail menu. Then touch the **[7 CHANGE POLICY]** button to program for the check change.

(3) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TEXT	16 characters (**CHK/CG**)	Text
HALO	8 digits (0 to **999999.99**)	HALO

■ Conversion rates

(6 POS FUNCTIONS → 3 CONVERSION RATES → 1 **CONVERSION RATES** .... PGM2)

UP to 4 conversion rates

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[3 CONVERSION RATES]** button to display the detail menu. Then touch the **[1 CONVERSION RATES]** button to display the conversion rate list.

(3) Select the conversion rate from the list.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
RATE	**0** to 9999.9999	Rate
TEXT	16 characters (**CONV n**)	Text
DESCRIPTOR	4 characters (**space**)	Currency Descriptor
DRAWER OPEN ST=0	YES/**NO**	Drawer Open at ST=0
DRAWER NO.	1 digit (**0** to 2)	Foreign currency Drawer No.
AUTHORITY LEVEL	1 digit (Lowest: **1** to 5: Highest)	Authority Level

■ Money type (6 POS FUNCTIONS → 3 CONVERSION RATES → 2 **MONEY** .... PGM2)

UP to 20 money type

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[3 CONVERSION RATES]** button to display the detail menu. Then touch the **[2 MONEY]** button to display the money type list.

(3) Select the money type from the list.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TEXT	16 characters	Function Text
AMOUNT	6 digits	Amount

The default data is the followings;

Classification	Default text	Default amount
MONEY1	1 CENTS	0.01
MONEY2	5 CENTS	0.05
MONEY3	10 CENTS	0.10
MONEY4	25 CENTS	0.25
MONEY5	50 CENTS	0.50
MONEY6	100 CENTS	1.00
MONEY7	1$	1.00
MONEY8	2$	2.00
MONEY9	5$	5.00
MONEY10	10$	10.00
MONEY11	20$	20.00
MONEY12	50$	50.00
MONEY13	100$	100.00

■ (-) keys (3 POS FUNCTIONS → 1 **SALE/ITEM COUPONS** .... PGM1)
(6 POS FUNCTIONS → 4 FUNCTIONS → 1 **SALE/ITEM COUPONS** .... PGM2)

UP to 99 (-) keys

Procedure

(1) Select the PGM1 or PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) In the PGM1 mode, touch the **[3 POS FUNCTIONS]** button to display the menu, and touch the **[1 SALE/ITEM COUPONS]** button to display the (-) key list.

(2)' In the PGM2 mode, touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[4 FUNCTIONS]** button to display the detail menu. Then touch the **[1 SALE/ITEM COUPONS]** button to display the (-) key list.

(3) Select the (-) key to program each (-) key.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
AMOUNT	6 digits (**0** to 999999)	Amount
TEXT	16 characters (**(–) n**)	Text
SIGN	**–**/+	Sign
TAXABLE1	YES/**NO**	Taxable 1
TAXABLE2	YES/**NO**	Taxable 2
TAXABLE3	YES/**NO**	Taxable 3
TAXABLE4	YES/**NO**	Taxable 4
GR.DISC.	2 digits (1 to 99/**0**)	Group discount
GR.DISC.	2 digits (1 to 99/**0**)	Group discount
GR.DISC.	2 digits (1 to 99/**0**)	Group discount
TEFRA	YES/**NO**	TEFRA
HALO	7 digits (0 to **9999999**)	HALO
ENTRY TYPE	ITEM/**SBTL**/BOGO	Entry type
ASSOCIATED DEPT.	2 digits (1 to 99/**0**)	Coupon table
DATA ENT.JOB#	2 digits (1 to 99/**0**) [1 to 99 : Data entry compulsory] [0 : Data entry inhibit]	Key data entry number
AUTHORITY LEVEL	1 digit (Lowest: **1** to 5: Highest)	Authority level
EXPIRY DATE	6 digits (mmddyy: **000000**)	Expiry date
REVENUE NO.	1 digit (**1** to 9)	Revenue center no.

■ **% keys** (3 POS FUNCTIONS → 2 **SALE/ITEM DISCOUNTS** .... PGM1)

(6 POS FUNCTIONS → 4 FUNCTIONS → 2 **SALE/ITEM DISCOUNTS** .... PGM2)

UP to 99 % keys

Procedure

(1) Select the PGM1 or PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) In the PGM1 mode, touch the **[3 POS FUNCTIONS]** button to display the menu, and touch the **[2 SALE/ITEM DISCOUNTS]** button to display the (%) key list.

(2)' In the PGM2 mode, touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[4 FUNCTIONS]** button to display the detail menu. Then touch the **[2 SALE/ITEM DISCOUNTS]** button to display the (%) key list.

(3) Select the (%) key to program each (%) key.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
RATE	5 digits (**0** to 100.00)	Rate
TEXT	16 characters (**% n**)	Text
SIGN	–/+	Sign
TAXABLE1	YES/**NO**	Taxable 1
TAXABLE2	YES/**NO**	Taxable 2
TAXABLE3	YES/**NO**	Taxable 3
TAXABLE4	YES/**NO**	Taxable 4
%HALO	5 digits (0 to **100.00**)	%HALO
GR.DISC.	2 digits (1 to 99/**0**)	Group discount
GR.DISC.	2 digits (1 to 99/**0**)	Group discount
GR.DISC.	2 digits (1 to 99/**0**)	Group discount
TEFRA	YES/**NO**	TEFRA
ENTRY TYPE	ITEM/**SBTL**	Entry type
ASSOCIATED DEPT.	2 digits (1 to 99/**0**)	Percent table
DATA ENT.JOB#	2 digits (1 to 99/**0**) [1 to 99 : Data entry compulsory] [0 : Data entry inhibit]	Key data entry number
AUTHORITY LEVEL	1 digit (Lowest: **1** to 5: Highest)	Authority level
EXPIRY DATE	6 digits (mmddyy: **000000**)	Expiry date
REVENUE NO.	1 digit (**1** to 9)	Revenue center no.

■ Group discount (3 POS FUNCTIONS →3 GROUP DISCOUNTS .... PGM1)
(6 POS FUNCTIONS →4 FUNCTIONS →3 GROUP DISCOUNTS .... PGM2)

UP to 99 group discounts

Procedure

(1) Select the PGM1 or PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) In the PGM1 mode, touch the **[3 POS FUNCTIONS]** button to display the menu, and touch the **[3 GROUP DISCOUNTS]** button to display the group discount key list.

(2)' In the PGM2 mode, touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[4 FUNCTIONS]** button to display the detail menu. Then touch the **[3 GROUP DISCOUNTS]** button to display the group discount key list.

(3) Select the group discount key to program each group discount key.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
RATE	5 digits (**0** to 100.00)	Rate
TEXT (%)	16 characters (**GDISC%n**)	Text for group discount
TEXT (ST)	16 characters (**GDn ST**)	Text for group subtotal
SIGN	–/**+**	Sign
TAXABLE1	YES/**NO**	Taxable 1
TAXABLE2	YES/**NO**	Taxable 2
TAXABLE3	YES/**NO**	Taxable 3
TAXABLE4	YES/**NO**	Taxable 4
%HALO	5 digits (0 to **100.00**)	%HALO
TEFRA	YES/**NO**	TEFRA
DATA ENT.JOB#	2 digits (1 to 99/**0**) [1 to 99 : Data entry compulsory] [0 : Data entry inhibit]	Key data entry number
AUTHORITY LEVEL	1 digit (Lowest: **1** to 5: Highest)	Authority level
REVENUE NO.	1 digit (**1** to 9)	Revenue center no.

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■ Vender coupon UPC

(6 POS FUNCTIONS → 4 FUNCTIONS → 4 **VENDER COUPON UPC** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) In the PGM2 mode, touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[4 FUNCTIONS]** button to display the detail menu. Then touch the **[4 VENDER COUPON UPC]** button to program for the vender coupon UPC.

(3) Enter the revenue center number and touch the **[ENTER]** key.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
REVENUE NO.	1 digit (**1** to 9)	Revenue center no.

■ Tip   (3 POS FUNCTIONS → 4 **TIP** .... PGM1)
(6 POS FUNCTIONS → 4 FUNCTIONS → 5 **TIP** .... PGM2)

Procedure

(1) Select the PGM1 or PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) In the PGM1 mode, touch the **[3 POS FUNCTIONS]** button to display the menu, and touch the **[4 TIP]** button to program for the tip function.

(2)' In the PGM2 mode, touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[4 FUNCTIONS]** button to display the detail menu. Then touch the **[5 TIP]** button to program for the tip function.

(3) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
RATE	5 digits (**0** to 100.00)	Rate
TEXT	16 characters (**TIP**)	Text
OVER TEND TIP	YES/**NO**	Over tender is tip.
HALO	7 digits (0 to **9999999**)	HALO

■ RA functions (6 POS FUNCTIONS → 4 FUNCTIONS → 6 **RA FUNCTIONS** .... PGM2)

UP to 9 RA keys

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[4 FUNCTIONS]** button to display the detail menu. Then touch the **[6 RA FUNCTIONS]** button to display the RA list.

(3) Select the RA from the list.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
HALO	8 digits (0 to **99999999**)	HALO
TEXT	16 characters (∗∗∗**RAn**)	Text
TYPE	ACCT COMPULSORY/**NON-COMPULSORY**	Type1 programming
ACCT. BAL. KIND	CARD READER COMPULSORY/OFFLINE COMPULSORY/**ONLINE COMPULSORY**	Account balance kind
NEGATIVE#	YES/**NO**	Negative# check
POSITIVE#	YES/**NO**	Positive# check
DATA ENT.JOB#	2 digits (1 to 99/**0**) [1 to 99 : Data entry compulsory] [0 : Data entry inhibit]	Key data entry number
AUTHORITY LEVEL	1 digit (Lowest: **1** to 5: Highest)	Authority level

■ PO functions (6 POS FUNCTIONS → 4 FUNCTIONS → 7 **PO FUNCTIONS** .... PGM2)

UP to 9 PO keys

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[4 FUNCTIONS]** button to display the detail menu. Then touch the **[7 PO FUNCTIONS]** button to display the PO list.

(3) Select the PO from the list.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
HALO	8 digits (0 to **99999999**)	HALO
TEXT	16 characters (∗∗∗**POn**)	Text
DATA ENT.JOB#	2 digits (1 to 99/**0**) [1 to 99 : Data entry compulsory] [0 : Data entry inhibit]	Key data entry number
AUTHORITY LEVEL	1 digit (Lowest: **1** to 5: Highest)	Authority level

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■ No sale (6 POS FUNCTIONS → 4 FUNCTIONS → 8 **NO SALE** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) In the PGM2 mode, touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[4 FUNCTIONS]** button to display the detail menu. Then touch the **[8 NO SALE]** button to program for the no-sale function.

(3) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TEXT	16 characters (**NO SALE**)	Text
DATA ENT.JOB#	2 digits (1 to 99/**0**) [1 to 99 : Data entry compulsory] [0 : Data entry inhibit]	Key data entry number
AUTHORITY LEVEL	1 digit (Lowest: **1** to 5: Highest)	Authority level

■ Direct void (6 POS FUNCTIONS → 4 FUNCTIONS → 9 VOID → 1 **DIRECT VOID** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[4 FUNCTIONS]** button to display the detail menu. Then touch the **[9 VOIDS]** button to display the void function list.

(3) Select the "DIRECT VOID" from the list.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily. For the programming items, refer to the following tables.

(5) To terminate the programming, touch the **[EXIT]** key.

■ Indirect void (6 POS FUNCTIONS →4 FUNCTIONS →9 VOID →2 **INDIRECT VOID** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[4 FUNCTIONS]** button to display the detail menu. Then touch the **[9 VOIDS]** button to display the void function list.

(3) Select the "INDIRECT VOID" from the list.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily. For the programming items, refer to the following tables.

(5) To terminate the programming, touch the **[EXIT]** key.

■ **Printed void** (6 POS FUNCTIONS →4 FUNCTIONS →9 VOID →3 **PRINTED VOID** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[4 FUNCTIONS]** button to display the detail menu. Then touch the **[9 VOIDS]** button to display the void function list.

(3) Select the "PRINTED VOID" from the list.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily. For the programming items, refer to the following tables.

(5) To terminate the programming, touch the **[EXIT]** key.

■ **Subtotal void** (6 POS FUNCTIONS →4 FUNCTIONS →9 VOID →4 **SUBTOTAL VOID** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[4 FUNCTIONS]** button to display the detail menu. Then touch the **[9 VOIDS]** button to display the void function list.

(3) Select the "SUBTOTAL VOID" from the list.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily. For the programming items, refer to the following tables.

(5) To terminate the programming, touch the **[EXIT]** key.

■ **Check void** (6 POS FUNCTIONS → 4 FUNCTIONS → 9 VOID → 5 **CHECK VOID** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[4 FUNCTIONS]** button to display the detail menu. Then touch the **[9 VOIDS]** button to display the void function list.

