

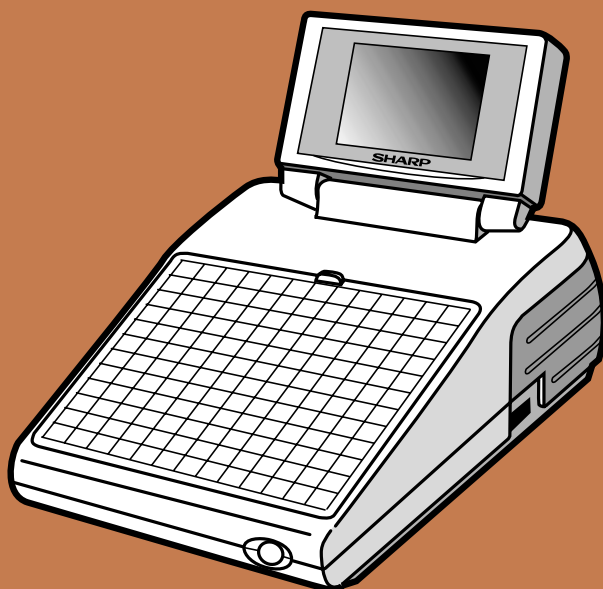
# SHARP®

POS TERMINAL

MODEL

# ER-A770

INSTRUCTION MANUAL



**CAUTION**

The socket-outlet should be installed near the equipment and should be easily accessible.

---

# INTRODUCTION

Thank you very much for your purchase of the SHARP POS Terminal Model ER-A770. 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 any operational problems.

---

## IMPORTANT

- **Install your POS terminal in a location that is not subject to direct sunlight, unusual temperature changes, high humidity or exposure to water sources and keep away from heat and magnetic sources.**  
Installation in such locations could cause damage to the cabinet and the electrical components.
- **The POS terminal should not be operated by an individual with wet hands.**  
The water could seep into the interior of the POS terminal and cause component failure.
- **Do not apply excessive pressure to the display.**  
Do not use a sharp-pointed object on the display, or the LCD may become damaged.
- **When cleaning your POS terminal, use a dry, soft cloth. Never use solvents, such as benzine and/or thinner.**  
The use of such chemicals will lead to discoloration or deterioration of the cabinet.
- **The POS terminal plugs into any standard wall outlet (120V  $\pm$ 10% AC) with a dedicated earth-ground.**  
Other electrical devices on the same electrical circuit could cause the POS terminal to malfunction.
- **If the POS terminal malfunctions, call your authorized SHARP dealer for service - do not try to repair the POS terminal yourself.**
- **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. It should be known 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 charged for a period of 24 to 48 hours prior to use by the customer.

In order to charge the battery pack, the machine must be plugged in and its power switch must be set to the "ON" position. This charging precaution can prevent unnecessary initial service calls.

---

# CONTENTS

<b>INTRODUCTION</b> .....	1
<b>IMPORTANT</b> .....	1
<b>PRECAUTION</b> .....	1
<b>1. Part Names and Functions</b> .....	7
External View .....	7
Front view .....	7
Rear view .....	7
Tilt control screws .....	8
Keyboard .....	8
Inserting the keyboard sheet .....	8
Standard keyboard layout .....	9
Optional keys .....	10
Display .....	12
Operator display .....	12
Screen save mode .....	13
<b>2. Before Operating the POS Terminal</b> .....	14
Display Adjustment .....	14
Connecting the Printer and Installing the Paper Rolls .....	14
<b>3. Selecting an Operating Mode</b> .....	15
Operating Modes .....	15
Mode Selection .....	16
Selecting a mode .....	16
Entering a secret code .....	16
Returning to the mode selection window .....	16
<b>4. Time Display and Automatic Updating of the Date</b> .....	17
<b>5. Prior to Entries</b> .....	18
Preparations for Entries .....	18
Error Warning .....	18
Sample Receipt .....	18
<b>6. Entries</b> .....	19
Server Code Entries .....	19
Item Selection from the Function Menu Windows .....	19
Item Entries .....	21
Single item entries .....	21
Repeat entries .....	22
Multiplication entries .....	22
Box sale entries .....	23
Scale entries .....	23
Special Entries for PLUs .....	25
Mix-and-match function .....	25
Link PLU entries .....	25
Combo meal entries .....	25
PLU level shift (for direct PLUs) .....	26
PLU price level shift .....	27
Condiment entries .....	28
Repeat round entries .....	28
Display of Subtotals .....	29
Merchandise subtotal .....	29
Taxable subtotal .....	29
Including-tax subtotal .....	29

Tray subtotal .....	29
Eat-in subtotal .....	29
Finalization of Transaction .....	30
Cash or check tendering .....	30
Mixed tendering (check + cash) .....	30
Cash or check sale that does not need any tender entry .....	30
Charge (credit) sale .....	30
Mixed-tender sale (cash or check tendering + charge tendering) .....	30
Tax Calculations .....	31
Automatic tax .....	31
Manual tax .....	31
Tax deletion .....	31
Tax status shift .....	31
Guest Check (Table/PBLU) .....	32
Table/PBLU system .....	32
Drive-through function .....	34
Deposit entries .....	35
Transferring guest checks out or in (Transfer-in/out) .....	35
Bill totalizing/bill transfer .....	36
Bill separating .....	37
Auxiliary Entries .....	38
Percent calculations (premium or discount) .....	38
Discount entries .....	38
Refund entries .....	38
Return entries .....	38
Printing of non-add code numbers .....	38
Remote printer send function .....	39
Gratuity .....	39
Payment Treatment .....	39
Tip-in entries .....	39
Tip editing .....	40
Tip paid entries .....	40
Currency conversion .....	40
Received-on-account entries .....	41
Paid-out entries .....	41
No-sale (exchange) .....	42
Cashing a check .....	42
Employee Function .....	43
Server/manager sign-on .....	43
Employee's working time recording .....	43
Sales entry for employees .....	44
WASTE mode .....	45
<b>7. Correction .....</b>	<b>46</b>
Correction of the Last Entry (Direct Void) .....	46
Correction of the Next-to-Last or Earlier Entries (Indirect Void) .....	47
Subtotal Void .....	48
Correction of Incorrect Entries Not Handled by the Direct or Indirect Void Function .....	48
<b>8. Special Printing Function .....</b>	<b>49</b>
Printing Message Text or Chit Receipt .....	49
Copy Receipt Printing .....	49
<b>9. Manager Mode .....</b>	<b>51</b>
Entering the Manager Mode .....	51
Override Entries .....	51
<b>10. Correction after Finalizing a Transaction .....</b>	<b>52</b>
<b>11. Reading (X) and Resetting (Z) of Sales Totals .....</b>	<b>53</b>

How to take a reading (X1, X2) or resetting (Z1, Z2) report .....	53
Daily Sales Totals .....	56
Transaction report .....	56
Department report .....	59
Individual group total report on departments .....	60
Full group total report on departments .....	60
Department markdown report .....	60
PLU report by designated range .....	61
PLU report by associated department .....	62
Individual group total report on PLUs .....	63
Full group total report on PLUs .....	63
PLU stock report .....	63
PLU cost report .....	64
PLU top 20 report .....	65
PLU zero sales report (full) .....	66
PLU zero sales (by dept.) report .....	66
PLU minimum stock report .....	66
PLU group total report by hour .....	67
Cash in drawer report .....	67
Tax report .....	68
Individual server report .....	69
Full server report .....	70
Individual manager report .....	71
Full manager report .....	72
Employee report .....	73
Employee time adjustment report .....	73
Employee over-time report .....	73
Employee active status report .....	74
Hourly report .....	74
Labor cost % report .....	75
Ingredient stock report .....	75
GLU/PBLU report .....	76
GLU/PBLU report by server .....	76
Closed GLU/PBLU report .....	77
Closed GLU/PBLU report by server .....	78
Drive-through report .....	79
Drive-through report by server .....	79
Closed drive-through report .....	80
Closed drive-through report by server .....	81
Service time report .....	81
X1/Z1 stacked reports .....	81
Periodic Consolidation .....	82
Transaction report .....	82
Daily net report .....	83
Employee sales report (detailed) .....	84
Employee sales report (full) .....	84
Employee summary report .....	85
Payment period report .....	86
Payment period summary report .....	87
X2/Z2 stacked report .....	87
<b>12. How to Use the Programming Keyboard .....</b>	<b>88</b>
Programming Keyboard Layout .....	88
How to Program Alphanumeric Characters .....	89
Using character keys on the keyboard .....	89
Entering character codes .....	90
<b>13. Programming .....</b>	<b>91</b>
Basic Instructions .....	91
Programming example .....	91

Article Programming .....	93
Department .....	94
PLU .....	96
PLU range .....	99
PLU stock .....	100
Ingredient .....	101
Ingredient stock .....	102
Link PLU table .....	103
Condiment table .....	104
Mix & Match table .....	105
Recipe table .....	106
Combo meal table .....	107
Scale table .....	108
Direct Key Programming .....	109
Direct PLU/COMBO/dept. key .....	109
PLU Menu Key Programming .....	111
PLU menu key .....	111
Functional Programming .....	112
Discount key (⊖1 thru ⊖9) .....	113
Percent key (%1 thru %9) .....	114
Gratuity .....	115
Tip .....	115
RA .....	116
PO .....	116
Manual tax .....	117
Media Key Programming .....	118
Cash key .....	119
Check key .....	122
Charge key .....	125
Employee charge key .....	128
Currency conversion key .....	131
Eat-in key .....	131
Service key .....	132
Final key .....	134
Cash in drawer .....	136
Check change .....	136
Check cashing .....	137
Text Programming .....	138
Function text .....	139
Department group text .....	141
PLU group text .....	141
PLU hourly group text .....	142
Server group text .....	142
Message text .....	143
Personnel Programming .....	144
Server .....	145
Manager .....	146
Employee .....	147
Job location table .....	148
Terminal Programming .....	149
Machine number .....	150
Consecutive number .....	150
Interval timer .....	150
Default menu level .....	151
Available GLU # .....	151
Bill number .....	151
Date/Time Setting .....	152
Date/time .....	152
Optional Feature Selection .....	153

Function prohibition .....	154
Function selection .....	155
Printing selection .....	156
Secret Code Programming .....	158
Z1 reports .....	159
PGM2-mode operations .....	159
X2 and Z2 reports .....	160
System Z1 reports .....	160
System PGM2-mode operations .....	161
System X2 and Z2 reports .....	161
Initial down-loading (with clearing of memory) .....	162
Maintenance down-loading (without clearing of memory) .....	162
Report Programming .....	163
Zero skip .....	164
Hourly report .....	164
Stacked report .....	165
Employee report .....	168
Logo Text Programming .....	169
Receipt logo .....	170
Bill logo .....	170
Printer Programming .....	171
Printer .....	172
GLU Code Programming .....	173
Table#/PBLU code .....	174
Drive-through code .....	174
Tax Programming .....	175
Table tax .....	176
Rate (%) tax .....	178
Doughnut tax exempt (for the Canadian tax system) .....	178
TRAINING Mode Selection .....	179
TRAINING mode .....	179
Backup Data Send Programming .....	180
Backup data send .....	180
Backup Data Receive Programming .....	181
Backup data receive .....	181
PLU Updating (in the PGM1 Mode) .....	182
Unit price Mode Programming .....	183
Automatic Sequencing Key Programming .....	184
Reading of Stored Programs .....	185
Program reading sequence .....	185
Sample printouts .....	186
Data Clear .....	197
<b>14. Electronic Journal .....</b>	<b>198</b>
<b>15. Operator Maintenance .....</b>	<b>199</b>
Replacing the Backup Battery Pack .....	199
In Case of Power Failure .....	201
Before Calling for Service .....	201
<b>16. Options .....</b>	<b>202</b>
List of Options .....	202
<b>17. Specifications .....</b>	<b>203</b>
<b>18. Appendix .....</b>	<b>204</b>
Error Messages .....	204
<b>19. Index .....</b>	<b>206</b>



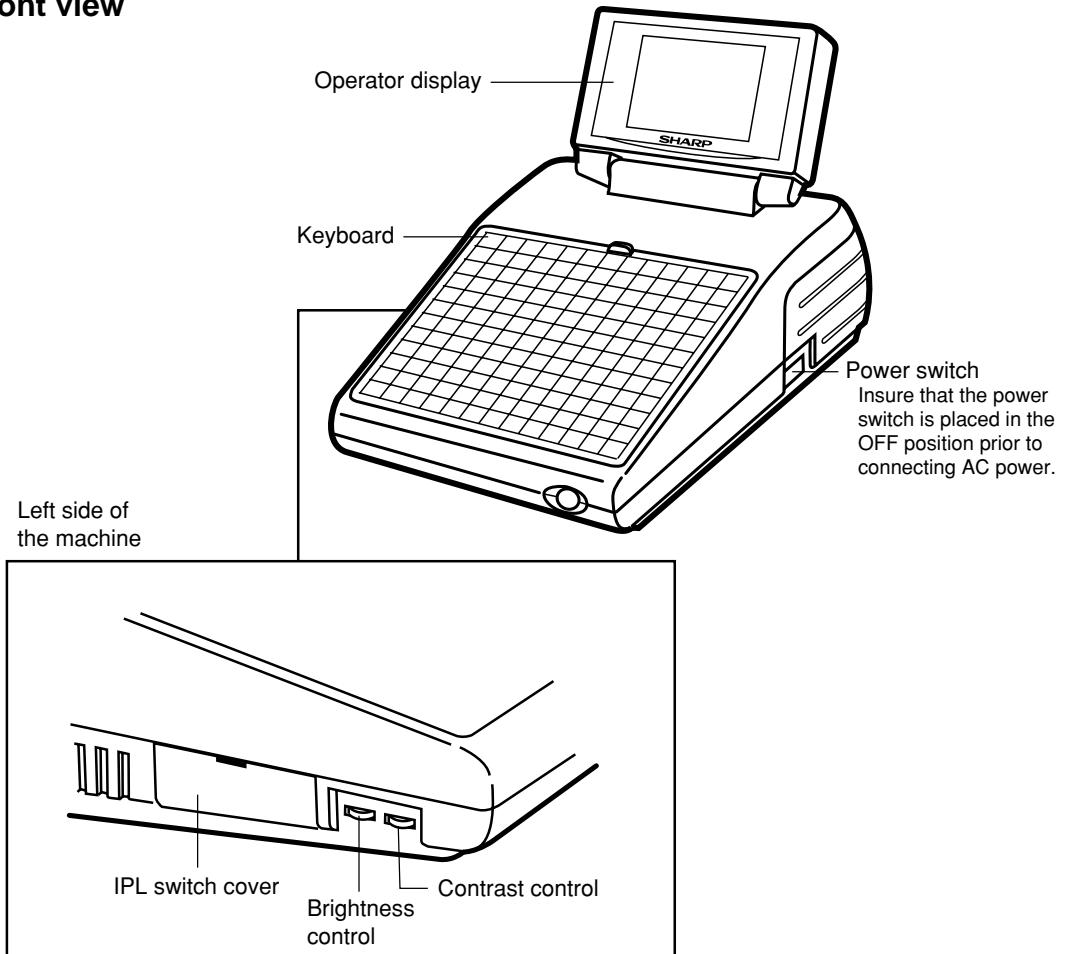
# 1

## Part Names and Functions

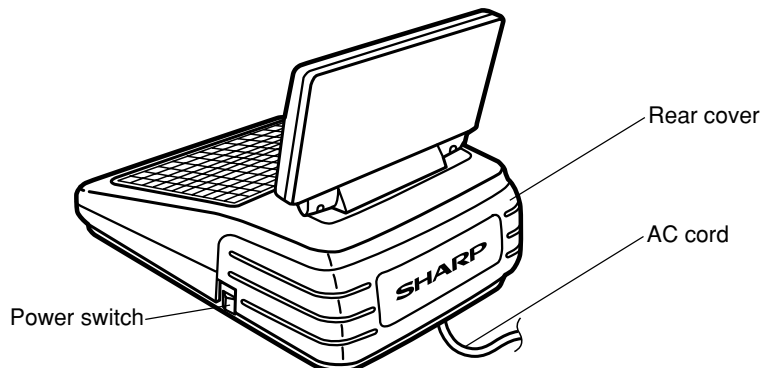
This chapter describes the part names and functions of this POS terminal.

### External View

#### ■ Front view



#### ■ Rear view



## ■ Tilt control screws

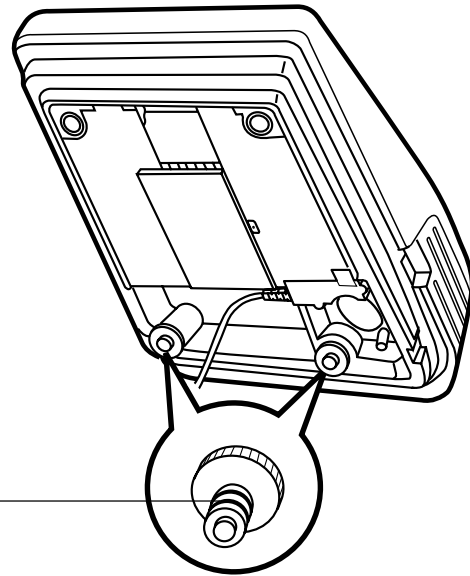
1. Loosen the outer screw.



2. Adjust the height of the inner screw.



3. Tighten the outer screw to fix it.



These lines can be used to measure the height of the screw.

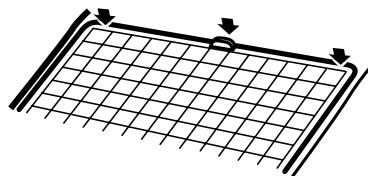
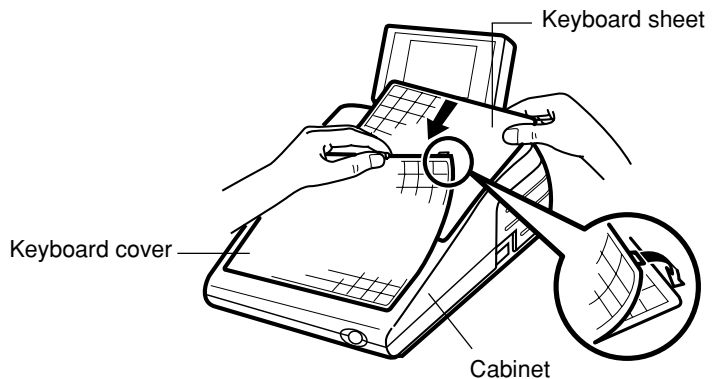
## Keyboard

### ■ Inserting the keyboard sheet

Insert the keyboard sheet between the keyboard cover and the cabinet as illustrated below.

#### NOTE

- Do not spread the keyboard cover too far as it might tear the tabs.
- Replace the keyboard sheet with a new one if by chance it gets wet. Use of a wet keyboard sheet may cause problems.
- Be sure to use only SHARP-supplied keyboard sheets. Thick or hard sheets may make key operation difficult.
- Smooth the keyboard sheet evenly under the keyboard cover, without any folds or wrinkles, to ensure easier operation.
- If you require a new keyboard sheet, please contact your dealer.
- The keyboard cover will eventually wear out. If your keyboard cover is dirty or broken, replace the cover with a new one. For details, contact your authorized SHARP dealer.



## ■ Standard keyboard layout

91	92	93	94	95	96	97	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	MISC FUNC
82	83	84	85	86	87	88	89	90	TAX1 SHIFT	TAX2 SHIFT	AUTO 1	MODE
73	74	75	76	77	78	79	80	81	BILL	RP ROUND	AUTO 2	NC
64	65	66	67	68	69	70	71	72	RCPT	GLU RECALL	RFND	SEAT #
55	56	57	58	59	60	61	62	63	⊖1	%1	MDSE SBTL	PBAL
46	47	48	49	50	51	52	53	54	MSG #	CHK #	CH #	SRVC
38	39	40	41	42	43	44	45	VOID	PAST VOID	SBTL VOID	PLU/SUB	FINAL
30	31	32	33	34	35	36	37	PAGE UP	SERV #	@/FOR	CL	BS
22	23	24	25	26	27	28	29	PAGE DOWN	7	8	9	BT
14	15	16	17	18	19	20	21	CANCEL	4	5	6	NEXT \$
7	8	9	10	11	12	13	↑	ENTER	1	2	3	SBTL
1	2	3	4	5	6	←	↓	→	0	00	•	CA/AT

### NOTE

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

0 ~ 9	Numeric keys	%1	Percent 1 key
00		TAX1 SHIFT ~ TAX2 SHIFT	Tax 1 and 2 shift keys
•	Decimal point key	RFND	Refund key
CL	Clear key	VOID	Void key
@/FOR	Multiplication key	PAST VOID	Past void key
RCPT	Receipt print key	SBTL VOID	Subtotal void key
RP ROUND	Repeat round key	BILL	Bill print key
⊖1	Discount 1 key	PLU/SUB	Price lookup/subdepartment key








































	Direct price lookup key		Charge menu key
	PLU level shift 1 thru 5 keys		Check menu key
	Service key		Next high dollar key
	Final key		Merchandise subtotal key
	New check key		Subtotal key
	Table# recall key		Cash/amount tendered key
	Previous balance key		Bill separation key
	Server code entry key		Bill totalize/Bill transfer key (CHECK-ADD)
	Message number entry key		Seat number entry key
	Miscellaneous function key		Page up/down keys
	Mode key		
	Enter key		Cursor (up/down/right/left arrow) keys
	Automatic sequencing 1 and 2 keys		
			Cancel key

#### NOTE

The following optional keys can optionally be mounted in place of those shown in the figure of the standard keyboard layout. For details, please consult your authorized SHARP dealer.

### Optional keys

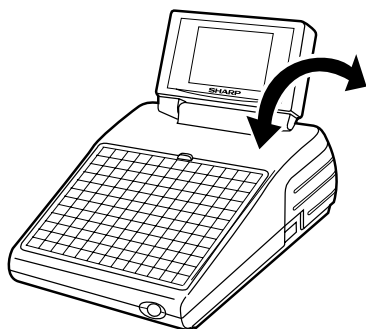
	000 key		Check 1 thru 4 keys
	Direct price lookup key		Transfer out key
	Department keys		Transfer in key
	Percent 2 thru 9 keys		Cash tip key
	Discount 2 thru 9 keys		Charge tip key
	Charge 1 thru 8 keys		Tip paid key
	Cash 2 key		Eat in 1 thru 3 keys
	Conversion 1 thru 4 keys		Tax 3 and 4 shift keys
	Received-on-account 1 and 2 keys		
			Deposit key
	Paid-out 1 and 2 keys		Deposit refund key
			Manual tax key
	Automatic sequencing 3 thru 25 keys		

	Gratuity exempt key		Repeat entry key
	Cover count entry key		Individual payment key
	Balance key		Employee sales key
	Currency conversion menu key		Receipt ON/OFF key
 ~ 	Price level shift 1 thru 5 keys		Scale entry key
	Backspace key	 ~ 	PLU level shift 6 thru 10 key
	Delete key		Wait key
	New check 2 key (for drive thru)		Recall key
	Previous balance 2 key (for drive thru)		Waste mode key
	Tray subtotal key		Condiment next key
	Return key		Time-in key
	Remote printer send key		Time-out key
	Employee code entry key		Break key
	Employee charge key		Drive-thru screen key
	Non-add code entry key		Edit tip key
	No-sale key	 ~ 	Message 1 thru 9 keys
	Manager code entry key	 ~ 	PLU menu 1 thru 50 keys
	Tare entry key		

# Display

This POS terminal is provided with an LCD operator display.

## ■ Operator display

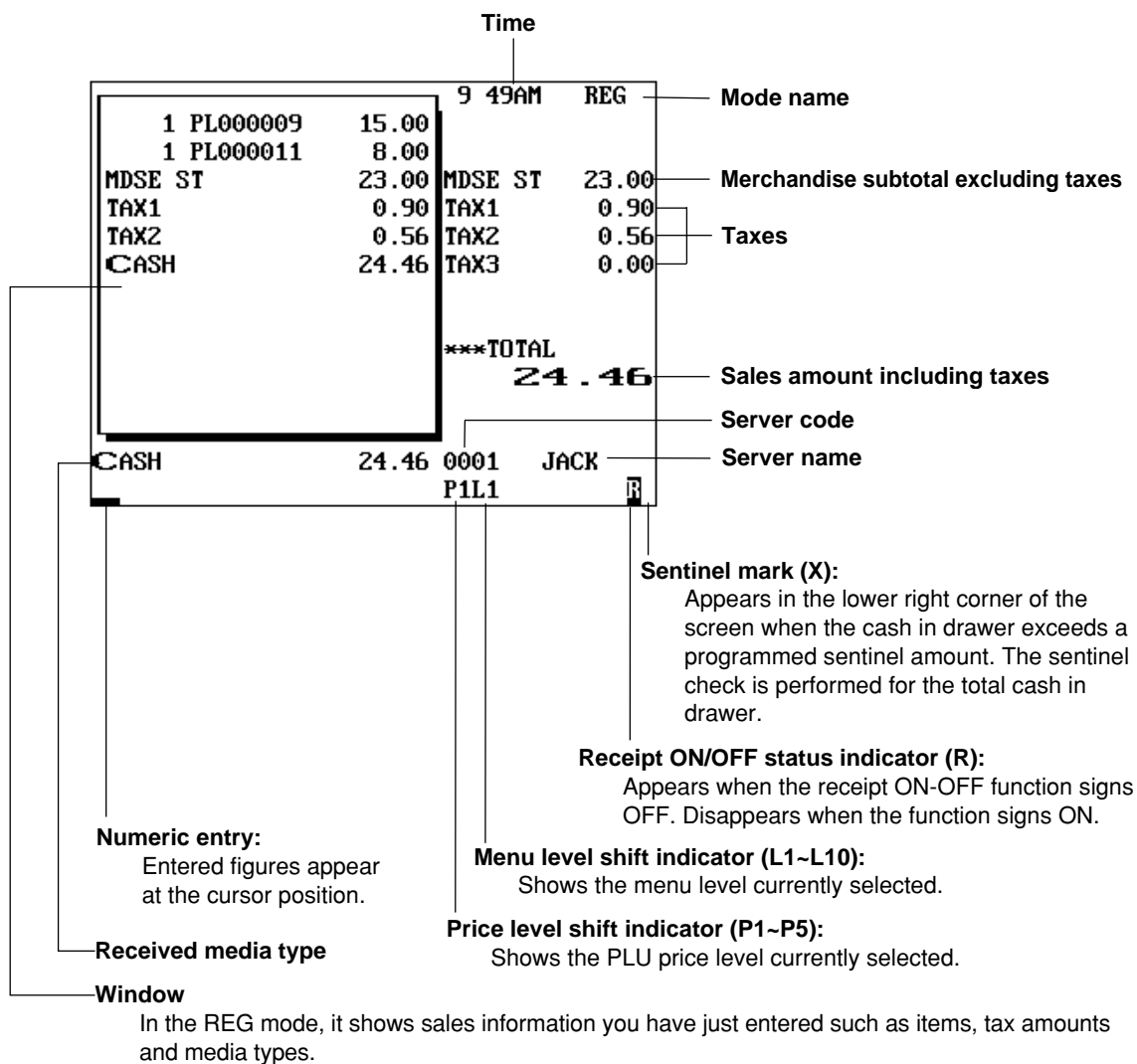


The display can be tilted to the best viewing angle.

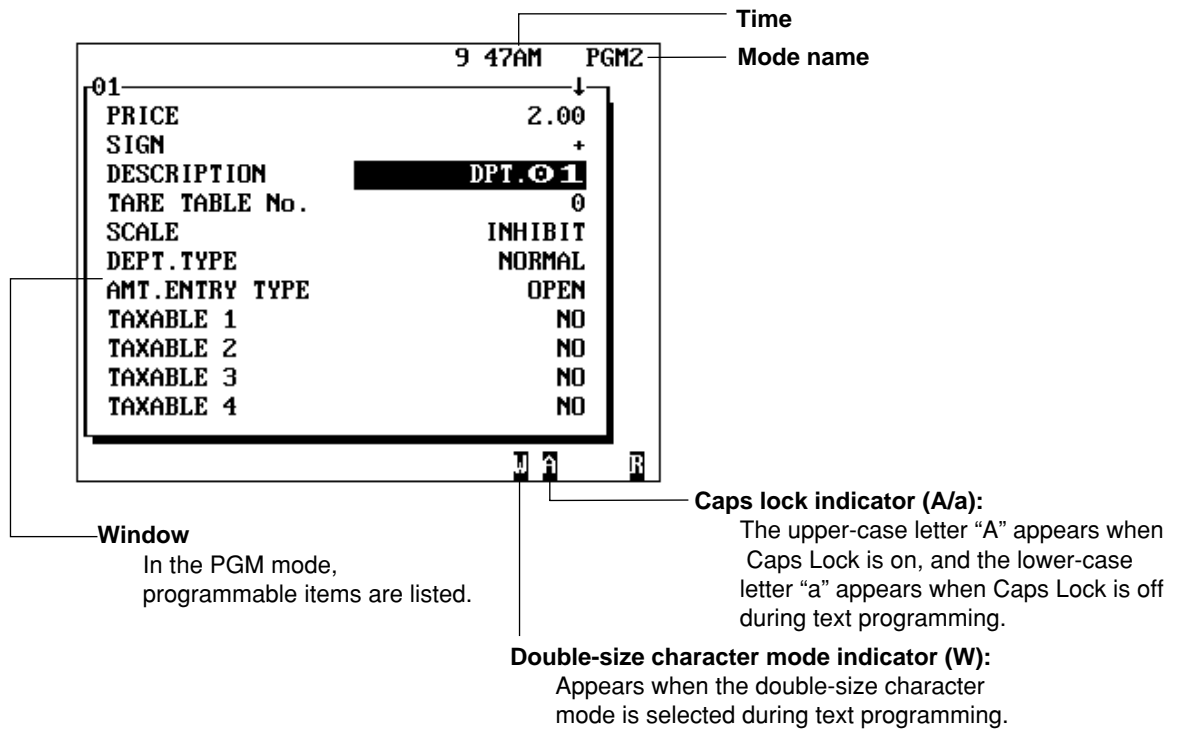
### NOTE

*Do not try to force the display beyond its full opened position.*

### • Screen example 1 (REG mode)



• Screen example 2 (PGM2 mode)



## ■ Screen save mode

To save the electrical power or the display's life, your POS terminal is provided with the screen save function. This function can turn the LCD backlight off 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 (in which the backlight is "ON") before it goes into the screen save mode. If the time has not been preset, the display backlight will turn off after 100 minutes.

To exit the screen save mode, press a key.

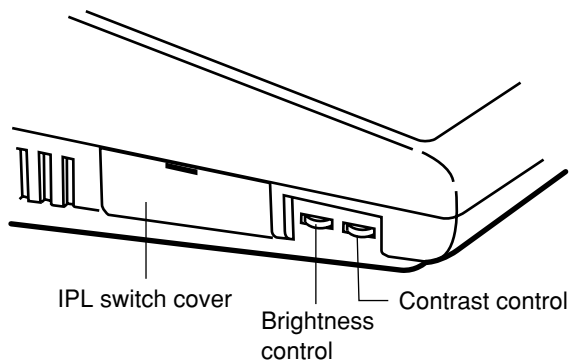
## 2

# Before Operating the POS Terminal

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

## Display Adjustment

You can adjust the brightness and contrast of the display by using the corresponding controls.



## Connecting the Printer and Installing the Paper Rolls

This POS terminal may be configured with multiple types of printers offered in the market. For specific instructions related to the handling and care of the printer, please refer to the applicable printer instruction manual.

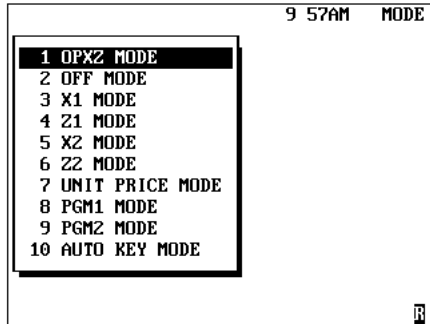


# 3

## Selecting an Operating Mode

The POS terminal will display the following listing by pressing the **MODE** key.

### Mode selection window



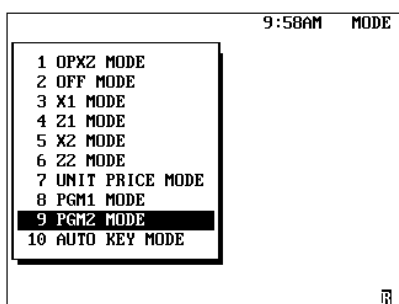
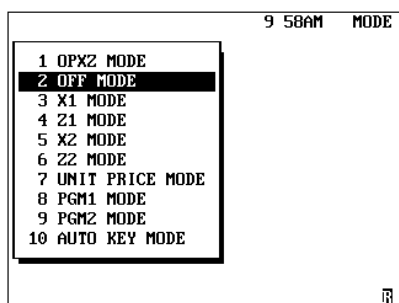
## Operating Modes

You can select any mode other than REG from the list in the mode selection window. Your POS terminal supports the following 11 operating modes:

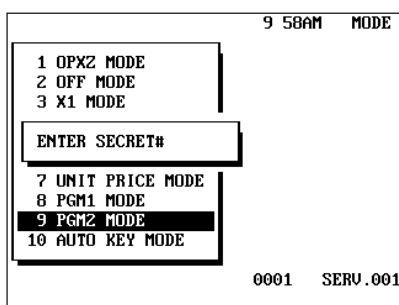
REG mode	This mode allows you to enter various sales information. The mode selection window does not list this mode. To select this mode from the mode selection window, press the <b>CANCEL</b> key.
OPXZ mode	This mode allows servers to take X or Z reports on their sales information. It can also be used for the employee time function and GLU table assignments.
OFF mode	This mode temporarily locks all operations of the POS terminal. When you select this mode, the backlight of the LCD is turned off. Pressing any key turns the POS terminal on or prompts for a secret code if it has been preset.
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).
UNIT PRICE mode	This mode allows you to program unit price of PLUs.
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.
AUTO KEY mode	This mode allows you to program automatic sequencing keys.