(3) Select the "CHECK VOID" from the list.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily. For the programming items, refer to the following tables.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TEXT	16 characters; (**DIR VD**) : Direct void (**NONP VD**) : Indirect void (**PRNT VD**) : Printed void (**SBTL VD**) : Subtotal void (**CHK VD**) : Check void	Text
DATA ENT.JOB#	2 digits (1 to 99/**0**) [1 to 99 : Data entry compulsory] [0 : Data entry inhibit]	Key data entry number
AUTHORITY LEVEL	1 digit (Lowest: **1** to 5: Highest)	Authority level

■ **Refund** (6 POS FUNCTIONS → 4 FUNCTIONS → 10 REFUND → 1 **REFUND** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[4 FUNCTIONS]** button to display the detail menu. Then touch the **[10 REFUND]** button to display the refund function list.

(3) Select the "REFUND" from the list.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily. For the programming items, refer to the following tables.

(5) To terminate the programming, touch the **[EXIT]** key.

■ **Return** (6 POS FUNCTIONS → 4 FUNCTIONS → 10 REFUND → 2 **RETURN** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[4 FUNCTIONS]** button to display the detail menu. Then touch the **[10 REFUND]** button to display the refund function list.

(3) Select the "RETURN" from the list.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily. For the programming items, refer to the following tables.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TEXT	16 characters; (**REFUND**) : Refund (**RETURN**) : Return	Text
DATA ENT.JOB#	2 digits (1 to 99/**0**) [1 to 99 : Data entry compulsory] [0 : Data entry inhibit]	Key data entry number
AUTHORITY LEVEL	1 digit (Lowest: **1** to 5: Highest)	Authority level

■ Non add code (6 POS FUNCTIONS → 4 FUNCTIONS → 11 **NON ADD CODE** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) In the PGM2 mode, touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[4 FUNCTIONS]** button to display the detail menu. Then touch the **[11 NON ADD CODE]** button to program for the non-add code.

(3) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TEXT	8 characters (**#**)	Text
DATA ENT.JOB#	2 digits (1 to 99/**0**) [1 to 99 : Data entry compulsory] [0 : Data entry inhibit]	Key data entry number
AUTHORITY LEVEL	1 digit (Lowest: **1** to 5: Highest)	Authority level

■ Free text (6 POS FUNCTIONS → 4 FUNCTIONS → 12 **FREE TEXT** .... PGM2)

Free text no.: 2 digits (1 to 99)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[4 FUNCTIONS]** button to display the detail menu. Then touch the **[12 FREE TEXT]** button to display the free text list.

(3) Select the free text from the list.

(4) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (4) satisfactorily.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TEXT	16 characters (**TEXTnn**)	Text
FREE TEXT TYPE	FOR ORDER/**FOR ITEM**	Free text type
ASSIGNED KP	1 digit (1 to 9/**0**)	Assigned KP
PRINTED ON	**TOP OF KP**/BOTTOM OF KP	Printed on
CVM1 CTRL CHAR.	3 digits (**0** to 255)	CVM1 control character
CVM2 CTRL CHAR.	3 digits (**0** to 255)	CVM2 control character

■ Negative code (6 POS FUNCTIONS → 5 **NEGATIVE#** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[5 NEGATIVE#]** button to display the negative code list.

(3) Select the negative code or enter the negative code by using the "NUMBER ENTRY" menu.

(4) Program the following data for the negative code.

Text	Parameter	Classification
AUTHORITY LEVEL	1 digit (Lowest: 1 to **5**: Highest)	Authority level

To delete the negative code, touch the **[DELETE]** key.

(5) To finish the programming touch the **[EXIT]** key.

■ Positive code (6 POS FUNCTIONS → 5 **POSITIVE#** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[6 POS FUNCTIONS]** button to display the menu, and touch the **[6 POSITIVE#]** button to program the positive code.

(3) Enter the positive code by using the "NUMBER ENTRY" menu.
To delete the positive code, touch the required code. The confirmation window is displayed, then touch the "YES" bottom.

(4) To finish the programming touch the **[EXIT]** key.

■ Report zero skip (7 TERMINAL → 1 REPORTS → 1 **ZERO SKIP** .... PGM2)

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[1 REPORTS]** button to display the detail menu. Then touch the **[1 ZERO SKIP]** button to program the zero skip data.

(3) Touch the required programming item, and select each parameter and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
CASHIER	NOT SKIP/**SKIP**	CASHIER report
TRANSACTION	NOT SKIP/**SKIP**	Transaction report
DEPARTMENT	NOT SKIP/**SKIP**	DEPT. report
PLU	NOT SKIP/**SKIP**	PLU report
HOURLY	NOT SKIP/**SKIP**	Hourly report
DAILY NET	NOT SKIP/**SKIP**	Daily net report
SCM	NOT SKIP/**SKIP**	SCM report
DISCOUNT FOR PLU	NOT SKIP/**SKIP**	Discount for PLU report
TAX	NOT SKIP/**SKIP**	Tax report

■ Report print options

(7 TERMINAL → 1 REPORTS → 2 **REPORT PRINT OPTIONS** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[1 REPORTS]** button to display the detail menu. Then touch the **[2 REPORT PRINT OPTIONS]** button to program the print options.

(3) Touch the required programming item, and select each parameter and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
SHARE%	NOT PRINT/PRINT (Share% printing in department report)	Share% printing
GT REVENUE	NOT PRINT/**PRINT**	GT in revenue report
TRANS REVENUE	NOT PRINT/**PRINT**	Trans in revenue report
TAX ST	NOT PRINT/**PRINT**	TAX ST is printed between NET1 & NET2
NET PRT(CASHIER)	NOT PRINT/**PRINT**	NET is printed on cashier report
NET PRT(CID)	NOT PRINT/**PRINT**	NET is printed on CID report
OPN GLU REPO CT	NOT PRINT/**PRINT**	When the cover count is set as "Non-Compulsory" then the COVER CT is not printed on open GLU report
CLS GLU REPO CT	NOT PRINT/**PRINT**	When the cover count is set as "Non-Compulsory" then the COVER CT is not printed on closed GLU report
OPN GLU BY CAH CT	NOT PRINT/**PRINT**	When the cover count is set as "Non-Compulsory" then the COVER CT is not printed on open GLU by cashier report
CLS GLU BY CAH CT	NOT PRINT/**PRINT**	When the cover count is set as "Non-Compulsory" then the COVER CT is not printed on closed GLU by cashier report

■ Department group projection

(7 TERMINAL → 1 REPORTS → 3 **DEPT GR. PROJECTION** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[1 REPORTS]** button to display the detail menu. Then touch the **[3 DEPT GR. PROJECTION]** button to program the group projection.

(3) Touch the required programming item, and enter each group number and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
DEPT GR. No.#1	2 digits (1 to 99/**0**) Dept group no. : (0: undefined)	Dept group #1
DEPT GR. No.#2	2 digits (1 to 99/**0**) Dept group no. : (0: undefined)	Dept group #2
:	:	:
:	:	:
DEPT GR. No.#25	2 digits (1 to 99/**0**) Dept group no. : (0: undefined)	Dept group #25

■ Hourly report (7 TERMINAL → 1 REPORTS → 4 **HOURLY REPORT** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[1 REPORTS]** button to display the detail menu. Then touch the **[4 HOURLY REPORT]** button to program for the hourly report.

(3) Touch the required programming item, and select or enter each parameter and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
MEMORY TYPE	15MIN/**30MIN**/60MIN	Memory type
STARTING TIME	2 digits (1 to **12**)	Starting time
START TIME AM/PM	**AM**/PM	Starting time AM/PM

NOTE

- *This setting effect both setting to HOURLY, LABOR COST% REPORT.*
- *This setting effect only starting time to SERVICE TIME REPORT.*

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■ **Stacked report** (7 TERMINAL → 1 REPORTS → 5 **STACKED REPORT** .... PGM2)

Up to 2 stacked reports (STACKED REPORT1 or STACKED REPORT2)

Text	Parameter	Classification
STACKED REPORT	Max. 20 reports	Stacked report

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[1 REPORTS]** button to display the detail menu. Then touch the **[5 STACKED REPORT]** button to program the stacked report.

(3) Select the "STACKED REPORT 1" or "STACKED REPORT 2".

(4) Select the contents number (01 to 20) by using the **[▼]** or **[▲]** key, and touch the [ENTER] key to display the report list.
To delete the report contents, select the contents number (01 to 20) by using the **[▼]** or **[▲]** key, and touch the **[DELETE]** key.

(5) Select the proper report from the report list.
When the report with the range data is selected, the sub-parameters window is displayed, enter the range data.

(6) To finish the programming touch the **[EXIT]** key.

<Report list>

REVENUE DEPARTMENT GROUP
REVENUE TRANSACTION
SALES COMPARISON
DEPARTMENT GROUP COMPARISON
DISCOUNT BY REVENUE
MEDIA TYPE BY REVENUE
TAX BY REVENUE
HOURLY BY REVENUE
DAILY SUMMARY BY REVENUE

ALL CASHIER
INDIVIDUAL CASHIER

CASHIER SUMMARY
CID
TAX
SCM

DEPARTMENT GROUP
DEPARTMENT
PLU/UPC
PLU/UPC BY DEPARTMENT
PLU/UPC WATCH LIST
THEORETICAL FOOD COST%
DEPARTMENT GROUP PROJECTION
PIECE COUNT
TRANSACTION
DAILY SUMMARY
DYNAMIC UPC
DYNAMIC UPC BY DEPARTMENT
DYNAMIC UPC WATCH LIST
NON ACCESSED UPC
DYNAMIC UPC CLEAR
DYNAMIC UPC CLEAR BY DEPT.

HOURLY
DEPARTMENT GROUP HOURLY
CAR # HOURLY

COUPON/DISCOUNT TOTAL
COUPON/DISCOUNT BY DEPARTMENT
COUPON

OPEN GLU
OPEN GLU BY CASHIER
CLOSED CHECK
CLOSED CHECK BY CASHIER
DRIVE THRU
DRIVE THRU BY CASHIER
CLOSED DRIVE THRU
CLOSED DRIVE THRU BY CASHIER
SERVICE TIME

ALL EMPLOYEE TEFRA

TEFRA BY EMPLOYEE LIST
TEFRA SUMMARY
EMPLOYEE
EMPLOYEE SUMMARY
PAY PERIOD
PAY PERIOD SUMMARY
EMPLOYEE OVER TIME
LABOR COST %
DAILY LABOR COST%
EMPLOYEE TIME CALCULATION
EMPLOYEE TIME ADJUSTMENT
EMPLOYEE ACTIVE STATUS

KEY CAPTURE DATA

■ TEFRA rate (7 TERMINAL → 1 REPORTS → 6 **TEFRA RATE** .... PGM2)

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[1 REPORTS]** button to display the detail menu. Then touch the **[6 TEFRA RATE]** button to program the TEFRA rate.

(3) Enter the TEFRA rate and touch the **[ENTER]** key.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TEFRA RATE	**0** to 100.00%	TEFRA rate

■ Maintenance data create/modify/delete
(7 TERMINAL → 2 MAINTENANCE → 1 **MAINTENANCE DATA CREATE** .... PGM2)

The programming data can be provided into the maintenance file in advance. The following maintenance data can be created.
    1 PLU/UPC
    2 COUPON PLU
    3 CONDIMENT TABLES
    4 COMBO MEAL TABLES
    5 LINK PLU/UPC TABLES
    6 SET PLU TABLES
    7 MIX&MATCH TABLES
    8 PLU MENU KEYS
    9 SALE/ITEM COUPONS
   10 SALE/ITEM DISCOUNTS

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[2 MAINTENANCE]** button to display the detail menu. Then touch the **[1 MAINTENANCE DATA CREATE]** button to display the maintenance data list.

(3) Select the required data file, the maintenance data window is displayed.

(4) To create the new maintenance data;
    Touch the **[NEW]** key, the maintenance date/time is displayed. Enter the maintenance date/time.

Text	Parameter	Classification
DATE	6 digits (mmddyy) : month/day/year	Maintenance date
TIME	4 digits : Hour 2 digits (01 to **12**), Minute 2 digits (00 to 59)	Maintenance time
AM/PM	**AM**/PM	Maintenance time

When the maintenance date/time is entered, the programming data list is displayed. Perform the programming procedure for each data contents.

(4)' To modify the maintenance data;
    Select required maintenance date/time in the maintenance data window, the programming data list is displayed.
    Perform the programming procedure for each data contents.

(4)'' To delete the maintenance data;
    Select required maintenance date/time in the maintenance data window, the confirmation window is displayed.
    Select "YES" to delete, select "NO" to cancel the deletion.

(5) To finish the programming touch the **[EXIT]** key.

■ Maintenance data down-loading

(7 TERMINAL → 2 MAINTENANCE → 2 **MAINTENANCE DATA D/L** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[2 MAINTENANCE]** button to display the detail menu. Then touch the **[2 MAINTENANCE DATA D/L]** button, the confirmation window is displayed.

(3) To finish the programming touch the **[EXIT]** key.

■ Dynamic UPC data down-loading

(7 TERMINAL → 2 MAINTENANCE → 3 **D-UPC DOWNLOAD** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[2 MAINTENANCE]** button to display the detail menu. Then touch the **[3 D-UPC DOWNLOAD]** button, the confirmation window is displayed.

(3) To finish the programming touch the **[EXIT]** key.

■ System backup data

(7 TERMINAL → 2 MAINTENANCE → 4 **SYSTEM BACKUP** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[2 MAINTENANCE]** button to display the detail menu. Then touch the **[4 SYSTEM BACKUP]** button, the programming parameters window is displayed.