# Mode Selection

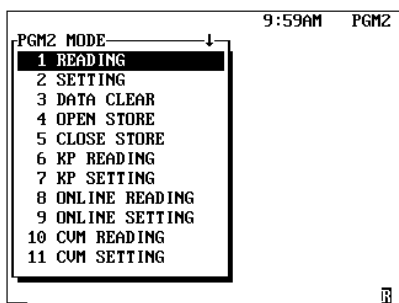
## Procedure



## Procedure



## Procedure



## Selecting a mode

1. Use one of the following two ways:
  - Move the cursor to a desired option by using the or key.
  - Enter the desired option number by using the numeric keys.
2. Press the key.

### NOTE

To exit and return to the REG mode, simply press the key.

## Entering a secret code

When a secret code has been set for the selected mode, enter the secret code and press the key.

## Returning to the mode selection window

To return to the mode selection window, use the following procedure:

1. Press the or key with the menu screen of the selected mode displayed.
  - You will enter the REG mode.
2. Press the key.
  - You will return to the mode selection window.

# 4

## Time Display and Automatic Updating of the Date

### Time display

The screen always displays the time at the top (next to the mode indicator) as shown below.

		Time	
		9 51AM	REG
***PBAL	0.00	TBL#1000	
COVER CT	1	COVER 1	
1 PL000003	1.75	MDSE ST	2.75
1 PL000002	1.00	TAX1	0.11
BAL FWD	2.75	TAX2	0.07
MDSE ST	2.75	TAX3	0.00
TAX1	0.11		
TAX2	0.07		
CASH	2.93	***TOTAL	
BALANCE	0.00		2.93
---CHECK CLOSED	9:50AM		
CASH	2.93	0001	JACK
		P1L1	

### Automatic updating of the date

Once the internal clock unit is started at the correct time, it continues to run as long as the battery pack is charged and will also update the date properly.

# 5 Prior to Entries

REG MODE

## Preparations for Entries

1. Select the REG mode from the mode selection menu by pressing the **CANCEL** key.
2. Insure 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 pressing the **CL** key and take the proper action to remedy the problem.

- When you exceed a 32-digit number (entry limit overflow):  
Cancel the entry and re-enter a correct number.
- 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, it can be rung up in the MGR mode.  
Contact your manager.
- When an including-tax subtotal exceeds eight digits:  
Clear the error display by pressing the **CL** key and press a media key to finalize the transaction.

## Sample Receipt

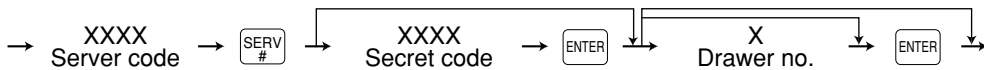
The print format will vary depending on the printer you use.

YOUR RECEIPT THANK YOU		
Date	<b>08/27/2000</b>	<b>123456</b> Machine no.
Consecutive no.	<b>#1054</b>	<b>10:22AM</b> Server name/server code
		<b>JACK0001</b> Time
Item entry	<b>PL000011</b>	<b>\$8.00</b>
	<b>PL000009</b>	<b>\$5.30</b>
	<b>MDSE ST</b>	<b>\$13.30</b>
	<b>GRATUITY</b>	<b>\$1.33</b>
	<b>TAX1</b>	<b>\$0.88</b>
	<b>***TOTAL</b>	<b>\$15.51</b> Sales total
	<b>CASH</b>	<b>\$20.00</b> Cash amount tendered
	<b>CHANGE</b>	<b>\$4.49</b> Change due

## Server Code Entries

Prior to an item entry, the server will be compelled to enter his or her assigned server code. However, this may not be necessary when the POS terminal has been programmed for “stay-down server mode.”

### Procedure



### NOTE

- When the server entry system is programmed for “stay-down server mode,” no other server can sign on unless the server who has signed on is signed off.
- When the server entry system is programmed for “automatic server sign-off mode,” any other server is able to sign on even when some servers have signed on without making entries. At this time the current server is automatically signed off.

The sign-off operation can be performed by using the following procedure in the REG or MGR mode.

To sign off a server: → **SERV #**

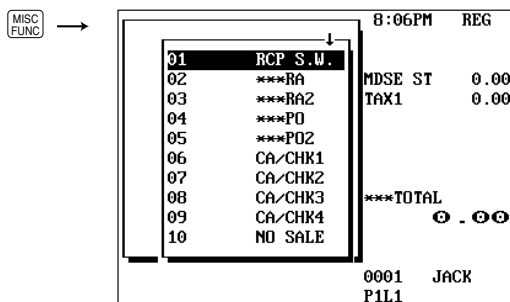
- If the item entry is made when the server have been signed off, the server entry pad will be opened in the window and the server entry will be compelled.

## Item Selection from the Function Menu Windows

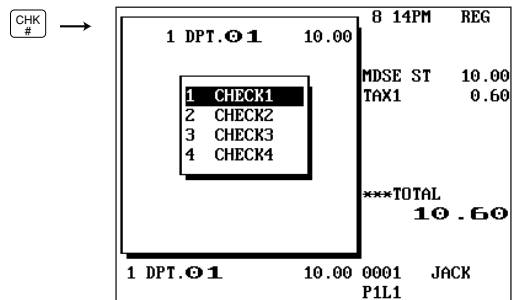
Your POS terminal allows you to select functions from a specified function menu windows. For example, if you want to enter an item for check 1 sale, select the option “CHECK1” from the “CHECK” Menu instead of pressing the **CHK 1** key.

Each menu can be opened as follows:

### • Miscellaneous menu window



### • Check menu window



• Charge menu window

CH # →

1 DPT. 01	10.00	8:15PM	REG
1 CHARGE1		MDSE ST	10.00
2 CHARGE2		TAX1	0.60
3 CHARGE3			
4 CHARGE4			
5 CHARGE5			
6 CHARGE6		***TOTAL	10.60
7 CHARGE7			
8 CHARGE8			
1 DPT. 01	10.00	0001	JACK
		P1L1	

• Conversion menu window

CONV # →

1 DPT. 01	10.00	8:16PM	REG
1 CONV 1		MDSE ST	10.00
2 CONV 2		TAX1	0.60
3 CONV 3			
4 CONV 4			
		***TOTAL	10.60
1 DPT. 01	10.00	0001	JACK
		P1L1	

**Example**

Selling a PLU no.1 item and finalize through check 1

1 PL000001	2.50	10 06PM	REG
		MDSE ST	2.50
		TAX1	0.15
		***TOTAL	2.65
1 PL000001	2.50	0001	JACK
		P1L1	

1. Press the  key.

1 PL000001	2.50	10 08PM	REG
1 CHECK1		MDSE ST	2.50
2 CHECK2		TAX1	0.15
3 CHECK3			
4 CHECK4			
		***TOTAL	2.65
1 PL000001	2.50	0001	JACK
		P1L1	

2. Press the  key.

• The CHECK menu window will appear.

3. Select "CHECK1."

4. Enter the amount.

# Item Entries

## ■ Single item entries

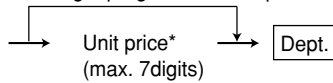
### Department entries

Enter a unit price and press a department key.

If you use a programmed unit price, press a department key only.

#### Procedure

When using a programmed unit price



\*Less than the programmed upper limit amount

#### NOTE

*When those departments for which the unit price has been programmed as zero (0) are entered with the preset unit price, only the sales quantity is added.*

### Direct PLU entries (PLU entries)

Follow this procedure:

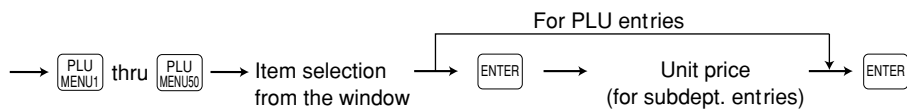
#### Procedure

→ Direct PLU

### PLU menu-based entries (PLU entries and subdepartment entries)

Follow this procedure:

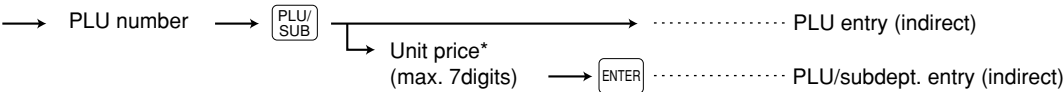
#### Procedure



**PLU number entries (PLU entries and subdepartment entries)**

Follow this procedure:

**Procedure**



\*Less than the programmed upper limit amount

**NOTE**

When those PLUs for which the unit price has been programmed as zero (0) are entered, only the sales quantity is added.

**Repeat entries**

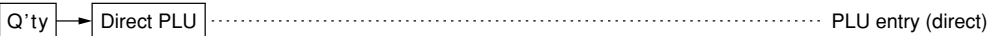
You can use this function for repetitive entries of the same items.

**Multiplication entries**

Use this feature when you need to enter two or more of the same items.  
This feature helps you when you sell a large quantity of items or need to enter quantities that contain decimals.

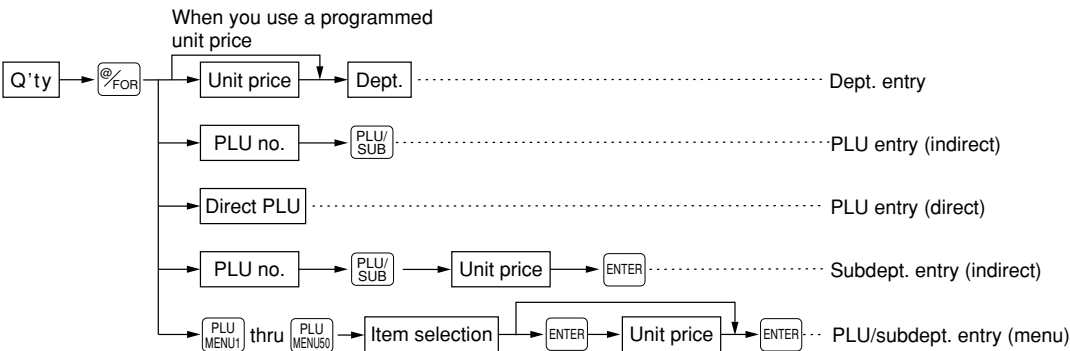
**Procedure**

**FF method (for quick multiplication of direct PLUs)**



- The FF (fast food) method cannot be used for a COUPON-LIKE PLU entry.

**Normal method**



- Q'ty: Up to four-digit integer + three-digit decimal
- Unit price: Less than a programmed upper limit
- Q'ty x unit price: Up to seven digits



## ■ Box sale entries

This function is used to enter items in “Multiplies-per-box.” This function is realized by using the presetting of base quantity.

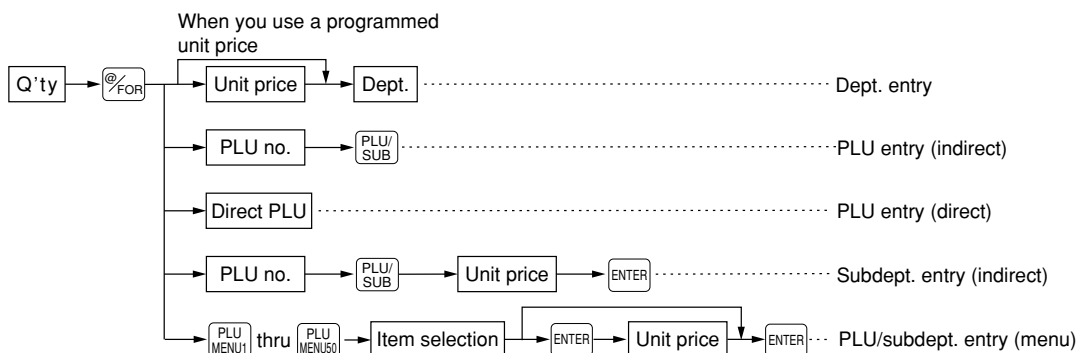
### Procedure

#### FF method (for speedy entries in the fast food restaurants)

Q'ty → Direct PLU ..... PLU entry (direct)

- The FF method cannot be used for a COUPON-LIKE PLU entry.

#### Normal method



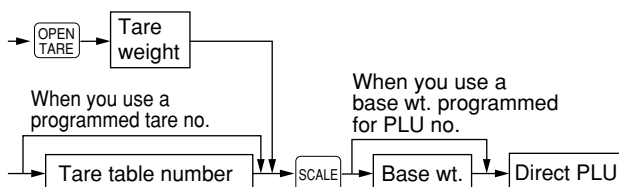
- Selling quantity: Up to four-digit integer + three-digit decimal
- Base quantity: (Programmed)

## ■ Scale entries

This function is used to sell items by weight, and there are two types of weight entry system available; auto scale entries and manual scale entries. Auto scale entries is used for normal sale, in which system, the weight is read automatically from the connected scale (option) and appears in the POS terminal display. Manual scale entries is only used for refund entries for scale registration. To use this function, contact your authorized SHARP dealer.

### Auto scale entries

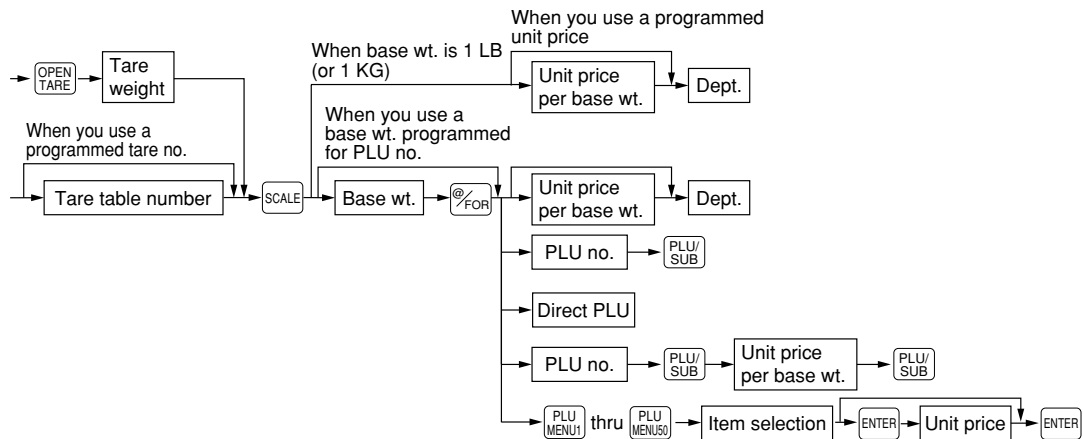
#### Procedure



#### NOTE

Depression of the key is not required when the PLU has preset for SCALE “compulsory”.

## Normal method

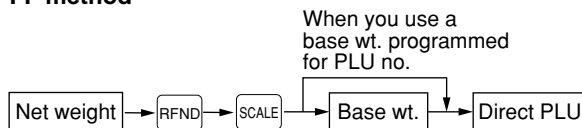


- Tare weight: Up to 5 digits (integer + decimal)
- Net weight: Up to 5 digits (integer + decimal)
- Base weight: Up to 2 digits (integer)
- Tare number: 1 to 9

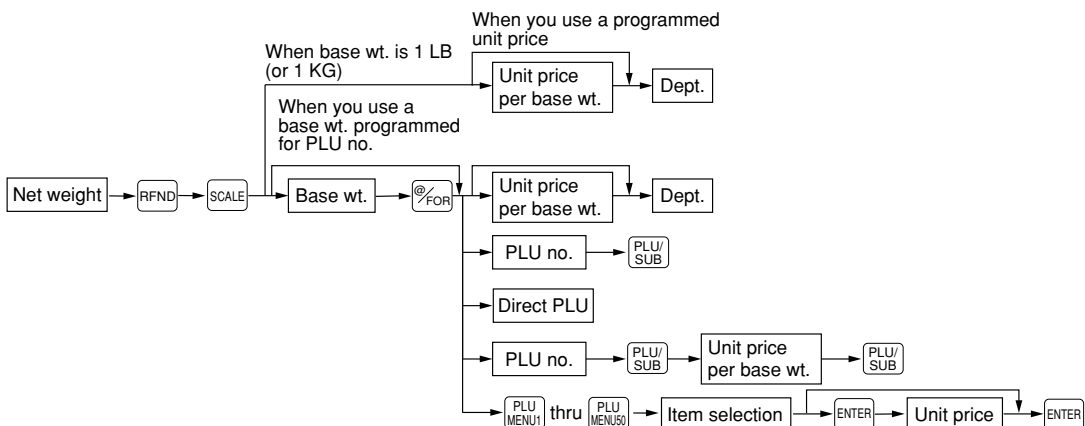
## Manual scale entries

### Procedure

### FF method



### Normal method



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

### NOTE

The net weight is automatically calculated using the programmed tare number.  
The scale platter must be empty and at a zero weight.

**NOTE**

- The POS terminal can be programmed with up to nine tare tables and allows different tares to be assigned to them.
- When the **SCALE** key is pressed, the net weight is automatically read from the connected scale (option) and appears in the POS terminal display.
- When the PLU is programmed for "Compulsory scale entry," it is not necessary to press the **SCALE** key.
- To issue a receipt which shows only a tare weight, press **OPEN TARE**, enter a tare weight, then press **SCALE** and **CA/AT**.

## Special Entries for PLUs

### ■ Mix-and-match function

This function is convenient for matching several PLU items and selling them in a lump (e.g. bundle sale, multi-packed sale, etc.). The base q'ty and unit price are assigned to a mix-and-match table. All items that are programmed into the same table are treated as if they belong to one group.

### ■ Link PLU entries

Operation is the same as that for normal PLU entries. When a link PLU 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 shift keys (**TAX1 SHIFT**, **TAX2 SHIFT**, **TAX3 SHIFT** and **TAX4 SHIFT** keys). The percent calculation is eligible only for the amount of the 1st-ranking PLU.

### ■ Combo meal entries



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 that is registered.

**NOTE**

When combo meal is registered, q'ty totalizer of the combo key and amount totalizer of each PLU are updated.

## ■ PLU level shift (for direct PLUs)

This shift can add to 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  thru . 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\* or lock shift mode\*\* — and decide whether to allow PLU level shift in both the REG and MGR modes or in the MGR mode only.

\* The automatic return mode automatically shifts the PLU level back to the level programmed after pressing a direct PLU key or finalizing each transaction.

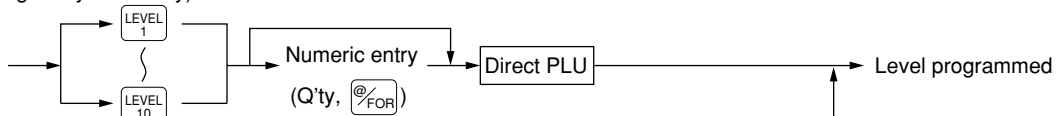
\*\* The lock shift mode holds the current PLU level until a PLU level shift key is pressed.

### Automatic return mode (for PLU levels)

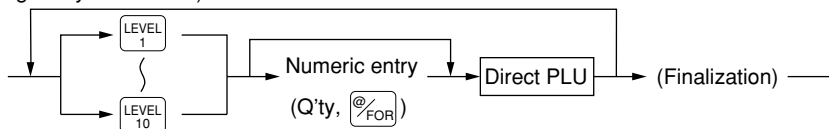
If your terminal has been programmed for PLU level in the automatic return mode, press a desired PLU level shift key before a numeric entry.

#### Procedure


(Returning every item entry)



(Returning every transaction)



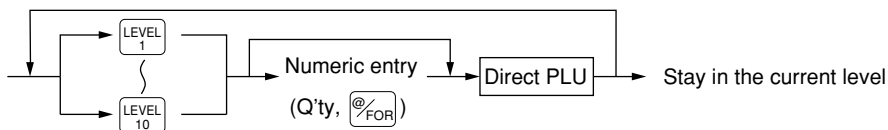
#### NOTE

When you use the FF method, you need not press the  key on numeric entry.


### Lock shift mode (for PLU levels)

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

#### Procedure



#### NOTE

• When you use the FF method, you need not press the  key for multiplication entries.

## ■ PLU price level shift

### NOTE

To use this function, please contact your authorized SHARP dealer.

Five different price levels can be programmed for each PLU.

The price levels can be changed for PLU registrations.

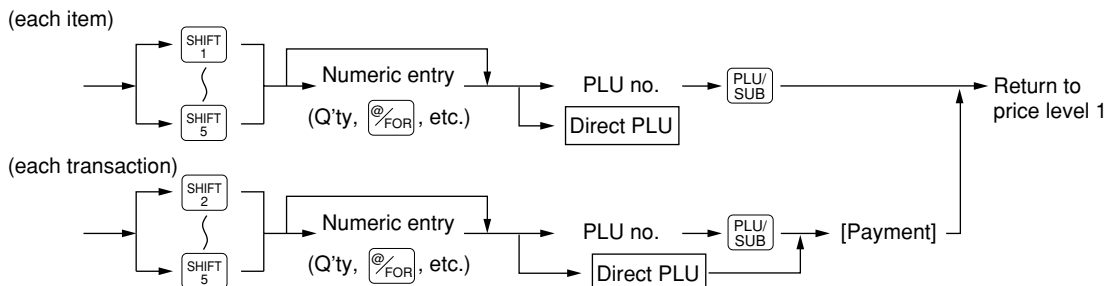
These keys have the following functions:

- SHIFT 1** : Shifts the PLU price level from level 2, 3, 4, or 5 to level 1 (base level).
- SHIFT 2** : Shifts the PLU price level from level 1, 3, 4, or 5 to level 2. When you press this key, the price level shift indicator will turn to "P2."
- SHIFT 3** : Shifts the PLU price level from level 1, 2, 4, or 5 to level 3. When you press this key, the price level shift indicator will turn to "P3."
- SHIFT 4** : Shifts the PLU price level from level 1, 2, 3 or 5 to level 4. When you press this key, the price level shift indicator will turn to "P4."
- SHIFT 5** : Shifts the PLU price level from level 1, 2, 3 or 4 to level 5. When you press this key, the price level shift indicator will turn to "P5."
- \* The automatic return mode automatically shifts the PLU price level back to level 1 after a PLU entry. You can select whether the PLU price level should return each time you enter one item or each time you finalize one transaction.
- \*\* The lock shift mode holds the current PLU price level until pressing a price level shift key.

### Automatic return mode (for price shifts)

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

### Procedure



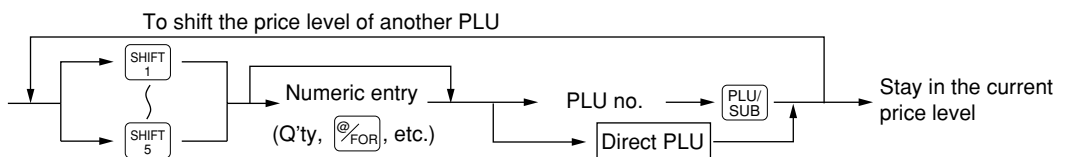
### NOTE

When you use the FF method, you need not press the **@/FOR** key on numeric entry.

### Lock shift mode (for price shifts)

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

### Procedure




### NOTE

- If you select the automatic return mode, it is not necessary to use the **SHIFT 1** key on the keyboard. If you select the lock shift mode, it is necessary to use the **SHIFT 1** key.
- When you use the FF method, you need not press the **@/FOR** key on numeric entry.

## ■ Condiment entries

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

### Example:




When you enter a menu-item PLU, a prompting message such as "HOWCOOK?" and a list of the "Following PLUs" will appear. You must specify one of the "Following PLUs" such as "without mustard" to meet a special order of the guest. In an example of the condiment table shown below, it is assumed that the 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. Then press the  key to end this entry.

Here is an example of how to perform a condiment entry when your condiment table is as shown below.


Table number	PLU numbers for condiment entry (programmed text, price)				Next table no.
1	22 (HOWCOOK? 0.00)	23 (RARE 0.00)	25 (MED.RARE 0.00)	27 (WELLDONE 0.00)	4
4	31 (POTATO? 0.00)	33 (P. CHIPS 0.60)	37 (MASHED.P 0.60)	38 (BAKED.P 0.50)	_____




Menu-item PLUs      First PLU      Following PLUs

### NOTE



- Your POS 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 REPEAT TIMES of the condiment table is programmed for example, of 2 thru 9, its table shows repeatedly until accomplishment of a programmed times, then the next table will show.
- When the  key is pressed, the entry skips to the next table which is programmed.
- When the  key is pressed, its condiment entry is canceled in the programmed mode (REG/MGR or MGR).
- When you enter a PLU priced at "0.00," only the text will be printed on the receipt.
- No multiplication entry is possible for condiment entries.
- No refund entry is possible for condiment entries. When you perform a refund entry with a menu-item PLU, the "First PLU" and the "Following PLUs" assigned to the menu-item PLU are automatically registered as a refund entry.
- You may omit the compulsory condiment entry by pressing the  key. (Please consult your dealer for more details.)
- The cursor void entry is allowed for those PLUs that are entered as condiments (menu and condiment).

## ■ Repeat round entries

This function can be used for reorder entries for PLU items (single PLU item and condiment PLU) simply by depressing the  key. To use this function, PLU must be preset as "yes" for repeat entries.

At the first depression of the  key, those items that were previously registered in a transaction are subjected for reordered items, and at the second depression of the  key, those items that are registered after previous depression of the  including the items of first reordered items.


### NOTE

When the  key is pressed just after the depression of the  key, all items subjected to repeat round entries are voided.

# Display of Subtotals

Your POS terminal provides these five types of subtotals:



## ■ Merchandise subtotal

Press the  key at any point during a transaction.



The net sales subtotal - not including tax - and the symbol "MDSE ST" will appear in the display.

## ■ Taxable subtotal



Taxable 1 subtotal

Press the  and  keys in this order at any point during a transaction. The sales subtotal of taxable 1 items will appear in the window and the caption "TAX1" and the tax 1 amount will appear in the outside of the window.



Taxable 2 subtotal

Press the  and  keys in this order at any point during a transaction. The sales subtotal of taxable 2 items will appear in the window and the caption "TAX2" and the tax 2 amount will appear in the outside of the window.


Taxable 3 subtotal

Press the  and  keys in this order at any point during a transaction. The sales subtotal of taxable 3 items will appear in the window and the caption "TAX3" and the tax 3 amount will appear in the outside of the window.

Taxable 4 subtotal

Press the  and  keys in this order at any point during a transaction. The sales subtotal of taxable 4 items will appear in the window and the caption "TAX4" and the tax 4 amount will appear in the outside of the window.

## ■ Including-tax subtotal (full subtotal)

Press the  key at any point during a transaction. The sales subtotal including tax and the symbol "SUBTOTAL" will appear in the display.

## ■ Tray subtotal


Press the  key during a transaction in the REG or MGR mode.

The contents of the tray total itemizer which include tax are printed and displayed.

## ■ Eat-in subtotal

Press an eat-in key prior to entering a payment. Your POS terminal will calculate a subtotal according to the programmed tax exemption status and display the subtotal, the symbol "EAT IN," and a corresponding caption ("EAT IN 1," "EAT IN 2," or "EAT IN 3").

For the transaction with the eat-in subtotal, you must finalize the transaction by making a payment entry.

Just after pressing the eat-in key, however, you can cancel the entry of that key by pressing the  key or another eat-in function key.

# Finalization of Transaction

## ■ Cash or Check tendering

Press the **SBTL** key to get the including-tax subtotal, enter the amount tendered by your customer, then press the **CA/AT** or **CA2** key if it is a cash tender or press the **CHK 1** thru **CHK 4** key if it is a check tender. When the amount tendered is greater than the amount of the sale, your POS terminal will show the change due amount and the symbol "CHANGE." Otherwise your POS terminal will show the symbol "DUE" and a deficit. To settle the deficit another tender amount exceed the amount due must be entered.

### NOTE

- You can also enter a check tender from the check menu window. Press the **CHK #** key and select the desired check media key and enter the amount.

## ■ Mixed tendering (check + cash)

Mixed tendering of check and cash is available. After pressing **SBTL** key, enter the amount tendered by your customer in check or cash, and press the corresponding key, then again enter the amount tendered in cash or check, and press the corresponding key.

## ■ Cash or check sale that does not need any tender entry

Enter items and press the **CA/AT** or **CA2** key if it is a cash sale or press the **CHK 1** thru **CHK 4** keys if it is a check sale. Your POS terminal will display the total sales amount.

## ■ Charge (credit) sale

Enter items and press the corresponding charge keys (**CH 1** thru **CH 8**).

### NOTE

- Amount tendering operations (i.e. change calculations) can be achieved by the **CH 1** thru **CH 8** key when PGM2-mode programming has been preset for amount tender compulsory.
- When charge tendering is performed with CAT compulsory, the corresponding card authorization sequence is initiated.
- You can also enter a charge tender from the charge menu window. Press the **CH #** key and select the desired charge media key and enter the amount.

## ■ Mixed-tender sale (cash or check tendering + charge tendering)

In case of mixed tendering of cash and charge tendering, press the **SBTL** key to get an including-tax subtotal, enter the amount tendered in cash by your customer, and press the **CA/AT** or **CA2** key. Then press a pertinent charge key to settle the payment of a deficit.

In case of mixed tendering of check and charge tendering, press the **CHK 1** thru **CHK 4** keys in place of the **CA/AT** or **CA2** key.




# 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 press the  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 pressing the corresponding TAX SHIFT key followed by the subtotal, then the  key after the subtotal is displayed.

### NOTE

*If any of the media keys (i.e. cash, check 1 thru check 4, or charge 1 thru charge 8) is programmed for tax delete in the PGM2 mode, the tax can be deleted without using the procedures above. In this case pressing 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 pressing the , ,  and/or  keys before those keys are pressed. 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 (Table/PBLU)

Two different guest check entry systems are available: the table system and previous balance lookup (PBLU) system. It depends on how your POS terminal has been programmed which of these is used. (Contact your authorized SHARP dealer for this selection.)

**Table system:** If this system is selected, the balance due and the details of the order are placed in the table# check file. The information can be automatically recalled by pressing the **GLU RECALL** key, or entering a table# when additional ordering or finalization is required.

**PBLU system:** If this system is selected, the previous balance is stored in the previous balance lookup file (PB lookup file). The information can be automatically recalled by entering a previous balance lookup code (a PBLU code) when additional ordering occurs.

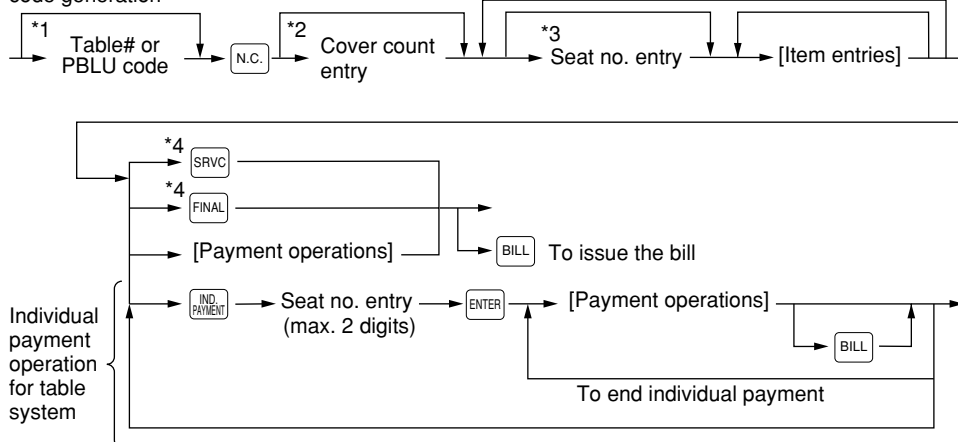
## ■ Table/PBLU system

### New guest

For a new guest;

### Procedure

For automatic table#/PBLU code generation



### NOTE

- The table #/PBLU code refers to a number/code that will be used whenever the guest check must be accessed for re-ordering or final payment.  
The range of table # or PBLU codes that can be entered in each terminal can be programmed, and also can be specified in OP X/Z mode for each server.
- Your POS terminal can be programmed for table #/PBLU codes in a sequential fashion. If your POS terminal has not been programmed to do so, each table #/PBLU code can be entered manually.
  - \*1 Table #/PBLU code: 1 to 9999999  
When the range of table # or PBLU codes is programmed in PGM2 mode and/or specified in OP X/Z mode, the table # that can be entered is limited to the range.
  - \*2 The cover count refers to the number of people in the party. When the cover count entry is compulsory, you must enter the cover count (max.2 digits). When cover count is not compulsory, enter the cover count and press the **COVER CNT** key, however, it is automatically calculated by the number of times the **SEAT #** key is pressed in table system. (When the cover count is not entered and the **SEAT #** key is not pressed, the cover count is counted as 1.)
  - \*3 Seat # entry is only for the table system.  
When the seat # entry is compulsory, you must enter a seat #. To enter the first person #, enter the seat # (max. 2 digits) and press the **ENTER** key. To enter the second person# or later, enter the number and press the **SEAT #** key.  
The number of times of the seat # entry must not exceed the previously entered cover count when it entered.

\*4 These are the optional functions (Temporary finalization).

You can temporarily finalize a guest check by pressing 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 addition orders to it.

### Table # recall

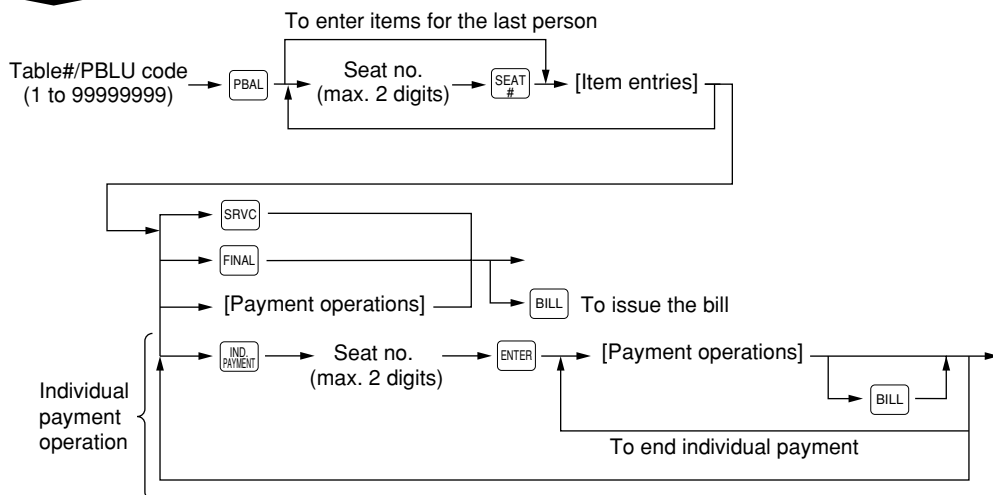
Each server can recall his or her table #'s for reorder entry or settlement by pressing the **GLU RECALL** key. On the display, the list of table # that are still open are displayed. Then select the desired table # and press the **ENTER** key, or enter the desired table # and press the **PBAL** key while the recall window is shown on the display.

When programmed, the recall window will be displayed automatically.

2:03PM REG			
TBL#	COVER	AMT	SU. TIME
#1	2	11.00	38:43
#2	3	27.25	18:28
0002 JIM			
P111			

An example of table # recall window

### Procedure



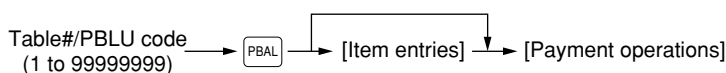
### NOTE

In case of reorder entry, "\*\*\*\*\*REORDER\*\*\*\*\*" can be printed in red at the beginning of receipt of remote printer, when programmed.

### Settlement

Use the following procedure:

### Procedure



### 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 CH8 for the charge tip and CASH 1 or CASH 2 for the cash tip.

## ■ Drive-through function

A second table/PBLU function can be used as the drive-through function. This system looks up drive-through codes automatically (First In/First Out).

This drive-through system provides three types of POS terminal functions (Order taker, cashier station and counter).

### Drive-through screen

The drive-through screen can be displayed by pressing the **D-THRU** key or by finalizing the drive-through registration, or may be displayed as the default screen based on programming.

When a new transaction is started, the screen is changed to the ordinary screen from the drive-through screen.

The screenshot shows a POS terminal screen with the following layout:

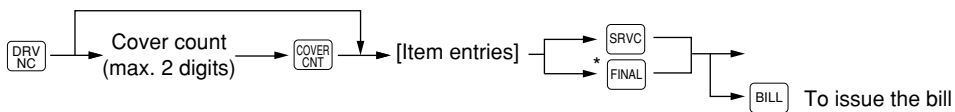
- Top status bar: "PAGE 1" on the left, "2:07PM" in the center, and "REG" on the right.
- Main display area is divided into two columns. The left column contains:
  - "CAR#2" in large bold text.
  - "1 CHIKEN" below it.
  - "1 SALAD" below that.
- The right column is empty.
- Bottom status bar: "(00:56)" in the center.

An example of drive-through screen

### New car

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

#### Procedure



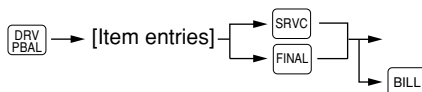
\* This is the optional function (temporary finalization).

You can temporarily finalize a guest check by pressing 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-through entries, use the following procedure:

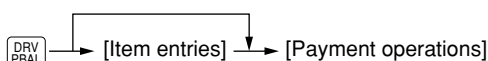
#### Procedure



### Settlement

Use the following procedure:

#### Procedure

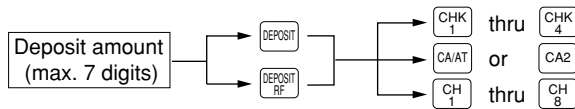


## ■ Deposit entries

Deposit refers to a prepayment on a guest check. It can be received in cash check or charge tenders. 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 pressing the  key. You cannot attempt to refund an amount larger than the deposit balance.

### Procedure

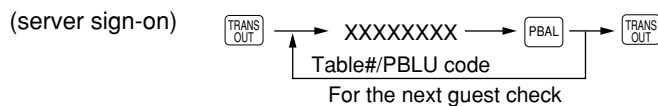


## ■ Transferring guest checks out or in (Transfer-in/out)

### Transferring guest checks out

At the end of a server shift or whenever a server is relieved, one or more open guest checks can be transferred from the server to the open check file until the responsibility for the check(s) is assigned to another server.

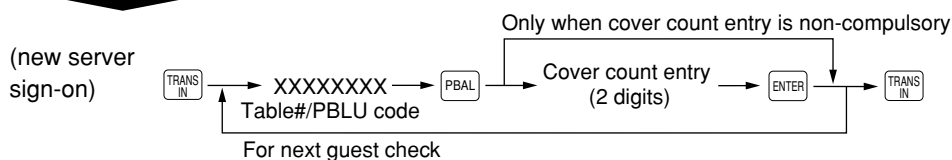
### Procedure



### Transferring guest checks in

When the second server is assigned to be responsible for guest checks that have been transferred out:

### Procedure

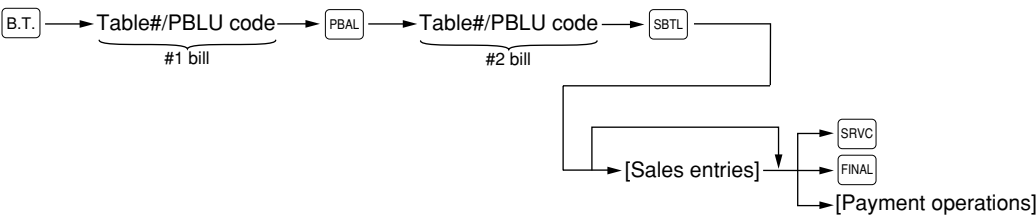


# ■ Bill totalizing/bill transfer

## Bill totalizing

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

### Procedure



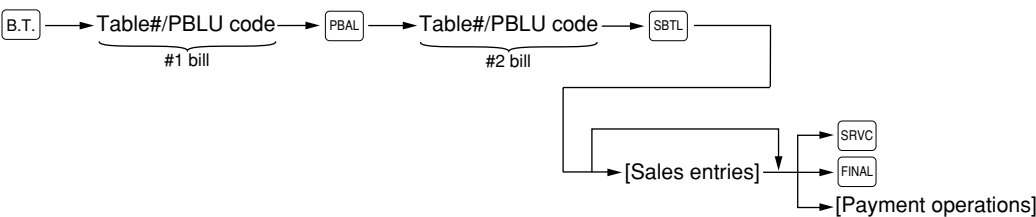
### NOTE

- All #1 bills are added to a #2 bill. A maximum of 5 bills may be added to a #2 bill.
- The Table#/PBLU code of #1 must be in use. If the guest check(s) of #1 or #2 has already been handled by another server, the guest check(s) must have been made "Transferring out."
- After the bill totalizing operation, the individual payment function is not allowed.

## Bill transfer

This function is used to change the Table#/PBLU code of a particular bill.

### Procedure



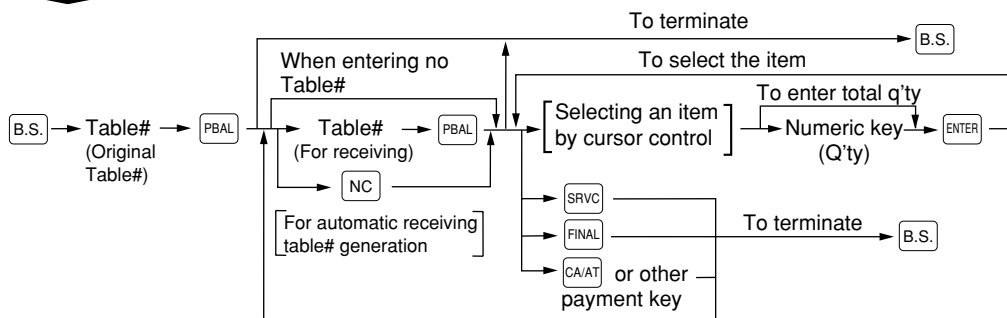
### NOTE

- This function requires that the current Table#/PBLU code be entered for #1 and a new Table#/PBLU code be entered for #2.
- A #1 bill is transferred to a #2 bill. The #1 bill is then cleared and set free.

## ■ Bill separating

The function is used when each guest of a group pays his or her own order. With this function, you can select some items from a guest check and make an entry for the payment. Also, you can transfer the items you have selected to other guest checks. This function is available only in the Table system.

### Procedure



### NOTE

- If the receiving Table# is not entered during the bill separating operation, it is considered that the payment function has been made by pressing CA/AT key or other payment key.
- If a particular receiving Table# is already in use, a lock error occurs when that number is entered.
- You cannot specify the quantity of an item for selection when the stored quantity has a decimal fraction.

# Auxiliary Entries

## ■ Percent calculations (premium or discount)

- Your POS terminal provides percent calculations for a merchandise subtotal or each item entry. You need to specify in advance for which of a merchandise subtotal or each item entry your POS terminal should perform a percent calculation.
- For percent calculations (premium, discount, merchandise subtotal or individual), you may use the **%1** thru **%9** key.
- Percentage: 0.01 to 100.00%

### NOTE

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

## ■ Discount entries

For discount or coupon tenderings, you may use the **⊖1** thru **⊖9** keys when it is allowed in programming. If the discount or tendered coupon is the one applicable to sales, use the vendor coupon; and if it is applicable to each item entry, use the store coupon.

### NOTE

*Discount entry can be overridden in MGR mode when it is not allowed in REG mode.*

### NOTE

- *For the vendor coupon entry:*  
The coupon entry will be allowed only when all PLUs which is associated to the (-) key have been entered.
- *For the store coupon entry:*  
The coupon entry will be allowed only for a PLU which is associated to the (-) key.

## ■ Refund entries

If a refunded item is to be entered into a department, enter the amount of the refund, then press the **RFND** key and a corresponding department key in this order; and if an item entered into a preset PLU is returned, enter a corresponding PLU number, then press the **RFND** and **PLU/SUB** keys, or press the **RFND** and direct PLU keys in this order without entering any PLU number.

If an refunded item is to be entered into an open PLU, enter a corresponding PLU number, press the **RFND** and **PLU/SUB** keys, then enter price and press the **ENTER**.

## ■ Return entries

If a returned item is the one entered into a department, enter the amount of the return, then press the **RTN** key and a corresponding department key in this order; and if an item entered into a preset PLU is returned, enter a corresponding PLU number, then press the **RTN** and **PLU/SUB** keys, or press the **RTN** and direct PLU keys in this order without entering any PLU number.

If an returned item is to be entered into an open PLU, enter a corresponding PLU number, press the **RTN** and **PLU/SUB** keys, then enter price and press the **ENTER**.

## ■ Printing of non-add code numbers

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



## ■ Remote 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.

### Procedure

Item entry →  → Data transfer to the remote printer

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.

## ■ Gratuity

### Calculation


When the payment operation is made for sales registrations, the gratuity amount is always calculated and printed.

You can program a percent rate for calculating the gratuity.

If the percent rate is programmed as 0%, the POS terminal does not print any gratuity.

You can program a tax status (taxable 1/taxable 2/taxable 3/taxable 4/non-taxable) for gratuity.

### Exemption

Your POS terminal allows you to exempt a customer from the gratuity by pressing the  key prior to a payment operation.

## Payment Treatment

## ■ Tip-in entries

Your POS terminal allows the entry of tips that your guests give to servers in cash or by credit card.

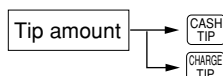
A tip entry must be done before a payment entry.

You must use the corresponding media key e.g. CH1 thru CH8 for the charge tip and CASH 1 or CASH 2 for the cash tip.

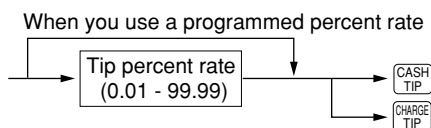
Two different tip-in entry systems are available: the tip amount entry system and the tip percent rate entry system. It depends on how your POS terminal has been programmed which of these systems is used.

### Procedure

Tip amount entry system:



Tip percent rate entry system:



## ■ Tip editing

This function is used for entering tip amounts after finalizing a guest check transaction. This function is available when the guest check transaction is finalized in charge tender, and also when the tip is paid in charge tender. The bill number which is issued when the **SRVC** or **FINAL** key is pressed in guest check entry must be used in order to identify the guest to edit or add tip amount. For the operation, press the **EDIT TIP** key. When the display prompt appears, enter the bill number and tip amount.

YOUR RECEIPT		
THANK YOU		
08/26/2000	123456	BILL#0019
#1026	1:24PM	JIM0002
TBL#1		
COVER CT	2	
***PBAL		\$0.00
CHIKEN		\$10.00
BAL FWD		\$10.00
SERVICE		\$10.00

Bill number

## ■ Tip paid entries

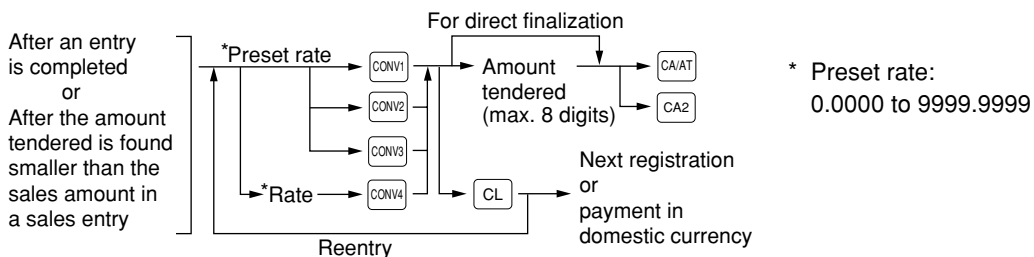
This operation is used when tips that guests have paid by using credit card are paid to respective servers in cash. To perform a tip paid entry, enter the server code, then press the **TIP PAID** key. You can prohibit the tip paid operation in the REG mode by the PGM2 programming.

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

## ■ Currency conversion

Your POS terminal allows payment entries in foreign currency. Pressing the **CONV1** thru **CONV4** keys creates a subtotal in foreign currency. Cash alone can be handled after currency conversion.

### Procedure



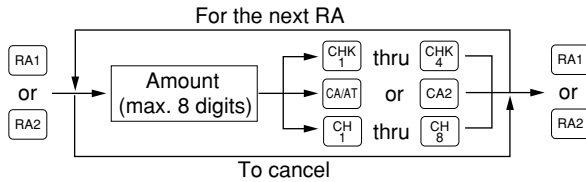
### NOTE

- When the amount tendered is short, its equivalent in deficit is shown in domestic currency.
- You can also enter a currency conversion tender from the conversion menu window. Press the **CONV** menu key and select a pertinent conversion number.
- Change amount will be displayed and printed in domestic currency.

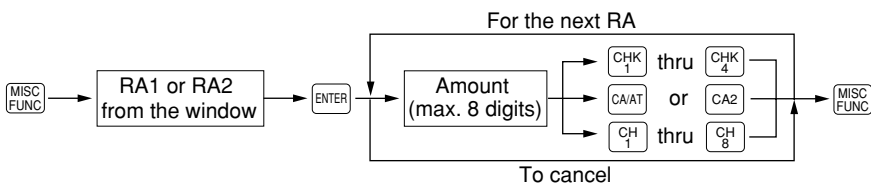
## ■ Received-on-account entries

### Procedure

#### Direct key entries



#### Menu-based entries

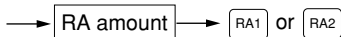


### NOTE

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



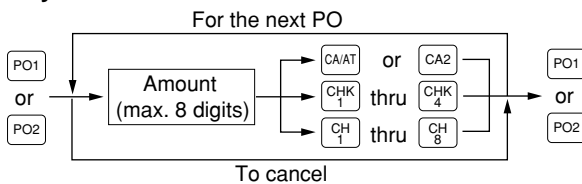
#### Menu-based entries



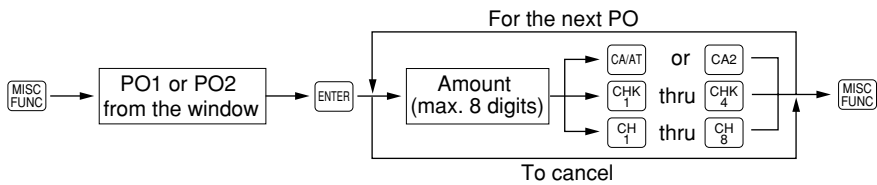
## ■ Paid-out entries

### Procedure

#### Direct key entries



Menu-based entries

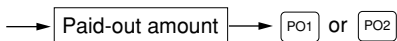


NOTE

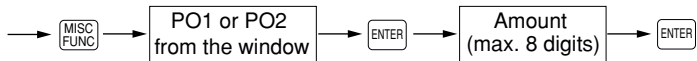
You may also choose the PO procedure instead of the above procedure only for cash payment. Contact your authorized SHARP dealer to change the procedure.

Procedure

Direct key entries



Menu-based entries



No-sale (exchange)

Simply press the **NS** key without any entry. The drawer will open and the printer will print a receipt indicating the “NO SALE.” If your POS terminal is programmed to allow a non-add code entry and you enter a non-add code number before pressing the **NS** key, a no-sale entry will be achieved with a non-add code number printed.

NOTE

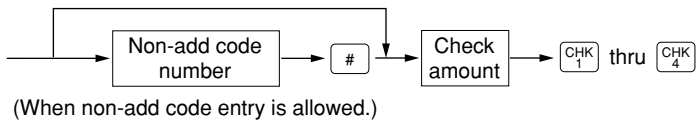
You can also enter “No-sale” from the miscellaneous menu window. Press the **MISC FUNC** key and select “10 NO SALE” from the window.

Cashing a check

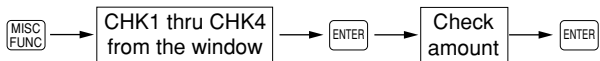
Enter the check amount, then press the **CHK 1** thru **CHK 4** keys.

Procedure

Direct key entries



Menu-based entries



# Employee Function

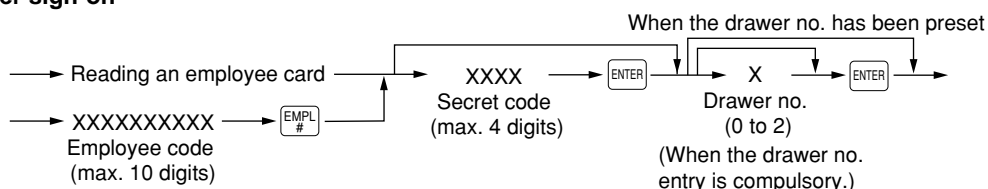
You can use the following functions by using employee codes:

## ■ Server/manager sign-on

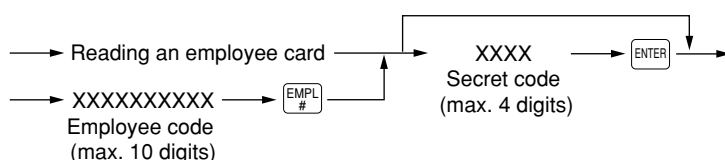
Servers or managers can be signed on by entering employee codes, or they can be signed on by using employee cards. To use an employee card, you need a magnetic card reader (MCR). Contact your authorized SHARP dealer.

Use the following procedures:

### • Server sign-on



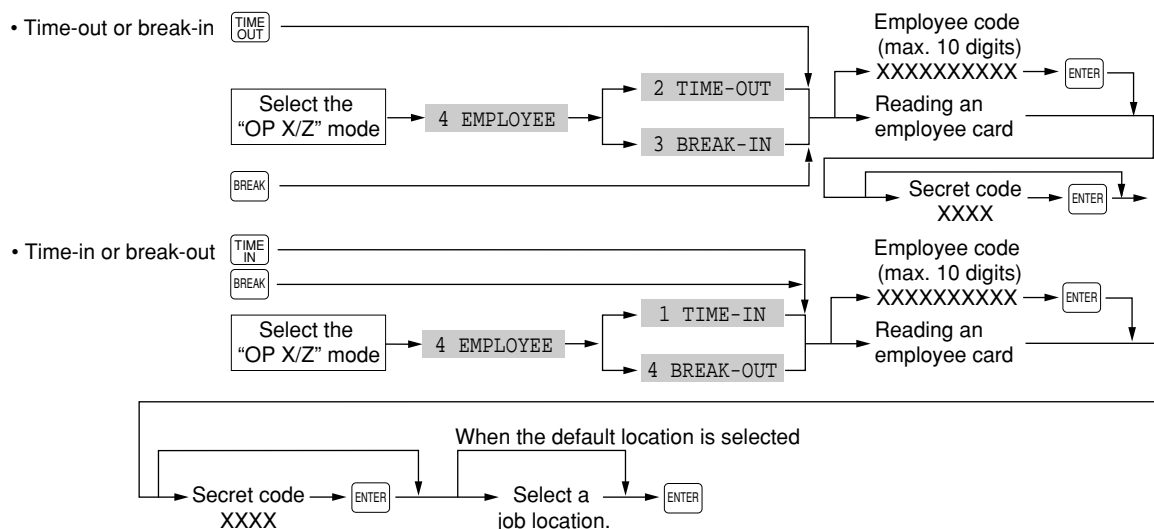
### • Manager sign-on





## ■ 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 and break-in/out operations

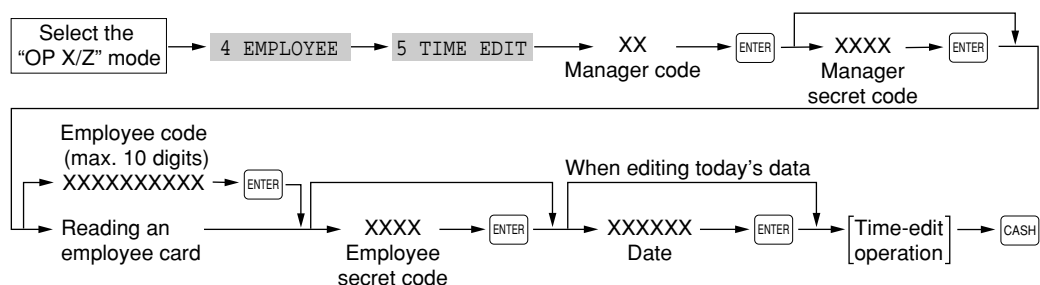


### NOTE

You can select a job location by using the  key (toggle) or list the possible locations for selection by using the  key.

## Time-edit operation

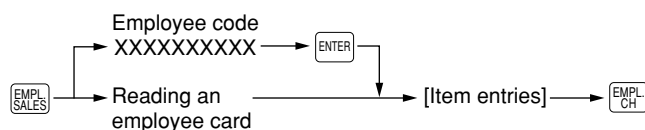
A manager can edit employee's time-in/out data to record his or her time correctly.



## Sales entry for employees

You can track employee purchases by this function. Use the following procedure:

To start the sales entry for employees:



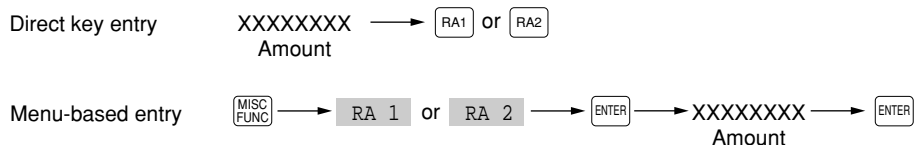
### NOTE

When the item is entered, the limitation check is executed (that the employee sales total is not over the programmed limit). The checking method is:

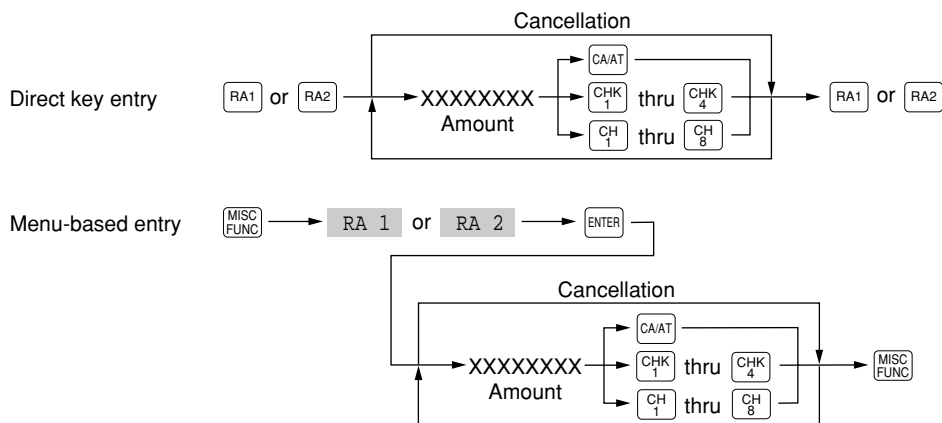
$[Programmed\ limit\ amount] \geq [Previous\ sales\ total] + [The\ merchandise\ subtotal\ of\ the\ current\ transaction]$

To pay for charge sales (After entering employee sale function and entering employee code):

• When the cash-only entry is selected:



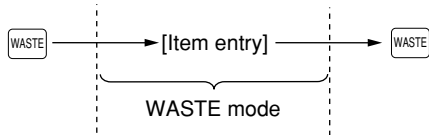
• When the mixed-media entry is selected:




# WASTE mode

This mode is used to throw away an article which has already been prepared and is no longer serviceable.

## Procedure



## NOTE

- *PLU entries are only allowed in the WASTE mode, and direct and indirect void operations are also allowed in this mode.*
- *When a WASTE-mode transaction is finalized, the drawer does not open.*
- *The consecutive number is incremented every WASTE-mode transaction.*
- *When the WASTE mode is activated by pressing the  key, the mode caption "WASTE" is displayed.*

# 7

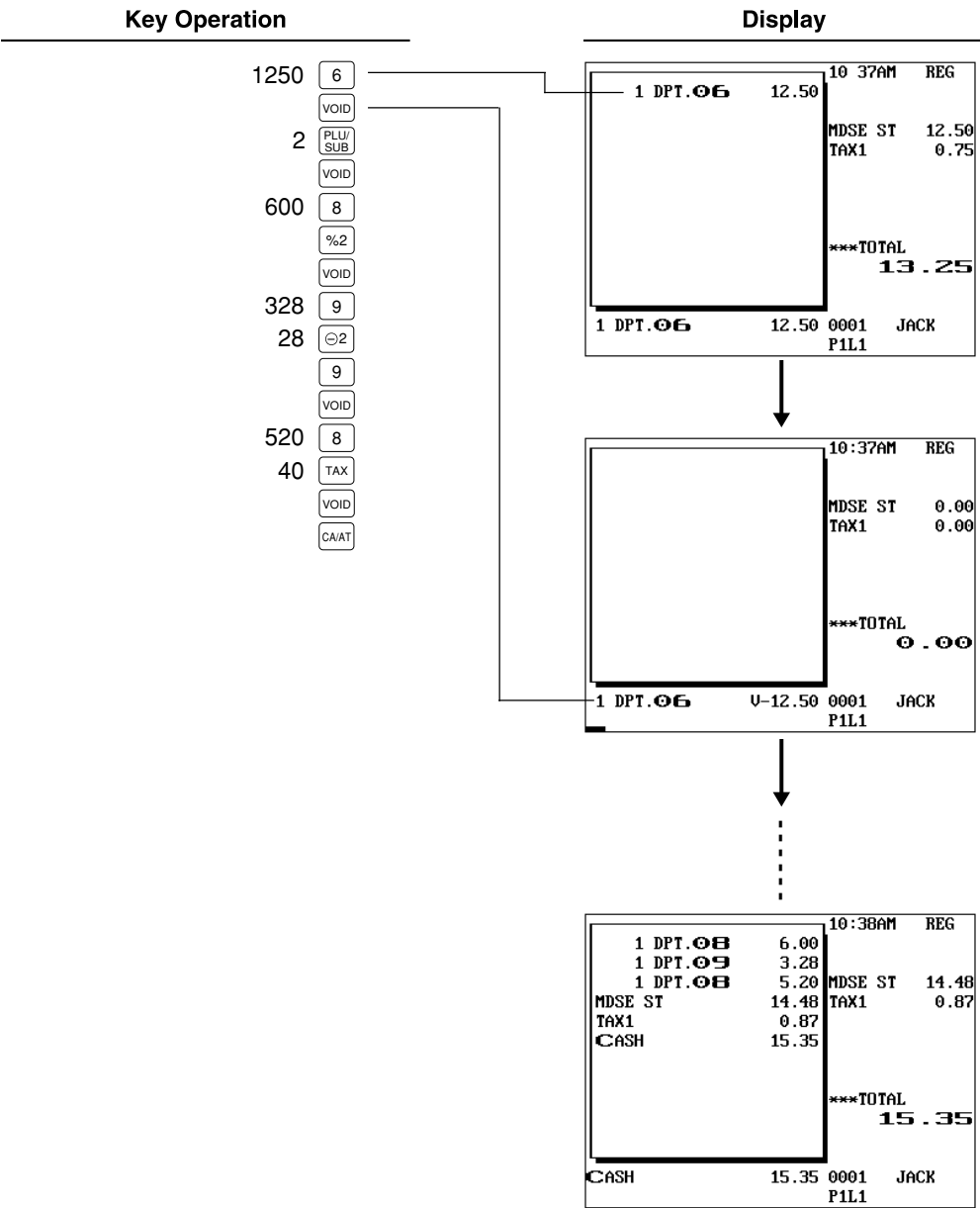
# Correction

REG MODE
MGR MODE

## Correction of the Last Entry (Direct Void)

If you make an incorrect entry relating to a department, PLU/subdepartment, percentage ( [%1] thru [%9] ), discount ( [%1] thru [%9] ), manual tax, or tip, you can void this entry by pressing the [VOID] key immediately.

### Example

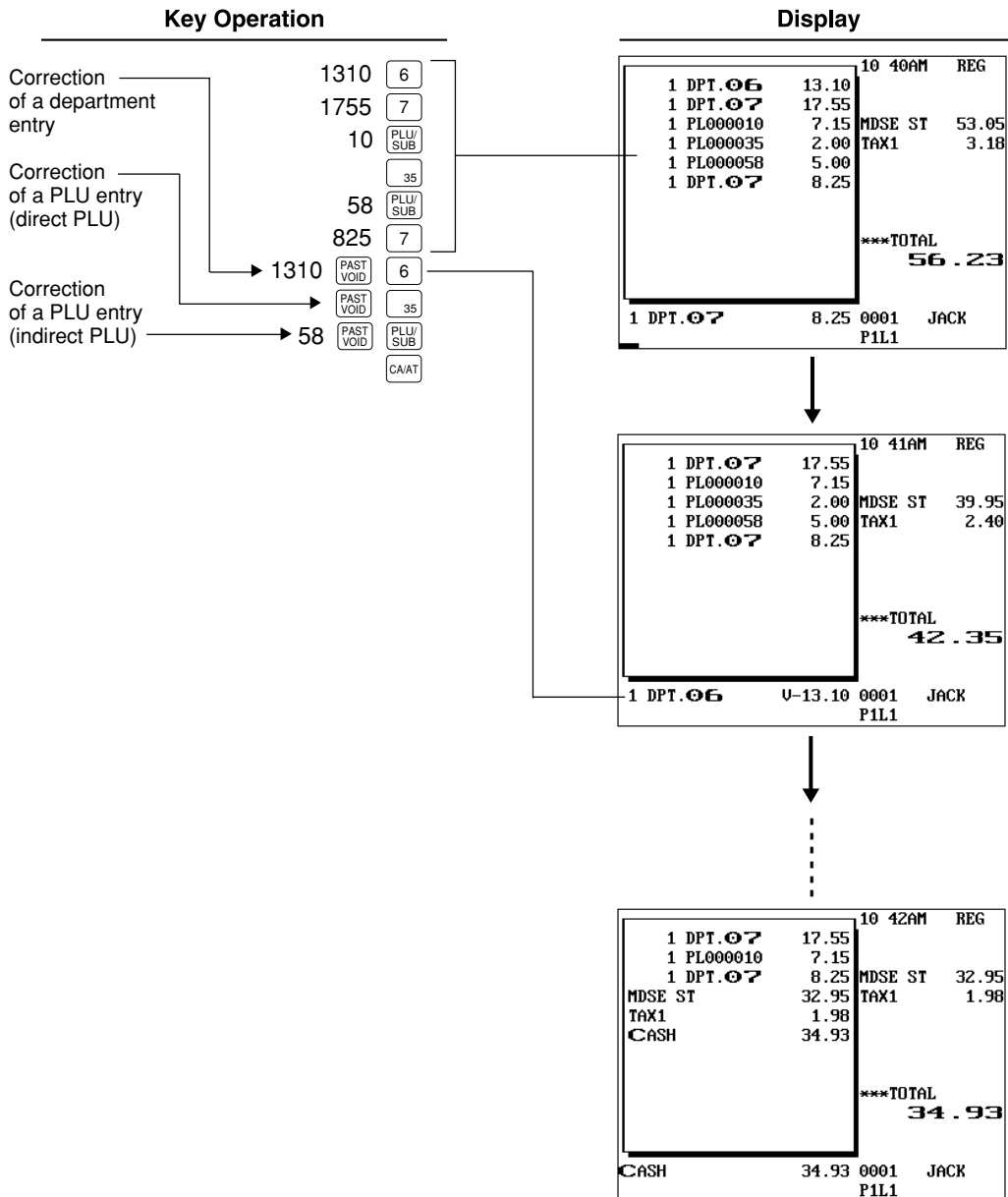




# Correction of the Next-to-Last or Earlier Entries (Indirect Void)

With the **PAST VOID** key you can void any incorrect plus department, plus PLU/subdepartment, or item refund entry made during a transaction if you find it before finalizing the transaction (e.g. before pressing the **CA/AT** key). This function is applicable to plus department and PLU/subdepartment entries only.