Text	Parameter	Classification
SEND DATA	**ALL RAM**/SSP	Send data
SPEED	**Programmed speed**/115200bps/57600bps/38400bps/ 19200bps/9600bps/4800bps/2400bps	Communication speed

(3) To finish the programming touch the **[EXIT]** key.

■ System restore data

(7 TERMINAL → 2 MAINTENANCE → 4 **SYSTEM RESTORE** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[2 MAINTENANCE]** button to display the detail menu. Then touch the **[5 SYSTEM RESTORE]** button, the programming parameters window is displayed.

Text	Parameter	Classification
SPEED	**Programmed speed**/115200bps/57600bps/38400bps/ 19200bps/9600bps/4800bps/2400bps	Communication speed

(3) To finish the programming touch the **[EXIT]** key.

■ Machine number (7 TERMINAL → 3 TERMINAL → 1 **MACHINE#** .... PGM2)

Procedure

Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[3 TERMINAL]** button to display the detail menu. Then touch the **[1 MACHINE#]** button to program the machine number.

(3) Enter the machine number and touch the **[ENTER]** key.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
MACHINE#	6 digits (**0** to 999999)	Machine number

■ Consecutive number (7 TERMINAL → 3 TERMINAL → 2 **CONSECUTIVE#** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[3 TERMINAL]** button to display the detail menu. Then touch the **[2 CONSECUTIVE#]** button to program the consecutive number.

(3) Enter the consecutive number and touch the **[ENTER]** key.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
CONSECUTIVE#	4 digits (**0** to 9999)	Consecutive number

■ Till timer and drawer alarm (7 TERMINAL → 3 TERMINAL → 3 **TILL TIMER** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[3 TERMINAL]** button to display the detail menu. Then touch the **[3 TILL TIMER]** button to program the till timer data.

(3) Enter the till timer and/or drawer alarm data and touch the **[ENTER]** key.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TILL TIMER	3 digits (**0** to 255 sec)	Till timer
DRAWER ALARM	3 digits (**0** to 255 sec)	Drawer alarm

■ Screen set up (7 TERMINAL → 3 TERMINAL → 4 **SCREEN SETUP** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[3 TERMINAL]** button to display the detail menu. Then touch the **[4 SCREEN SETUP]** button to program the screen data.

(3) Touch the required programming item, and select or enter each parameter and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
SCREEN SAVE	2 digits (1 to 99/0 minutes) : "**0**" means 100 minutes.	Screen save mode
TERMINAL	30 characters (**space**)	Message for terminal
CUST. DISPLAY	30 characters (**space**)	Message for customer display
BRIGHTNESS	3 digits (1 to 255/**179**)	Backlight brightness
AUTO OFF	YES/**NO**	Backlight auto off
INFO.AREA COLOR	224 colors (Fore color/Back color) (**BLACK/SILVER**)	Information area color

■ Bill number (7 TERMINAL → 3 TERMINAL → 5 **BILL NUMBER** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[3 TERMINAL]** button to display the detail menu. Then touch the **[5 BILL NUMBER]** button to program the bill number.

(3) Enter the bill number and touch the **[ENTER]** key.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
BILL NUMBER	4 digits (**0** to 9999)	Bill number

■ Condiment ignore (7 TERMINAL → 3 TERMINAL → 6 **CONDIMENT IGNORE** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[3 TERMINAL]** button to display the detail menu. Then touch the **[6 CONDIMENT IGNORE]** button to program the useless condiment tables.

(3) Enter the start useless condiment table number and/or end useless condiment table number and touch the **[ENTER]** key.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
START USELESS	3 digits (1 to 999/**0**)	Start useless condiment table
END USELESS	3 digits (1 to 999/**0**)	End useless condiment table

■ Date and time (7 TERMINAL → 3 TERMINAL → 7 **DATE AND TIME** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[3 TERMINAL]** button to display the detail menu. Then touch the **[7 DATE AND TIME]** button to program the date/time data.

(3) Enter the date and/or time data and touch the **[ENTER]** key.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
DATE	6 digits (mmddyy) : month/day/year	Date
TIME	4 digits : hour 2 digits (01 to **12**), minute 2 digits (**00** to 59)	Time
AM/PM SELECT	**AM**/PM	Time selection

■ GLU start/ end code

(7 TERMINAL → 3 TERMINAL → 8 **GLU CODE BY TERMINAL** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[3 TERMINAL]** button to display the detail menu. Then touch the **[8 GLU CODE BY TERMINAL]** button to program the GLU code.

(3) Enter the start GLU code and/or end GLU code and touch the **[ENTER]** key.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
START CODE	8 digits (**1** to 99999999)	GLU start code
END CODE	8 digits (1 to **99999999**)	GLU end code

■ Drive-thru by terminal

(7 TERMINAL → 3 TERMINAL → 9 **DRIVE THRU BY TERMINAL** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[3 TERMINAL]** button to display the detail menu. Then touch the **[9 DRIVE THRU BY TERMINAL]** button to program.

(3) Enter the window number and touch the **[ENTER]** key.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
WINDOW#	1 digit (**1** or 2)	Window number

■ Revenue center number by terminal

(7 TERMINAL → 3 TERMINAL → 10 **REVENUE BY TERMINAL** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[3 TERMINAL]** button to display the detail menu. Then touch the **[10 REVENUE BY TERMINAL]** button to program.

(3) Enter the revenue center number and touch the **[ENTER]** key.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
REVENUE NO.	1 digit (**1** to 9)	Revenue center number

■ Report by terminal

(7 TERMINAL → 3 TERMINAL → 11 **REPORT BY TERMINAL** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[3 TERMINAL]** button to display the detail menu. Then touch the **[11 REPORT BY TERMINAL]** button to program.

(3) Select the parameter and touch the **[ENTER]** key.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
OPN D-THRU EXIST	DISALLOWED/**ALLOWED**	Open drive-thru GLU exists

■ Function selections

(7 TERMINAL → 4 OPTIONAL SETTINGS → 1 **FUNCTION SELECTIONS** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[4 OPTIONAL SETTINGS]** button to display the detail menu. Then touch the **[1 FUNCTION SELECTIONS]** button to program.

(3) Touch the required program item, and select the parameter and touch the **[ENTER]** key.
    Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
LEVEL SFT METHOD	STAY DOWN/**ONE SHOT**	PLU level shift
RETURN TO LEVEL1	BY ONE RCPT./**BY ONE ITEM** (When PLU level system is "ONE SHOT", PLU level returns to level 1)	PLU level return
COVER COUNT	COMPULSORY/**NON-COMPULSORY**	Cover count
COVER CALC	**COUNT UP 1**/NO CHANGE	Cover count calculation
TABLE NUMBER	COMPULSORY/**INHIBIT**	Table number
TIP ENTRY METHOD	**AMOUNT**/FIX RATE	Tip entry method
CSH DRW ASSIGN	COMPULSORY/**INHIBIT**	Cashier drawer
DRIVE SCREEN	**MANUAL**/AUTO (Indication screen change method)	Drive screen
DTHRU SEQUENCE	TOUCH/**TOUCH+PBAL2**	Drive-thru order sequence
VD TOTAL CHK	NOT/**APPEAR**	Prompt at void of total check
AUTO HOURLY	**DISABLE**/ENABLE	Automatic hourly report
ISBN PRICE	INHIBIT/**COMPULSORY**	Price entry after ISBN or ISSN
T-LOG FULL	**CONTINUE**/LOCK	Programming whether or not to lock item entry when T-LOG file is full.
E.J. FULL	**CONTINUE**/LOCK	Programming whether or not to lock item entry when EJ file is full.
CAPTURE FULL	**CONTINUE**/LOCK	Programming whether or not to lock item entry when key capture file (MAR file) is full.
PURCHASE COND.	**MEALS**/ITEMS	# of purchase at condiment PLU calculation
I.BILL FINALIZE	DISABLE/**ENABLE**	Prohibit GLU finalize before Intermediate Bill
FREE TEXT	AFTER ITEM/**BEFORE ITEM**	Free text entry timing
EAT IN ENTRY	START TRANS./**EACH MEDIA**	Eat-in entry compulsory

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■ Printing options

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[4 OPTIONAL SETTINGS]** button to display the detail menu. Then touch the **[2 PRINTING OPTIONS]** button to program.

(3) Touch the required program item, and select the parameter and touch the **[ENTER]** key.
Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
# OF PURCHASE	**NOT PRINT**/PRINT	Printing number
TIME	NOT PRINT/**PRINT**	Time print
JOURNAL SELECT	JOURNAL SELECT/**FULL PRINT**	Journal select
JOURNAL LETTER	**NORMAL**/SMALL	Journal letter size
EATIN HEADER PRT	**NOT PRINT**/PRINT	Eat-in header printing
LINK PLU TEXT	ONLY PARENT PLU/**ALL TIED PLU**	Link PLU text printing
ITEM ON BILL	NOT PRINT/**PRINT** (Printing of item in GLU transaction on Bill printer)	Item print on bill
BILL ON RECEIPT	NOT PRINT/**PRINT**	Bill print on receipt printer
INTER.GLU BILL	**NOT PRINT**/PRINT	Intermediate GLU reading print on bill printer
INTER.GLU RCPT.	**NOT PRINT**/PRINT	Intermediate GLU reading print on receipt printer
BARCODE ON BILL	NOT PRINT/**PRINT**	Bar code printing on bill

■ Expand function

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[4 OPTIONAL SETTINGS]** button to display the detail menu. Then touch the **[3 EXPAND FUNCTION]** button to program.

(3) Touch the required program item, and select the parameter and touch the **[ENTER]** key.
Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
RCPT WINDOW RECAPITULATION	**NO**/YES	Receipt window recapitulation
RECEIPT RECAPITULATION	**NO**/YES	Receipt recapitulation
BILL RECAPITULATION	**NO**/YES	Bill recapitulation
KP RECAPITULATION	**NO**/YES	Kitchen printer recapitulation

■ Z1 mode secret codes (7 TERMINAL → 5 AUTHORITY SETUP → 1 Z1 MODE .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[5 AUTHORITY SETUP]** button to display the detail menu. Then touch the **[1 Z1 MODE]** button to program.

(3) Touch the required program item, and enter the secret code and touch the **[ENTER]** key.
Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
REVENUE GROUP	4 digits (0001 to 9999/**0000**)	Revenue group report
REVENUE TRANS.	4 digits (0001 to 9999/**0000**)	Revenue transaction report
REVENUE HOURLY	4 digits (0001 to 9999/**0000**)	Revenue hourly report
ALL CASHIER	4 digits (0001 to 9999/**0000**)	All cashier report
IND. CASHIER	4 digits (0001 to 9999/**0000**)	Individual cashier report
DEPT GROUP	4 digits (0001 to 9999/**0000**)	Departmentt group report
DEPARTMENT	4 digits (0001 to 9999/**0000**)	Department report
PLU	4 digits (0001 to 9999/**0000**)	PLU/UPC report
PLU BY DEPT	4 digits (0001 to 9999/**0000**)	PLU/UPC by dept report
PIECE COUNT	4 digits (0001 to 9999/**0000**)	Piece count report
TRANSACTION	4 digits (0001 to 9999/**0000**)	Transaction report
DYNAMIC UPC	4 digits (0001 to 9999/**0000**)	Dynamic UPC report
D-UPC BY DEPT	4 digits (0001 to 9999/**0000**)	Dynamic UPC by dept report
NON ACCESS UPC	4 digits (0001 to 9999/**0000**)	Non-accessed UPC report
D-UPC CLEAR	4 digits (0001 to 9999/**0000**)	Dynamic UPC clear
D-UPC CLR DEPT	4 digits (0001 to 9999/**0000**)	Dynamic UPC clear by dept
HOURLY	4 digits (0001 to 9999/**0000**)	Hourly report
DEPT GR. HOURLY	4 digits (0001 to 9999/**0000**)	Dept group hourly report
CAR# GR. HOURLY	4 digits (0001 to 9999/**0000**)	CAR# group hourly report
COUPON	4 digits (0001 to 9999/**0000**)	Coupon report
GLU	4 digits (0001 to 9999/**0000**)	GLU report
GLU BY CASHIER	4 digits (0001 to 9999/**0000**)	GLU by cashier report
CLOSED GLU	4 digits (0001 to 9999/**0000**)	Closed GLU report
CL-GLUBY CASHIER	4 digits (0001 to 9999/**0000**)	Closed GLU by cashier report
DRIVE THRU	4 digits (0001 to 9999/**0000**)	Drive-thru report
D-THRU BY CSH	4 digits (0001 to 9999/**0000**)	Drive-thru by cashier report
CLOSED D-THRU	4 digits (0001 to 9999/**0000**)	Closed drive-thru report
CL-DT BY CASHIER	4 digits (0001 to 9999/**0000**)	Closed drive-thru by cashier report
SERVICE TIME	4 digits (0001 to 9999/**0000**)	Service time report
EJ	4 digits (0001 to 9999/**0000**)	Electronic journal report
STACKED REPORT	4 digits (0001 to 9999/**0000**)	Stacked report

NOTE *When the secret code "0000" is programmed, the status "compulsory secret code entry" is disregarded.*

■ PGM2 mode secret codes

(7 TERMINAL → 5 AUTHORITY SETUP → 2 **PGM2 MODE** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[5 AUTHORITY SETUP]** button to display the detail menu. Then touch the **[2 PGM2 MODE]** button to program.