## Example









## NOTE

To void entries that include a tax status shift, press the **TAX1**, **TAX2**, **TAX3**, and/or **TAX4** keys prior to the **PAST VOID** key.

# Subtotal Void

With the  key you can void an entire transaction. Once the subtotal void is executed, the transaction is canceled and the POS terminal issues a receipt.

## Example

Key Operation	Display
1310 	<div><div>10 54AM REG</div><div><div>1 DPT.0613.10</div><div>1 DPT.0717.55</div><div>1 PL0000107.15</div><div>1 PL0000352.00</div><div>MDSE ST39.80</div><div>SBTL VD-39.80</div><div>***TOTAL0.00</div></div><div>***TOTAL0.00</div><div>0001 JACK</div><div>P1L1</div></div>
1755 	
10 	
35 	
	
	

# Correction of Incorrect Entries Not Handled by the Direct or Indirect Void Function

Any errors found after the entry of a transaction has been completed or during an amount tendered entry, cannot be voided. These errors must be handled by the manager.  
The following steps should be taken.

1. If you are making an amount tendered entry, finalize the transaction.
2. Hand the incorrect receipt to your manager for recording purposes.

# 8

## Special Printing Function

REG MODE

### Printing Message Text for Remote Printer or Chit Receipts

You can print a message to remote printers or chit receipt when programmed. Press the **MSG #** key and select pertinent message number, or press a **MSG 1** thru **MSG 9** keys while item entries. The message will be printed in double sized characters together with items.

#### NOTE

*You can not finalize the transaction under the state that a message only is entered.  
When multiple messages are entered, the last message only is printed.*

### Copy Receipt Printing

If your customer wants a receipt after you have finalized a transaction with the receipt ON-OFF function in the "OFF" status (no receipting), press the **RCPT** key. This will make a copy receipt. Your POS terminal can also print a copy receipt when the receipt ON-OFF function is in the "ON" status.

#### NOTE

*To toggle the receipt ON-OFF status, use one of the following procedures:*

- Select "01 RCP SW." from the window which is opened by pressing the **MISC FUNC** key.
- Press the **RCP SW** key to open the "RCP SW." window.

#### Example

Printing a copy receipt after making the entries shown below with the receipt ON-OFF function "OFF" status

Key Operation	Print
<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">3</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">2</div> </div> <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">3</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">3</div> </div> <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">CA/AT</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">CA/AT</div> </div>	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">Print on the journal</div> <div style="border: 1px solid black; padding: 5px;"> <p><b>08/26/2000</b> 000000</p> <p>#1082 10:06AM JACK0001</p> <p>PL000002 \$12.50</p> <p style="text-align: right;">3 @ \$11.60</p> <p>PL000003 \$34.80</p> <p>MDSE ST \$47.30</p> <p>GRATUITY \$4.73</p> <p>TAX1 \$2.84</p> <p><b>CASH \$54.87</b></p> </div> </div>
<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">For receipting →</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">RCPT</div> </div>	
<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">Print on the receipt</div> <div style="border: 1px solid black; padding: 5px;"> <p><b>08/26/2000</b> 000000</p> <p>#1082 10:06AM JACK0001</p> <p>PL000002 \$12.50</p> <p style="text-align: right;">3 @ \$11.60</p> <p>PL000003 \$34.80</p> <p>MDSE ST \$47.30</p> <p>GRATUITY \$4.73</p> <p>TAX1 \$2.84</p> <p><b>CASH \$54.87</b></p> </div> </div>	

The "COPY" symbol is printed on the copy receipt.

<b>08/26/2000</b>	000000
#1082	10:06AM JACK0001
<b>*COPY*</b>	
PL000002	\$12.50
3 @	\$11.60
PL000003	\$34.80
MDSE ST	\$47.30
GRATUITY	\$4.73
TAX1	\$2.84
<b>CASH</b>	<b>\$54.87</b>

# 9

## Manager Mode

MGR MODE

The manager mode is used when managerial decisions must be made concerning POS terminal entries, for example, for overriding limitations and for other various non-programming managerial tasks.

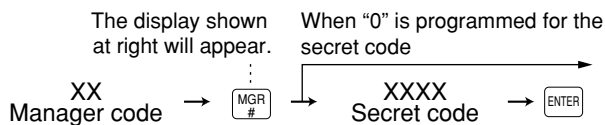
### NOTE

Normal POS terminal operations may also be performed in this mode. However, a receipt is issued whether the receipt function is ON or OFF.

## Entering the Manager Mode

To enter the manager mode, select the REG mode from the mode selection menu, then use the following procedure:

### Procedure



The manager code is stored in the manager file in advance. If the code entered is not found in this file, an error occurs. If the code is correct, it is printed on the journal and the POS terminal enters the manager mode (the manager is signed on).

The manager is signed off automatically each time a transaction is finalized.

### NOTE

If the manager code entry is compelled, the manager entry pad will be opened in the window.

### Display

10 58AM MGR	
MDSE ST	0.00
TAX1	0.00
***TOTAL	
0.00	
1	P1L1

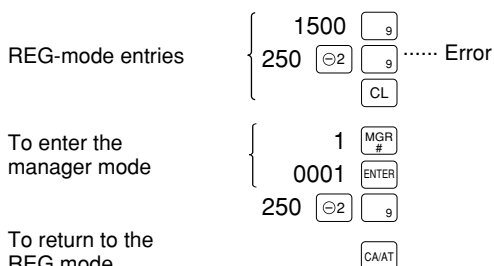
## Override Entries

Programmed limits (such as maximum amounts) for functions can be overridden by placing the POS terminal in the manager mode.

### Example

Selling a \$15.00 item (PLU no. 9) for cash and subtracting the coupon amount \$2.50 from the sales amount (This example presumes that the POS terminal has been programmed not to allow coupon entries over \$2.00.)

### Key Operation



### Display

11:12AM REG	
1 PL000009	15.00
(-)Z	
1 PL000009	-2.50
MDSE ST	12.50
TAX1	0.90
CASH	13.40
***TOTAL	
13.40	
CASH	13.40 0001 JACK
	P1L1

# 10

## Correction after Finalizing a Transaction

MGR MODE

When you need to void incorrect entries that servers cannot correct (incorrect entries that are found after finalizing a transaction or cannot be corrected by direct or indirect void), follow this procedure in the MGR mode.

1. Enter the manager code and press the **MGR #** key, then enter the secret code if applicable.
2. Press the **VOID** key to put your POS terminal in the VOID mode. (Note the indication on the display.)
3. Repeat the entries that are recorded on an incorrect receipt. (All data in the incorrect receipt is removed from POS terminal memory; the voided amounts are added to the void mode totalizer.)

Incorrect receipt		Cancellation receipt
<b>08/26/2000</b> 123456 #1082    10:01PM    JACK0001  PL000009            \$5.30 PL000011            \$8.00 MDSE ST            \$13.30 GRATUITY            \$1.33 TAX1                \$0.88  <b>CASH                \$15.51</b>	→	<b>08/26/2000</b> 123456 #1083    10:02PM    JACK0001  <b>*VOID*</b> PL000009            \$5.30 PL000011            \$8.00 MDSE ST            \$13.30 GRATUITY            \$1.33 TAX1                \$0.88  <b>CASH                \$15.51</b>

### NOTE

Your POS terminal leaves the VOID mode when a transaction is completed (i.e. finalized in the VOID mode). To void additional transactions, repeat steps **2.** and **3.** above.

# 11

## Reading (X) and Resetting (Z) of Sales Totals

	OPXZ MODE
X1 MODE	Z1 MODE
X2 MODE	Z2 MODE

- Use the reading function (X) when you need to take the reading of sales information entered after the last resetting. You can take this reading any number of times. It does not affect the POS terminal's memory.
- Use the resetting function (Z) when you need to clear the POS terminal's memory. Resetting prints all sales information and clears the entire memory except for the GT1 thru GT3, reset count, and consecutive number.
- X1 and Z1 reports show daily sales information. You can take these reports in the X1 or Z1 mode.
- X2 and Z2 reports show periodic (monthly) consolidation information. You can take these reports in the X2 or Z2 mode.

### ■ How to take a reading (X1, X2) or resetting (Z1, Z2) report

#### [To take a reading (X1 or X2) report]

1. Select "X1 MODE" or "X2 MODE" in the mode menu window to display the items list.
2. Select an item listed in the table shown later.
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 or Z2) report]

1. Select "Z1 MODE" or "Z2 MODE" in the mode menu window to display the items list.
2. Select an item listed in the table shown later.
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) report.
  - Select "NO" to cancel the generation of a resetting (Z1, Z2) report.

**NOTE** When a secret code has been set for the corresponding report, enter the secret code and press the  key.

Item	Description	Job code of available report type in each mode				Data to be entered
		X1	Z1	X2	Z2	
1 DEPARTMENT	Full department	110	110	210	210	Start department no./end department no.
2 DEPT. IND. GROUP	Individual group total of departments	112		212		Department group no.
3 DEPT. GROUP TOTAL	Full group total of departments	113		213		
4 M-DOWN FOR DEPT.	Department markdown	119		219		Start department no./end department no.
5 PLU	PLU by designated range	120	120	220	220	Start PLU no./end PLU no.
6 PLU BY DEPT	PLU by associated dept.	121	121	221	221	Department no.
7 PLU IND. GROUP	Individual group of PLUs	122		222		PLU group no.
8 PLU GROUP TOTAL	Full group total of PLUs	123		223		
9 PLU STOCK	PLU stock	124				Start PLU no./end PLU no.
10 PLU COST	PLU cost	125		225		Start PLU no./end PLU no.
11 PLU TOP 20	PLU top 20	126		226		Amount or q'ty
12 PLU ZERO SALES	PLU zero sales	127		227		All
	PLU zero sales by department	127		227		Department no.
13 PLU MIN. STOCK	PLU minimum stock	128				Start PLU no./end PLU no.
14 PLU HOURLY GROUP	PLU group by hour	129	129			Start time/end time
15 TRANSACTION	Transaction	130	130	230	230	
16 CID	Cash in drawer	131				
17 TAX	Tax	133		233		
18 ALL SERVER	Full server	140	140	240	240	
19 IND. SERVER	Individual server	141	141	241	241	Server code
		<OP XZ> 41				
20 ALL MANAGER	Full manager	148	148	248	248	
21 IND. MANAGER	Individual manager	149	149	249	249	
22 EMPLOYEE	Employee	155		255	255	Start employee code/end employee code
23 EMP. ACTIVE STS.	Employee active status	157				Start employee code/end employee code



Item	Description	Job code of available report type in each mode				Data to be entered
		X1	Z1	X2	Z2	
24 HOURLY	Hourly (full)	160				
	Hourly (by range)	160	160			Start time/end time
25 LABOR COST%	Labor cost %	161				
26 OVER TIME	Employee over time	162		262	262	Start employee code/end employee code
27 INGREDIENT STOCK	Ingredient stock	175				Ingredient table no.
28 GLU	GLU/PBLU	180	180			Start GLU/PBLU code/end GLU/PBLU code
29 GLU BY SERVER	GLU PBLU by server	181	181			Server code
30 CLOSED GLU	Closed GLU/PBLU	182	182			Start closed GLU/PBLU code/end closed GLU/PBLU code
31 CL-GLU BY SERVER	Closed GLU/PBLU by server	183	183			Server code
32 DRIVE THRU	Drive-through	185	185			Start drive-through code/end drive-through code
33 D-THRU BY SERVER	Drive-through by server	186	186			Server code
34 CLOSED D-THRU	Closed drive-through	187	187			Start closed drive-through code/end closed drive-through code
35 CL-DT BY SERVER	Closed drive-through by server	188	188			Server code
36 SERVICE TIME	Service time	189	189			
37 STACKED REPORT	Stacked report 1	190	190	290	290	
	Stacked report 2	191	191	291	291	
38 EMP. ADJUSTMENT	Employee time adjustment			256		Start employee code/end employee code
39 EMPLOYEE SALES	Employee sales (detailed)			258	258	
	Employee sales (full)				259	
40 PAY PERIOD	Payment period			266	266	Valid only when payment period is set to "MONTHLY" or "SEMI-MONTHLY"
41 PAY PERIOD SUM.	Payment period summary			267	267	
42 DAILY NET	Daily net			270	270	
43 EMPLOYEE SUMMARY	Employee summary			265	265	Valid only when payment period is set to "NOT USED".
44 ELECTRONIC JOURNAL	Electronic Journal	1700	1700			

# Daily Sales Totals

## Transaction report

### • Sample X report

<b>08/26/2000</b>			123456
#1579	9:28PM	JACK0001	
			Job code
#0130	*X1*		Read symbol
TRANSACTION			Report title
			Grand total of training-mode registrations
TR	\$00000000135.37		
(-) 1	10Q	-2.40	(-)1 counter and total (Subtotal(-))
(-) 2	2Q	-0.52	
(-) 3	3Q	-0.66	
(-) 4	3Q	-0.48	
ST (-) TL	18Q	-4.06	Total for subtotal(-)
%1	4Q	-5.85	%1 counter and total (Subtotal %)
%2	3Q	-5.29	
%3	4Q	-17.55	
%4	3Q	-12.94	
ST % TL	14Q	-41.63	Total for subtotal %
NET 1	\$5124.90		Net sales total
TAX1 ST	\$4346.91		Net taxable 1 total
GRS TAX1	\$284.27		Gross tax 1 total
RFD TAX1	-12.86		Refund tax 1 total
TAX1	\$271.41		Net tax 1 total
TX1 EXPT	\$3.49		Taxable 1 exempt total
TAX2 ST	\$389.25		
GRS TAX2	\$17.17		
RFD TAX2	-1.60		
TAX2	\$15.57		
TX2 EXPT	\$0.00		
TAX3 ST	\$173.75		
GRS TAX3	\$9.27		
RFD TAX3	-0.08		
TAX3	\$9.19		
TX3 EXPT	\$0.00		
TAX4 ST	\$133.75		
GRS TAX4	\$8.03		
RFD TAX4	\$0.00		
TAX4	\$8.03		
TX4 EXPT	\$0.00		
GRS MTAX	\$3.10		Gross manual tax total
RFD MTAX	\$0.00		Refund manual tax total
M-TAX	\$3.10		Net manual tax total
TTL TAX	\$307.30		Tax total
NET	\$5124.90		Sales total without tax
NET2	\$5432.20		Sales total
COMBO1	38Q	\$132.62	Combo 1 counter and total
COMBO2	10Q	\$39.90	

### • Sample Z report

<b>08/26/2000</b>			123456
#1617	10:05PM	JACK0001	
			Job code
#0130	*Z1*		Read symbol
TRANSACTION			Report title
			Grand total of training-mode registrations
TRANSACTION Z1	0003		Reset counter
GT 1	\$00000008577.53		Net grand total (GT2-GT3)
GT 2	\$00000013835.64		Grand total of plus registration
GT 3	-00000005258.11		Grand total of minus registration
TR	\$00000000135.37		Grand total of training-mode registrations

The subsequent printout occurs in the same format as in the sample X report.

(When the Canadian tax system is selected)

TAX1 ST	\$1163.35		
GRS TAX1	\$93.95		
RFD TAX1	-0.88		
TAX1	\$93.07		Tax 1
TX1 EXPT	\$0.00		
TAX2 ST	\$70.00		
GRS TAX2	\$0.48		
RFD TAX2	\$0.00		
TAX2	\$0.48		
TAX4 ST	\$132.50		
GRS TAX4	\$14.50		
RFD TAX4	-1.25		
TAX4	\$13.25		Tax 4
TX4 EXPT	\$0.00		
GRS MTAX	\$6.80		
RFD MTAX	-1.55		
M-TAX	\$5.25		Manual tax
GST EXPT	\$1403.71		Exempt total from GST
PST TTL	\$94.91		PST total
GST TTL	\$13.25		GST total

To be continued on the next page

COMB020	0Q	\$0.00	
(-) 5	11Q	-1.32	(-)5 counter and total (Item(-))
(-) 6	13Q	-2.73	
(-) 7	8Q	-1.76	
(-) 8	4Q	-1.40	
(-) 9	4Q	-5.00	
(-) TL	40Q	-12.21	Total for item(-)
%5	4Q	-0.28	%5 counter and total (Item %)
%6	9Q	-4.50	
%7	8Q	-4.36	
%8	6Q	-5.10	
%9	7Q	-8.85	
% TL	34Q	-23.09	Total for item %
CP PLU	7Q	-7.00	Coupon-like PLU counter and total
EAT IN 1	1Q	\$3.84	Eat-in 1 counter and total
EAT IN 2	1Q	\$4.13	
EAT IN 3	1Q	\$4.13	
DIR VD	15Q	\$515.50	Direct void counter and total
PAST VD	4Q	\$13.00	Indirect void counter and total
SBTL VD	6Q	\$153.45	Subtotal void counter and total
MGR VD	6Q	\$8.19	Manager item void counter and total
VOID	4Q	\$8.94	Void-mode transaction counter and total
REFUND	20Q	\$150.00	Refund counter and total
RETURN	3Q	\$19.50	Return counter and total
HASH VD	3Q	\$3.60	Hash item void counter and total
HA P. VD	3Q	\$3.60	Hash item indirect void
HASH RF	3Q	\$3.60	Hash item refund counter and total
HASH RT	3Q	\$3.60	Hash item return counter and total
NO SALE	3Q		No-sale (exchange) counter
BILL CNT	2Q		Bill print counter
DRW CNT	0Q		Till timer counter
TRAY CNT	3Q		Tray subtotal print counter
***PBAL	14Q		GLU/PBLU counter
***PBAL2	2Q		Drive-through counter
SERVICE	10Q		Service counter (for GLU/PBLU)
SERVICE2	1Q		Service counter (for drive-through)
COVER CT	263Q		Cover counter
TRAN. OUT	0Q	\$0.00	Transfer-out counter and total
TRAN. IN	0Q	\$0.00	Transfer-in counter and total
TRANS CT	191Q		Transaction counter
AVE SALE		\$20.65	
GRATUITY		\$511.15	Gratuity total
NET3		\$5945.05	Sales total (including hash dept. total)
HASH TTL	11Q	\$8.80	Hash counter and total
WASTE TL	4Q	-10.50	Waste counter and total
CASH	158Q	\$5145.56	Cash counter and total
CASH2	1Q	\$28.50	Cash 2 counter and total
CASH TL	159Q	\$5174.06	Total for cash

To be continued on the next page

***RA	1Q	\$30.00	Received-on-account counter and total
***RA2	1Q	\$50.00	
RA TL	2Q	\$80.00	Total for received-on-account
***PO	2Q	\$40.00	Paid-out counter and total
***PO2	2Q	\$60.00	
PO TL	4Q	\$100.00	Total for paid-out
CA/CHK1	1Q	\$10.00	Check cashing 1 counter and total
CA/CHK2	1Q	\$30.00	
CA/CHK3	1Q	\$15.00	
CA/CHK4	1Q	\$25.00	
CA/CK TL	4Q	\$80.00	Total for check cashing
CHK/CG		\$31.03	Cash change total for check and charge 1-8 tendering
CONV 1		30.00	Currency conversion 1 total (by programmed rate)
CONV 2		20.00	
CONV 3		50.00	
CONV 4		40.00	Currency conversion 4 total (by manual rate)
CONV TL		140.00	Total for conversion
EMPL CH	5Q	\$135.10	
EMPL CH-	0Q	\$0.00	
CHARGE1	5Q	\$205.84	Gross charge 1 counter and total
CHARGE1-	1Q	-11.68	Refund charge 1 counter and total
CHARGE2	1Q	\$20.33	
CHARGE2-	1Q	-22.80	
CHARGE3	2Q	\$51.70	
CHARGE3-	1Q	-11.68	
CHARGE4	1Q	\$30.24	
CHARGE4-	1Q	-17.48	
CHARGE5	1Q	\$26.56	
CHARGE5-	1Q	-14.82	
CHARGE6	1Q	\$13.68	
CHARGE6-	1Q	-11.68	
CHARGE7	1Q	\$177.28	
CHARGE7-	1Q	-24.44	
CHARGE8	1Q	\$15.71	
CHARGE8-	1Q	-12.84	
CHR TL	21Q	\$413.92	Total for charge
CHECK1	4Q	\$140.00	Check 1 sale counter and tendering counter
CHECK2	1Q	\$90.00	
CHECK3	1Q	\$45.00	
CHECK4	1Q	\$45.00	
CHECK TL	7Q	\$320.00	Total for check
CA+CH ID		\$5244.35	Cash+check in drawer
****CID		\$4924.35	Cash in drawer
DEPOSIT	1Q	\$20.00	Deposit counter and total
DPST RF	1Q	-20.00	Deposit refund counter and total
TIP PAID	3Q	\$17.00	Tip-paid counter and total
CA TIP	5Q	\$13.00	Cash tip-in counter and total
CH TIP	1Q	\$3.00	Charge tip-in counter and total

## ■ Department report

### • Sample X report

<b>08/26/2000</b>			123456
#1571	9:19PM	JACK0001	
#0110 *X1*			
DEPARTMENT			
D01	660Q	57.15%	
DPT. 01		\$2262.73	Sales amount
D02	140Q	13.74%	Ratio of dept.
DPT. 02		\$544.07	2 sales amount to
			"+" real dept. total

D10	113Q	10.18%	
DPT. 10		\$403.20	
*DEPT TL	1216Q	\$3959.09	"+" real dept. counter and total
		100.00%	
D06	8Q	-48.50	
DPT. 06		-48.50	"-" real dept. counter and total
DEPT (-)	8Q		
D07	9Q	\$10.80	
DPT. 07		\$10.80	"+" hash dept. counter and total
*HASH TL	9Q		
D08	2Q	-2.00	
DPT. 08		-2.00	"-" hash dept. counter and total
HASH (-)	2Q		

### • Sample Z report

<b>08/26/2000</b>			123456
#1612	10:01PM	JACK0001	
#0110 *Z1*			
DEPARTMENT			
DEPARTMENT Z1		0005	Reset counter

↓  
The subsequent printout occurs in the same format as in the sample X report.

■ Individual group total report on departments

08/26/2000 123456		
#1572 9:20PM JACK0001		
#0112 *X1*		
DEPT. IND. GROUP		
D01	660Q	
DPT. 01		\$2262.73
D09	9Q	
DPT. 09		\$163.37
D10	113Q	
DPT. 10		\$403.20
DPT GR-1	782Q	\$2829.30

Dept. no.  
Sales q'ty  
Sales amount  
Dept. label  
Group 1 sales  
q'ty and amount

■ Department markdown report

08/26/2000 123456		
#1574 9:20PM JACK0001		
#0119 *X1*		
M-DOWN FOR DEPT.		
D01		
DPT. 01		
(-) 5	5Q	-0.60
(-) 6	4Q	-0.84
(-) 7	5Q	-1.10
(-) 8	2Q	-0.70
(-) 9	2Q	-2.50
***TOTAL	18Q	-5.74
%5	3Q	-0.15
%6	5Q	-1.25
%7	5Q	-0.98
%8	4Q	-1.10
%9	4Q	-2.10
***TOTAL	21Q	-5.58

Dept. no.  
Dept. label  
(-)5 counter and  
total (Item -)  
Item (-) counter and  
total for dept. 1  
%5 counter and total  
(Item %)  
Item % counter and  
total for dept. 1

■ Full group total report on departments

08/26/2000 123456		
#1573 9:20PM JACK0001		
#0113 *X1*		
DEPT. GROUP TOTAL		
DPT GR-1	782Q	\$2829.30
DPT GR-2	148Q	\$495.57
DPT GR-3	234Q	\$386.77

Group 1 sales  
q'ty and amount

D10		
DPT. 10		
(-) 5	3Q	-0.36
(-) 6	2Q	-0.42
(-) 7	2Q	-0.44
(-) 8	1Q	-0.35
(-) 9	2Q	-2.50
***TOTAL	10Q	-4.07
%6	3Q	-3.00
%7	2Q	-3.00
%8	2Q	-4.00
%9	2Q	-6.00
***TOTAL	9Q	-16.00

## ■ PLU report by designated range

### • Sample X report

<b>08/26/2000</b>			123456
#1576	9:21PM	JACK0001	
#0120	*X1*		
PLU			
	000001-000020		
P000001			
PL1	138Q	\$341.37	
COMBO	6Q	\$11.46	
WASTE	-1Q	-2.50	
RF	-2Q	-5.00	
CP	17Q	-9.34	
NET SLS	141Q	\$335.99	
		33.02%	
PL1-2	16Q	\$32.00	
COMBO	1Q	\$1.91	
RF	-1Q	-2.00	
NET SLS	16Q	\$31.91	
		52.82%	

PL1-5	10Q	\$30.00	
COMBO	1Q	\$1.91	
WASTE	-1Q	-3.00	
RF	-1Q	-3.00	
NET SLS	9Q	\$25.91	
		45.75%	
P000002			
PL2	77Q	\$115.50	

PL20-5	3Q	\$6.00	
COMBO	4Q	\$3.16	
NET SLS	7Q	\$9.16	
		16.17%	
***TOTAL	472Q	\$981.59	
COMBO TL	41Q	\$52.75	
WASTE TL	-1Q	-2.50	
		0.25%	
RF TL	-2Q	-5.00	
CP	17Q	-9.34	
NET TL	510Q	\$1017.50	
		100.00%	

COMBO TL	24Q	\$54.41	
WASTE TL	9Q	\$8.23	
	-1Q	-3.00	
		5.03%	
RF TL	-1Q	-3.00	
CP	0Q	\$0.00	
NET TL	31Q	\$56.64	
		100.00%	

PLU no.  
Item label for price level 1  
PLU range  
Sales q'ty and amount for price level 1  
Combo sales for price level 1  
Coupon counter and total for price level 1  
Net sales for price level 1  
Refund counter and total for price level 2

### • Sample Z report

<b>08/26/2000</b>			123456
#1613	10:01PM	JACK0001	
#0120	*Z1*		
PLU			
PLU Z1/Z2			0003

↓  
The subsequent printout occurs in the same format as in the sample X report.

## ■ PLU report by associated department

### • Sample X report

<b>08/26/2000</b>			123456
#1577	9:22PM	JACK0001	
#0121 *X1*			
PLU BY DEPT			
DPT. 01		<b>D01</b>	Associated dept. no.
P000001			PLU no.
PL1	138Q	\$341.37	Item label
COMBO	6Q	\$11.46	Sales q'ty and amount for price level 1
WASTE	-1Q	-2.50	
RF	-2Q	-5.00	
CP	17Q	-9.34	
NET SLS	141Q	\$335.99	
		50.40%	
PL1-2	16Q	\$32.00	
COMBO	1Q	\$1.91	
RF	-1Q	-2.00	
NET SLS	16Q	\$31.91	
		98.43%	
PL1-5			
COMBO	1Q	\$1.91	
WASTE	-1Q	-3.00	
RF	-1Q	-3.00	
NET SLS	9Q	\$25.91	
		98.26%	
P000004			
PL4	12Q	\$48.00	
COMBO	3Q	\$7.05	
NET SLS			
	7Q	\$13.93	
		2.09%	
***TOTAL			
COMBO TL	11Q	\$27.21	Total sales q'ty and total sales amount for price level 1
WASTE TL	-1Q	-2.50	
		0.37%	
RF TL	-2Q	-5.00	
CP	17Q	-9.34	
NET TL	251Q	\$666.71	
		100.00%	
	19Q	\$32.51	
COMBO TL	1Q	\$1.91	
WASTE TL	0Q	\$0.00	
		-0.00%	
COMBO TL			
	11Q	\$30.46	
	1Q	\$1.91	
WASTE TL	-1Q	-3.00	
		10.21%	
RF TL	-1Q	-3.00	
CP	0Q	\$0.00	
NET TL	10Q	\$26.37	
		100.00%	

### • Sample Z report

<b>08/26/2000</b>			123456
#1614	10:02PM	JACK0001	
#0121 *Z1*			
PLU BY DEPT			
PLU Z1/Z2			0004



The subsequent printout occurs in the same format as in the sample X report.



## ■ Individual group report on PLUs

<b>08/26/2000</b>			123456
#1578	9:22PM	JACK0001	
#0122 *X1*			
PLU IND. GROUP			
P000002			PLU no.
PL2	77Q	\$115.50	Sales q'ty and amount for price level 1
PL2-2	16Q	\$15.84	
PL2-3	2Q	\$2.00	Item label
PL2-4	2Q	\$2.40	
PL2-5	6Q	\$10.20	
P000005			
PL5	110Q	\$133.45	
PL5-2	6Q	\$4.60	
PL5-3	2Q	\$1.98	
PL5-4	4Q	\$4.00	
PL5-5	2Q	\$4.00	
PLU GR02	227Q	\$293.97	Group 2 sales q'ty and amount

## ■ PLU stock report

<b>08/26/2000</b>			123456
#1581	9:23PM	JACK0001	
#0124 *X1*			
PLU STOCK			
		000012-000020	Range
P000012			PLU no.
PL000012	5S	\$13.75	Stock q'ty
P000013			Item label
PL000013	9S	\$15.75	
P000014			
PL000014	4S	\$13.00	
P000020			
PL20	1S	\$1.50	

## ■ Full group total report on PLUs

08/26/2000		123456
#1579	9:22PM	JACK0001
#0123 *X1*		
PLU GROUP TOTAL		
PLU GR01	248Q	\$665.28
PLU GR02	227Q	\$293.97
PLU GR03	24Q	\$25.56

## ■ PLU cost report

<b>08/26/2000</b>			123456
#1582	9:23PM	JACK0001	
#0125 *X1*			
PLU COST			
000001-000020			Range
P000001	PLU no.		
PL1	141Q	\$335.99	Sales amount for price level 1
COST	\$0.80	\$112.80	Usage cost for price level 1 = Item cost x Sales q'ty
COST%		33.57%	PLU cost% for price level 1 = Usage cost/Sales amount
PL1-2	16Q	\$31.91	Sales q'ty for price level 1
COST	\$0.80	\$12.80	Item cost for price level 1
COST%		40.11%	
PL1-3	4Q	\$8.80	
COST	\$0.75	\$3.00	Item label for price level 1
COST%		34.09%	
PL1-4	1Q	\$2.70	
COST	\$0.85	\$0.85	
COST%		31.48%	
PL1-5	9Q	\$25.91	
COST	\$0.90	\$8.10	
COST%		31.26%	
***TOTAL			
TTL COST	611Q	\$1160.58	Total sales q'ty and total sales amount
COST%		\$204.30	Total cost
		17.60%	Cost%

### NOTE

The cost is calculated from recipe and ingredient table.