(3) Touch the required program item, and enter the secret code and touch the **[ENTER]** key.
Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
DEPARTMENT	4 digits (0001 to 9999/**0000**)	Department
ITEM SETUP	4 digits (0001 to 9999/**0000**)	Item setup
TABLES	4 digits (0001 to 9999/**0000**)	Tables
WORK FORCE	4 digits (0001 to 9999/**0000**)	Work force
KEYBOARD FUNCTIONS	4 digits (0001 to 9999/**0000**)	Keyboard functions
POS FUNCTIONS	4 digits (0001 to 9999/**0000**)	POS functions
TERMINAL	4 digits (0001 to 9999/**0000**)	Terminal
TEXT EDITOR	4 digits (0001 to 9999/**0000**)	Text editor
SYSTEM	4 digits (0001 to 9999/**0000**)	System
DATA CLEAR	4 digits (0001 to 9999/**0000**)	Data clear

NOTE *When the secret code "0000" is programmed, the status "compulsory secret code entry" is disregarded.*

■ System Z1 mode secret codes

(7 TERMINAL → 5 AUTHORITY SETUP → 3 **SYS Z1 MODE** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[5 AUTHORITY SETUP]** button to display the detail menu. Then touch the **[3 SYS Z1 MODE]** button to program.

(3) Touch the required program item, and enter the secret code and touch the **[ENTER]** key.
   Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
REVENUE GROUP	4 digits (0001 to 9999/**0000**)	Revenue group report
REVENUE TRANS.	4 digits (0001 to 9999/**0000**)	Revenue transaction report
REVENUE HOURLY	4 digits (0001 to 9999/**0000**)	Revenue hourly report
ALL CASHIER	4 digits (0001 to 9999/**0000**)	All cashier report
IND. CASHIER	4 digits (0001 to 9999/**0000**)	Individual cashier report
DEPT GROUP	4 digits (0001 to 9999/**0000**)	Departmentt group report
DEPARTMENT	4 digits (0001 to 9999/**0000**)	Department report
PLU	4 digits (0001 to 9999/**0000**)	PLU/UPC report
PLU BY DEPT	4 digits (0001 to 9999/**0000**)	PLU/UPC by dept report
PIECE COUNT	4 digits (0001 to 9999/**0000**)	Piece count report
TRANSACTION	4 digits (0001 to 9999/**0000**)	Transaction report
DYNAMIC UPC	4 digits (0001 to 9999/**0000**)	Dynamic UPC report
D-UPC BY DEPT	4 digits (0001 to 9999/**0000**)	Dynamic UPC by dept report
NON ACCESS UPC	4 digits (0001 to 9999/**0000**)	Non-accessed UPC report
D-UPC CLEAR	4 digits (0001 to 9999/**0000**)	Dynamic UPC clear
D-UPC CLR DEPT	4 digits (0001 to 9999/**0000**)	Dynamic UPC clear by dept
HOURLY	4 digits (0001 to 9999/**0000**)	Hourly report
DEPT GR. HOURLY	4 digits (0001 to 9999/**0000**)	Dept group hourly report
CAR# GR. HOURLY	4 digits (0001 to 9999/**0000**)	CAR# group hourly report
COUPON	4 digits (0001 to 9999/**0000**)	Coupon report
GLU	4 digits (0001 to 9999/**0000**)	GLU report
GLU BY CASHIER	4 digits (0001 to 9999/**0000**)	GLU by cashier report
CLOSED GLU	4 digits (0001 to 9999/**0000**)	Closed GLU report
CL-GLU BY CASHIER	4 digits (0001 to 9999/**0000**)	Closed GLU by cashier report
DRIVE THRU	4 digits (0001 to 9999/**0000**)	Drive-thru report
D-THRU BY CSH	4 digits (0001 to 9999/**0000**)	Drive-thru by cashier report
CLOSED D-THRU	4 digits (0001 to 9999/**0000**)	Closed drive-thru report
CL-DT BY CASHIER	4 digits (0001 to 9999/**0000**)	Closed drive-thru by cashier report
SERVICE TIME	4 digits (0001 to 9999/**0000**)	Service time report
EJ	4 digits (0001 to 9999/**0000**)	Electronic journal report
STACKED REPORT	4 digits (0001 to 9999/**0000**)	Stacked report

NOTE *When the secret code "0000" is programmed, the status "compulsory secret code entry" is disregarded.*

■ System PGM2 mode secret codes

(7 TERMINAL → 5 AUTHORITY SETUP → 4 **SYS PGM2 MODE** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[5 AUTHORITY SETUP]** button to display the detail menu. Then touch the **[4 SYS PGM2 MODE]** button to program.

(3) Touch the required program item, and enter the secret code and touch the **[ENTER]** key.
Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
DATA CLEAR	4 digits (0001 to 9999/**0000**)	Data clear
INLINE SETTING	4 digits (0001 to 9999/**0000**)	Inline setting

NOTE   *When the secret code "0000" is programmed, the status "compulsory secret code entry" is disregarded.*

■ Initial down-loading secret codes

(7 TERMINAL → 5 AUTHORITY SETUP → 5 **INITIAL D/L** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[5 AUTHORITY SETUP]** button to display the detail menu. Then touch the **[5 INITIAL D/L]** button to program.

(3) Touch the required program item, and enter the secret code and touch the **[ENTER]** key.
    Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
DEPARTMENT	4 digits (0001 to 9999/**0000**)	Dept preset
DIRECT KEYS	4 digits (0001 to 9999/**0000**)	Direct key
PLU/UPC	4 digits (0001 to 9999/**0000**)	PLU preset
PLU MENU KEYS	4 digits (0001 to 9999/**0000**)	PLU menu key
LINK PLU/UPC TABLES	4 digits (0001 to 9999/**0000**)	Link PLU/UPC preset
SET PLU TABLES	4 digits (0001 to 9999/**0000**)	Set PLU preset
CONDIMENT TABLES	4 digits (0001 to 9999/**0000**)	Condiment PLU preset
COUPON PLU	4 digits (0001 to 9999/**0000**)	Coupon PLU preset
MIX&MATCH TABLES	4 digits (0001 to 9999/**0000**)	MIX&MATCH preset
RECIPE TEXT	4 digits (0001 to 9999/**0000**)	Recipe text preset
COMBO MEAL TABLES	4 digits (0001 to 9999/**0000**)	Combo meal preset
UPC NON-PLU	4 digits (0001 to 9999/**0000**)	UPC non-PLU format
MODIFIER PLU	4 digits (0001 to 9999/**0000**)	Modifier PLU preset
TRANSACTION	4 digits (0001 to 9999/**0000**)	Transaction preset
CASHIER	4 digits (0001 to 9999/**0000**)	Cashier preset
CASHIER SIGN OFF	4 digits (0001 to 9999/**0000**)	All cashier sign off
OPTION	4 digits (0001 to 9999/**0000**)	Other preset
DATE AND TIME	4 digits (0001 to 9999/**0000**)	Date, time
LOGO TEXT	4 digits (0001 to 9999/**0000**)	Logo text
FUNCTION KEYS	4 digits (0001 to 9999/**0000**)	Function key preset
TAX	4 digits (0001 to 9999/**0000**)	Tax preset
NEGATIVE#	4 digits (0001 to 9999/**0000**)	Negative#
POSITIVE#	4 digits (0001 to 9999/**0000**)	Positive#
MACRO KEYS	4 digits (0001 to 9999/**0000**)	MACRO key
FUNCTION MENU KEYS	4 digits (0001 to 9999/**0000**)	Function menu key
CAPTURE KEYS	4 digits (0001 to 9999/**0000**)	Capture key
CAPTURE JOB#	4 digits (0001 to 9999/**0000**)	Capture job#
ONLINE PRESET	4 digits (0001 to 9999/**0000**)	Online preset
INLINE PRESET	4 digits (0001 to 9999/**0000**)	PGM preset relating to inline operation
KP PRESET	4 digits (0001 to 9999/**0000**)	KP preset
DEVICE CONFIG	4 digits (0001 to 9999/**0000**)	System preset
REVENUE CENTER	4 digits (0001 to 9999/**0000**)	Revenue center
ALL PGM	4 digits (0001 to 9999/**0000**)	All PGM preset

NOTE *When the secret code "0000" is programmed, the status "compulsory secret code entry" is disregarded.*

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■ Maintenance down-loading secret codes

(7 TERMINAL → 5 AUTHORITY SETUP → 6 **MAINTENANCE D/L** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[5 AUTHORITY SETUP]** button to display the detail menu. Then touch the **[6 MAINTENANCE D/L]** button to program.

(3) Touch the required program item, and enter the secret code and touch the **[ENTER]** key.
Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
DEPARTMENT	4 digits (0001 to 9999/**0000**)	Dept preset
PLU/UPC	4 digits (0001 to 9999/**0000**)	PLU/UPC preset
PLU/UPC PRICE	4 digits (0001 to 9999/**0000**)	PLU price preset
PLU/UPC CVM DATA	4 digits (0001 to 9999/**0000**)	PLU CVM preset
LINK PLU/UPC TABLES	4 digits (0001 to 9999/**0000**)	Link PLU/UPC preset
SET PLU TABLES	4 digits (0001 to 9999/**0000**)	Set PLU preset
CONDIMENT TABLES	4 digits (0001 to 9999/**0000**)	Condiment PLU preset
COUPON PLU	4 digits (0001 to 9999/**0000**)	Coupon PLU
MIX&MATCH TABLES	4 digits (0001 to 9999/**0000**)	MIX&MATCH preset
RECIPE TEXT	4 digits (0001 to 9999/**0000**)	Recipe
COMBO MEAL TABLES	4 digits (0001 to 9999/**0000**)	Combo meal preset
COMBO CVM DATA	4 digits (0001 to 9999/**0000**)	Combo CVM preset
MODIFIER PLU	4 digits (0001 to 9999/**0000**)	Modifier PLU
TRANSACTION	4 digits (0001 to 9999/**0000**)	Transaction preset
POSITIVE#	4 digits (0001 to 9999/**0000**)	Positive#

NOTE *When the secret code "0000" is programmed, the status "compulsory secret code entry" is disregarded.*

■ E-payment secret codes

(7 TERMINAL → 5 AUTHORITY SETUP → 7 **E-PAYMENT** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[5 AUTHORITY SETUP]** button to display the detail menu. Then touch the **[7 E-PAYMENT]** button to program.

(3) Touch the required program item, and enter the secret code and touch the **[ENTER]** key.
Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
OPEN BATCH	4 digits (0001 to 9999/**0000**)	Open batch
CLOSE BATCH	4 digits (0001 to 9999/**0000**)	Close batch
CHANGE BATCH	4 digits (0001 to 9999/**0000**)	Change batch
INITIALIZE	4 digits (0001 to 9999/**0000**)	Initialize
DIAL OUT	4 digits (0001 to 9999/**0000**)	Dial out
DIAL IN	4 digits (0001 to 9999/**0000**)	Dial in
CLEAR BATCH	4 digits (0001 to 9999/**0000**)	Clear batch

NOTE *When the secret code "0000" is programmed, the status "compulsory secret code entry" is disregarded.*

■ GLU code range (7 TERMINAL → 6 GLU/D-THRU SETTINGS → 1 **GLU RANGE** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[6 GLU/D-THRU SETTINGS]** button to display the detail menu. Then touch the **[1 GLU RANGE]** button to program.

(3) Enter the start GLU code and/or end GLU code and touch the **[ENTER]** key.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
START CODE	8 digits (**1** to 99999999)	GLU start code
END CODE	8 digits (1 to **99999999**)	GLU end code

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■ Drive-thru code range

(7 TERMINAL → 6 GLU/D-THRU SETTINGS → 2 **D-THRU RANGE** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[7 TERMINAL]** button to display the menu, and touch the **[6 GLU/D-THRU SETTINGS]** button to display the detail menu. Then touch the **[2 D-THRU RANGE]** button to program.

(3) Touch the required program item, and enter each parameter and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
START CODE	7 digits (**1** to 9999999)	Drive-thru start code
END CODE	7 digits (1 to **9999999**)	Drive-thru end code
TIME	4 digits : minute 2 digits (00 to 59), second 2 digits (00 to 59)	Drive-thru alarm time

■ GLU code assignment by cashier (3 **GLU# ASSIGN** .... OPXZ)

Procedure

(1) Select the OPXZ mode and touch the **[3 GLU# ASSIGN]**, the cashier number entry window is displayed. Enter the required cashier number, the GLU code programming window is displayed. Program the proper GLU codes.

Text	Parameter	Classification
START CODE	8 digits (**1** to 99999999) : GLU code	GLU start code for cashier
END CODE	8 digits (1 to **99999999**) : GLU code	GLU end code for cashier
GLU#1	8 digits (1 to 99999999/**0**) : GLU code	GLU#1
GLU#2	8 digits (1 to 99999999/**0**) : GLU code	GLU#2
:	:	:
:	:	:
GLU#49	8 digits (1 to 99999999/**0**) : GLU code	GLU#49
GLU#50	8 digits (1 to 99999999/**0**) : GLU code	GLU#50

(2) To finish the programming touch the **[EXIT]** key.