## ■ PLU top 20 report

### • By amount

<b>08/26/2000</b>			123456
#1583	9:24PM	JACK0001	
#0126 *X1*			
PLU TOP 20			
AMOUNT			
*01*			Ranking
P000001			PLU no.
PL1	141Q	\$335.99	Sales q'ty
PL1-2	16Q	\$31.91	Sales amount
PL1-3	4Q	\$8.80	Item label
PL1-4	1Q	\$2.70	
PL1-5	9Q	\$25.91	
*02*			
P000005			
PL5	110Q	\$133.45	
PL5-2	6Q	\$4.60	
PL5-3	2Q	\$1.98	
PL5-4	4Q	\$4.00	
PL5-5	2Q	\$4.00	
*20*			
P000013			
PL000013	7Q	\$2.25	
PL000013	0Q	\$0.00	
PL000013	0Q	\$0.00	
PL000013	0Q	\$0.00	
PL000013	0Q	\$0.00	
***TOTAL	510Q	\$1017.50	Total sales q'ty for price level 1
	50Q	\$60.41	Total sales amount for price level 1
	10Q	\$14.03	
	10Q	\$12.00	
	31Q	\$56.64	

### • By q'ty

<b>08/26/2000</b>			123456
#1584	9:24PM	JACK0001	
#0126 *X1*			
PLU TOP 20			
QUANTITY			
*01*			
P000001			
PL1	141Q	\$335.99	
PL1-2	16Q	\$31.91	
PL1-3	4Q	\$8.80	
PL1-4	1Q	\$2.70	
PL1-5	9Q	\$25.91	
*02*			
P000005			
PL5	110Q	\$133.45	
PL5-2	6Q	\$4.60	
PL5-3	2Q	\$1.98	
PL5-4	4Q	\$4.00	
PL5-5	2Q	\$4.00	
*20*			
P000007			
PL7	5Q	\$9.00	
PL000007	0Q	\$0.00	
PL000007	0Q	\$0.00	
PL000007	0Q	\$0.00	
PL000007	0Q	\$0.00	
PL000007	0Q	\$0.00	
***TOTAL	518Q	\$1010.85	
	50Q	\$60.41	
	10Q	\$14.03	
	10Q	\$12.00	
	30Q	\$54.14	

■ **PLU zero sales report (full)**

<b>08/26/2000</b>		123456
#1585	9:25PM	JACK0001
#0127 *X1*		
PLU ZERO SALES		
P000022	PL000022	PLU no.
P000023	PL000023	Item label
P000024	PL000024	
P000025	PL000025	
P000026	PL000026	
P000050	PL000050	

■ **PLU minimum stock report**

<b>08/26/2000</b>		123456
#1578	9:28PM	JACK0001
#0128 *X1*		
PLU MIN. STOCK		
000001-000020		Range
P000004		PLU no.
PL4	3S	Stock q'ty
P000005		Item label
PL5	8S	

■ **PLU zero sales (by dept.) report**

<b>08/26/2000</b>		123456
#1586	9:25PM	JACK0001
#0127 *X1*		
PLU ZERO SALES		
DPT. 01	D01	PLU no.
P000022	PL000022	Associated dept. no.
P000023	PL000023	Item label
P000024	PL000024	
P000025	PL000025	
P000050	PL000050	

## ■ PLU group total report by hour

### • Sample X report

```

08/26/2000 123456
#1579 9:28PM JACK0001

#0129 *X1*
PLU HOURLY GROUP

10:00AM
HOUR GR1 4Q $9.41
HOUR GR2 3Q $4.50
HOUR GR3 4Q $3.79
HOUR GR4 3Q $10.35
HOUR GR5 4Q $4.70
HOUR GR6 1Q $1.70
HOUR GR7 2Q $3.50
HOUR GR8 1Q $2.00
HOUR GR9 2Q $10.60
10:30AM
HOUR GR1 4Q $10.00
HOUR GR2 1Q $1.50
HOUR GR3 1Q $1.00
HOUR GR4 1Q $4.00
HOUR GR5 5Q $7.50
HOUR GR6 1Q $1.70
HOUR GR7 1Q $2.00
HOUR GR8 1Q $2.00
HOUR GR9 6Q $37.20
    
```

PLU hourly  
group 1  
q'ty and amount

```

8:30PM
HOUR GR1 8Q $20.00
HOUR GR2 3Q $4.50
HOUR GR3 1Q $1.00
HOUR GR4 1Q $4.00
HOUR GR5 1Q $1.50
HOUR GR6 3Q $5.10
HOUR GR7 1Q $2.00
HOUR GR8 1Q $2.00
HOUR GR9 2Q $10.60
    
```

## ■ Cash in drawer report

### • Sample X report

```

08/26/2000 123456
#1582 9:30PM JACK0001

#0131 *X1*
CID

SRV#0001 JACK
TRANS CT 177Q
NET3 $5474.95
****CID $4522.61

SRV#0002 JIM
TRANS CT 9Q
NET3 $238.81
****CID $171.45

***TOTAL
TRANS CT 193Q
NET3 $5952.06
****CID $4932.36
    
```

Server code  
Server name  
Transaction  
counter  
Sales total  
Cash in drawer

Total

### • Sample Z report

```

08/26/2000 123456
#1626 10:33PM JACK0001

#0129 *Z1*
PLU HOURLY GROUP
    
```



The subsequent printout occurs  
in the same format as in the  
sample X report.

# ■ Tax report

08/26/2000 123456  
#1583 9:30PM JACK0001

#0133 \*X1\*  
TAX

TAX1 ST	\$4346.91	Net taxable 1 total
GRS TAX1	\$284.27	Gross tax 1 total
RFD TAX1	-12.86	Refund tax 1 total
TAX1	\$271.41	Net tax 1 total
TX1 EXPT	\$3.49	Taxable 1 exempt total
TAX2 ST	\$389.25	
GRS TAX2	\$17.17	
RFD TAX2	-1.60	
TAX2	\$15.57	
TAX3 ST	\$173.75	
GRS TAX3	\$9.27	
RFD TAX3	-0.08	
TAX3	\$9.19	
TAX4 ST	\$133.75	
GRS TAX4	\$8.03	Gross manual tax total
TAX4	\$8.03	
GRS MTAX	\$3.40	Refund manual tax total
RFD MTAX	-0.30	
M-TAX	\$3.10	Net manual tax total
TTL TAX	\$307.30	Tax total

(When the Canadian tax system is selected)

TAX1 ST	\$1163.35
GRS TAX1	\$93.95
RFD TAX1	-0.88
TAX1	\$93.07
TX1 EXPT	\$0.00

Tax 1

TAX4 ST	\$132.50
GRS TAX4	\$14.50
RFD TAX4	-1.25
TAX4	\$13.25
TX4 EXPT	\$0.00
GRS MTAX	\$6.80
RFD MTAX	-1.55
M-TAX	\$5.25
GST EXPT	\$1403.71
PST TTL	\$94.91
GST TTL	\$13.25

Tax 4

Manual tax  
Exempt total from GST  
PST total  
GST total

## ■ Individual server report

### • Sample X report

```

08/26/2000    123456
#1586        9:33PM    JACK0001

#0141 *X1*
IND. SERVER

SRV#0001      JACK
NET1          $4754.89
GRATUITY      $474.15
CA TIP        1Q      $1.00
CH TIP        1Q      $2.50
TIP PAID      2Q      $16.00
TRANS CT      179Q
COVER CT      251Q
NET3          $5519.21
CLOSE CK      0Q      $0.00
OPEN CK       0Q      $0.00
TRAN. OUT     0Q      $0.00
TRAN. IN      0Q      $0.00
***RA        1Q      $30.00
***RA2       1Q      $50.00
***PO        2Q      $40.00
***PO2       2Q      $60.00
REFUND        20Q     $150.00
RETURN        3Q      $19.50
DIR VD       15Q     $515.50
PAST VD       4Q      $13.00
(-) 1        10Q     -2.40
(-) 2        2Q      -0.52
(-) 3        3Q      -0.66
(-) 4        3Q      -0.48
%1           4Q      -5.85
%2           3Q      -5.29
%3           4Q     -17.55
%4           3Q     -12.94
(-) 5       11Q     -1.32
(-) 6       13Q     -2.73
(-) 7        8Q     -1.76
(-) 8        4Q     -1.40
(-) 9        4Q     -5.00
%5           4Q     -0.28
%6           9Q     -4.50
%7           8Q     -4.36
  
```

Server code  
 Server name  
 Net sales total  
 Gratuity total  
 Cash tip-in  
 Charge tip-in  
 Tip paid counter and total  
 Transaction counter  
 Cover counter  
 Closed GLU/PBLU/drive-through counter and total  
 Open GLU/PBLU/drive-through counter and total  
 Transfer-out counter and total  
 Transfer-in counter and total

### • Sample Z report

```

08/26/2000    123456
#1627        10:36PM    JACK0001

#0141 *Z1*
IND. SERVER

SERVER Z1/Z2    0004
  
```

The subsequent printout occurs  
 in the same format as in the  
 sample X report.

```

%9           7Q      -8.85
DRW CNT      0Q
CONV 1       30.00
CONV 2       20.00
CONV 3       50.00
CONV 4       40.00
CASH        146Q    $4754.50
CASH2        1Q     $28.50
CHARGE1      4Q     $138.48
CHARGE1-     1Q     -11.68
  
```

```

CHARGE8      1Q     $15.71
CHARGE8-     1Q     -12.84
CHECK1       5Q     $171.58
CHECK2       1Q     $90.00
CHECK3       1Q     $45.00
CHECK4       1Q     $45.00
CA+CH ID     $4886.87
****CID     $4535.29
GROUP1      679Q    $3154.22
GROUP2      145Q    $528.57
GROUP3      225Q    $372.97
GROUP4       54Q    $122.75
GROUP5     123Q    $403.20
GROUP6       5Q     -8.50
GROUP7       9Q     $10.80
GROUP8       2Q     -2.00
GROUP9     11Q     $163.37
  
```

Server group 1  
 total

#### NOTE

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

## ■ Full server report

- Sample X report

<b>08/26/2000</b>		123456
#1587	9:34PM	JACK0001
#0140 *X1*		
ALL SERVER		

- Sample Z report

<b>08/26/2000</b>		123456
#1618	10:06PM	JACK0001
#0140 *Z1*		
ALL SERVER		
SERVER Z1/Z2		0002

Reset counter

The subsequent printout occurs  
in the same format as in the sample report shown in  
the "Individual server report"; and sales data  
on servers print in this sequence.



## ■ Individual manager report

### • Sample X report

<b>08/26/2000</b>			123456
#1587	9:35PM	JACK0001	
#0149 *X1*			
IND. MANAGER			
MGR#01	Manager code		
(-) 1	4Q	-0.96	
(-) 2	1Q	-0.26	
(-) 3	2Q	-0.44	
(-) 4	1Q	-0.16	
(-) 5	1Q	-0.12	
(-) 6	2Q	-0.42	
(-) 7	3Q	-0.66	
(-) 8	1Q	-0.35	
(-) 9	1Q	-1.25	
DIR VD	1Q	\$1.00	
PAST VD	1Q	\$7.00	
SBTL VD	1Q	\$9.50	
MGR VD	2Q	\$2.20	
<b>VOID</b>	1Q	\$2.40	
REFUND	1Q	\$1.00	
RETURN	1Q	\$2.50	
HASH VD	1Q	\$1.20	
HA P. VD	1Q	\$1.20	
HASH RF	1Q	\$1.20	
HASH RT	1Q	\$1.20	
NO SALE	1Q		
TRAN. OUT	0Q	\$0.00	
TRAN. IN	0Q	\$0.00	
***P0	1Q	\$25.00	
***P02	1Q	\$10.00	
TIP PAID	1Q	\$3.00	

### • Sample Z report

<b>08/26/2000</b>			123456
#1621	10:10PM	JACK0001	
#0149 *Z1*			
IND. MANAGER			
MANAGER Z1/Z2	0004 Reset counter		



The subsequent printout occurs in the same format as in the sample X report.

■ Full manager report

• Sample X report

08/26/2000123456

#15889:35PMJACK0001

#0148 \*X1\*  
ALL MANAGER

• Sample Z report

08/26/2000123456

#162010:10PMJACK0001

#0148 \*Z1\*  
ALL MANAGER

MANAGER Z1/Z20003

Reset counter

The subsequent printout occurs  
in the same format as in the sample report shown in  
the “Individual manager report”; and sales data  
on servers print in this sequence.

## ■ Employee report

<b>08/03/2000</b>		123456
#1300	8:03PM	JACK0001
#0155 *X1*		
EMPLOYEE		
#0000000011 - #0000000012		Range
#0000000011	SAM	Employee code
<b>08/03/2000</b>		Operation
TIME-IN	10:25AM #04THU	Time-in operation time & location
BRK-IN	2:03PM	
BRK-OUT	2:50PM #04THU	
TIME-OUT	7:25PM	Time-out operation & location
LOC#04	THU	
***TOTAL	8:13H	
L. COST	\$60.70	Total working time per location
TTL HOUR	8:13H	Total over time per location
OVR TIME	2:13H	Total cost per location
TTL COST	\$60.70	Total
TTL HOUR		8:13H
OVR TIME		2:13H
TTL COST		\$60.70
#0000000012		MIKE
<b>08/03/2000</b>		
TIME-IN	10:26AM #04THU	Break-in operation time & location
BRK-IN	2:03PM	
BRK-OUT	2:50PM #04THU	Break-out operation time & location
TIME-OUT	7:40PM *	Edited time
LOC#04	THU	
***TOTAL	8:27H	
L. COST	\$62.74	
TTL HOUR	8:27H	
OVR TIME	2:27H	
TTL COST	\$62.74	
TTL HOUR		8:27H
OVR TIME		2:27H
TTL COST		\$62.74
-----		
LOC#04	THU	
***TOTAL	16:40H	Total working time of all employees per location
L. COST	\$123.44	Total labor cost of all employees per location
TTL HOUR		16:40H
OVR TIME		4:40H
TTL COST		\$123.44

## ■ Employee time adjustment report

<b>08/26/2000</b>		123456
#1633	10:50PM	
#0256 *X2*		
EMP. ADJUSTMENT		
#0000000011 - #0000000012		Range
#0000000011	SAM	Employee code
<b>08/26/2000</b>		Operation
TIME-IN	9:49AM	
BRK-IN	11:45AM	
BRK-OUT	12:30PM	
BRK-IN	2:30PM	
BRK-OUT	3:40PM	Operation time before time editing
	08/26/2000 6:07PM	Edited time
TIME-OUT	5:10PM	
#0000000012		MIKE
<b>08/26/2000</b>		
TIME-IN	9:53AM	
BRK-IN	11:30AM	
BRK-OUT	12:45PM	
BRK-IN	2:30PM	
BRK-OUT	2:45PM	
TIME-OUT	6:05PM	

## ■ Employee over time report

<b>08/26/2000</b>		123456
#1634	10:51PM	
#0262 *X2*		
OVER TIME		
#0000000011 - #0000000012		Employee code
#0000000011	SAM	Range
<b>08/26/2000</b>		Employee name
OVR TIME	0:36H	Over time
OVR COST	\$7.80	Over time labor cost
#0000000012		MIKE
<b>08/26/2000</b>		
OVR TIME	1:42H	
OVR COST	\$12.75	

## ■ Employee active status report

<b>08/26/2000</b>		123456
#1186	11:32AM	
#0157 *X1* EMP. ACTIVE STS.		
#0000000011 - #0000000020		Range
#0000000011	SAM	Employee code
TIME-IN	9:50AM	Employee name
#0000000012	MIKE	
TIME-IN	9:53AM	Indicates that the employee is under break.
<hr/>		
#0000000020	TOM	
TIME-IN	--:--	Indicates that the employee is not timed in.

## ■ Hourly report

### • Sample X report

<b>08/26/2000</b>		123456
#1589	9:34PM	JACK0001
#0160 *X1* HOURLY		
10:00AM	11Q	\$178.68
COVER CT	17Q	
AVE.		\$10.51
10:30AM	14Q	\$142.80
COVER CT	14Q	
AVE.		\$10.20
SUBTOTAL	25Q	\$321.48
COVER CT	31Q	
<hr/>		
8:30PM	22Q	\$153.40
COVER CT	22Q	
AVE.		\$6.97
SUBTOTAL	35Q	\$292.86
COVER CT	39Q	

### • Sample Z report

<b>08/26/2000</b>		123456
#1622	10:10PM	JACK0001
#0160 *Z1* HOURLY		
HOURLY Z1		0005

↓  
The subsequent printout occurs in the same format as in the sample X report.

**NOTE** The hourly report can be formatted by 15 min., 30 min., or 1 hour intervals depending upon programming.

## ■ Labor cost % report

<b>08/26/2000</b>			123456
#1590	2:07PM	JACK0001	
<b>#0161 *X1*</b>			
<b>LABOR COST%</b>			
10:00AM	13Q	\$187.50	Transaction counter
LABOR%		\$26.50	Employee cost
		14.13%	Labor cost %
11:00AM	12Q	\$188.29	
LABOR%		\$26.50	
		14.07%	
12:00PM	20Q	\$159.36	Sales total
LABOR%		\$26.50	
		16.63%	
3:00PM	10Q	\$30.60	
LABOR%		\$30.73	

## ■ Ingredient stock report

<b>08/26/2000</b>			123456
#1589	9:38PM	JACK0001	
<b>#0175 *X1*</b>			
<b>INGREDIENT STOCK</b>			
I 001		001-010	Range
MEAT		14S	Ingredient table no.
I 002		11S	Stock q'ty
ONION			Description of ingredient
I 010			
EGG		20S	

## ■ GLU/PBLU report

### • Sample X report

<b>08/26/2000</b>		123456
#1596	11:03PM	
#0180 *X1*		
GLU		
1002#	1- 9000	
COVER CT	2Q	0001
***PBAL		\$25.00
1003#	3Q	0001
COVER CT		
***PBAL		\$37.36
9000T		0002
COVER CT	2Q	
***PBAL		\$30.65
FREE GLU		
1012#		
COVER CT	2Q	
***PBAL		\$0.02
***TOTAL		
COVER CT	14Q	
***PBAL		\$96.98

Range  
Table#/PBLU code  
Server code  
Cover counter  
Balance amount

"T": This table#/PBLU code was used in the training mode.

Free table#/PBLU code  
(This number or code has been transferred out.)

Total

### • Sample Z report

<b>08/26/2000</b>		123456
#1600	11:06PM	
#0180 *Z1*		
GLU		
GLU Z1		0001

↓  
The subsequent printout occurs  
in the same format as in the  
sample X report.

## ■ GLU/PBLU report by server

### • Sample X report

<b>08/26/2000</b>		123456
#1597	11:03PM	
#0181 *X1*		
GLU BY SERVER		
SRV#0001	JACK	
1002#		
COVER CT	2Q	
***PBAL		\$25.00
FREE GLU		
1012#		
COVER CT	2Q	
***PBAL		\$0.02
***TOTAL		
COVER CT	14Q	
***PBAL		\$96.98

Server code  
Server name  
Table#/PBLU code  
Cover counter  
Balance amount

### • Sample Z report

<b>08/26/2000</b>		123456
#1601	11:06PM	
#0181 *Z1*		
GLU BY SERVER		
GLU Z1		0002

↓  
The subsequent printout occurs  
in the same format as in the  
sample X report.

## ■ Closed GLU/PBLU report

### • Sample X report

<b>08/26/2000</b>		123456
#1599	11:04PM	
#0182 *X1*		
CLOSED GLU		
0010#	0001-9000	Bill no.
TBL #1000	0001	Bill range
COVER CT	2Q	Server code
CHARGE1	\$65.23	Table#
TIP AMT	\$0.00	Cover counter
FIN. BAL	\$65.23	Amount
0011#	0001	Tip amount by tip edit
TBL #1000		Final balance amount
COVER CT	1Q	
CHARGE2	\$23.65	
TIP AMT	\$0.00	
FIN. BAL	\$23.65	
0012#	0001	
TBL #1001		
COVER CT	2Q	
CASH	\$50.00	

FIN. BAL	\$23.61
***TOTAL	
COVER CT	15Q
CASH	1Q
CHK/CG	2Q
CHECK1	1Q
CHECK4	1Q
CHARGE1	1Q
CHARGE2	1Q
CHARGE8	1Q
CONV 1	1Q
TIP AMT	0Q
FIN. BAL	7Q
	\$236.39

Total

### • Sample Z report

<b>08/26/2000</b>		123456
#1608	11:50PM	
#0182 *Z1*		
CLOSED GLU		
GLU Z1		0005

↓

The subsequent printout occurs in the same format as in the sample X report.

■ Closed GLU/PBLU report by server

• Sample X report

08/26/2000 123456			
#1601 11:06PM			
#0183 *X1*			
CL-GLU BY SERVER			
SRV#0001	JACK		Server code
0010#			Server name
TBL#1000			Bill no.
COVER CT	2Q		Table#
CHARGE1		\$65.23	Cover counter
TIP AMT		\$0.00	Amount
FIN. BAL		\$65.23	Tip amount by tip edit
0011#			Final balance amount
TBL#1000			
COVER CT	1Q		
CHARGE2		\$23.65	
FIN. BAL \$23.65			
***TOTAL			
COVER CT	12Q		
CASH	1Q	\$50.00	
CHK/CG	1Q	\$3.40	
CHECK1	1Q	\$30.00	
CHARGE1	1Q	\$65.23	
CHARGE2	1Q	\$23.65	
CHARGE8	1Q	\$23.65	
CONV 1	1Q	14.35	
TIP AMT	0Q	\$0.00	
FIN. BAL	6Q	\$212.78	Total

• Sample Z report

08/26/2000 123456		
#1609 11:51PM		
#0183 *Z1*		
CL-GLU BY SERVER		
GLU Z1		0006

↓  
The subsequent printout occurs  
in the same format as in the  
sample X report.



## ■ Drive-through report

### • Sample X report

08/26/2000		123456
#1602	11:17PM	
#0185 *X1*		
DRIVE THRU		
2000#	1- 9000	0001
COVER CT	2Q	
***PBAL2		\$12.35
2001#	2Q	0001
COVER CT		
***PBAL2		\$8.50
3000T 0002		
COVER CT	1Q	
***PBAL2		\$12.36
***TOTAL 0002		
COVER CT	12Q	
***PBAL2		\$75.75

Drive-through code

Range

Server code

Cover counter

Balance amount

Training mode transaction

Total

### • Sample Z report

08/26/2000		123456
#1613	11:51PM	
#0185 *Z1*		
DRIVE THRU		
DRIVE THRU Z1		0001

The subsequent printout occurs in the same format as in the sample X report.

## ■ Drive-through report by server

### • Sample X report

08/26/2000		123456
#1603	11:17PM	
#0186 *X1*		
D-THRU BY SERVER		
SRV#0001	JACK	
2000#		
COVER CT	2Q	
***PBAL2		\$12.35
2001#	2Q	
COVER CT		
***PBAL2		\$8.50
2050# 3Q		
COVER CT		
***PBAL2		\$14.83
***TOTAL 10Q		
COVER CT		
***PBAL2		\$58.84

Server code

Server name

Drive-through code

Cover counter

Balance amount

Total

### • Sample Z report

08/26/2000		123456
#1614	11:51PM	
#0186 *Z1*		
D-THRU BY SERVER		
DRIVE THRU Z1		0002

The subsequent printout occurs in the same format as in the sample X report.

■ Closed drive-through report

• Sample X report

<b>08/26/2000</b>		123456
#1606	11:21PM	JACK0001
#0187 *X1*		
CLOSED D-THRU		
0019#	0001-9000	Bill no.
	<b>0001</b>	Bill range
<b>CAR#2000</b>		Server code
COVER CT	1Q	Drive-thru code
<b>CASH</b>		Cover counter
	\$25.31	
<b>FIN. BAL</b>	\$25.31	Final balance amount
0020#	<b>0001</b>	
<b>CAR#2000</b>		
COVER CT	1Q	
<b>CHARGE1</b>		\$12.30
<b>FIN. BAL</b>		\$12.30
0021#	<b>0001</b>	
<b>CAR#2002</b>		
COVER CT	1Q	

<b>FIN. BAL</b>		<b>\$36.10</b>	
***TOTAL			
COVER CT	18Q		Total
<b>CASH</b>	4Q	\$84.45	
<b>CHK/CG</b>	3Q	\$22.14	
<b>CHECK1</b>	1Q	\$10.00	
<b>CHECK2</b>	1Q	\$50.00	
<b>CHECK4</b>	1Q	\$30.00	
<b>CHARGE1</b>	1Q	\$12.30	
<b>CHARGE2</b>	1Q	\$13.65	
<b>CHARGE8</b>	1Q	\$11.23	
<b>FIN. BAL</b>	10Q	\$189.49	

• Sample Z report

<b>08/26/2000</b>		123456
#1615	11:53PM	
#0187 *Z1*		
CLOSED D-THRU		
DRIVE THRU Z1		0003

↓  
The subsequent printout occurs in the same format as in the sample X report.

## ■ Closed drive-through report by server

### • Sample X report

<b>08/26/2000</b> 123456		
#1607	11:21PM	
#0188 *X1*		
CL-DT BY SERVER		
SRV#0001	JACK	Server code
0019#		Server name
CAR#2000		Bill no.
COVER CT	1Q	Drive-thru code
CASH		Cover counter
FIN. BAL	\$25.31	Amount
	\$25.31	Final balance amount

FIN. BAL	\$36.10
***TOTAL	
COVER CT	16Q
CASH	3Q
CHK/CG	3Q
CHECK1	1Q
CHECK2	1Q
CHECK4	1Q
CHARGE1	1Q
CHARGE2	1Q
CHARGE8	1Q
FIN. BAL	9Q
	\$165.86

Total

### • Sample Z report

<b>08/26/2000</b> 123456		
#1616	11:53PM	
#0188 *Z1*		
CL-DT BY SERVER		
DRIVE THRU Z1		0004

↓  
The subsequent printout occurs in the same format as in the sample X report.

## ■ Service time report

<b>08/26/2000</b> 123456		
#0085	1:19PM	JACK0001
#0189 *X1*		
SERVICE TIME		
10:00AM	3Q	146:07
AVE.		48:42
11:00AM	2Q	17:33
AVE.		8:47
12:00PM	3Q	32:48
AVE.		10:56

Transaction counter  
Total time  
Service average per hour

### NOTE

For the calculation of service time for GLU/PBLU, the period from the time when the **SRVC** key is pressed to the time of the payment is completed is subjected for the calculation. For the calculation of service time for Drive-through, the period from the time when the **SRVC** key is pressed to the time when the **DRV PBAL** is pressed is subjected for the calculation.

## ■ X1/Z1 stacked reports

You can print multiple X1/Z1 reports in sequence under a single report job number. In this case, you need to program in advance which X1/Z1 reports should be printed. Refer to "Stacked report" under the section "Report Programming" in Chapter 13.

# Periodic Consolidation

Your POS terminal allows you to take consolidation X and Z reports of a chosen period (the period is usually one week or month).

- **General overview**

The periodic reading or resetting reports are the same in format as those in the X1/Z1 report for daily sales information except report no. (#02XX) and mode indication ("X2" or "Z2").

## ■ Transaction report

- **Sample X report**

<b>08/26/2000</b>	123456
#1624 10:22PM	JACK0001
#0230 *X2*	Read symbol
TRANSACTION	Report title

- **Sample Z report**

<b>08/26/2000</b>	123456
#1625 10:22PM	JACK0001
#0230 *Z2*	Reset symbol
TRANSACTION	Report title
TRANSACTION Z1	0003
TRANSACTION Z2	0001
GT 1	\$00000008577.53
GT 2	\$00000013835.64
GT 3	-00000005258.11
TR	\$00000000135.37
	Reset counter of periodic consolidation
	Grand totals

The subsequent printouts are the same in format as those in the X/Z report on daily totals.

## ■ Daily net report

### • Sample X report

<b>09/30/2000</b>			000000
#1652	10:38PM	JACK0001	
<b>#0270 *X2*</b>			
DAILY NET			
09/01	53Q	\$1732.00	
09/02	64Q	\$2146.00	
09/03	58Q	\$1384.53	
09/29	61Q	\$2163.50	
09/30	59Q	\$1935.31	
***TOTAL	1298Q	\$47761.34	

Date  
Transaction counter  
Sales total

### • Sample Z report

<b>09/30/2000</b>			000000
#1716	10:58PM	JACK0001	
<b>#0270 *Z2*</b>			
DAILY NET			
DAILY NET Z2			0007

↓  
The subsequent printout occurs  
in the same format as in the  
sample X report.

■ Employee sales report (detailed)

• Sample X report

09/30/2000			000000
#1672	1:46PM	JACK0001	
#0258 *X2*			
EMPLOYEE SALES			
#0000000011 - #0000000020			
#0000000011	2Q	SAM	\$54.48
CHARGE			\$54.48
#0000000012	1Q	MIKE	\$20.00
CHARGE			\$20.00
#0000000013	3Q	MARY	\$48.25
CHARGE			\$48.25
#0000000020	1Q	JIM	\$19.98
CHARGE			\$19.98
SUBTOTAL	7Q		\$142.71
CHARGE			\$142.71
***TOTAL	7Q		\$142.71
CHARGE			\$142.71

Employee code  
Range  
Employee name  
Sales total  
Charged amount  
Transaction counter

• Sample Z report

09/30/2000			000000
#1673	1:47PM	JACK0001	
#0258 *Z2*			
EMP. SALE (DETAIL)			



The subsequent printout occurs in the same format as in the sample X report.

■ Employee sales report (full)

• Sample Z report

09/30/2000			000000
#1674	1:49PM	JACK0001	
#0259 *Z2*			
EMP. SALE (ALL CL)			



The subsequent printouts are the same in format as those in the detailed report.

## ■ Employee summary report

- Sample X report

<b>09/30/2000</b>		000000
#1710	9:16PM	JACK0001
<b>#0265 *X2*</b>		
EMPLOYEE SUMMARY		
#0000000011 - #0000000022		
#0000000011	SAM	
TTL HOUR	8:27H	Total working hour
OVR TIME	1:27H	Total overtime
TTL COST	\$63.37	Total labor cost
#0000000012	MIKE	
TTL HOUR	9:02H	

OVR TIME	3:46H
TTL COST	\$80.64
-----	
TTL HOUR	37:15H
OVR TIME	9:15H
TTL COST	\$285.29

- Sample Z report

<b>09/30/2000</b>		000000
#1712	9:17PM	JACK0001
<b>#0265 *Z2*</b>		
EMPLOYEE SUMMARY		



The subsequent printout occurs in the same format as in the sample X report.

■ Payment period report

• Sample X report

<b>08/15/2000</b>		123456
#1281	10:06PM	JACK0001
<b>#0266 *X2*</b>		
PAY PERIOD		
#0000000011 - #0000000012		
#0000000011 SAM		
<b>08/02/2000</b>		
TIME-IN	10:12AM	#03WED
BRK-IN	1:50PM	
BRK-OUT	2:38PM	#03WED
TIME-OUT	6:35PM	
LOC#03		WED
***TOTAL	7:35H	
L. COST	\$55.30	
TTL HOUR	7:35H	
OVR TIME	1:35H	
TTL COST	\$55.30	
<b>08/03/2000</b>		
TIME-IN	10:25AM	#04THU
BRK-IN	2:03PM	
BRK-OUT	2:50PM	#04THU

TTL HOUR	31:05H
OVR TIME	10:33H
TTL COST	\$125.77
-----	
LOC#01	MON
***TOTAL	20:59H
L. COST	\$164.63
LOC#02	TUE
***TOTAL	3:27H
L. COST	\$0.30
LOC#03	WED
***TOTAL	11:32H
L. COST	\$84.61
LOC#04	THU
***TOTAL	16:25H
L. COST	\$1.22
LOC#05	FRI
***TOTAL	13:20H
L. COST	\$0.95
TTL HOUR	65:43H
OVR TIME	24:39H
TTL COST	\$251.71

Employee code  
Range

Location no. & text  
Total working time of the day per location  
Labor cost of the day per location  
Total working time of the day  
Overtime hour of the day  
Total cost of the day

Total per location

Total

• Sample Z report

<b>08/15/2000</b>		123456
#1295	10:10PM	JACK0001
<b>#0266 *Z2*</b>		
PAY PERIOD		



The subsequent printout occurs in the same format as in the sample X report.



## ■ Payment period summary report

### • Sample X report

<b>08/15/2000</b>	123456
#1282 10:06PM	JACK0001
#0267 *X2*	
PAY PERIOD SUM.	
<div> <div>#0000000011 - #0000000012</div> <div>#0000000011</div> <div>SAM</div> </div>	
<b>08/02/2000</b>	
TTL HOUR	7:35H
OVR TIME	1:35H
TTL COST	\$55.30
<b>08/03/2000</b>	
TTL HOUR	8:13H
OVR TIME	2:13H
TTL COST	\$0.61
<b>08/04/2000</b>	
TTL HOUR	6:43H
<div> <div>TTL COST</div> <div><b>08/15/2000</b></div> <div>TTL HOUR</div> <div>OVR TIME</div> <div>TTL COST</div> <div>TTL HOUR</div> <div>OVR TIME</div> <div>TTL COST</div> <div>-----</div> <div>TTL HOUR</div> <div>OVR TIME</div> <div>TTL COST</div> </div>	
	\$72.75
	0:00H
	0:00H
	\$0.00
	31:05H
	10:33H
	\$125.77
	65:43H
	24:39H
	\$251.71

Employee code

Range

### • Sample Z report

<b>08/15/2000</b>	123456
#1296 10:10PM	JACK0001
#0267 *Z2*	
PAY PERIOD SUM.	



The subsequent printout occurs in the same format as in the sample X report.

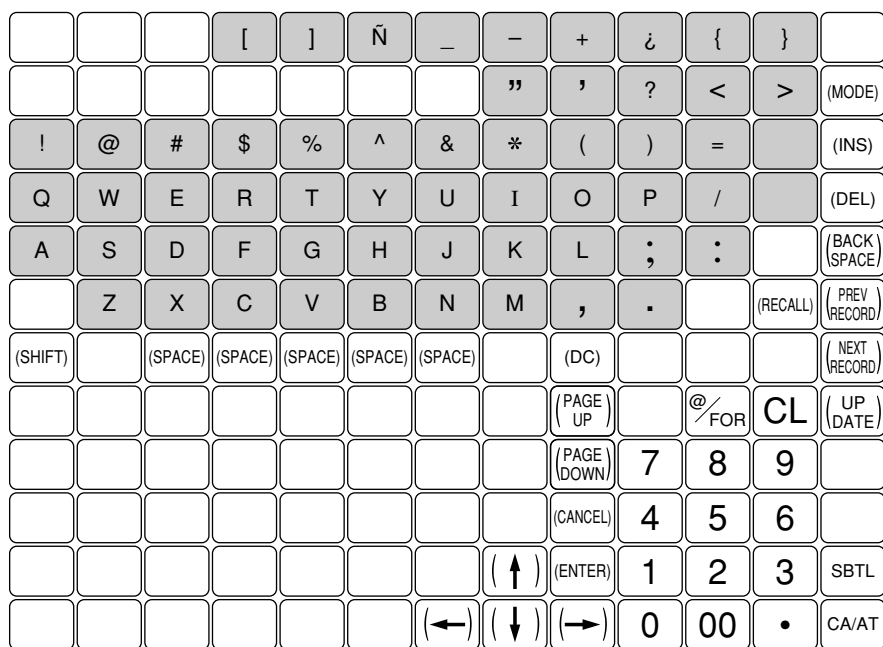
## ■ X2/Z2 stacked report

You can print multiple X2/Z2 reports in sequence under a single report job number. In this case you need to program in advance which X2/Z2 reports should be printed. Refer to “Stacked report” under the section “Report Programming” in Chapter 13.

# How to Use the Programming Keyboard Sheet

The programming keyboard sheet is used for programming in the PGM 1 or 2 mode. This sheet is transparent. Place the sheet over the standard keyboard sheet or blank keyboard sheet when programming.

## Programming Keyboard Layout



: The shaded area contains the character keys which are used for programming characters.

(SHIFT)  
 (DC)  
 (INS)  
 (DEL)  
 (BACK SPACE)

Used for programming characters. For more information about programming characters, see the section "How to Program Alphanumeric Characters."

→ ←  
 ↑ ↓

Used to move the cursor.










(ENTER) : Used to program each setting.

(CA/AT) : Used to finalize programming.

(CANCEL) : Used to cancel programming and to get back to the previous screen.

(MODE) : Used for changing the operating mode.

(PREV RECORD) : Used to go back to the previous record, e.g., from the department 2 programming window back to the department 1 programming window.

-  : Used to go to the next record, for example, in order to program unit prices for sequential departments.
-  : Used to scroll the window to go to the next page.
-  : Used to scroll the window to go back to the previous page.
-  : Used to clear the last setting you have programmed or clear the error state.
-  : Used to toggle between two or more options.
-  : Used to list those options which you can toggle by the  key.
-  : Used to call up a desired code.
-  : Used to update PLU unit price or name.

Numeric keys: Used for entering figures.

For more information about using these keys, see the “Basic Instructions” section in Chapter 13 “Programming.”

## How to Program Alphanumeric Characters

This section discusses how to program alphanumeric characters such as “DESCRIPTION,” “NAME” and “TEXT.”


### ■ Using character keys on the keyboard

#### Entering alphanumeric characters


To enter a character, simply press a corresponding character on the programming keyboard sheet.

To enter a digit, simply press a corresponding numeric key.

#### Entering double-size characters

-  : This key toggles the double-size character mode and the normal-size character mode. The default is the normal-size character mode. When the double-size character mode is selected, the letter “W” appears at the bottom of the display.


#### Entering upper-case letters

-  : You can enter an upper-case letter by using this key. Press this key just before you enter the upper-case letter. You should press this key each time you enter an upper-case letter.


#### Editing text

You can edit the text you have entered by deleting and/or inserting characters.



#### To select a text editing mode

-  : Toggles between the insert mode (“\_”) and the overwrite mode (“■”).

#### To move the cursor

-  or  : Moves the cursor.

#### To delete a character or figure

-  : Deletes a character or figure in the cursor position.
-  : Backs up the cursor for deleting the character or figure at the left of the cursor. When your POS terminal is in the insert mode, this key deletes the character or the value at the cursor position.

## ■ Entering character codes

Numerals, letters and symbols are programmable by pressing the 00 key and character codes. Use the following procedure with the cursor placed at the position where you want to enter characters:

00 → XXX    XXX: Character code (3 digits)

Character  
code:

	032	033	034	035	036	037	038	039	040	041	042	043	044	045	046	047
032 - 047		!	"	#	\$	%	&	'	(	)	*	+	,	-	.	/
	048	049	050	051	052	053	054	055	056	057	058	059	060	061	062	063
048 - 063	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
	064	065	066	067	068	069	070	071	072	073	074	075	076	077	078	079
064 - 079	P	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	080	081	082	083	084	085	086	087	088	089	090	091	092	093	094	095
080 - 095	P	Q	R	S	T	U	V	W	X	Y	Z	[	\	]	^	_
	096	097	098	099	100	101	102	103	104	105	106	107	108	109	110	111
096 - 111	`	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127
112 - 127	p	q	r	s	t	u	v	w	x	y	z	{		}	~	Δ
	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
128 - 143	Ç	ü	é	â	ä	à	ã	ç	ê	ë	è	ï	î	ì	ñ	Å
	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
144 - 159	É	æ	Œ	ô	õ	ò	û	ù	ÿ	ö	ü	¢	£	¥	℞	ƒ
	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175
160 - 175	á	í	ó	ú	ñ	Ñ	º	º	¿	¡	¬	½	¼	¿	«	»
	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191
176 - 191	⋮	⋮	⋮													
	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207
192 - 207	L	L	T	T	-	+	+							=		
	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223
208 - 223		T														
	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239
224 - 239	α	β	Γ	π	Σ	σ	μ	τ	θ	θ	Ω	δ	ω	φ	€	Π
	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255
240 - 255	≡	±	≥	≤	Γ	J	÷	≈	°	.	-	√	∞	z	■	(DC)

\*(DC) : Double-size character code

# 13

## Programming

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

UNIT PRICE MODE
PGM1 MODE
PGM2 MODE
AUTO KEY MODE

### Basic Instructions

This section illustrates the basic programming by using an example of programming for departments.

#### Procedure

PGM2 MODE 9:01AM PGM2

1 READING
2 SETTING
3 DATA CLEAR
4 OPEN STORE
5 CLOSE STORE
6 KP READING
7 KP SETTING
8 ONLINE READING
9 ONLINE SETTING
10 CUM READING
11 CUM SETTING

(ENTER) ↓ ↑ (CANCEL)

SETTING 9:02AM PGM2

1 ARTICLE
2 DIRECT KEY
3 PLU MENU KEY
4 FUNCTION
5 MEDIA
6 TEXT
7 PERSONNEL
8 TERMINAL
9 DATE/TIME
10 OPTIONAL
11 SECRET CODE

(ENTER) ↓ ↑ (CANCEL)

ARTICLE 9:03AM PGM2

1 DEPT
2 PLU
3 PLU RANGE
4 PLU STOCK
5 INGREDIENT
6 INGREDIENT STOCK
7 LINK PLU TABLE
8 CONDIMENT TABLE
9 MIX&MATCH TABLE
10 RECIPE TABLE
11 COMBO MEAL TBL

(ENTER) ↓ ↑ (CANCEL)

#### Programming example

The following example shows how to program \$2.00 for the unit price, "ABCDE" for the description, and the scale entry to be enabled for department 1.

1. In the PGM2 MODE window, select "2 SETTING" by using the or key and press the key.
  - The SETTING window will appear.

#### NOTE

- You can also select "2 SETTING" by pressing the and .
- If you return to the previous screen, press the .

2. Select "1 ARTICLE."

- The ARTICLE window will appear.

#### NOTE

The arrow mark in the upper-right corner of the window shows that the window contains more options than are now on the screen. To scroll the window, press the .

To return to the previous page, press the .

3. Select "1 DEPT."

- The DEPT window will appear, listing programmable departments.

9:04AM PGM2

DEPT
01 DPT.01
02 DPT.02
03 DPT.03
04 DPT.04
05 DPT.05
06 DPT.06
07 DPT.07
08 DPT.08
09 DPT.09
10 DPT.10

(ENTER) ↓ ↑ (CANCEL)

9 11AM PGM2

01	
PRICE	200_
SIGN	+
DESCRIPTION	DPT.01
TARE TABLE No.	0
SCALE	INHIBIT
DEPT. TYPE	NORMAL
AMT. ENTRY TYPE	OPEN
TAXABLE 1	NO
TAXABLE 2	NO
TAXABLE 3	NO
TAXABLE 4	NO

↓ ↑

9 06AM PGM2

01	
PRICE	2.00
SIGN	+
DESCRIPTION	DPT.01
TARE TABLE No.	0
SCALE	INHIBIT
DEPT. TYPE	NORMAL
AMT. ENTRY TYPE	OPEN
TAXABLE 1	NO
TAXABLE 2	NO
TAXABLE 3	NO
TAXABLE 4	NO

a

↓ ↑

9 21AM PGM2

01	
PRICE	2.00
SIGN	+
DESCRIPTION	DPT.01
TARE TABLE No.	0
SCALE	ENABLE
DEPT. TYPE	NORMAL
AMT. ENTRY TYPE	OPEN
TAXABLE 1	NO
TAXABLE 2	NO
TAXABLE 3	NO
TAXABLE 4	NO

#### 4. Select "01" to program for department 1.

- The "01" window will appear.

#### 5. On the first page of the "01" window, program the unit price and description as follows:

##### NOTE

*There are three entry patterns for the programming: the numeric entry, character entry, and selective entry.*

- Move the cursor to "PRICE," enter "200" by using numeric keys, then press the (ENTER) key. → **Numeric entry**
- Move the cursor to "DESCRIPTION," enter "ABCDE" by using character keys, then press the (ENTER) key. → **Character entry**

If you want to clear the setting, press the (CL) key before you press the (ENTER) key.

#### 6. On the first page of the "01" window, program the machine to enable the scale entry as follows:

- Move the cursor to "SCALE," press the (•) key until "ENABLE" appears, then press the (ENTER) key. → **Selective entry**

##### NOTE

*The (•) key toggles between three options as follows:*

*INHIBIT → ENABLE → COMPULSORY → INHIBIT → ....*

*Pressing the (SBTL) key displays all pertinent options.*

#### 7. Select one of the following actions:

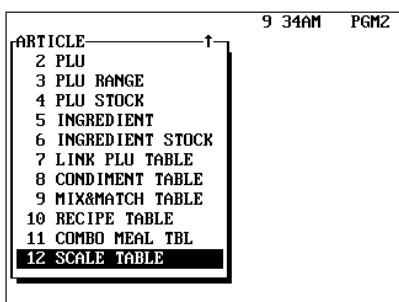
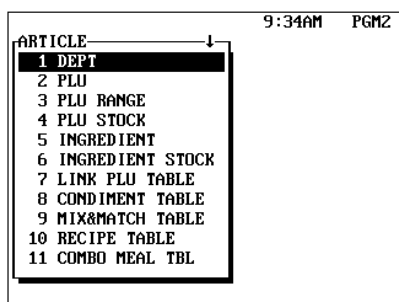
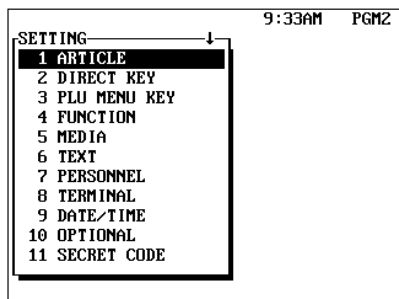
- To cancel the programming, press the (CANCEL) key. Select "YES" in the "ARE YOU SURE ?" window.
- To finalize the programming, press the (CA/AT) key, then press the (CANCEL) key. You will return to the "DEPT" window.
- To program for the following department, press the (NEXT RECORD) key. The "02" window will appear. To return to the "01" window, press the (PREV RECORD) key.

The following sections describe how to program each item which is contained in a programming group.

# Article Programming

Use the following procedure to select any option included in the article programming group.

## Procedure



## 1. In the SETTING window, select "1 ARTICLE."

- The ARTICLE window will appear.

## 2. Select any option from the following options list:

1 DEPT:	Departments
2 PLU:	PLUs
3 PLU RANGE:	A range of PLUs
4 PLU STOCK:	PLU stock quantity
5 INGREDIENT:	Ingredients of PLUs
6 INGREDIENT STOCK:	Ingredient stock quantity
7 LINK PLU TABLE:	Link PLU table
8 CONDIMENT TABLE:	Condiment table
9 MIX&MATCH TABLE:	Mix & match table
10 RECIPE TABLE:	Recipe table
11 COMBO MEAL TABLE:	Combo meal table
12 SCALE TABLE:	Scale table

The following illustration shows those options included in the article programming group.

1 ARTICLE	1 DEPT
	2 PLU
	3 PLU RANGE
	4 PLU STOCK
	5 INGREDIENT
	6 INGREDIENT STOCK
	7 LINK PLU TABLE
	8 CONDIMENT TABLE
	9 MIX&MATCH TABLE
	10 RECIPE TABLE
	11 COMBO MEAL TABLE
	12 SCALE TABLE

- ➔ See "Department" on page [94](#).
- ➔ See "PLU" on page [96](#).
- ➔ See "PLU range" on page [99](#).
- ➔ See "PLU stock" on page [100](#).
- ➔ See "Ingredient" on page [101](#).
- ➔ See "Ingredient stock" on page [102](#).
- ➔ See "Link PLU table" on page [103](#).
- ➔ See "Condiment table" on page [104](#).
- ➔ See "Mix & Match table" on page [105](#).
- ➔ See "Recipe table" on page [106](#).
- ➔ See "Combo meal table" on page [107](#).
- ➔ See "Scale table" on page [108](#).

## ■ Department

Your machine is equipped with 10 standard departments.  
Use the following procedure to program for departments.

### Procedure

Select a pertinent dept. no. from the departments list.

9:36AM PGM2

01	PRICE	0.00
	SIGN	+
	DESCRIPTION	DPT. 1
	TARE TABLE No.	0
	SCALE	INHIBIT
	DEPT. TYPE	NORMAL
	AMT. ENTRY TYPE	OPEN
	TAXABLE 1	NO
	TAXABLE 2	NO
	TAXABLE 3	NO
	TAXABLE 4	NO

9:36AM PGM2

01	TAXABLE 4	NO
	HALO	17
	LALO	10
	SERVER Gr. No.	0
	GROUP No.	0
	MODIFIED OUTPUT	NO
	OUTPUT KP No.1	0
	OUTPUT KP No.2	0
	OUTPUT KP No.3	0
	CHIT RECEIPT	NO
	CUM CTRL CHAR.	000

Program each item as follows:

#### NOTE

For more information about the entry patterns, see the "Basic Instructions" section.

#### • PRICE (Use the numeric entry)

Unit price (max. 6 digits)

#### NOTE

When the zero-value department entry (unit price "0") is made, a text of the department is only displayed/printed.

#### • SIGN (Use the selective entry)

- +: Assigns a plus sign to departments for normal sales transactions.
- : Assigns a minus sign for minus transactions.

#### • DESCRIPTION (Use the character entry)

Description for a department. Up to 16 characters can be entered.

#### • TARE TABLE No. (Use the numeric entry)

Tare table number associated with scale entry (1 thru 9).

#### • SCALE (Use the selective entry)

- INHIBIT: Inhibits a scale entry.
- COMPULSORY: Makes a scale entry compulsory.
- ENABLE: Enables a scale entry.

#### • DEPT. TYPE (Use the selective entry)

Department type selection

HASH: Hash department

NORMAL: Normal department

- A hash department is used to enter the amount of a special "sale," such as a gift certificate, etc. Any amounts entered in this department are not added to the grand total exclusive of tax amounts.

#### • AMT. ENTRY TYPE (Use the selective entry)

Type of unit price entry for departments

OPEN & PRESET: Open & preset

PRESET: Preset only

OPEN: Open only

INHIBIT: Inhibited



## ■ Department (continued)

- **TAXABLE 1 thru 4 (Use the selective entry)**

Tax status

NO : Non-taxable

YES : Taxable

- When an entry of a taxable department is made in a transaction, tax is automatically computed according to the associated tax table or rate.

- **HALO (Use the numeric entry)**

- You can set an upper limit amount (HALO) for each department. The limit is effective for the REG-mode operations and can be overridden in the MGR mode.

- AB is the same as  $A \times 10^B$

A: Significant digit for HALO (1 thru 9)

B: Number of zeros to follow the significant digit for HALO (0 thru 7)

- **LALO (Use the numeric entry)**

- You can set a lower limit amount (LALO). The limit is effective for the REG-mode operations and can be overridden in the MGR mode.

- AB is the same as  $A \times 10^B$

A: Significant digit for LALO (1 thru 9)

B: Number of zeros to follow the significant digit for LALO (0 thru 7)

- **SERVER Gr. No. (Use the numeric entry)**

Server group number (0 thru 9)

Every department can be assigned to any of the server department groups. The sales total of each department group is printed on the server group.

- **GROUP No. (Use the numeric entry)**

Group number (0 thru 9)

You can assign departments to a maximum of nine groups. This programming enables you to take group sales reports.

- **MODIFIED OUTPUT (Use the selective entry)**

NO : Disables output to network remote printers.

YES : Enables output to network remote printers. Modified to follow a previous item.

- **OUTPUT KP No. 1 thru 3 (Use the numeric entry)**

ID number of the network remote printer 1, 2 or 3 (1 thru 9)

If the number "0" is entered, no remote printer will operate.

- **CHIT RECEIPT (Use the selective entry)**

YES : Prints the department sales information on the chit receipt in the remote printer format.

NO : Prints nothing on the chit receipt.

- **CVM CTRL CHAR. (Use the numeric entry)**

CVM (Color Video Monitor) control character (0 thru 255)

- This programming enables you to assign each department with a number that can be used as a CVM control character. This number is converted to a two-digit character code that is transmitted for use with a CVM device.

## ■ PLU

### Procedure

Select a pertinent PLU no. from the PLUs list.

9:40AM PGM2

000001

ASSOCIATED DEPT.	01
SIGN	+
PRICE 1	0.01
NAME FOR PRICE1	PL000001
KP TEXT PRICE1	PL000001
AMT. ENTRY TYPE	PRESET
BASE QTY	0
MINIMUM STOCK	0
PRICE SHIFT	ENABLE
ZERO PRICE OF P1	ALLOWED
CP OBJECT PLU	000000

9 42AM PGM2

000001

MENU TYPE	NORMAL
LINK TBL#	00
MIX&MATCH TBL#	00
CONDIMENT TBL#	01
RECIPE TBL#1	000
TARE TBL#	0
CONDIMENT TYPE	NO
CONDIMENT ENTRY	NON-COMPULSORY
SCALE	INHIBIT
TAXABLE 1	NO
TAXABLE 2	NO

9 42AM PGM2

000001

TAXABLE 3	NO
TAXABLE 4	NO
HOURLY Gr.#1	0
HOURLY Gr.#2	0
HOURLY Gr.#3	0
GROUP1	00
GROUP2	00
GROUP3	00
PRIORITY GROUP	0
MODIFIED OUTPUT	NO
OUTPUT KP No.1	0

Program each item as follows:

#### • ASSOCIATED DEPT. (Use the numeric entry)

Department number to be associated with the entered PLU (01 through 50)

When a PLU is associated with a department, the following functions of the PLU depend on the programming for the department.

- Type (Hash/normal)
- HALO (only for subdepartments)

#### • SIGN (Use the selective entry)

+: Plus PLU/subdepartment

–: Minus PLU/subdepartment

The function of every PLU/subdepartment varies according to the combination of its sign and the sign of its associated department as follows:

Department: +  
PLU/subdept.: + } Serves as a normal plus PLU/subdepartment

Department: –  
PLU/subdept.: – } Serves as a normal minus PLU/subdepartment

Department: +  
PLU/subdept.: – } Accepts store coupon entries

Department: –  
PLU/subdept.: + } Not valid; not accepted

#### • \*PRICE 1 thru 5 (Use the numeric entry)

Unit price of each price level (max. 6 digits).

#### • \*NAME FOR PRICE 1 thru 5 (Use the character entry)

Name for each price level (max. 8 characters). Up to 16 characters can be entered (ex: SMALL, MEDIUM, LARGE, etc.).

#### • \*KP TEXT PRICE 1 thru 5 (Use the character entry)

Description of text for kitchen printer for each price level. Up to 12 characters can be entered.

### NOTE

\* On the sample screen, the price level 1 setting only is shown. Depending on the default settings, you may see the price level 1 through 5 settings on the screen. Please consult your authorized SHARP dealer for more details.

## ■ PLU (continued)

↓

		9 43AM	PGM2
000001			↑
GROUP1		00	
GROUP2		00	
GROUP3		00	
PRIORITY GROUP		0	
MODIFIED OUTPUT		NO	
OUTPUT KP No.1		0	
OUTPUT KP No.2		0	
OUTPUT KP No.3		0	
CHIT RECEIPT		NO	
CUM CTRL CHAR.		000	
REPEAT ROUND		NO	

- **AMT. ENTRY TYPE (Use the selective entry)**

Mode parameter

OPEN & PRESET: PLU/subdepartment mode

PRESET: PLU mode

OPEN: Subdepartment mode

INHIBIT: Inhibit mode

- **BASE QTY (Use the numeric entry)**

Base quantity for each PLU/subdepartment which is counted each time the item is entered. (max. 2 digits)

- **MINIMUM STOCK (Use the numeric entry)**

Minimum stock quantity for a PLU (max. 7 digits)

- **PRICE SHIFT (Use the selective entry)**

COMPULSORY: Makes PLU price level shift compulsory.

INHIBIT: Inhibits PLU price level shift.

ENABLE: Enables PLU price level shift.

### NOTE

When "COMPULSORY" is selected for a PLU, repeat entries of the PLU are inhibited.

- **\*ZERO PRICE OF P1 thru 5 (Use the selective entry)**

ALLOW: Allows a zero-price entry.

DISALLOW: Disallows a zero-price entry.

- **CP OBJECT PLU (Use the numeric entry)**

Select an object PLU number (max. 6 digits).

A coupon-like PLU is able to link to another PLU (object PLU).

By this programming, the associated coupon PLU cannot be entered unless the object PLU has been rung up.  
(However, the quantity is not affected.)

### NOTE

Any object PLU should not be programmed as a minus PLU or belong to any minus department.

- **MENU TYPE (Use the selective entry)**

PLU menu type selection

LINK: Link PLU

NORMAL: Normal PLU

- **LINK TBL# (Use the numeric entry)**

Table number for link PLUs (1 thru 99)

- **MIX&MATCH TBL# (Use the numeric entry)**

Table number for mix and match (1 thru 99)

- **CONDIMENT TBL# (Use the numeric entry)**

Table number for condiment entry (1 thru 99)

## ■ PLU (continued)

- **\*RECIPE TBL#1 thru 5 (Use the numeric entry)**  
Table number for recipes (1 thru 500)
- **TARE TBL# (Use the numeric entry)**  
Tare table number associated with scale entry (1 thru 9)
- **CONDIMENT TYPE (Use the selective entry)**  
YES : Condiment type  
NO : Non-condiment type
- **CONDIMENT ENTRY (Use the selective entry)**  
COMPULSORY: Makes a condiment entry compulsory.  
NON-COMPULSORY: Makes a condiment entry non-compulsory.
- **SCALE (Use the selective entry)**  
COMPULSORY: Makes a scale entry compulsory.  
ENABLE: Enables a scale entry.  
INHIBIT: Inhibits a scale entry.
- **TAXABLE 1 thru 4 (Use the selective entry)**  
YES : Makes the PLU taxable.  
NO : Makes the PLU non-taxable.
- **HOURLY Gr.#1 thru 3 (Use the numeric entry)**  
PLU group number to classify PLUs for PLU hourly group reports (1 thru 9)
- **GROUP 1 thru 3 (Use the numeric entry)**  
PLU group number (00 thru 99)
- **PRIORITY GROUP (Use the numeric entry)**  
PLU group which is to be given the highest priority to in printing on the remote printer (1 thru 9)
- **MODIFIED OUTPUT (Use the selective entry)**  
NO : Will not follow previous PLUs which has the remote printer assignment.  
YES : Will follow previous PLUs which has the remote printer assignment.
- **OUTPUT KP No.1 thru 3 (Use the numeric entry)**  
ID number of the network remote printer 1, 2 or 3 (1 thru 9)  
If the number "0" is entered, no remote printer will operate.
- **CHIT RECEIPT (Use the selective entry)**  
YES : Prints the PLU sales information on the chit receipt in the remote printer format.  
NO : Prints nothing on the chit receipt.
- **CVM CTRL CHAR. (Use the numeric entry)**  
CVM (Color Video Monitor) control character (0 thru 255)
- **REPEAT ROUND (Use the selective entry)**  
YES : Allows repeat round registration  
NO : Inhibits repeat round registration

# ■ PLU range

You can program the PLUs by a range as follows:

## Procedure

9 43AM PGM2

PLU RANGE

START000000

END000000

OPERATIONNEW&MAINTENANCE

9:43AM PGM2

000001-000020

ASSOCIATED DEPT.31

SIGN

PRICE 1

NAME FOR PRICE1

KP TEXT PRICE1

AMT.ENTRY TYPE

BASE QTY

MINIMUM STOCK

PRICE SHIFT

ZERO PRICE OF P1

CP OBJECT PLU

The screen continues in the same format as screens shown in section “■ PLU.”

Enter a value or select an option for each item as follows:

- **START (Use the numeric entry)**  
Starting PLU number (max. 6 digits)
- **END (Use the numeric entry)**  
Ending PLU number (max. 6 digits)
- **OPERATION (Use the selective entry)**
  - MAINTENANCE: Enables you to change the setting you have programmed.
  - NEW&MAINTENANCE: Enables you to change the current setting when the specified numbers have already been created or to create new numbers when the specified numbers have not been created yet.
  - DEL: Enables you to delete a specified range of PLUs.

# ■ PLU stock

You can assign a stock quantity to each PLU number.  
Shown below is an example of selecting “1 OVER WRITE.”

## Procedure

PLU STOCK

1 OVER WRITE

2 ADD

3 SUB

9:44AM PGM2



Select a pertinent PLU no. from the PLUs list.



000001

xCURRENT STOCK0

NEW STOCK0

9:46AM PGM2

After selecting “1 OVER WRITE,” select a pertinent PLU number.  
Then the next screen will appear to show the following items:

- **CURRENT STOCK**  
The current stock is displayed.
- **NEW STOCK (Use the numeric entry)**  
Enter a new stock quantity (max. 7 digits: 1 to 9999.999)

### NOTE

- *If you need to add or subtract a stock quantity to or from the current stock quantity, select “2 ADD” or “3 SUB” and enter a value to be added or subtracted.*
- *You cannot enter any values for the item marked with “x.”*
- *The entry of a new stock value will update to the PLU stock counter.*

## ■ Ingredient

You can program an ingredient table number, description and cost for the ingredient of each PLU. The ingredient table numbers can be assigned to each recipe table. The cost needs to be programmed to analyze the food cost of each item.

### Procedure

The screenshot shows a terminal window with the title 'INGREDIENT' and a status bar at the top right displaying '9 48AM PGM2'. Inside the window, there is a menu titled '--- NOTHING ---' with a cursor positioned at the beginning of the line.

Selected ingredient  
table no. →

ENTER

The screenshot shows a terminal window with the title '001' and a status bar at the top right displaying '9:49AM PGM2'. Inside the window, there is a menu titled 'DESCRIPTOR' and 'COST' with a cursor positioned at the end of the 'COST' line, which displays '0.00'. At the bottom right of the window, there is a small 'a' character.

Program each item as follows:

#### • INGREDIENT (Use the numeric entry)

Ingredient table number (1 thru 300)

#### NOTE

- When you create a new number, enter the number, then press the **ENTER** key.
- If the **DEL** key is pressed on the ingredient number selection menu, the ingredient in the cursor position will be deleted.

#### • DESCRIPTOR (Use the character entry)

Description for each ingredient. Up to 8 characters can be entered.

#### • COST (Use the numeric entry)

Cost for each ingredient (max. 6 digits: 1 thru 999999)

#### NOTE

Food cost is calculated by the following equations:

Food cost (PLU cost) =  $\sum$  (Ingredient cost x Usage q'ty)

Food cost% = (Sales q'ty x Food cost)/(Sales amount)

# ■ Ingredient stock

You can assign a stock quantity to each ingredient.  
Shown below is an example of selecting “2 ADD.”

## Procedure

9:52AM

PGM2

INGREDIENT STOCK

1 OVER WRITE

2 ADD

3 SUB



Selected ingredient  
table no. →



9:55AM

PGM2

001

xCURRENT STOCK 0

NEW STOCK 0

Program each item as follows:

- **CURRENT STOCK**  
The current stock is displayed.
- **ADD VALUE (Use the numeric entry)**  
Enter a value to be added (max. 7 digits: 1 thru 9999.999).

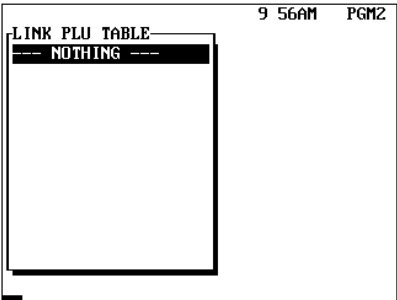
- NOTE**
- *If you need of overwrite or subtract a stock quantity to or from the current stock quantity, select “1 OVER WRITE” or “3 SUB” and enter a value to be overwritten or subtracted.*
  - *You cannot enter any values for the item marked with “x.”*



## ■ Link PLU table

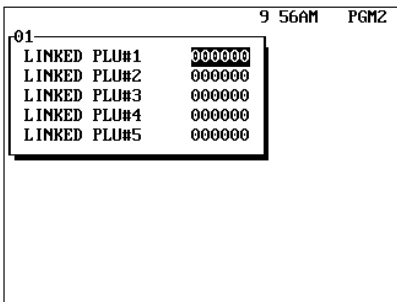
It is possible to link PLUs together so that all PLUs linked together are rung up upon a single key depression. However, the number of links is a maximum of five. Even if more than five PLUs are linked, the sixth or higher link is not actualized.

### Procedure



Selected link  
PLU table no.

→ [ENTER]



Program each item as follows:

- **LINK PLU TABLE (Use the numeric entry)**

Link PLU table number (1 thru 99)

- **LINKED PLU# (5 PLUs. max.)**

Select linked PLUs (max. 5 PLUs) from the list.

### NOTE

- *PLU numbers should be defined before programming a link PLU table.*
- *If the [DEL] key is pressed on the table number selection menu, the selected table will be deleted.*

Condiment table

The “condiment entry” is intended to guide the operator in making menu entries which require special cooking instructions. For example, a server can make such entries as “garnishing potato,” “with salad,” and “grilling steak rate.” When a server enters a menu-item PLU to which PLUs for the condiment entry have been assigned, these orders (such as “garnishing potato”) will be printed on the receipt and conveyed to the kitchen.

Before you program for the condiment entry, prepare a condiment table. The following shows an example of a condiment table:

Condiment table

Table number	PLU numbers for condiment entry (programmed text)					
01	22 (HOWCOOK?)	23 (RARE)	25 (MED.RARE)	27 (WELLDONE)	.....	02
02	41 (WITH?)	44 (SALAD)	45 (FRUITS)	.....		
.....	.....	.....	.....	.....	.....	.....
04	31 (POTATO?)	33 (P.CHIPS)	37 (MASHED.P)	38 (BAKED.P)		99
99	62 (DRINK?)	63 (TEA)	65 (MILK)	67 (A.JUICE)	.....	
	First PLU	Following PLUs (Up to 51)			Next condiment table number	

Condiment tables (Up to 99)

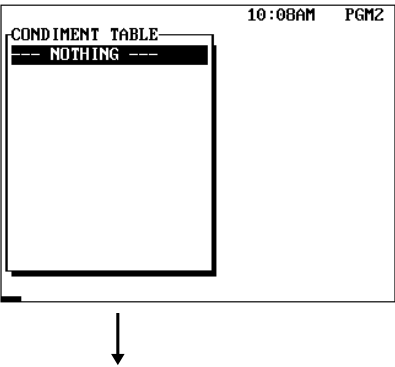
The condiment table should contain the following:

Condiment table: The condiment table is a group of condiment PLUs, which is assigned to each menu-item PLU. A table consists of a “First PLU” and “Following PLUs.” It can contain one “First PLU” and up to 51 “Following PLUs.” Also, you can assign the next condiment table number to a condiment table to link them.

The “First PLU” is used for displaying a prompting message. The “Following PLU” is used for the special order setting. For example, when a server enters a menu-item PLU, a display message programmed for the “First PLU,” such as “HOWCOOK?.” will appear. Then specify one of the “Following PLUs” programmed for text such as “RARE.”


Table number: The table number is intended to identify each condiment table.