■ Revenue center text (8 TEXT EDITOR → 1 **REVENUE CTR TEXT** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[8 TEXT EDITOR]** button to display the menu, and touch the **[1 REVENUE CTR TEXT]** button to display the revenue center list.

(3) Select the revenue center from the list, and enter the revenue center text.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
REVENUE CENTER1	16 characters (**RECENUE CENTER1**)	Revenue center 1
REVENUE CENTER2	16 characters (**RECENUE CENTER2**)	Revenue center 2
REVENUE CENTER3	16 characters (**RECENUE CENTER3**)	Revenue center 3
:	:	:
:	:	:
REVENUE CENTER9	16 characters (**RECENUE CENTER9**)	Revenue center 9

■ Function text (8 TEXT EDITOR → 2 **FUNCTION TEXT** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[8 TEXT EDITOR]** button to display the menu, and touch the **[2 FUCTION TEXT]** button to display the function text list.

(3) Select the function from the list, and enter the function text.

(4) To terminate the programming, touch the **[EXIT]** key.

No	Default Text	Classification	Note
1	**N E T 1**	Net sales total	16 characters
2	TAX1 ST	Net taxable 1 subtotal	
3	GRS TAX1	Gross tax 1 total	
4	RFD TAX1	Tax 1 total of refund entries	
5	TAX1	Net tax 1 total	
6	TX1 EXPT	Exempt tax 1	
7	TAX2 ST	Net taxable 2 subtotal	
8	GRS TAX2	Gross tax 2 total	
9	RFD TAX2	Tax 2 total of refund entries	
10	TAX2	Net tax 2 total	
11	TX2 EXPT	Exempt tax 2	
12	TAX3 ST	Net taxable 3 subtotal	
13	GRS TAX3	Gross tax 3 total	
14	RFD TAX3	Tax 3 total of refund entries	
15	TAX3	Net tax 3 total	
16	TX3 EXPT	Exempt tax 3	
17	TAX4 ST	Net taxable 4 subtotal	
18	GRS TAX4	Gross tax 4 total	

19	RFD TAX4	Tax 4 total of refund entries	16 characters
20	TAX4	Net tax 4 total	
21	TX4 EXPT	Exempt tax 4	
22	TAX5 ST	Net taxable 5 subtotal	
23	GRS TAX5	Gross tax 5 total	
24	RFD TAX5	Tax 5 total of refund entries	
25	TAX5	Net tax 5 total	
26	TX5 EXPT	Exempt tax 5	
27	TAX6 ST	Net taxable 6 subtotal	
28	GRS TAX6	Gross tax 6 total	
29	RFD TAX6	Tax 6 total of refund entries	
30	TAX6	Net tax 6 total	
31	TX6 EXPT	Exempt tax 6	
32	TAX7 ST	Net taxable 7 subtotal	
33	GRS TAX7	Gross tax 7 total	
34	RFD TAX7	Tax 7 total of refund entries	
35	TAX7	Net tax 7 total	
36	TX7 EXPT	Exempt tax 7	
37	TAX8 ST	Net taxable 8 subtotal	
38	GRS TAX8	Gross tax 8 total	
39	RFD TAX8	Tax 8 total of refund entries	
40	TAX8	Net tax 8 total	
41	TX8 EXPT	Exempt tax 8	
42	TAX9 ST	Net taxable 9 subtotal	
43	GRS TAX9	Gross tax 9 total	
44	RFD TAX9	Tax 9 total of refund entries	
45	TAX9	Net tax 9 total	
46	TX9 EXPT	Exempt tax 9	
47	TAX10 ST	Net taxable 10 subtotal	
48	GRS TAX10	Gross tax 10 total	
49	RFD TAX10	Tax 10 total of refund entries	
50	TAX10	Net tax 10 total	
51	TX10 EXPT	Exempt tax 10	
52	TAX11 ST	Net taxable 11 subtotal	
53	GRS TAX11	Gross tax 11 total	
54	RFD TAX11	Tax 11 total of refund entries	
55	TAX11	Net tax 11 total	
56	TX11 EXPT	Exempt tax 11	
57	TAX12 ST	Net taxable 12 subtotal	
58	GRS TAX12	Gross tax 12 total	
59	RFD TAX12	Tax 12 total of refund entries	
60	TAX12	Net tax 12 total	
61	TX12 EXPT	Exempt tax 12	
62	TAX13 ST	Net taxable 13 subtotal	

63	GRS TAX13	Gross tax 13 total	16 characters
64	RFD TAX13	Tax 13 total of refund entries	
65	TAX13	Net tax 13 total	
66	TX13 EXPT	Exempt tax 13	
67	TAX14 ST	Net taxable 14 subtotal	
68	GRS TAX14	Gross tax 14 total	
69	RFD TAX14	Tax 14 total of refund entries	
70	TAX14	Net tax 14 total	
71	TX14 EXPT	Exempt tax14	
72	TAX15 ST	Net taxable 15 subtotal	
73	GRS TAX15	Gross tax 15 total	
74	RFD TAX15	Tax 15 total of refund entries	
75	TAX15	Net tax 15 total	
76	TX15 EXPT	Exempt tax 15	
77	TAX16 ST	Net taxable 16 subtotal	
78	GRS TAX16	Gross tax 16 total	
79	RFD TAX16	Tax 16 total of refund entries	
80	TAX16	Net tax 16 total	
81	TX16 EXPT	Exempt tax 16	
82	TAX17 ST	Net taxable 17 subtotal	
83	GRS TAX17	Gross tax 17 total	
84	RFD TAX17	Tax 17 total of refund entries	
85	TAX17	Net tax 17 total	
86	TX17 EXPT	Exempt tax 17	
87	TAX18 ST	Net taxable 18 subtotal	
88	GRS TAX18	Gross tax 18 total	
89	RFD TAX18	Tax 18 total of refund entries	
90	TAX18	Net tax 18 total	
91	TX18 EXPT	Exempt tax 18	
92	TAX19 ST	Net taxable 19 subtotal	
93	GRS TAX19	Gross tax 19 total	
94	RFD TAX19	Tax 19 total of refund entries	
95	TAX19	Net tax 19 total	
96	TX19 EXPT	Exempt tax 19	
97	TAX20 ST	Net taxable 20 subtotal	
98	GRS TAX20	Gross tax 20 total	
99	RFD TAX20	Tax 20 total of refund entries	
100	TAX20	Net tax 20 total	
101	TX20 EXPT	Exempt tax 20	
102	GRS MTAX	Gross manual tax total	
103	RFD MTAX	Refund manual tax total	
104	GST EXPT	Exempt total from GST	
105	PST TTL	PST total	
106	GST TTL	GST total	

107	∗TTL TAX	Tax total	16 characters
108	**N E T**	Net	
109	**N E T 2**	Sales total including tax total	
110	CP PLU	Coupon-like PLU	
111	V. CP UPC	Vender coupon UPC	
112	**V O I D**	Void mode	
113	**R F N D**	Refund mode	
114	HASH VD	Hash direct void	
115	HASH PRVD	Hash past void (printed)	
116	HASH NPVD	Hash past void (non-printed)	
117	HASH RF	Hash item refund	
118	HASH RT	Hash item return	
119	NT VD	Non turnover direct void	
120	NT PRVD	Non turnover past void (printed)	
121	NT NPVD	Non turnover past void (non-printed)	
122	NT RF	Non turnover item refund	
123	NT RT	Non turnover item return	
124	BILL CNT	Bill counter	
125	TRAY CNT	Tray counter	
126	G.C. CNT	Guest check copy counter	
127	DRW CNT	Drawer counter	
128	VIP1 SALE	Vip1 sale	
129	VIP2 SALE	Vip2 sale	
130	VIP3 SALE	Vip3 sale	
131	VIP4 SALE	Vip4 sale	
132	VIP5 SALE	Vip5 sale	
133	VIP6 SALE	Vip6 sale	
134	VIP7 SALE	Vip7 sale	
135	VIP8 SALE	Vip8 sale	
136	VIP9 SALE	Vip9 sale	
137	∗∗∗PBAL	PBAL	
138	∗∗∗PBAL2	PBAL2	
139	COVER CT	Cover count	
140	TRANS CT	Customer	
141	**N E T 3**	NET3(SALES)	
142	HASH TTL	Hash net total	
143	NT TTL	Non turnover total	
144	CA+CH ID	Cash + check in drawer	
145	∗∗∗CID	Cash in drawer	
146	DEPOSIT	Deposit	
147	DPST RF	Deposit refund	
148	TIP PAID	Tip paid	
149	MIX&MATCH	Mix &Match	
150	∗DEPT TL	(+)Dept total	

151	DEPT(-)	(-)Dept total	16 characters
152	*HASH TL	Hash (+)Dept total	
153	HASH(-)	Hash (-)Dept total	
154	*BTTL TL	Bottle (+)Dept total	
155	BTTL(-)	Bottle (-)Dept total	
156	*NT TL	Non turnover total	
157	SUBTOTAL	Subtotal	
158	MDSE ST	Merchandise subtotal	
159	NON-TURN	Non-turnover subtotal	
160	***TOTAL	Total	
161	CHANGE	Change	
162	DUE	Due	
163	TRAY TL	Tray total	
164	ITEMS	Items	
165	BALANCE	Balance	
166	**C O P Y**	Copy receipt title	
167	G.C COPY	G.C. copy title	
168	**B . T .**	Bill total title	
169	**B . S .**	Bill separate title	
170	PR.CHNG	Price change receipt title	
171	INTERMED.	GLU reading title	
172	VIP1 SALE	Vip1 sale title	
173	VIP2 SALE	Vip2 sale title	
174	VIP3 SALE	Vip3 sale title	
175	VIP4 SALE	Vip4 sale title	
176	VIP5 SALE	Vip5 sale title	
177	VIP6 SALE	Vip6 sale title	
178	VIP7 SALE	Vip7 sale title	
179	VIP8 SALE	Vip8 sale title	
180	VIP9 SALE	Vip9 sale title	
181	FIN.BAL	Final balance	
182	BAL FWD	Balance forward	
183	CLOSE CK	Closed check	
184	OPEN CK	Open check	
185	(%)SALES	Percent of net sale	
186	TTL COST	Total cost	
187	LOC#	Location#	
188	L.COST	L.COST	
189	TTL HOUR	TTL HOUR	
190	OVR TIME	Over time	
191	OVR COST	Over REPO: Over cost	
192	TIME-IN	Clock-in	
193	TIME-OUT	Clock-out	
194	BREAK-IN	Break-in	

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195	BREAK-OUT	Break-out	16 characters
196	BREAK PD	Break-in/paid	
197	LABOR%	Labor%	
198	SHIFT-OPEN	Shift-open	
199	SHIFT-CLS	Shift-close	
200	TRANSFER	Cash transfer	
201	VAT EXPT	VAT exempt	
202	TARE WT.	Tare weight	
203	RCP S.W.	Receipt switch	
204	FREE GLU	Free GLU	
205	AVE SALE	Average sales	
206	ST(-) TL	ST(-) total	
207	ST % TL	ST % total	
208	ITEM(-) TL	Item (-) total	
209	ITEM% TL	Item % total	
210	GDISC%TL	Group discount % total	
211	CASH TL	Cash total	
212	RA TL	RA total	
213	PO TL	PO total	
214	CONV TL	CONV total	
215	CHR TL	Charge total	
216	CHECK TL	Check total	
217	COUNT	Count (item sales PRT.)	
218	GROSS	Gross (item sales PRT.)	
219	DISCOUNT	Discount (item sales PRT.)	
220	NET	Net (item sales PRT.)	
221	RETURN	Return (item sales PRT.)	
222	FREE DISC	Free discount (item sales PRT.)	
223	CONV1 IS	Conversion1 is	
224	CONV2 IS	Conversion2 is	
225	CONV3 IS	Conversion3 is	
226	CONV4 IS	Conversion4 is	
227	CASH IS	Cash is	
228	CASH TIP	Cash tip	
229	CHARGE TIP	Charge tip	
230	CHECK1 IS	Check1 is	
231	CHECK2 IS	Check2 is	
232	CHECK3 IS	Check3 is	
233	CHECK4 IS	Check4 is	
234	CHECK5 IS	Check5 is	
235	CHECK6 IS	Check6 is	
236	CHECK7 IS	Check7 is	
237	CHECK8 IS	Check8 is	
238	CHECK9 IS	Check9 is	

239	COUPON IS	Coupon is	16 characters
240	CCD	CCD	
241	CCD DIF.	CCD DIFFER	
242	DIF. TL	CCD DIFFER total	
243	SCM (+)	SCM(+)	
244	SCM (-)	SCM(-)	
245	SCM TTL	SCM total	
246	SALES/COST	Sales/cost (food cost REPO.)	
247	**G L U #**	GLU text	
248	**C A R #**	Drive thru text	
249	GIFT RF	Gift refund	
250	GC/CG	Gift change	
251	GIFT TTL	Gift net total	
252	*GC TL	Gift card dept total	
253	GIFT BAL	Gift card balance	
254	YOU SAVE	You save	
255	TAXABLE1 ST	Taxable1 ST (for print)	
256	TAXABLE2 ST	Taxable2 ST (for print)	
257	TAXABLE3 ST	Taxable3 ST (for print)	
258	TAXABLE4 ST	Taxable4 ST (for print)	
259	TAX	Drive thru tax text	
260	SBTL	Drive thru SBTL text	
261	#TRANS	Normal transaction text for report	
262	#GLU	GLU text for report	
263	#D-GLU	Drive thru text for report	
264	MIN.AVE.	Minutes average for report	
265	SERVICE TIME	Service time text for report	
266	SIGN-ON	Sign on status for report	
267	REPRINT	Reprint	

■ Header logo text (8 TEXT EDITOR → 3 LOGO TEXT → 1 **HEADER LOGO** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[8 TEXT EDITOR]** button to display the menu, and touch the **[3 LOGO TEXT]** button to display the detail menu. Then touch the **[1 HEADER LOGO]** button to program.

(3) Enter the header logo text and touch the **[ENTER]** key.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
HEADER LOGO	40 characters x 6 lines: default data **S H A R P** PRESENT THE **U P - 3 5 0 0** **S H A R P** **I S T H E** **B E S T**	Header logo text for the receipt

■ Footer logo text (8 TEXT EDITOR → 3 LOGO TEXT → 2 **FOOTER LOGO** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[8 TEXT EDITOR]** button to display the menu, and touch the **[3 LOGO TEXT]** button to display the detail menu. Then touch the **[2 FOOTER LOGO]** button to program.

(3) Enter the footer logo text and touch the **[ENTER]** key.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
FOOTER LOGO	40 characters x 12 lines: (**space**)	Footer logo text for the receipt

■ Bill header logo text
(8 TEXT EDITOR → 3 LOGO TEXT → 3 BILL LOGO → 1 **BILL HEADER** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[8 TEXT EDITOR]** button to display the menu, and touch the **[3 LOGO TEXT]** button to display the detail menu. Then touch the **[3 BILL LOGO]** button to program.

(3) Select the "BILL HEADER".

(4) Enter the bill header logo text and touch the **[ENTER]** key.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
BILL HEADER	40 characters x 3 lines: (**space**)	Header logo text for the bill

■ Bill footer logo text

(8 TEXT EDITOR → 3 LOGO TEXT → 3 BILL LOGO → 1 **BILL FOOTER** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[8 TEXT EDITOR]** button to display the menu, and touch the **[3 LOGO TEXT]** button to display the detail menu. Then touch the **[3 BILL LOGO]** button to program.

(3) Select the "BILL FOOTER".

(4) Enter the bill footer logo text and touch the **[ENTER]** key.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
BILL FOOTER	40 characters x 12 lines: (**space**)	Footer logo text for the bill

■ Eat-in logo text (8 TEXT EDITOR → 3 LOGO TEXT → 4 **EAT IN LOGO** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[8 TEXT EDITOR]** button to display the menu, and touch the **[3 LOGO TEXT]** button to display the detail menu. Then touch the **[4 EAT IN LOGO]** button to program.

(3) Enter the eat-in logo text and touch the **[ENTER]** key.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
EAT IN LOGO	40 characters x 3 lines: (**space**)	Header logo text

■ Sort group text (8 TEXT EDITOR → 4 **SORT GROUP TEXT** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[8 TEXT EDITOR]** button to display the menu, and touch the **[4 SORT GROUP TEXT]** button to display the detail menu.

(3) Select the sort group number to program.

(4) Enter the sort group text and touch the **[ENTER]** key.

(5) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
SORT GR00	8 characters (**SORTGR00**)	Sort group 0
SORT GR01	8 characters (**SORTGR01**)	Sort group 1
SORT GR02	8 characters (**SORTGR02**)	Sort group 2
:	:	:
:	:	:
SORT GR99	8 characters (**SORTGR99**)	Sort group 99

■ Receipt printer (4 PRINTERS → 1 **RECEIPT PRINTER** .... PGM1)
(9 SYSTEM → 1 PRINTERS → 1 **RECEIPT PRINTER** .... PGM2)

Procedure

(1) Select the PGM1 or PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) In the PGM1 mode, touch the **[4 PRINTERS]** button to display the menu, and touch the **[1 RECEIPT PRINTER]** button to program for the receipt printer.

(2)' In the PGM2 mode, touch the **[9 SYSTEM]** button to display the menu, and touch the **[1 PRINTERS]** button to display the detail menu. Then touch the **[1 RECEIPT PRINTER]** button to program.

(3) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TERMINAL#	[**0**] : [SELF TERMINAL No.] : This means local device. [1-254 (EXCEPT SELF TERMINAL NO.)] : RS232 connection (SHARED DEVICE) TCP/IP (4th octet of IP address)	Device assign (terminal#)
CHANNEL#	**0** : not connect/TCP/IP connection 1-5 : RS232 connection (channel#)	Device assign (channel#)
PRINTER NAME	TM-T85/T88(3)/T88 mark4/TM-300 /TM-U200/230 TM-T88(3)+LOGO/TM-U220+LOGO/**ER-01PU** /TM-T90	Kind of printer
AUTO CUTTER	**NO**/YES	Auto cutter
PAPER SHEET	TWO OR MORE/**ONE SHEET**	Paper type
TRAY ST FEED#	1 digit (**0** to 9) (only receipt printer's programming)	Tray ST feed line
# OF COPY RCPT	1digit (**1** to 9/0)	Number of copy receipt
CASHIER NAME	NOT PRINT/**PRINT**	Message print with cashier name
DATA PRINT	DISABLE/**ENABLE**	Enable or disable data transmission
HEADER LOGO PRINT	**PRE-PRINT**/EACH ISSUE	Header logo print timing

■ Journal printer (4 PRINTERS → 2 **JOURNAL PRINTER** .... PGM1)
(9 SYSTEM → 1 PRINTERS → 2 **JOURNAL PRINTER** .... PGM2)

Procedure

(1) Select the PGM1 or PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) In the PGM1 mode, touch the **[4 PRINTERS]** button to display the menu, and touch the **[2 JOURNAL PRINTER]** button to program for the journal printer.

(2)' In the PGM2 mode, touch the **[9 SYSTEM]** button to display the menu, and touch the **[1 PRINTERS]** button to display the detail menu. Then touch the **[2 JOURNAL PRINTER]** button to program.

(3) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TERMINAL#	[**0**] : [SELF TERMINAL No.] : This means local device. [1-254 (EXCEPT SELF TERMINAL NO.)] : RS232 connection (SHARED DEVICE) TCP/IP (4th octet of IP address)	Device assign (terminal#)
CHANNEL#	**0** : not connect/TCP/IP connection 1-5 : RS232 connection (channel#)	Device assign (channel#)
PRINTER NAME	TM-T85/T88(3)/T88 mark4/TM-300 /TM-U200/230 TM-T88(3)+LOGO/TM-U220+LOGO/**ER-01PU** /TM-T90	Kind of printer
AUTO CUTTER	**NO**/YES	Auto cutter
PAPER SHEET	TWO OR MORE/**ONE SHEET**	Paper type
DATA PRINT	DISABLE/**ENABLE**	Enable or disable data transmission

■ Bill printer (4 PRINTERS → 3 **BILL PRINTER** .... PGM1)
(9 SYSTEM → 1 PRINTERS → 3 **BILL PRINTER** .... PGM2)

Procedure

(1) Select the PGM1 or PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) In the PGM1 mode, touch the **[4 PRINTERS]** button to display the menu, and touch the **[3 BILL PRINTER]** button to program for the bill printer.

(2)' In the PGM2 mode, touch the **[9 SYSTEM]** button to display the menu, and touch the **[1 PRINTERS]** button to display the detail menu. Then touch the **[3 BILL PRINTER]** button to program.

(3) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TERMINAL#	[**0**] : [SELF TERMINAL No.] : This means local device. [1-254 (EXCEPT SELF TERMINAL NO.)] : RS232 connection (SHARED DEVICE) TCP/IP (4th octet of IP address)	Device assign (terminal#)
CHANNEL#	**0** : not connect/TCP/IP connection 1-5 : RS232 connection (channel#)	Device assign (channel#)
PRINTER NAME	TM-T85/T88(3)/T88 mark4/TM-300 /TM-U200/230 TM-T88(3)+LOGO/TM-U220+LOGO/**ER-01PU** /TM-T90	Kind of printer
AUTO CUTTER	**NO**/YES	Auto cutter
PAPER SHEET	TWO OR MORE/**ONE SHEET**	Paper type
CASHIER NAME	NOT PRINT/**PRINT**	Message print with cashier name
DATA PRINT	DISABLE/**ENABLE**	Enable or disable data transmission
HEADER LOGO PRINT	**PRE-PRINT**/EACH ISSUE	Header logo print timing

■ Report printer (4 PRINTERS → 4 **REPORT PRINTER** .... PGM1)
(9 SYSTEM → 1 PRINTERS → 4 **REPORT PRINTER** .... PGM2)

Procedure

(1) Select the PGM1 or PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) In the PGM1 mode, touch the **[4 PRINTERS]** button to display the menu, and touch the **[4 REPORT PRINTER]** button to program for the report printer.

(2)' In the PGM2 mode, touch the **[9 SYSTEM]** button to display the menu, and touch the **[1 PRINTERS]** button to display the detail menu. Then touch the **[4 REPORT PRINTER]** button to program.

(3) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TERMINAL#	[**0**] : [SELF TERMINAL No.] : This means local device. [1-254 (EXCEPT SELF TERMINAL NO.)] : RS232 connection (SHARED DEVICE) TCP/IP (4th octet of IP address)	Device assign (terminal#)
CHANNEL#	**0** : not connect/TCP/IP connection 1-5 : RS232 connection (channel#)	Device assign (channel#)
PRINTER NAME	TM-T85/T88(3)/T88 mark4/TM-300 /TM-U200/230 TM-T88(3)+LOGO/TM-U220+LOGO/**ER-01PU** /TM-T90	Kind of printer
AUTO CUTTER	**NO**/YES	Auto cutter
PAPER SHEET	TWO OR MORE/**ONE SHEET**	Paper type
LOGO PRT REPORT	**PRINT**/NOT PRINT	Logo print on report printer
CASHIER NAME	NOT PRINT/**PRINT**	Message print with cashier name
DATA PRINT	DISABLE/**ENABLE**	Enable or disable data transmission
HEADER LOGO PRINT	**PRE-PRINT**/EACH ISSUE	Header logo print timing

■ Kitchen printer (4 PRINTERS → 5 **KP#1** to 13 **KP#9** .... PGM1)

(9 SYSTEM → 1 PRINTERS → 5 **KP#1** to 13 **KP#9** .... PGM2)

Procedure

(1) Select the PGM1 or PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) In the PGM1 mode, touch the **[4 PRINTERS]** button to display the menu, and touch the **[5 KP#1]** thru **[13 KP#9]** button to program for the kitchen printer.

(2)' In the PGM2 mode, touch the **[9 SYSTEM]** button to display the menu, and touch the **[1 PRINTERS]** button to display the detail menu. Then touch the **[5 KP#1]** thru **[13 KP#9]** button to program.

(3) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TERMINAL#	**[0]** : [SELF TERMINAL No.] : This means local device. [1-254 (EXCEPT SELF TERMINAL NO.)] : RS232 connection (SHARED DEVICE) TCP/IP (4th octet of IP address)	Device assign (terminal#)
CHANNEL#	**0** : not connect/TCP/IP connection 1-5 : RS232 connection (channel#)	Device assign (channel#)
PRINTER NAME	TM-T85/T88(3)/T88 mark4/TM-300 /TM-U200/230 TM-T88(3)+LOGO/TM-U220+LOGO/**ER-01PU** /TM-T90	Kind of printer
AUTO CUTTER	**NO**/YES	Auto cutter
PAPER SHEET	TWO OR MORE/**ONE SHEET**	Paper type
LOGO PRINT KP	NOT PRINT/**PRINT** (only kitchen printer's programming)	Logo print on kitchen printer
CASHIER NAME	NOT PRINT/**PRINT**	Message print with cashier name
HEADER LOGO PRINT	**PRE-PRINT**/EACH ISSUE	Header logo print timing
SORT WITH CUT	**YES**/NO	Sorted receipt with cut
PRINT TYPE	**ADDITION**/SINGLE/DOUBLE/ ADDTION+SINGLE/DOUBLE ADDITION/ DOUBLE ADD+SNGL	Kitchen printer type
DATA PRINT	NOTHING/ON CHIT/**ON KP**	Enable or disable data transmission to KP
SECOND KP	1 digit (**0** -9)	Second KP numbers.
NAME	12 characters (**Space**)	Kitchen printer names.
QTY IS 1	**SKIP**/PRINT	Print format for KP
PLU CODE	**SKIP**/PRINT	
UNIT PRICE	**SKIP**/PRINT	
AMOUNT	**SKIP**/PRINT	
SOLID LINE	**SKIP**/PRINT	

■ Chit format

(4 PRINTERS → 14 CHIT FORMAT .... PGM1)

(9 SYSTEM → 1 PRINTERS → 14 CHIT FORMAT .... PGM2)

Procedure

(1) Select the PGM1 or PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) In the PGM1 mode, touch the **[4 PRINTERS]** button to display the menu, and touch the **[14 CHIT FORMAT]** button to program for the chit format.