Procedure



Program each item as follows:

- CONDIMENT TABLE (Use the numeric entry)  
Condiment table number (1 thru 99)
- REPEAT TIMES (Use the numeric entry)  
Repeat times (1 thru 9)  
When REPEAT TIMES is programmed as 2 thru 9, its table shows repeatedly until accomplishment of the programmed number of times, then next table will be shows.
- NEXT TABLE# (Use the numeric entry)  
Enter the next condiment table number (max. 2 digits).

Selected  
condiment table  
number → 

10 09AM PGM2


01

REPEAT TIMES	1
NEXT TABLE#	00
PLU#01	000000
PLU#02	000000
PLU#03	000000
PLU#04	000000
PLU#05	000000
PLU#06	000000
PLU#07	000000
PLU#08	000000
PLU#09	000000

#### • PLU#1-99 (Use the numeric key)

Select condiment PLUs contained in the table (max. 51 PLUs) from the list.

#### NOTE

- The description of the first PLU is used as the display prompt.
- PLU numbers should be defined before programming a condiment table.
- If the  key is pressed on the table number selection menu, the table in the cursor position will be deleted.


## ■ Mix & Match table

### Procedure

10 10AM PGM2

MIX&MATCH TABLE

--- NOTHING ---

Selected  
mix & match  
table number → 

10 10AM PGM2

01

BASE QTY	0
PRICE	0.00

Program each item as follows:

#### • MIX&MATCH TABLE (Use the numeric entry)

Mix & match table number (1 thru 99)


#### • BASE QTY (Use the numeric entry)

Base quantity for each mix & match table (max. 2 digits)

#### • PRICE (Use the numeric entry)

Unit price for each mix & match table (max. 7 digits)

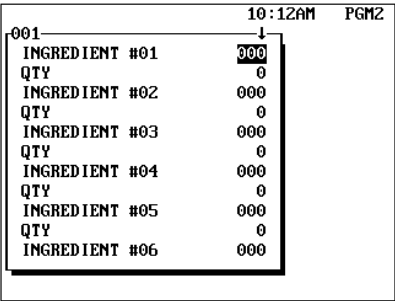
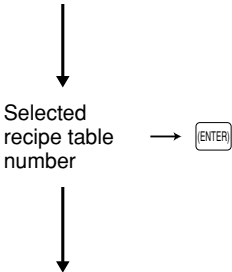
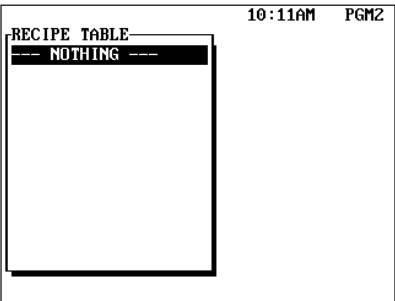
#### NOTE

- If the  key is pressed on the table number selection menu, the table in the cursor position will be deleted.

■ **Recipe table**

You can make a recipe table which contains up to twenty ingredients.

**Procedure**



Program each item as follows:

- **RECIPE TABLE (Use the numeric entry)**  
Recipe table number (1 thru 500)
- **INGREDIENT #1-20 (Use the numeric entry)**  
Select ingredient numbers (max. 20 ingredients).
- **QTY (Use the numeric entry)**  
Enter the quantity usage of each ingredient (max. 7 digits).

**NOTE**

- *Ingredient numbers should be defined before programming a recipe table.*
- *If the [DEL] key is pressed on the table number selection menu, the table in the cursor position will be deleted.*

## ■ Combo meal table

When two or more menu items, consisting of PLUs related to a special offered, are to be programmed together, the combo meal function should be specified. Up to 20 combo keys (tables) can be programmed. And each combo key can be associated with 9 PLUs (items).

### Procedure

Selected combo  
table no. →

ENTER

Program each item as follows

- **COMBO MEAL TBL (Use the numeric entry)**  
Combo meal table number (1 thru 20)
- **COMBO TITLE (Use the character entry)**  
Title of each combo meal table (max. 16 characters).
- **COMBO KP TEXT (Use the character entry)**  
Description of the kitchen printer for a combo key.  
Up to 12 characters can be entered.
- **CONDIMENT TBL# (Use the numeric entry)**  
Table number for condiment entry (1 thru 99)
- **CONDIMENT ENTRY (Use the selective entry)**  
COMPULSORY: Makes a condiment entry compulsory.  
NON-COMPULSORY: Makes a condiment entry non-compulsory.
- **PRIORITY GROUP (Use the numeric entry)**  
Combo group which is to be given the highest priority to in printing on the remote printer (1 thru 9).
- **MODIFIED OUTPUT (Use the selective entry)**  
NO : Will not follow previous PLUs which has the remote printer assignment.  
YES : Will follow previous PLUs which has the remote printer assignment.
- **OUTPUT KP No.1 thru 3 (Use the numeric entry)**  
ID number of the network remote printer 1, 2 or 3 (1 thru 9).  
If the number "0" is entered, no remote printer will operate.
- **CHIT RECEIPT (Use the selective entry)**  
YES : Print the combo sales information on the chit receipt in the remote printer format.  
NO : Print nothing on the chit receipt.
- **CVM CTRL CHAR. (Use the numeric entry)**  
CVM (Color Video Monitor) control character (0 thru 255)

## ■ Combo meal table (continued)

10:38AM PGM2

01	PRICE	0.00
	COMBO PLU#5	000000
	PRICE	0.00
	COMBO PLU#6	000000
	PRICE	0.00
	COMBO PLU#7	000000
	PRICE	0.00
	COMBO PLU#8	000000
	PRICE	0.00
	COMBO PLU#9	000000
	PRICE	0.00

- **COMBO PLU#1-9 (Use the numeric entry)**

Select associated PLUs (max. 9 PLUs) from the list.

- **PRICE (Use the numeric entry)**

Unit price of each associated PLU (max. 6 digits).

**NOTE**

- *PLU numbers should be defined before programming a combo meal table.*
- *If the (DEL) key is pressed on the table number selection menu, the programmed data in the cursor position will be deleted.*

## ■ Scale table

The POS terminal can be programmed with up to nine tare tables and allows different tares to be assigned to scalable items (for auto scale entries).

**Procedure**

10:39AM PGM2

SCALE TABLE	
1	
2	
3	
4	
5	
6	
7	
8	
9	

Selected  
tare table  
number → (ENTER)

10:39AM PGM2

1	WEIGHT	0.001b
---	--------	--------

Program each item as follows:

- **SCALE TABLE (Use the numeric entry)**

Tare table number (1 thru 9)

- **WEIGHT (Use the numeric entry)**

Enter a tare weight for the scale table number (max. 4 digits: 1 to 99.99).

**NOTE**

*Your POS terminal may also be set to accommodate 1-integer + 3-decimal weights. For more details, please consult your authorized SHARP dealer.*

# Direct Key Programming

Use the following procedure to select direct-key programming:

## ■ Direct PLU/COMBO/dept. key

You can assign PLUs, combo meals and departments directly to the keyboard. In the case of combo meals or PLUs, you may assign up to 10-levels to be accessed directly on the keyboard.

### Procedure

```

SETTING
1 ARTICLE
2 DIRECT KEY
3 PLU MENU KEY
4 FUNCTION
5 MEDIA
6 TEXT
7 PERSONNEL
8 TERMINAL
9 DATE/TIME
10 OPTIONAL
11 SECRET CODE
    
```

Select a pertinent key no. from the key numbers list (Refer to the next page).

```

004
TYPE      PLU
    
```

```

004
LEVEL1    000000
LEVEL2    000000
LEVEL3    000000
LEVEL4    000000
LEVEL5    000000
LEVEL6    000000
LEVEL7    000000
LEVEL8    000000
LEVEL9    000000
LEVEL10   000000
    
```

In the case of setting "000001 DIRECT PLU"

### 1. In the SETTING window, select "2 DIRECT KEY."

- The DIRECT KEY window will appear.

### • TYPE (Use the selective entry)

PLU: Assigns the key as a direct PLU key.

COMBO: Assigns the key as a direct combo key.

DEPT: Assigns the key as a direct department key.

### NOTE

- You can also select a direct PLU key by pressing the corresponding key when the PLU has been assigned directly on the keyboard instead of selecting the key from the menu.
- When selecting a department, the screen on which a department number is to be entered (the message "DEPT. CODE") will appear.
- When selecting a combo, the screen on which a combo table number is to be entered ("COMBO TBL#") will appear.

### • LEVEL1 thru 10 (Use the numeric entry)

Enter a PLU number or combo table number for each level. For example, if you want to use this key as PLU no.1 (level 1) and PLU no.101 (level 2), enter 1 for the "LEVEL1" and 101 for the "LEVEL2."

## Key numbers

12	24	36	48	60	72	84	96	108	120	132	144	156
11	23	35	47	59	71	83	95	107	119	131	143	155
10	22	34	46	58	70	82	94	106	118	130	142	154
9	21	33	45	57	69	81	93	105	117	129	141	153
8	20	32	44	56	68	80	92	104	116	128	140	152
7	19	31	43	55	67	79	91	103	115	127	139	151
6	18	30	42	54	66	78	90	102	114	126	138	150
5	17	29	41	53	65	77	89	101	113	125	137	149
4	16	28	40	52	64	76	88	100	112	124	136	148
3	15	27	39	51	63	75	87	99	111	123	135	147
2	14	26	38	50	62	74	86	98	110	122	134	146
1	13	25	37	49	61	73	85	97	109	121	133	145

Default keyboard: Departments, PLUs and combo meals programmable area

### NOTE

*You cannot place a department, PLU or combo meal key where a function key has been previously programmed.*

*For more information, please consult your authorized SHARP dealer.*



# PLU Menu Key Programming

Use the following procedure to select PLU menu key programming:

## ■ PLU menu key

When you enter PLUs, using the PLU menu key makes it easy to find categorized PLU items from the menu list.

Your POS terminal allows you to program a max. of 50 PLU menu keys. You can program a max. of 30 PLUs/sub-menus for each PLU menu key.

### Procedure

10:52AM PGM2

SETTING

- 1 ARTICLE
- 2 DIRECT KEY
- 3 PLU MENU KEY
- 4 FUNCTION
- 5 MEDIA
- 6 TEXT
- 7 PERSONNEL
- 8 TERMINAL
- 9 DATE/TIME

10:53AM PGM2

PLU MENU KEY

--- NOTHING ---

Selected PLU  
menu key no.

→ (ENTER)

10:55AM PGM2

01

MENU TITLE

11:04AM PGM2

01

TYPE

PLU

11:07AM PGM2

01

PLU

000000

Use the following procedure to program a PLU menu key:

In the SETTING window, select “3 PLU MENU KEY” and program each item as follows:

- **PLU MENU KEY (Use the numeric entry)**  
PLU menu key number (1 thru 50)  
1 thru 50 : For the direct PLU menu key.
- **MENU TITLE (Use the character entry)**  
Description for the PLU menu key. Up to 16 characters can be entered.
- **TYPE (Use the selective entry)**  
PLU: Selects to program a PLU.  
MENU: Selects to program a sub-menu.
- **PLU or MENU (Use the numeric entry)**  
Select a menu PLU or sub-menu from the list.

### NOTE

When selecting a sub-menu, the screen on which a sub-menu number is to be entered (the message “MENU”) will appear.

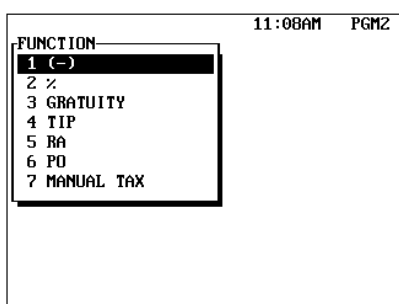
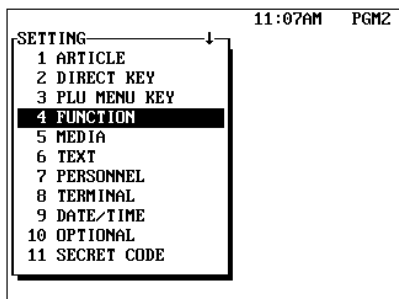
### NOTE

- PLU number should be defined before programming a PLU menu key.
- If the (DEL) key is pressed on the menu key number selection menu, the menu list will be canceled.
- If the (DEL) key is pressed on the menu PLU number selection menu, the menu in the cursor position will be deleted.

# Functional Programming

Use the following procedure to select any option included in the functional programming group:

## Procedure



**1.** In the SETTING window, select “4 FUNCTION.”

- The FUNCTION window will appear.

**2.** Select any option from the following options list:

1 (-):	Discount key
2 %:	Percent key
3 GRATUITY:	Gratuity
4 TIP:	Tip
5 RA:	Received on account
6 PO:	Paid out
7 MANUAL TAX:	Manual tax

The following illustration shows those options included in the functional programming group.

4 FUNCTION	1 (-)	➔ See “Discount key” on page <a href="#">113</a> .
	2 %	➔ See “Percent key” on page <a href="#">114</a> .
	3 GRATUITY	➔ See “Gratuity” on page <a href="#">115</a> .
	4 TIP	➔ See “Tip” on page <a href="#">115</a> .
	5 RA	➔ See “RA” on page <a href="#">116</a> .
	6 PO	➔ See “PO” on page <a href="#">116</a> .
	7 MANUAL TAX	➔ See “Manual tax” on page <a href="#">117</a> .

## ■ Discount key (⊖1 thru ⊖9)

### Procedure

Select a pertinent discount key from the discount keys list.

11 10AM PGM2

⊖1	
AMOUNT	-0.00
TEXT	⊖1
SIGN	-
TAXABLE1	NO
TAXABLE2	NO
TAXABLE3	NO
TAXABLE4	NO
HALO	17
ENTRY TYPE	SBTL
ENTRY IN REG	NO
ASSOCIATED PLU1	000000

11:10AM PGM2

⊖1	
ASSOCIATED PLU2	000000
ASSOCIATED PLU3	000000
ASSOCIATED PLU4	000000
ASSOCIATED PLU5	000000
ASSOCIATED PLU6	000000
ASSOCIATED PLU7	000000
ASSOCIATED PLU8	000000
ASSOCIATED PLU9	000000
ASSOCIATED PLU10	000000
ASSOCIATED PLU11	000000
ASSOCIATED PLU12	000000

The screen continues.

Program each item as follows:

- **AMOUNT (Use the numeric entry)**  
Discount amount (max. 6 digits: 0 to 999999)
- **TEXT (Use the character entry)**  
Description for the discount key. Up to 8 characters can be entered.
- **SIGN (Use the selective entry)**  
Programming of the + or – sign assigns the premium or discount function to each discount key.  
–: Minus amount (discount)  
+: Plus amount (premium)
- **TAXABLE1 thru 4 (Use the selective entry)**  
YES: Taxable  
NO: Non-taxable
- **HALO (High Amount Lockout: use the numeric entry)**  
A: Significant digit for HALO (1 thru 9)  
B: Number of zeros to follow the significant digit for HALO (0 thru 7)  
AB is the same as  $A \times 10^B$ .
- **ENTRY TYPE (Use the selective entry)**  
ITEM: Item (–)  
SBTL: Subtotal (–)
- **ENTRY IN REG (Use the selective entry)**  
YES: Allows a discount entry in the REG mode.  
NO: Inhibits a discount entry in the REG mode.
- **ASSOCIATED PLU1 thru 20 (Use the numeric entry)**  
Program PLU number which is allowed for the corresponding (–) key. (1 thru 999999)

### NOTE

For the Markdown coupon entry (item (–)):

The coupon entry will be allowed only for a PLU which is listed in this table.

For the Discount coupon entry (ST (–)):

The coupon entry will be allowed only when all PLUs which is listed in this table have been entered.

### NOTE

You can also select a discount key by pressing the corresponding key when it has been placed directly on the keyboard instead of selecting the key from the menu.

## ■ Percent key ( %1 thru %9 )

### Procedure

Select a pertinent percent key from the percent keys list.

11:13AM PGM2	
1	
RATE	-0.00%
TEXT	1
SIGN	-
TAXABLE1	NO
TAXABLE2	NO
TAXABLE3	NO
TAXABLE4	NO
%HALO	100.00%
ENTRY TYPE	SBTL
ASSOCIATED PLU1	000000
ASSOCIATED PLU2	000000

11:13AM PGM2	
1	
ASSOCIATED PLU3	000000
ASSOCIATED PLU4	000000
ASSOCIATED PLU5	000000
ASSOCIATED PLU6	000000
ASSOCIATED PLU7	000000
ASSOCIATED PLU8	000000
ASSOCIATED PLU9	000000
ASSOCIATED PLU10	000000
ASSOCIATED PLU11	000000
ASSOCIATED PLU12	000000
ASSOCIATED PLU13	000000

The screen continues.

Program each item as follows:

- **RATE (Use the numeric entry)**  
Percent rate (0.00 to 100.00)
- **TEXT (Use the character entry)**  
Description for the percent key. Up to 8 characters can be entered.
- **SIGN (Use the selective entry)**  
Programming of the + or – sign assigns the premium or discount function to each percent key.  
–: Minus (discount)  
+: Plus (premium)
- **TAXABLE1 thru 4 (Use the selective entry)**  
YES: Taxable  
NO: Non-taxable
- **%HALO (High Amount Lockout: use the numeric entry)**  
HALO (High Amount Lockout) for the percent key (0.00 to 100.00)
- **ENTRY TYPE (Use the selective entry)**  
ITEM: Item %  
SBTL: Subtotal %
- **ASSOCIATED PLU1 thru 20 (Use the numeric entry)**  
Program PLU number which is allowed for the corresponding % key. (1 thru 999999)

### NOTE

*For the Markdown % entry (item %):*

*The % entry will be allowed only for a PLU which is listed in this table.*

*For the Discount % entry (ST %):*

*The % entry will be allowed only when all PLUs which is listed in this table have been entered.*

### NOTE

*You can also select a percent key by pressing the corresponding key when it has been placed directly on the keyboard instead of selecting the key from the menu.*

## ■ Gratuity

### Procedure

GRATUITY		11 14AM	PGM2
RATE		0.00%	
TEXT		GRATUITY	
SIGN		+	
TAXABLE1		NO	
TAXABLE2		NO	
TAXABLE3		NO	
TAXABLE4		NO	

Program each item as follows:

- **RATE (Use the numeric entry)**  
Percent rate (0.00 to 100.00)
- **TEXT (Use the character entry)**  
Description for the gratuity. Up to 8 characters can be entered.
- **SIGN (Use the selective entry)**  
Programming of the + or – sign assigns the premium or discount function for the gratuity.
  - : Minus (discount)
  - +: Plus (premium)
- **TAXABLE1 thru 4 (Use the selective entry)**
  - YES: Taxable
  - NO: Non-taxable

## ■ Tip

### Procedure

TIP		11:15AM	PGM2
RATE		0.00%	
TEXT(CASH TIP)	CA TIP		
TEXT(CHARGE TIP)	CH TIP		
HALO		17	

Program each item as follows:

- **RATE (Use the numeric entry)**  
Percent rate (0.00 to 100.00)
- **TEXT(CASH TIP) (Use the character entry)**  
Description for the cash tip. Up to 8 characters can be entered.
- **TEXT(CHARGE TIP) (Use the character entry)**  
Description for the non-cash tip. Up to 8 characters can be entered.
- **HALO (High Amount Lockout: use the numeric entry)**
  - A: Significant digit for HALO (1 thru 9)
  - B: Number of zeros to follow the significant digit for HALO (0 thru 8)
  - AB is the same as  $A \times 10^B$ .

### NOTE

*You can also select a tip key by pressing the corresponding key when it has been placed directly on the keyboard instead of selecting the key from the menu.*

## ■ RA

You can program an upper limit amount and description for each received-on-account key.

### Procedure

Select a pertinent received-on-account key from the RA keys list.

11 16AM PGM2

\*\*\*RA

HALO

TEXT

18

\*\*\*RA

Program each item as follows:

- **HALO (High Amount Lockout: use the numeric entry)**
  - A: Significant digit for HALO (1 thru 9)
  - B: Number of zeros to follow the significant digit for HALO (0 thru 8)
  - AB is the same as  $A \times 10^B$ .

- **TEXT (Use the character entry)**
  - Description for the received-on-account key. Up to 8 characters can be entered.

### NOTE

*You can also select an RA key by pressing the corresponding key when it has been placed directly on the keyboard instead of selecting the key from the menu.*

## ■ PO

You can program an upper limit amount and description for each paid-out key.

### Procedure

Select a pertinent paid-out key from the PO keys list.

11 23AM PGM2

\*\*\*PO

HALO

TEXT

18

\*\*\*PO

Program each item as follows:

- **HALO (High Amount Lockout: use the numeric entry)**
  - A: Significant digit for HALO (1 thru 9)
  - B: Number of zeros to follow the significant digit for HALO (0 thru 8)
  - AB is the same as  $A \times 10^B$ .

- **TEXT (Use the character entry)**
  - Description for the paid-out key. Up to 8 characters can be entered.

### NOTE

*You can also select a PO key by pressing the corresponding key when it has been placed directly on the keyboard instead of selecting the key from the menu.*

## ■ Manual tax

You can program an upper limit amount and description for the manual tax key.

### Procedure

MANUAL TAX 11:24AM PGM2  
HALO 17  
TEXT M-TAX

Program each item as follows:

- **HALO (High Amount Lockout: use the numeric entry)**
  - A: Significant digit for HALO (1 thru 9)
  - B: Number of zeros to follow the significant digit for HALO (0 thru 8)
  - AB is the same as  $A \times 10^B$ .
- **TEXT (Use the character entry)**
  - Description for the manual tax key. Up to 8 characters can be entered.

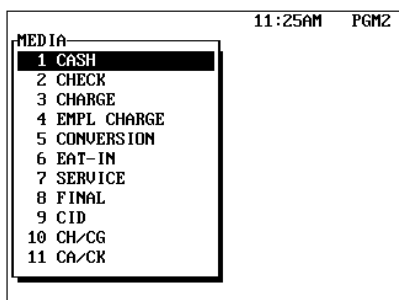
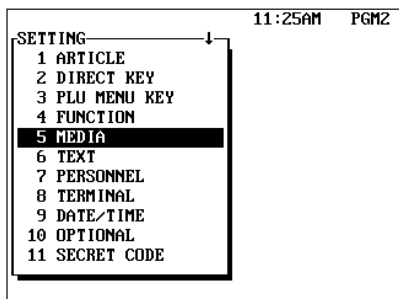
### NOTE

*You can also select the manual tax key by pressing the corresponding key when it has been placed directly on the keyboard instead of selecting the key from the menu.*

# Media Key Programming

Use the following procedure to select any option included in the media group:

## Procedure

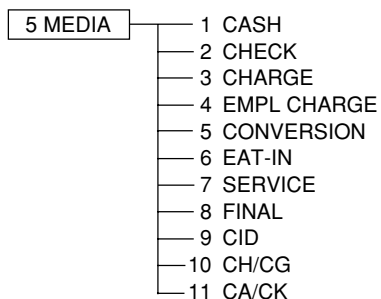


1. In the SETTING window, select "5 MEDIA."
  - The MEDIA window will appear.

2. Select any option from the following options list:

1 CASH:	Cash key
2 CHECK:	Check key
3 CHARGE:	Charge key
4 EMPL CHARGE:	Employee charge key
5 CONVERSION:	Currency conversion keys
6 EAT-IN:	Eat-in key
7 SERVICE:	Service key
8 FINAL:	Final key
9 CID:	Cash in drawer
10 CH/CG:	Check change
11 CA/CK:	Check cashing

The following illustration shows those options included in the media key programming group.



- ➔ See "Cash key" on page [119](#).
- ➔ See "Check key" on page [122](#).
- ➔ See "Charge key" on page [125](#).
- ➔ See "Employee charge key" on page [128](#).
- ➔ See "Currency conversion key" on page [131](#).
- ➔ See "Eat-in key" on page [131](#).
- ➔ See "Service key" on page [132](#).
- ➔ See "Final key" on page [134](#).
- ➔ See "Cash in drawer" on page [136](#).
- ➔ See "Check change" on page [136](#).
- ➔ See "Check cashing" on page [137](#).



## ■ Cash key

### Procedure

Select a pertinent cash key from the cash keys list.

```
11 27AM PGM2
CASH
TEXT
HALO 18
GLU/PBLU ENABLE
SHORT TENDER ENABLE
HEADER ON BILL NO
FOOTER ON BILL NO
CAT OPERATION NON-COMPULSORY
CAT1 ACTION CODE NOT TRANSMIT
CAT2 ACTION CODE CHG-SALE
CAT2 TRANS. TYPE CA1
CAT3 ACTION CODE CHG-SALE
a
```

The screen continues.

Program each item as follows:

- **TEXT (Use the character entry)**

Description for the cash key. Up to 8 characters can be entered.

- **HALO (High Amount Lockout: use the numeric entry)**

AB is the same as  $A \times 10^B$ .

A: Significant digit (1 thru 9)

B: Number of zeros to follow the significant digit (0 thru 8)

You can set AB at 18 for no limitation.

- **GLU/PBLU (Use the selective entry)**

GLU/PBLU entry

COMPULSORY: Makes the GLU/PBLU entry compulsory.

INHIBIT: Inhibits GLU/PBLU entry.

ENABLE: Enables GLU/PBLU entry.

- **SHORT TENDER (Use the selective entry)**

Short amount tender

DISABLE: Disables short amount tender.

ENABLE: Enables short amount tender.

- **HEADER ON BILL (Use the selective entry)**

YES: Enables header printing on the bill.

NO: Disables header printing on the bill.

- **FOOTER ON BILL (Use the selective entry)**

YES: Enables footer printing on the bill.

NO: Disables footer printing on the bill.

- **CAT OPERATION (Use the selective entry)**

You can select compulsory or non-compulsory CAT. Your machine allows you to select CAT1, CAT2, and CAT3.

CAT3 COMPULSORY: Compulsory CAT3

CAT2 COMPULSORY: Compulsory CAT2

CAT1 COMPULSORY: Compulsory CAT1

NON-COMPULSORY: Non-compulsory CAT3/CAT2/CAT1.

- **CAT 1 ACTION CODE (Use the selective entry)**

Select the ACTION CODE from the following items:

- PRE-APPROVAL
- DIAL
- NOT TRANSMIT

## ■ Cash key (continued)

- **CAT 2 ACTION CODE (Use the selective entry)**

COMPANY CHECK:	Company check
TIP ENTRY:	Tip Entry
DEBIT-FORCE:	Debit Force
CREDIT-FORCE:	Credit Force
CHECK:	Check
POST-AUTH:	Post authorization
DEBIT-SALE:	Debit Sale
CHG-SALE:	CHG Sale (dial up)

- **CAT2 TRANS. TYPE (Use the character entry)**

Enter the transaction type (max. 3 characters).

- **CAT3 ACTION CODE (Use the selective entry)**

COMPANY CHECK:	Company check
TIP ENTRY:	Tip Entry
DEBIT-FORCE:	Debit Force
CREDIT-FORCE:	Credit Force
CHECK:	Check
POST-AUTH:	Post authorization
DEBIT-SALE:	Debit Sale
CHG-SALE:	CHG Sale (dial up)

- **CAT3 TRANS. TYPE (Use the character entry)**

Enter the transaction type (max. 3 characters).

- **CARD# PRT. (Use the selective entry)**

YES: Prints a card number.  
NO: Not prints a card number.

- **CARD# FORMAT (Use the selective entry)**

FULL: Prints the entire card number.  
PARTIAL: Prints only part of a card number.

- **SIGN.LINE PRT. (Use the selective entry)**

YES: Prints the signature line.  
NO: Not prints the signature line.

- **CARD HOLDER PRT. (Use the selective entry)**

YES: Prints the name of the card holder.  
NO: Not prints the name of the card holder.

- **EXPIRATION PRT. (Use the selective entry)**

YES: Prints the card expiration date.  
NO: Not prints the card expiration date.

- **NUMBER OF RCPT (Use the numeric entry)**

Number of authorization receipts to be issued (1 digit: 1 to 9)  
If the number "0" is entered, no authorization receipt is issued.

## ■ Cash key (continued)

- **CLOSED GC FILE (Use the selective entry)**

RETAINED: Retains the closed GLU/PBLU/drive-through finalizing data.

NO RETAINED: Does not retain the closed GLU/PBLU/drive-through finalizing data.

- **BILL PRINT (Use the selective entry)**

Compulsory/non-compulsory bill printing

COMPULSORY: Compulsory bill printing

NON-COMPULSORY: Non-compulsory bill printing

- **FOOTER ON RCPT (Use the selective entry)**

This item decides whether or not your POS terminal should print a message at the foot of a receipt when a specified cash key is used.

YES: Enables footer printing on the receipt.

NO: Disables footer printing on the receipt.

- **NON-ADD # ENTRY (Use the selective entry)**

You can enforce the non-add code entry when a cash entry is accepted.

COMPULSORY: Compulsory non-add code entry

NON-COMPULSORY: Non-compulsory non-add code entry

- **TAXABLE1 thru 4 DELETE (Use the selective entry)**

You can program each cash key to delete tax (i.e. tax 1, tax 2, tax 3, and tax 4) when it is pressed.

YES: Deletes tax X (1 thru 4).

NO: Calculates tax X (1 thru 4).

- **DRAWER OPENING (Use the selective entry)**

You can program each cash key to open the drawer.

NO: Disables the drawer opening.

YES: Opens the drawer.

- **AMOUNT ENTRY (Use the selective entry)**

You may select compulsory or non-compulsory amount tender.

COMPULSORY: Compulsory amount tendered entry

NON-COMPULSORY: Non-compulsory amount tendered entry

- **OUTPUT KP No.1 thru No.3 (Use the numeric entry)**

ID number of the network remote printer 1, 2 or 3 (1 digit: 1 to 9)

If the number "0" is entered, no remote printer will operate.

- **CHIT RECEIPT (Use the selective entry)**

YES: Prints on the chit receipt in the remote printer format.

NO: Prints nothing on the chit receipt.

### **NOTE**

*You can also select a cash key by pressing the corresponding key when it has been placed directly on the keyboard instead of selecting the key from the menu.*

## ■ Check key

### Procedure

Select a pertinent check key from the check keys list.

Check Key	Value
CHECK1	CHECK1
TEXT	18
HALO	ENABLE
GLU/PBLU	ENABLE
SHORT TENDER	NO
HEADER ON BILL	NO
FOOTER ON BILL	NON-COMPULSORY
CAT OPERATION	NOT TRANSMIT
CAT1 ACTION CODE	CHG-SALE
CAT2 ACTION CODE	CK1
CAT2 TRANS. TYPE	CHG-SALE
CAT3 ACTION CODE	

The screen continues.

Program each item as follows:

- **TEXT (Use the character entry)**

Description for the check key. Up to 8 characters can be entered.

- **HALO (High Amount Lockout: use the numeric entry)**

AB is the same as  $A \times 10^B$ .

A: Significant digit (1 thru 9)

B: Number of zeros to follow the significant digit (0 thru 8)

You can set AB at 18 for no limitation.

- **GLU/PBLU (Use the selective entry)**

COMPULSORY: Makes GLU/PBLU entry compulsory.

INHIBIT: Inhibits GLU/PBLU entry.

ENABLE: Enables GLU/PBLU entry.

- **SHORT TENDER (Use the selective entry)**

DISABLE: Disables short amount tender.

ENABLE: Enables short amount tender.

- **HEADER ON BILL (Use the selective entry)**

YES: Enables header printing on the bill.

NO: Disables header printing on the bill.

- **FOOTER ON BILL (Use the selective entry)**

YES: Enables footer printing on the bill.

NO: Disables footer printing on the bill.

- **CAT OPERATION (Use the selective entry)**

CAT3 COMPULSORY: Compulsory CAT3

CAT2 COMPULSORY: Compulsory CAT2

CAT1 COMPULSORY: Compulsory CAT1

NON-COMPULSORY: Non-compulsory CAT3/CAT2/CAT1

- **CAT 1 ACTION CODE (Use the selective entry)**

Select the ACTION CODE from the following items:

- PRE-APPROVAL
- DIAL
- NOT TRANSMIT

- **CAT 2 ACTION CODE (Use the selective entry)**

COMPANY CHECK: Company check

TIP ENTRY: Tip Entry

DEBIT-FORCE: Debit Force

CREDIT-FORCE: Credit Force

CHECK: Check

POST-AUTH: Post authorization

DEBIT-SALE: Debit Sale

CHG-SALE: CHG Sale (dial up)

## ■ Check key (continued)

- **CAT2 TRANS. TYPE (Use the character entry)**

Enter the transaction type (max. 3 characters).

- **CAT3 ACTION CODE (Use the selective entry)**

COMPANY CHECK:	Company check
TIP ENTRY:	Tip Entry
DEBIT-FORCE:	Debit Force
CREDIT-FORCE:	Credit Force
CHECK:	Check
POST-AUTH:	Post authorization
DEBIT-SALE:	Debit Sale
CHG-SALE:	CHG Sale (dial up)

- **CAT3 TRANS. TYPE (Use the character entry)**

Enter the transaction type (max. 3 characters).

- **CARD# PRT. (Use the selective entry)**

YES: Prints card number.  
NO: Not prints card number.

- **CARD# FORMAT (Use the selective entry)**

FULL: Prints the entire card number.  
PARTIAL: Prints only a part of card number.

- **SIGN.LINE PRT. (Use the selective entry)**

YES: Prints the signature line.  
NO: Not prints the signature line.