(2)' In the PGM2 mode, touch the **[9 SYSTEM]** button to display the menu, and touch the **[1 PRINTERS]** button to display the detail menu. Then touch the **[14 CHIT FORMAT]** button to program.

(3) Touch the required programming item, and enter or select each parameter and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
QTY IS 1	**SKIP**/PRINT	
PLU CODE	**SKIP**/PRINT	Print format for chit receipt
UNIT PRICE	**SKIP**/PRINT	
AMOUNT	**SKIP**/PRINT	

■ Bar code scanner

(9 SYSTEM → 2 DEVICE CONFIGURATIONS → 1 **BAR CODE SCANNER** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[9 SYSTEM]** button to display the menu, and touch the **[2 DEVICE CONFIGURATIONS]** button to display the detail menu. Then touch the **[1 BAR CODE SCANNER]** button to program.

(3) Touch the required program item, and enter each parameter and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
CHANNEL#	**0** – 5 "0" means no RS-232 channel is assigned.	Device assign
BAUD RATE	Transmission data rate (Baud rate) 19200 bps, 9600 bps, **4800 bps**	Transmission speed
DATA BITS	**7 bits**/8 bits	Data bit
PARITY	NON/**ODD**/EVEN	Parity bit
STOP BIT	**1 bit**/2 bits	Stop bit

■ Coin dispenser

(9 SYSTEM → 2 DEVICE CONFIGURATIONS → 2 **COIN DISPENSER** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[9 SYSTEM]** button to display the menu, and touch the **[2 DEVICE CONFIGURATIONS]** button to display the detail menu. Then touch the **[2 COIN DISPENSER]** button to program.

(3) Enter the channel number and touch the **[ENTER]** key.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
CHANNEL#	**0** – 5 "0" means no RS-232 channel is assigned.	Device assign

■ Scale (9 SYSTEM → 2 DEVICE CONFIGURATIONS → 3 **SCALE** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[9 SYSTEM]** button to display the menu, and touch the **[2 DEVICE CONFIGURATIONS]** button to display the detail menu. Then touch the **[3 SCALE]** button to program.

(3) Enter the channel number and touch the **[ENTER]** key.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
CHANNEL#	**0** – 5 "0" means no RS-232 channel is assigned.	Device assign

■ E-pay device type1 (OMNI)

(9 SYSTEM → 3 EPAY DEVICE PRESET → 1 **TYPE#1** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[9 SYSTEM]** button to display the menu, and touch the **[3 EPAY DEVICE PRESET]** button to display the detail menu. Then touch the **[1 TYPE#1]** button to program.

(3) Touch the required program item, and enter each parameter and touch the **[ENTER]** key.
Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TERMINAL#	[**0**] (Channel# is not "φ".) This means local device. (RS connection) [1 – 2] (Channel# is "φ".) This means MWS connection.	Device assign (terminal#)
CHANNEL#	**0** – 5 "0" means no RS-232 channel is assigned.	Device assign (channel#)
TIME OUT1	3 digits (1 to 255 (sec): **10**)	Time out timer for ACK/NAK
TIME OUT2	3 digits (1 to 255 (sec): **99**)	Time out timer for response of authorization
BAUD RATE	Transmission data rate (baud rate) 19200 bps **9600 bps** 4800 bps 2400 bps 1200 bps 300 bps	Baud rate

■ E-pay device type2 (DATA TRAN)

(9 SYSTEM → 3 EPAY DEVICE PRESET → 2 **TYPE#2** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[9 SYSTEM]** button to display the menu, and touch the **[3 EPAY DEVICE PRESET]** button to display the detail menu. Then touch the **[2 TYPE#2]** button to program.

(3) Touch the required program item, and enter each parameter and touch the **[ENTER]** key. Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TERMINAL#	[**0**] This means local device. (RS connection) [1 – 254] This means re-routed device.	Device assign (terminal#)
CHANNEL#	**0** – 5 "0" means no RS-232 channel is assigned.	Device assign (channel#)
TIME OUT1	3 digits (1 to 255 (sec): **10**)	Time out timer for ACK/NAK
TIME OUT2	3 digits (1 to 255 (sec): **99**)	Time out timer for response of authorization
TIME OUT3	4 digits (1 to 3000 (sec): **99**)	Time out timer for batch close
TEL NO.	1-25 character (**0** to 9, W, comma)	Phone number for dial out
TEL ID	8 digits (**00000000** to 99999999)	Password for dial out
TEL MODE	PULSE/**TONE**	Dial mode for dial out
FTS MODE	ENABLE/**DISABLE**	FTS mode
AMOUNT%	**0.00**% -100.00%	Authorization rate to allow CH tip

■ E-pay device type3 (PNC-330)

(9 SYSTEM → 3 EPAY DEVICE PRESET → 3 **TYPE#3** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[9 SYSTEM]** button to display the menu, and touch the **[3 EPAY DEVICE PRESET]** button to display the detail menu. Then touch the **[3 TYPE#3]** button to program.

(3) Touch the required program item, and enter each parameter and touch the **[ENTER]** key.
Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
CHANNEL#	**0** – 5 "0" means no RS-232 channel is assigned.	Device assign (channel#)
TIME OUT1	3 digits (1 to 255 (sec): **10**)	Time out timer for ACK/NAK
TIME OUT2	3 digits (1 to 255 (sec): **99**)	Time out timer for response of authorization
BAUD RATE	Transmission data rate (baud rate) 19200 bps **9600 bps** 4800 bps 2400 bps 1200 bps 300 bps	Baud rate
PRODUCT CODE	10 digits (**0000000000** to 9999999999)	Product code

■ E-pay device PIN pad (9 SYSTEM → 3 EPAY DEVICE PRESET → 4 **PIN PAD** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[9 SYSTEM]** button to display the menu, and touch the **[3 EPAY DEVICE PRESET]** button to display the detail menu. Then touch the **[4 PIN PAD]** button to program.

(3) Touch the required program item, and enter each parameter and touch the **[ENTER]** key.
Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
CHANNEL#	**0** – 5 "0" means no RS-232 channel is assigned.	Device assign (channel#)
TIME OUT1	3 digits (1 to 255 (sec): **10**)	Time out timer for ACK/NAK
TIME OUT2	3 digits (1 to 255 (sec): **99**)	Time out timer for response of PIN data
BAUD RATE	Transmission data rate (baud rate) 19200 bps **9600 bps** 4800 bps 2400 bps 1200 bps 300 bps	Baud rate

■ E-pay device IC card (9 SYSTEM → 3 EPAY DEVICE PRESET → 5 **IC CARD** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[9 SYSTEM]** button to display the menu, and touch the **[3 EPAY DEVICE PRESET]** button to display the detail menu. Then touch the **[5 IC CARD]** button to program.

(3) Touch the required program item, and enter each parameter and touch the **[ENTER]** key.
Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
CHANNEL#	**0** – 5 "0" means no RS-232 channel is assigned.	Device assign (channel#)
TIME OUT1	3 digits (1 to 255 (sec): **60**)	Time out timer

■ E-pay device account balance I/F
(9 SYSTEM → 3 EPAY DEVICE PRESET → 6 **ACCOUNT BALANCE I/F** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[9 SYSTEM]** button to display the menu, and touch the **[3 EPAY DEVICE PRESET]** button to display the detail menu. Then touch the **[6 ACCOUNT BALANCE I/F]** button to program.

(3) Touch the required program item, and enter each parameter and touch the **[ENTER]** key.
Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TERMINAL#	[**0**] (Self terminal no.) This means local device. [1 – 2] This means MWS connection. [3 – 254] (Except self terminal no.) This means re-routed device.	Device assign (terminal#)
CHANNEL#	**0** – 5 "0" means no RS-232 channel is assigned.	Device assign (channel#)
TIME OUT1	3 digits (1 to 255 (sec): **10**)	Time out timer 1
TIME OUT2	3 digits (1 to 255 (sec): **99**)	Time out timer 2
BAUD RATE	Transmission data rate (baud rate) 19200 bps **9600 bps** 4800 bps 2400 bps 1200 bps 300 bps	Baud rate

■ E-pay device card reader

(9 SYSTEM → 3 EPAY DEVICE PRESET → 7 **CARD READER** .... PGM2)

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[9 SYSTEM]** button to display the menu, and touch the **[3 EPAY DEVICE PRESET]** button to display the detail menu. Then touch the **[7 CARD READER]** button to program.

(3) Touch the required program item, and enter each parameter and touch the **[ENTER]** key.
Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
CHANNEL#	**0** – 5 "0" means no RS-232 channel is assigned.	Device assign (channel#)
TIME OUT1	3 digits (1 to 255 (sec): **10**)	Time out timer 1
TIME OUT2	3 digits (1 to 255 (sec): **99**)	Time out timer 2
BAUD RATE	Transmission data rate (baud rate) 19200 bps **9600 bps** 4800 bps 2400 bps 1200 bps 300 bps	Baud rate

■ CVM preset (9 SYSTEM → 4 **CVM PRESET** .... PGM2)

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[9 SYSTEM]** button to display the menu, and touch the **[4 CVM PRESET]** button to program.

(3) Touch the required program item, and enter each parameter and touch the **[ENTER]** key.
Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TERMINAL#	[**0**] : not connect [1 – 254] : TCP/IP (4th octet of IP address)	Device assign (terminal#)
SEND PRINT DATA	DISABLE/**ENABLE**	Send print data

■ OCB preset (9 SYSTEM → 5 **OCB PRESET** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[9 SYSTEM]** button to display the menu, and touch the **[5 OCB PRESET]** button to program.

(3) Touch the required program item, and enter each parameter and touch the **[ENTER]** key.
    Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TERMINAL#	[**0**] : not connect [1 – 254] : TCP/IP (4th octet of IP address)	Device assign (terminal#)
SEND PRINT DATA	DISABLE/**ENABLE**	Send print data

■ CCTV preset (9 SYSTEM → 6 **CCTV PRESET** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[9 SYSTEM]** button to display the menu, and touch the **[6 CCTV PRESET]** button to program.

(3) Touch the required program item, and enter each parameter and touch the **[ENTER]** key.
    Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
TERMINAL#	[**0**] : not connect [1 – 254] : TCP/IP (4th octet of IP address)	Device assign (terminal#)
SEND PRINT DATA	DISABLE/**ENABLE**	Send print data

■ On-line preset (9 SYSTEM → 7 **ONLINE SETTING** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[9 SYSTEM]** button to display the menu, and touch the **[7 ONLINE PRESET]** button to program.

(3) Touch the required program item, and enter each parameter and touch the **[ENTER]** key.
    Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
CHANNEL#	**0** – 5 "0" means no RS-232 channel is assigned.	Device assign
TERMINAL No.	6 digits (0 to 999999 : **000001**)	Terminal no.
CI SIGNAL	Sensing of the CI signal SENSING/**NON**	Sensing of the CI signal
LINE FORM	Half duplex/Full duplex SYSTEM HALF/**FULL**	Transmission line form
BAUD RATE	Transmission data rate (Baud rate) 115200 bps 57600 bps 38400 bps 19200 bps **9600 bps** 4800 bps 2400 bps	Baud rate
START CODE	3 digits (0 to 127 : **002**)	Start code
END CODE	3 digits (0 to 127 : **013**)	End code
TIME OUT	3 digits (1 to 255 (sec) : **007**)	Time out time
AT COMMAND OPEN	50 characters (**null**)	At command with open store
AT COMMAND CLOSE	50 characters (**null**)	At command with close store

■ MWS preset (9 SYSTEM → 8 **MWS PRESET** .... PGM2)

Procedure

(1) Select the PGM2 mode and touch the **[2 POS SETTING]** to perform the programming.

(2) Touch the **[9 SYSTEM]** button to display the menu, and touch the **[8 MWS PRESET]** button to program.

(3) Touch the required program item, and enter each parameter and touch the **[ENTER]** key.
    Repeat this step (3) satisfactorily.

(4) To terminate the programming, touch the **[EXIT]** key.

Text	Parameter	Classification
MWS1 IP ADDR. 1	3 digits (0 to 255 : **192**)	IP address 1 (for MWS1)
MWS1 IP ADDR. 2	3 digits (0 to 255 : **168**)	IP address 2 (for MWS1)
MWS1 IP ADDR. 3	3 digits (**0** to 255)	IP address 3 (for MWS1)
MWS1 T-NO.	3 digits (**0** to 254)	MWS1 terminal no. (IP address)
MWS1 TIME OUT	3 digits (1 to 255 (sec) : **007**)	Time out time (for MWS1)
MWS2 IP ADDR. 1	3 digits (0 to 255 : **192**)	IP address 1 (for MWS2)
MWS2 IP ADDR. 2	3 digits (0 to 255 : **168**)	IP address 2 (for MWS2)
MWS2 IP ADDR. 3	3 digits (**0** to 255)	IP address 3 (for MWS2)
MWS2 T-NO.	3 digits (**0** to 254)	MWS2 terminal no. (IP address)
MWS2 TIME OUT	3 digits (1 to 255 (sec) : **007**)	Time out time
G.W. ADDR. 1	3 digits (0 to 255 : **192**)	GATEWAY address
G.W. ADDR. 2	3 digits (0 to 255 : **168**)	GATEWAY address
G.W. ADDR. 3	3 digits (**0** to 255)	GATEWAY address
G.W. ADDR. 4	3 digits (**0** to 254)	GATEWAY no. (IP address)

Data Clear

The DATA CLEAR is chiefly used for clearing data in the event some system trouble occurred.
Use the following procedure to perform the data clear operation only when instructed by your authorized SHARP dealer.

Procedure

(1) Select the menu "POS SETTING" in the PGM2 mode, the job menu window is displayed.

(2) Select the "DATA CLEAR" menu, the data list window is displayed.
Select the required data.

      1 CAPTURE DATA   : (The MAR file is cleared.)
      2 OFFLINE ACCT   : (The ACCT BAL offline file is cleared.)
      3 T-LOG   : (The T-LOG file is cleared.)
      4 ELECTRONIC JOURNAL : (The electronic journal data is cleared.)

(3) To finish the operation touch the **[EXIT]** key.

Automatic Sequencing Key Programming

If you program frequently performed key operations for the AUTO keys, you can enter those key operations simply by pressing the corresponding AUTO keys in key operations.
To program an automatic sequencing key is as follows:

Procedure

(1) Select the menu "AUTO KEY" in the PGM2 mode, the screen list window is displayed.
Select the required screen and touch the auto key to program, the sub menu "KEY STYLE PRESET" and "KEY CONTENT PRESET" is displayed.
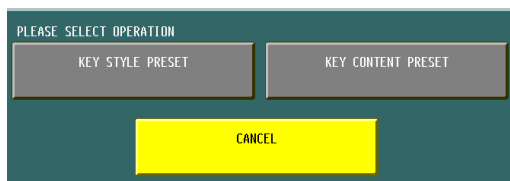
(2) To program the key text or key color, select the "KEY STYLE PRESET" and program the following data.

Text	Parameter	Classification
KEY TEXT	8 characters (**AUTOnnn**)	Key text
KEY COLOR	224 Color (Fore Color/Back Color) (WHITE/FUCHSIA)	Key color

(2)' To program the key sequence, select the "KEY CONTENT PRESET" and touch the sequence keys to program.
Max. 99 key steps can be programmed.
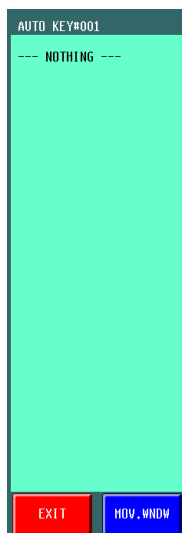
(3) To finish the programming touch the **[EXIT]** key.

(4) The confirmation window is displayed. Select the operation from "1.SAVE/2.ABANDON/3.CANCEL" menu.

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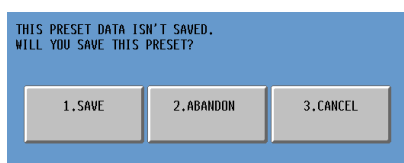
Reading Stored Programs

You can read programs stored in the PGM1 or PGM2 mode.

Procedure

(1) Select the menu "POS READING" in the PGM1 or PGM2 mode, the job menu window is displayed.

(2) Select the required reading menu, the output device selection window is displayed.
     Select the output device "DISPLAY/REPORT PRINTER".

(3) To finish the operation touch the **[EXIT]** key.

PGM reading jobs:

PGM1 mode	1 PLU/UPC		
	2 DYNAMIC UPC		
	3 COUPON PLU		
	4 CASHIER		
	5 FUNCTION		
	6 PRINTERS		
PGM2 mode	1 DEPARTMENT	1 DEPARTMENT	
		2 DEPT GR. REVENUE	
	2 ITEM SETUP	1 PLU/UPC	
		2 MODIFIER PLU	
		3 COUPON PLU	
		4 RECIPE TEXT	
		5 DYNAMIC UPC	
		6 UPC OTHER	
	3 TABLES	1 CONDIMENT TABLES	
		2 COMBO MEAL TABLES	
		3 LINK PLU/UPC TABLES	
		4 SET PLU TABLES	
		5 MIX&MATCH TABLES	
		6 SCALE TABLES	
	4 WORK FORCE	1 CASHIER	
		2 EMPLOYEE	
		3 JOB LOCATIONS	
		4 LABOR COST	
		5 AUTHORITY	
	5 KEYBOARD FUNCTIONS	1 PLU MENU KEYS	
		2 FUNCTION MENU KEYS	
		3 DIRECT KEYS	
		4 MACRO KEYS	
		5 CAPTURE KEYS	
		6 CAPTURE JOB#	
		7 FUNCTION KEYS	

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PGM2 mode	6 POS FUNCTIONS	1 TAX	
		2 MEDIA	
		3 CONVERSION	
		4 FUNCTIONS	
		5 NEGATIVE#	
		6 POSITIVE#	
	7 TERMINAL	1 REPORTS	
		2 MAINTENANCE	
		3 TERMINAL	
		4 OPTIONAL SETTING	
		5 GLU/D-THRU CODE	
	8 TEXT EDITOR	1 REVENUE CENTER TEXT	
		2 FUNCTION TEXT	
		3 LOGO TEXT	
		4 SORT GROUP TEXT	
	9 SYSTEM	1 PRINTERS	
		2 DEICE CONFIGURATIONS	
		3 EPAY DEVICE PRESET	
		4 CVM PRESET	
		5 OCB PRESET	
		6 CCTV PRESET	
		7 ONLINE PRESET	
		8 MWS PRESET	
	10 AUTO KEYS		

10 Unit Price Mode Programming

The UNIT PRICE mode programming is mainly used for daily changes of the PLU's unit price.
The programming procedure of unit prices for PLUs is as follows.

Procedure

(1) Select the "UNIT PRICE" mode in the mode selection window, the programming window is displayed.

(2) To select the screen touch the **[SELECT SCREEN]** key and select the required screen.
     Touch the objective PLU key.

(2)' When you want to use the PLU list, touch the **[LIST MENU]** key and enter the PLU code or select the
     PLU in the PLU list window.

(3) Enter the new unit price for a PLU.

(4) To finish the operation touch the **[EXIT]** key.

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11 Data Saving or Loading (SD Card)

The POS terminal data can be saved to the SD memory card, and the programming data can be loaded from the SD memory card.
To use the SD memory card function, select the "SD CARD" mode in the mode selection window and perform the following operations.

Inserting and Removing an SD Memory Card

The SD card slot is located on the left side of your POS terminal and has a side cover.

Inserting an SD memory card
Insert an SD memory card into the SD card slot with the printed SD logo facing upwards. Push the card in steady with a finger until it clicks and release it slowly.
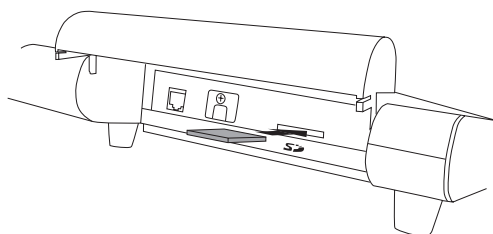
Removing the SD memory card
Push the card in gently with a finger and release it. The card will Come out.

NOTE

- *This model supports SD cards only. Use of any other types of SD cards such as mini SD, micro SD, etc. with an adapter is not supported.*
- *When inserting or removing the SD memory card, be sure to release it slowly. Otherwise, the card may pop out and injure your finger.*
- *Never touch or remove the SD memory card while it is accessed, otherwise the data stored in it may be damaged.*
- *Formatting the SD memory card erases all the data in it.*

■ SD memory card formatting

When the SD memory card is not formatted yet, take the formatting operation.

Procedure

(1) Select the "FORMATTING" menu in the "SD CARD" mode, the confirmation window is displayed.

(2) To perform the format operation, touch the **[OK]** key.

(2)' To cancel the operation, touch the **[CANCEL]** key.

■ Folder code programming

The programmed code is used the file folder structure. Up to 8 digits code can be programmed.

Procedure

(1) Select the "FOLDER CONTROL" menu in the "SD CARD" mode, the folder control menu window is displayed.

(2) Select the "FOLDER CODE" menu and enter the folder codes.

(2)' To cancel the operation, touch the **[EXIT]** key.

■ Folder creating

The master folder can be created for the data file.
(¥SHARP¥ECRmmmm¥nnnnnnnn¥: mmmm/machine no., nnnnnnnn/folder code)

Procedure

(1) Select the "FOLDER CONTROL" menu in the "SD CARD" mode, the folder control menu window is displayed.

(2) Select the "FOLDER CREATE" menu, the confirmation window is displayed.

(3) To create the file folder, touch the **[OK]** key.

(3)' To cancel the operation, touch the **[CANCEL]** key.

■ Data saving

The sales data, EJ data or programming data can be saved to the SD memory card.

Procedure

(1) Select the "SAVING" menu in the "SD CARD" mode, the data list window is displayed.

(2) Select the data menu from "SALES DATA/EJ DATA/PROGRAMMING DATA" list, the confirmation window is displayed.

(3) To save the required data file, touch the **[OK]** key.

(3)' To cancel the operation, touch the **[CANCEL]** key.

■ Data loading

The programming data can be loaded from the SD memory card.

Procedure

(1) Select the "LOADING" menu in the "SD CARD" mode, the data list window is displayed.

(2) Touch the data menu "PROGRAMMING DATA", the confirmation window is displayed.

(3) To load the programming data file, touch the **[OK]** key.

(3)' To cancel the operation, touch the **[CANCEL]** key.

12 Operator Maintenance

In Case of Power Failure

When power is lost, the POS terminal retains its memory contents and all information on sales totals.
- When power failure is encountered in the POS terminal idle state or during an entry, the POS terminal returns to the normal state of operation after power recovery.

Before Calling for Service

The malfunction shown in the left-hand column below, labeled "Condition," does not necessarily indicate functional faults of the terminal. The condition listed is only meant to be a reference for the items shown in the "Checking" column at the right before calling for service.

Condition	Checking
The power indicator is not lit.	- Is power supplied to the electrical outlet? - Is the AC power cord plug removed or loosely connected to the electrical outlet? - Is the AC adapter connector removed or loosely connected to the AC adapter jack?

13 Options

List of Options

The following Sharp options are available for your POS terminal:
Please do not try to install options yourself.
For further details about additional options not listed below, contact your SHARP dealer.

1. External thermal printer   models ER-01PU/ER-01PUG
2. Integrated rear customer display   model UP-I20DP
3. Remote customer pole display   models UP-P20DP/UP-P20DPB
4. Remote drawer   models ER-03DWB7/ER-03DW/ER-04DW
5. The ER-75CC3 till is used for the ER-03DW.
6. The ER-55CC2 till is used for the ER-04DW.
7. The ER-02CV till cover is used for the ER-55CC2/ER-75CC3.
8. RAM memory board   models UP-S04MB2/UP-S08MB

Note: You cannot use the UP-I20DP and the UP-P20DP/UP-P20DPB simultaneously.

14 Specifications

Model:	UP-3500
External dimensions:	12.5(W) × 12.3(D) × 11.6(H) in. approximately (317(W) × 313(D) × 294(H) mm)
Weight:	Approximately 10.1 lb. (4.6 kg) (excluding the AC adapter)
Power source:	120V AC ±10%, 60 Hz
Power consumption:	Stand-by: 6.5 W Operating: 29 W
Working temperature:	32 to 104 °F (0 to 40 °C)
Electronics:	LSI (CPU) etc.
Built-in battery:	Rechargeable battery pack, memory holding time of approx. 1 month (with fully charged built-in battery pack, at room temperature)
Display:	Type: TFT color LCD with backlighting Analog touch key Size: 12.1" (307 mm) full screen Resolution: 1024 × 768 dots
Accessories:	Hardware operation manual (1 copy) AC adapter (1 piece) Leg caps (4 pieces)

• Specifications and appearance are subject to change without notice for improvement.

NOTICE

BE SURE TO ASK YOUR AUTHORIZED SHARP DEALER ABOUT THE WARRANTY THAT YOUR SELLING DEALER EXTENDS TO YOU. In order to assure you, the end-user, of warranty protection, Sharp extends a limited warranty to each of its authorized dealers, and in turn requires each of its authorized dealers to extend its own warranty to you on terms that are no less favorable than those given to the dealer by Sharp. You should be aware, however, that Sharp does not itself extend any warranties, either express or implied, directly to you, the end-user, and no one is authorized to make any representations or warranties on behalf of Sharp. Specifically, SHARP DOES NOT EXTEND TO YOU, THE END-USER, ANY EXPRESS WARRANTY OR ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR USE OR FITNESS FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH THE HARDWARE, SOFTWARE, OR FIRMWARE EMBODIED IN OR USED IN CONJUNCTION WITH THIS PRODUCT. Sharp is not responsible for any damages or loss, either direct, incidental or consequential, which you, the end-user, may experience as a result of your purchase or use of the hardware, software or firmware embodied in or used in conjunction with this product. Your sole remedy in the event that you encounter any difficulties with the product is against the authorized dealer from which you purchased the product. In the event that this authorized dealer does not honor its warranty commitments, please contact the Point of Sale Division, ISG, Sharp Electronics Corporation, Sharp Plaza, P.O. Box 650, Mahwah, NJ 07430-2135 so that Sharp can try to help you to assure complete satisfaction of all the warranty rights to which you are entitled from the authorized dealer.

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