- **CARD HOLDER PRT. (Use the selective entry)**

YES: Prints name of the card holder.  
NO: Not prints name of the card holder.

- **EXPIRATION PRT. (Use the selective entry)**

YES: Prints card expiration date.  
NO: Not prints card expiration date.

- **NUMBER OF RCPT (Use the numeric entry)**

Number of authorization receipt to be issued (1 digit: 1 to 9)  
If the number "0" is entered, no authorization receipt is issued.

- **CLOSED GC FILE (Use the selective entry)**

RETAINED: Retains the closed GLU/PBLU/drive-through finalizing data.  
NO RETAINED: Does not retain the closed GLU/PBLU/drive-through finalizing data.

- **BILL PRINT (Use the selective entry)**

COMPULSORY: Compulsory bill printing  
NON-COMPULSORY: Non-compulsory bill printing

- **FOOTER ON RCPT (Use the selective entry)**

YES: Enables footer printing on the receipt.  
NO: Disables footer printing on the receipt.

## ■ Check key (continued)

- **NON-ADD # ENTRY (Use the selective entry)**

COMPULSORY: Compulsory non-add code entry

NON-COMPULSORY: Non-compulsory non-add code entry

- **CHANGE DUE (Use the selective entry)**

Either change enable or disable can be selected for each check key.

DISABLE: Disables change calculation.

ENABLE: Enables change calculation.

- **TAXABLE1 thru 4 DELETE (Use the selective entry)**

You can program each check key to delete tax (i.e. tax 1, tax 2, tax 3, and tax 4) when it is pressed.

YES: Deletes tax X (1 thru 4).

NO: Calculates tax X (1 thru 4).

- **DRAWER OPENING (Use the selective entry)**

NO: Disables the drawer opening.

YES: Opens the drawer.

- **AMOUNT ENTRY (Use the selective entry)**

COMPULSORY: Compulsory amount tendered entry

NON-COMPULSORY: Non-compulsory amount tendered entry

- **OUTPUT KP No.1 thru 3 (Use the numeric entry)**

ID number of the network remote printer 1, 2 or 3 (1 digit: 1 to 9)

If the number "0" is entered, no remote printer will operate.

- **CHIT RECEIPT (Use the selective entry)**

YES: Prints on the chit receipt in the remote printer format.

NO: Prints nothing on the chit receipt.

### NOTE

*You can also select a check key by pressing the corresponding key when it has been placed directly on the keyboard instead of selecting the key from the menu.*

## ■ Charge key

### Procedure

Select a pertinent charge key from the charge keys list.

```

11:30AM PGM2
CHARGE1
TEXT(GROSS)
TEXT(REFUND)
HALO          18
GLU/PBLU      ENABLE
SHORT TENDER  ENABLE
HEADER ON BILL NO
FOOTER ON BILL NO
CAT OPERATION NON-COMPULSORY
CAT1 ACTION CODE NOT TRANSMIT
CAT2 ACTION CODE CHG-SALE
CAT2 TRANS. TYPE CH1
a
  
```

The screen continues.

Program each item as follows:

- **TEXT(GROSS) (Use the character entry)**  
Description for the charge (gross) key. Up to 8 characters can be entered.
- **TEXT(REFUND) (Use the character entry)**  
Description for the charge (refund) key. Up to 8 characters can be entered.
- **HALO (High Amount Lockout: use the numeric entry)**  
AB is the same as  $A \times 10^B$ .  
A: Significant digit (1 thru 9)  
B: Number of zeros to follow the significant digit (0 thru 8)  
You can set AB at 18 for no limitation.
- **GLU/PBLU (Use the selective entry)**  
COMPULSORY: Makes GLU/PBLU entry compulsory.  
INHIBIT: Inhibits GLU/PBLU entry.  
ENABLE: Enables GLU/PBLU entry.
- **SHORT TENDER (Use the selective entry)**  
DISABLE: Disables short amount tender.  
ENABLE: Enables short amount tender.
- **HEADER ON BILL (Use the selective entry)**  
YES: Enables header printing on the bill.  
NO: Disables header printing on the bill.
- **FOOTER ON BILL (Use the selective entry)**  
YES: Enables footer printing on the bill.  
NO: Disables footer printing on the bill.
- **CAT OPERATION (Use the selective entry)**  
CAT3 COMPULSORY: Compulsory CAT3  
CAT2 COMPULSORY: Compulsory CAT2  
CAT1 COMPULSORY: Compulsory CAT1  
NON-COMPULSORY: Non-compulsory CAT3/CAT2/  
CAT1
- **CAT 1 ACTION CODE (Use the selective entry)**  
Select the ACTION CODE from the following items:
  - PRE-APPROVAL
  - DIAL
  - NOT TRANSMIT

## ■ Charge key (continued)

- **CAT 2 ACTION CODE (Use the selective entry)**

COMPANY CHECK:	Company check
TIP ENTRY:	Tip Entry
DEBIT-FORCE:	Debit Force
CREDIT-FORCE:	Credit Force
CHECK:	Check
POST-AUTH:	Post authorization
DEBIT-SALE:	Debit Sale
CHG-SALE:	CHG Sale (dial up)

- **CAT2 TRANS. TYPE (Use the character entry)**

Enter the transaction type (max. 3 characters).

- **CAT3 ACTION CODE (Use the selective entry)**

COMPANY CHECK:	Company check
TIP ENTRY:	Tip Entry
DEBIT-FORCE:	Debit Force
CREDIT-FORCE:	Credit Force
CHECK:	Check
POST-AUTH:	Post authorization
DEBIT-SALE:	Debit Sale
CHG-SALE:	CHG Sale (dial up)

- **CAT3 TRANS. TYPE (Use the character entry)**

Enter the transaction type (max. 3 characters).

- **CARD# PRT. (Use the selective entry)**

YES: Prints a card number.  
NO: Not prints a card number.

- **CARD# FORMAT (Use the selective entry)**

FULL: Prints the entire card number.  
PARTIAL: Prints only part of a card number.

- **SIGN.LINE PRT. (Use the selective entry)**

YES: Prints the signature line.  
NO: Not prints the signature line.

- **CARD HOLDER PRT. (Use the selective entry)**

YES: Prints the name of the card holder.  
NO: Not prints the name of the card holder.

- **EXPIRATION PRT. (Use the selective entry)**

YES: Prints the card expiration date.  
NO: Not prints the card expiration date.

- **NUMBER OF RCPT (Use the numeric entry)**

Number of authorization receipts to be issued (1 digit: 1 to 9)  
If the number "0" is entered, no authorization receipt is issued.



## ■ Charge key (continued)

- **CLOSED GC FILE (Use the selective entry)**

RETAINED: Retains the closed GLU/PBLU/drive-through finalizing data.

NO RETAINED: Does not retain the closed GLU/PBLU/drive-through finalizing data.

- **BILL PRINT (Use the selective entry)**

Compulsory/non-compulsory bill printing

COMPULSORY: Compulsory bill printing

NON-COMPULSORY: Non-compulsory bill printing

- **FOOTER ON RCPT (Use the selective entry)**

YES: Enables footer printing on the receipt.

NO: Disables footer printing on the receipt.

- **NON-ADD # ENTRY (Use the selective entry)**

COMPULSORY: Compulsory non-add code entry

NON-COMPULSORY: Non-compulsory non-add code entry

- **CHANGE DUE (Use the selective entry)**

DISABLE: Disable change calculation.

ENABLE: Enables change calculation.

- **TAXABLE1 thru 4 DELETE (Use the selective entry)**

YES: Deletes tax X (1 thru 4).

NO: Calculates tax X (1 thru 4).

- **DRAWER OPENING (Use the selective entry)**

NO: Disables the drawer opening.

YES: Opens the drawer.

- **AMOUNT ENTRY (Use the selective entry)**

COMPULSORY: Compulsory amount tendered entry

INHIBIT: Inhibits amount tendered entry

- **OUTPUT KP No.1 thru 3 (Use the numeric entry)**

ID number of the network remote printer 1, 2 or 3 (1 digit: 1 to 9)

If the number "0" is entered, no remote printer will operate.

- **CHIT RECEIPT (Use the selective entry)**

YES: Prints on the chit receipt in the remote printer format.

NO: Prints nothing on the chit receipt.

### **NOTE**

*You can also select a charge key by pressing the corresponding key when it has been placed directly on the keyboard instead of selecting the key from the menu.*

## ■ Employee charge key

### Procedure

Select a pertinent employee charge key.

```

11:30AM PGM2
EMPLOYEE CHARGE
TEXT(GROSS)
TEXT(REFUND)
HALO
SHORT TENDER
HEADER ON BILL
FOOTER ON BILL
CAT OPERATION
CAT1 ACTION CODE
CAT2 ACTION CODE
CAT2 TRANS. TYPE
CAT3 ACTION CODE
  
```

The screen continues.

Program each item as follows:

- **TEXT(GROSS) (Use the character entry)**

Description for the charge (gross) key. Up to 8 characters can be entered.

- **TEXT(REFUND) (Use the character entry)**

Description for the charge (refund) key. Up to 8 characters can be entered.

- **HALO (High Amount Lockout: use the numeric entry)**

AB is the same as  $A \times 10^B$ .

A: Significant digit (1 thru 9)

B: Number of zeros to follow the significant digit (0 thru 8)

You can set AB at 18 for no limitation.

- **SHORT TENDER (Use the selective entry)**

DISABLE: Disables short amount tender.

ENABLE: Enables short amount tender.

- **HEADER ON BILL (Use the selective entry)**

YES: Enables header printing on the bill.

NO: Disables header printing on the bill.

- **FOOTER ON BILL (Use the selective entry)**

YES: Enables footer printing on the bill.

NO: Disables footer printing on the bill.

- **CAT OPERATION (Use the selective entry)**

CAT3 COMPULSORY: Compulsory CAT3

CAT2 COMPULSORY: Compulsory CAT2

CAT1 COMPULSORY: Compulsory CAT1

NON-COMPULSORY: Non-compulsory CAT3/CAT2

- **CAT 1 ACTION CODE (Use the selective entry)**

Select the ACTION CODE from the following items:

- PRE-APPROVAL
- DIAL
- NOT TRANSMIT

- **CAT 2 ACTION CODE (Use the selective entry)**

COMPANY CHECK: Company check

TIP ENTRY: Tip Entry

DEBIT-FORCE: Debit Force

CREDIT-FORCE: Credit Force

CHECK: Check

POST-AUTH: Post authorization

DEBIT-SALE: Debit Sale

CHG-SALE: CHG Sale (dial up)

## ■ Employee charge key (continued)

- **CAT2 TRANS. TYPE (Use the character entry)**

Enter the transaction type (max. 3 characters).

- **CAT3 ACTION CODE (Use the selective entry)**

COMPANY CHECK:	Company check
TIP ENTRY:	Tip Entry
DEBIT-FORCE:	Debit Force
CREDIT-FORCE:	Credit Force
CHECK:	Check
POST-AUTH:	Post authorization
DEBIT-SALE:	Debit Sale
CHG-SALE:	CHG Sale (dial up)

- **CAT3 TRANS. TYPE (Use the character entry)**

Enter the transaction type (max. 3 characters).

- **CARD# PRT. (Use the selective entry)**

YES: Prints a card number.  
NO: Not prints a card number.

- **CARD# FORMAT (Use the selective entry)**

FULL: Prints the entire card number.  
PARTIAL: Prints only part of a card number.

- **SIGN.LINE PRT. (Use the selective entry)**

YES: Prints the signature line.  
NO: Not prints the signature line.

- **CARD HOLDER PRT. (Use the selective entry)**

YES: Prints the name of the card holder.  
NO: Not prints the name of the card holder.

- **EXPIRATION PRT. (Use the selective entry)**

YES: Prints the card expiration date.  
NO: Not prints the card expiration date.

- **NUMBER OF RCPT (Use the numeric entry)**

Number of authorization receipts to be issued (1 digit: 1 to 9)  
If the number "0" is entered, no authorization receipt is issued.

- **BILL PRINT (Use the selective entry)**

Compulsory/non-compulsory bill printing  
COMPULSORY: Compulsory bill printing  
NON-COMPULSORY: Non-compulsory bill printing

- **FOOTER ON RCPT (Use the selective entry)**

YES: Enables footer printing on the receipt.  
NO: Disables footer printing on the receipt.

## ■ Employee charge key (continued)

- **NON-ADD # ENTRY (Use the selective entry)**

COMPULSORY: Compulsory non-add code entry

NON-COMPULSORY: Non-compulsory non-add code entry

- **CHANGE DUE (Use the selective entry)**

DISABLE: Disable change calculation.

ENABLE: Enables change calculation.

- **TAXABLE1 thru 4 DELETE (Use the selective entry)**

YES: Deletes tax X (1 thru 4).

NO: Calculates tax X (1 thru 4).

- **DRAWER OPENING (Use the selective entry)**

NO: Disables the drawer opening.

YES: Opens the drawer.

- **AMOUNT ENTRY (Use the selective entry)**

COMPULSORY: Compulsory amount tendered entry

INHIBIT: Inhibits amount tendered entry

- **OUTPUT KP No.1 thru 3 (Use the numeric entry)**

ID number of the network remote printer 1, 2 or 3 (1 digit: 1 to 9)

If the number "0" is entered, no remote printer will operate.

- **CHIT RECEIPT (Use the selective entry)**

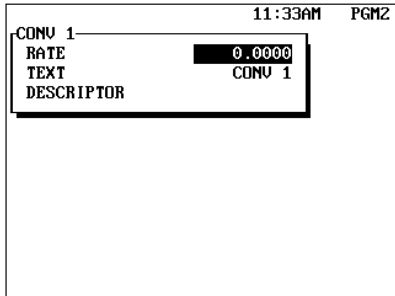
YES: Prints on the chit receipt in the remote printer format.

NO: Prints nothing on the chit receipt.

## ■ Currency conversion key

### Procedure

Select a pertinent currency conversion key from the currency conversion keys list.



The screenshot shows a terminal window with the title '11:33AM PGM2'. Inside, there is a menu titled 'CONV 1' with the following options: 'RATE', 'TEXT', and 'DESCRIPTOR'. The 'RATE' option is highlighted, and its value '0.0000' is displayed next to it. The 'TEXT' option is also visible, with 'CONV 1' displayed next to it.

Program each item as follows:

- **RATE (Use the numeric entry)**  
Currency conversion rate (0.0000 to 9999.9999)
- **TEXT (Use the character entry)**  
Description for the currency conversion key. Up to 8 characters can be entered.
- **DESCRIPTOR (Use the character entry)**  
Currency descriptor. Up to 4 characters can be entered.

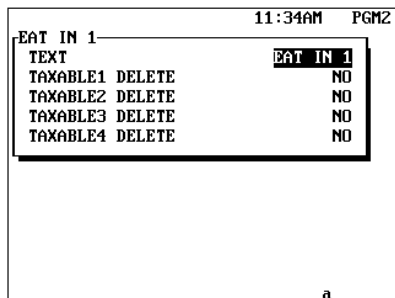
### NOTE

*You can also select a conversion key by pressing the corresponding key when it has been placed directly on the keyboard instead of selecting the key from the menu.*

## ■ Eat-in key

### Procedure

Select a pertinent eat-in key from the eat-in keys list.



The screenshot shows a terminal window with the title '11:34AM PGM2'. Inside, there is a menu titled 'EAT IN 1' with the following options: 'TEXT', 'TAXABLE1 DELETE', 'TAXABLE2 DELETE', 'TAXABLE3 DELETE', and 'TAXABLE4 DELETE'. The 'TEXT' option is highlighted, and its value 'EAT IN 1' is displayed next to it. The 'TAXABLE1 DELETE' option is also visible, with 'NO' displayed next to it. The 'TAXABLE2 DELETE' option is also visible, with 'NO' displayed next to it. The 'TAXABLE3 DELETE' option is also visible, with 'NO' displayed next to it. The 'TAXABLE4 DELETE' option is also visible, with 'NO' displayed next to it.

Program each item as follows:

- **TEXT (Use the character entry)**  
Description for the eat-in key. Up to 8 characters can be entered.
- **TAXABLE1 thru 4 DELETE (Use the selective entry)**  
YES: Deletes tax X (1 thru 4).  
NO: Calculates tax X (1 thru 4).

### NOTE

*You can also select an eat-in key by pressing the corresponding key when it has been placed directly on the keyboard instead of selecting the key from the menu.*

## ■ Service key

### Procedure

```

11:35AM PGM2
SERVICE
TEXT(GLU) SERVICE
TEXT(DRIVE THRU) SERVICE2
HEADER ON BILL NO
FOOTER ON BILL NO
BILL PRINT NON-COMPULSORY
CAT OPERATION NON-COMPULSORY
CAT1 ACTION CODE NOT TRANSMIT
CAT2 ACTION CODE CHG-SALE
CAT2 TRANS. TYPE SRV
CAT3 ACTION CODE CHG-SALE
CAT3 TRANS. TYPE SRV
a

```

Program each item as follows:

- **TEXT(GLU) (Use the character entry)**

Description for the service key (GLU). Up to 8 characters can be entered.

- **TEXT(DRIVE THRU) (Use the character entry)**

Description for the service key (drive-through). Up to 8 characters can be entered.

- **HEADER ON BILL (Use the selective entry)**

YES: Enables header printing on the bill.  
NO: Disables header printing on the bill.

- **FOOTER ON BILL (Use the selective entry)**

YES: Enables footer printing on the bill.  
NO: Disables footer printing on the bill.

- **BILL PRINT (Use the selective entry)**

COMPULSORY: Compulsory bill printing  
NON-COMPULSORY: Non-compulsory bill printing

- **CAT OPERATION (Use the selective entry)**

CAT3 COMPULSORY: Compulsory CAT3  
CAT2 COMPULSORY: Compulsory CAT2  
CAT1 COMPULSORY: Compulsory CAT1  
NON-COMPULSORY: Non-compulsory CAT3/CAT2

- **CAT 1 ACTION CODE (Use the selective entry)**

Select the ACTION CODE from the following items:

- PRE-APPROVAL
- DIAL
- NOT TRANSMIT

- **CAT 2 ACTION CODE (Use the selective entry)**

COMPANY CHECK: Company check  
TIP ENTRY: Tip Entry  
DEBIT-FORCE: Debit Force  
CREDIT-FORCE: Credit Force  
CHECK: Check  
POST-AUTH: Post authorization  
DEBIT-SALE: Debit Sale  
CHG-SALE: CHG Sale (dial up)

- **CAT2 TRANS. TYPE (Use the character entry)**

Enter the transaction type (max. 3 characters).

## ■ Service key (continued)

- **CAT3 ACTION CODE (Use the selective entry)**

COMPANY CHECK:	Company check
TIP ENTRY:	Tip Entry
DEBIT-FORCE:	Debit Force
CREDIT-FORCE:	Credit Force
CHECK:	Check
POST-AUTH:	Post authorization
DEBIT-SALE:	Debit Sale
CHG-SALE:	CHG Sale (dial up)

- **CAT3 TRANS. TYPE (Use the character entry)**

Enter the transaction type (max. 3 characters).

- **CARD# PRT. (Use the selective entry)**

YES: Prints a card number.  
NO: Not prints a card number.

- **CARD# FORMAT (Use the selective entry)**

FULL: Prints the entire card number.  
PARTIAL: Prints only part of a card number.

- **SIGN.LINE PRT. (Use the selective entry)**

YES: Prints the signature line.  
NO: Not prints the signature line.

- **CARD HOLDER PRT. (Use the selective entry)**

YES: Prints the name of the card holder.  
NO: Not prints the name of the card holder.

- **EXPIRATION PRT. (Use the selective entry)**

YES: Prints the card expiration date.  
NO: Not prints the card expiration date.

- **NUMBER OF RCPT (Use the numeric entry)**

Number of authorization receipts to be issued (1 digit: 1 to 9)  
If the number "0" is entered, no authorization receipt is issued.

- **OUTPUT KP No.1 thru 3 (Use the selective entry)**

ID number of the network remote printer 1, 2 or 3 (1 digit: 1 to 9)  
If the number "0" is entered, no remote printer will operate.

- **CHIT RECEIPT (Use the selective entry)**

YES: Prints on the chit receipt in the remote printer format.  
NO: Prints nothing on the chit receipt.

### NOTE

*You can also select the service key by pressing the corresponding key when it has been placed directly on the keyboard instead of selecting the key from the menu.*

## ■ Final key

### Procedure

Item	Value
FINAL	11:37AM PGM2
HEADER ON BILL	NO
FOOTER ON BILL	NO
BILL PRINT	NON-COMPULSORY
CAT OPERATION	NON-COMPULSORY
CAT1 ACTION CODE	NOT TRANSMIT
CAT2 ACTION CODE	CHG-SALE
CAT2 TRANS. TYPE	FIN
CAT3 ACTION CODE	CHG-SALE
CAT3 TRANS. TYPE	FIN
CARD# PRT.	YES
CARD# FORMAT	PARTIAL

The screen continues.

Program each item as follows:

- **HEADER ON BILL (Use the selective entry)**

YES: Enables header printing on the bill.  
NO: Disables header printing on the bill.

- **FOOTER ON BILL (Use the selective entry)**

YES: Enables footer printing on the bill.  
NO: Disables footer printing on the bill.

- **BILL PRINT (Use the selective entry)**

COMPULSORY: Compulsory bill printing  
NON-COMPULSORY: Non-compulsory bill printing

- **CAT OPERATION (Use the selective entry)**

CAT3 COMPULSORY: Compulsory CAT3  
CAT2 COMPULSORY: Compulsory CAT2  
CAT1 COMPULSORY: Compulsory CAT1  
NON-COMPULSORY: Non-compulsory CAT3/CAT2

- **CAT 1 ACTION CODE (Use the selective entry)**

Select the ACTION CODE from the following items:

- PRE-APPROVAL
- DIAL
- NOT TRANSMIT

- **CAT 2 ACTION CODE (Use the selective entry)**

COMPANY CHECK: Company check  
TIP ENTRY: Tip Entry  
DEBIT-FORCE: Debit Force  
CREDIT-FORCE: Credit Force  
CHECK: Check  
POST-AUTH: Post authorization  
DEBIT-SALE: Debit Sale  
CHG-SALE: CHG Sale (dial up)

- **CAT2 TRANS. TYPE (Use the character entry)**

Enter the transaction type (max. 3 characters).

- **CAT3 ACTION CODE (Use the selective entry)**

COMPANY CHECK: Company check  
TIP ENTRY: Tip Entry  
DEBIT-FORCE: Debit Force  
CREDIT-FORCE: Credit Force  
CHECK: Check  
POST-AUTH: Post authorization  
DEBIT-SALE: Debit Sale  
CHG-SALE: CHG Sale (dial up)



## ■ Final key (continued)

- **CAT3 TRANS. TYPE (Use the character entry)**

Enter the transaction type (max. 3 characters).

- **CARD# PRT. (Use the selective entry)**

YES: Prints a card number.

NO: Not prints a card number.

- **CARD# FORMAT (Use the selective entry)**

FULL: Prints the entire card number.

PARTIAL: Prints only part of a card number.

- **SIGN.LINE PRT. (Use the selective entry)**

YES: Prints the signature line.

NO: Not prints the signature line.

- **CARD HOLDER PRT. (Use the selective entry)**

YES: Prints the name of the card holder.

NO: Not prints the name of the card holder.

- **EXPIRATION PRT. (Use the selective entry)**

YES: Prints the card expiration date.

NO: Not prints the card expiration date.

- **NUMBER OF RCPT (Use the numeric entry)**

Number of authorization receipts to be issued (1 digit: 1 to 9)

If the number "0" is entered, no authorization receipt is issued.

- **OUTPUT KP No.1 thru 3 (Use the number entry)**

ID number of the network remote printer 1, 2 or 3 (1 digit: 1 to 9)

If the number "0" is entered, no remote printer will operate.

- **CHIT RECEIPT (Use the selective entry)**

YES: Prints on the chit receipt in the remote printer format.

NO: Prints nothing on the chit receipt.

### **NOTE**

*You can also select the final key by pressing the corresponding key when it has been placed directly on the keyboard instead of selecting the key from the menu.*

# ■ Cash in drawer

You can program the description and the upper limit amounts for cash in drawer (sentinel).

## Procedure

CID		11:38AM	PGM2
TEXT	****CID		
HALO	9999999.99		

a

Program each item as follows:

- **TEXT (Use the character entry)**  
Description for the cash in drawer. Up to 8 characters can be entered.
- **HALO (High Amount Lockout: used the numeric entry)**  
Limit amount: 0 to 9999999.99

# ■ Check change

You can program the description and the upper limit amounts for check change.

## Procedure

CH/CG		11:39AM	PGM2
TEXT	CHK/CG		
HALO	9999999.99		

a

Program each item as follows:

- **TEXT (Use the character entry)**  
Description for check change. Up to 8 characters can be entered.
- **HALO (High Amount Lockout: used the numeric entry)**  
Limit amount: 0 to 9999999.99

## ■ Check cashing

You can program the description and the upper limit amounts for check cashing.

### Procedure

Select a pertinent check cashing no.  
from the check cashing numbers list.

11:40AM PGM2

CA/CHK1	CA/CHK1
TEXT	
HALO	999999.99
CAT OPERATION	NON-COMPULSORY
CAT1 ACTION CODE	NOT TRANSMIT
CARD# PRT.	YES
CARD# FORMAT	PARTIAL
SIGN.LINE PRT.	YES
CARD HOLDER PRT.	YES
EXPIRATION PRT.	YES
NUMBER OF RCPT	1

a

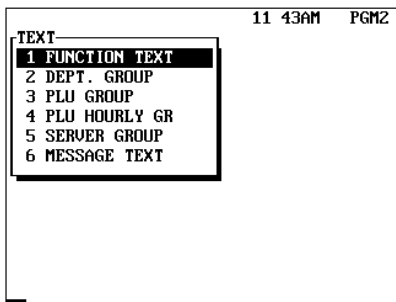
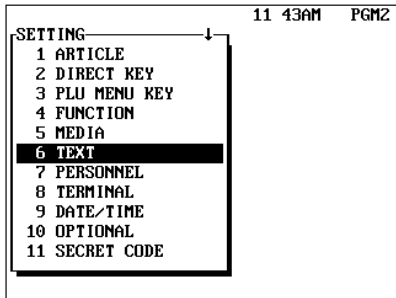
Program each item as follows:

- **TEXT (Use the character entry)**  
Description for check cashing. Up to 8 characters can be entered.
- **HALO (High Amount Lockout: used the numeric entry)**  
Limit amount: 0 to 999999.99
- **CAT OPERATION (Use the selective entry)**  
CAT1 COMPULSORY: Compulsory CAT1  
NON-COMPULSORY: Non-compulsory CAT1
- **CAT 1 ACTION CODE (Use the selective entry)**  
Select the ACTION CODE from the following items:
  - PRE-APPROVAL
  - DIAL
  - NOT TRANSMIT
- **CARD# PRT. (Use the selective entry)**  
YES: Prints a card number.  
NO: Not prints a card number.
- **CARD# FORMAT (Use the selective entry)**  
FULL: Prints the entire card number.  
PARTIAL: Prints only part of a card number.
- **SIGN.LINE PRT. (Use the selective entry)**  
YES: Prints the signature line.  
NO: Not prints the signature line.
- **CARD HOLDER PRT. (Use the selective entry)**  
YES: Prints the name of the card holder.  
NO: Not prints the name of the card holder.
- **EXPIRATION PRT. (Use the selective entry)**  
YES: Prints the card expiration date.  
NO: Not prints the card expiration date.
- **NUMBER OF RCPT (Use the numeric entry)**  
Number of authorization receipts to be issued (1 digit: 1 to 9)  
If the number "0" is entered, no authorization receipt is issued.

# Text Programming

Use the following procedure to select any option included in the text group:

## Procedure



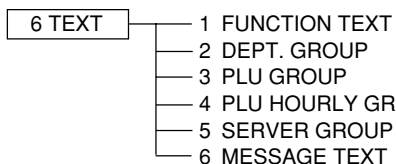
**1.** In the SETTING window, select “6 TEXT.”

- The TEXT window will appear.

**2.** Select any option from the following options list:

1 FUNCTION TEXT:	Function text
2 DEPT. GROUP:	Department group text
3 PLU GROUP:	PLU group text
4 PLU HOURLY GR:	PLU hourly group text
5 SERVER GROUP:	Server group text
6 MESSAGE TEXT:	Message text

The following illustration shows those options included in the text programming group.



- ➔ See “Function text” on page [139](#).
- ➔ See “Department group text” on page [141](#).
- ➔ See “PLU group text” on page [141](#).
- ➔ See “PLU hourly group text” on page [142](#).
- ➔ See “Server group text” on page [142](#).
- ➔ See “Message text” on page [143](#).

## ■ Function text

You can program a maximum of eight characters for each function by using the following table:

### Procedure

The screen continues.

Function no.	Function	Default text
001	Net sales total	<b>NET 1</b>
002	Net taxable 1 subtotal	TAX1 ST
003	Gross tax 1 total	GRS TAX1
004	Tax 1 total of refund entries	RFD TAX1
005	Net tax 1 total	TAX1
006	Exempt tax 1	TX1 EXPT
007	Net taxable 2 subtotal	TAX2 ST
008	Gross tax 2 total	GRS TAX2
009	Tax 2 total of refund entries	RFD TAX2
010	Net tax 2 total	TAX2
011	Exempt tax 2	TX2 EXPT
012	Net taxable 3 subtotal	TAX3 ST
013	Gross tax 3 total	GRS TAX3
014	Tax 3 total of refund entries	RFD TAX3
015	Net tax 3 total	TAX3
016	Exempt tax 3	TX3 EXPT
017	Net taxable 4 subtotal	TAX4 ST
018	Gross tax 4 total	GRS TAX4
019	Tax 4 total of refund entries	RFD TAX4
020	Net tax 4 total	TAX4
021	Exempt tax 4	TX4 EXPT
022	Gross manual tax total	GRS MTAX
023	Refund manual tax total	RFD MTAX
024	Exempt total from GST	GST EXPT
025	PST total	PST TTL
026	GST total	GST TTL
027	Tax total	TTL TAX
028	Net	<b>NET</b>

Function no.	Function	Default text
029	Sales total including tax total	<b>NET 2</b>
030	COMBO 1 (for transaction report)	COMBO1
031	COMBO 2 (for transaction report)	COMBO2
032	COMBO 3 (for transaction report)	COMBO3
033	COMBO 4 (for transaction report)	COMBO4
034	COMBO 5 (for transaction report)	COMBO5
035	COMBO 6 (for transaction report)	COMBO6
036	COMBO 7 (for transaction report)	COMBO7
037	COMBO 8 (for transaction report)	COMBO8
038	COMBO 9 (for transaction report)	COMBO9
039	COMBO 10 (for transaction report)	COMBO10
040	COMBO 11 (for transaction report)	COMBO11
041	COMBO 12 (for transaction report)	COMBO12
042	COMBO 13 (for transaction report)	COMBO13
043	COMBO 14 (for transaction report)	COMBO14
044	COMBO 15 (for transaction report)	COMBO15
045	COMBO 16 (for transaction report)	COMBO16
046	COMBO 17 (for transaction report)	COMBO17
047	COMBO 18 (for transaction report)	COMBO18
048	COMBO 19 (for transaction report)	COMBO19
049	COMBO 20 (for transaction report)	COMBO20
050	Coupon-like PLU	CP PLU
051	Direct void	DIR VD
052	Past void	PAST VD
053	Subtotal void	SBTL VD
054	Manager void	MGR VD
055	Void mode	<b>VOID</b>
056	Refund	REFUND

## ■ Function text (continued)

Function no.	Function	Default text
057	Return	RETURN
058	Hash direct void	HASH VD
059	Hash past void	HA P.VD
060	Hash item refund	HASH RF
061	Hash item return	HASH RT
062	No sale	NO SALE
063	Bill counter	BILL CNT
064	Tray counter	TRAY CNT
065	Drawer counter	DRW CNT
066	Transfer out	TRAN.OUT
067	Transfer in	TRAN.IN
068	Previous balance (for GLU)	***PBAL
069	Previous balance (for drive-through)	***PBAL2
070	Cover count	COVER CT
071	Customer counter	TRANS CT
072	Sales total	<b>NET 3</b>
073	Hash net total	HASH TTL
074	Cash+check in drawer	CA+CH ID
075	Deposit	DEPOSIT
076	Deposit refund	DPST RF
077	Tip paid	TIP PAID
078	(+) dept. total	*DEPT TL
079	(-) dept. total	DEPT(-)
080	Hash (+) dept. total	*HASH TL
081	Hash (-) dept. total	HASH(-)
082	Subtotal	SUBTOTAL
083	Merchandise subtotal	MDSE ST
084	Total	***TOTAL
085	Change	CHANGE
086	Due	DUE
087	Tip due	TIP DUE
088	Tray total	TRAY TL
089	Items	ITEMS
090	Balance	BALANCE
091	Copy	<b>C O P Y</b>
092	B.T. title	<b>B . T .</b>
093	B.S. title	<b>B . S .</b>
094	Final balance	FIN.BAL
095	Balance forward	BAL FWD
096	Close check	CLOSE CK
097	Open check	OPEN CK
098	Percent of net sales	(%)SALES
099	Remaining charge	CHARGE
100	Cost	COST

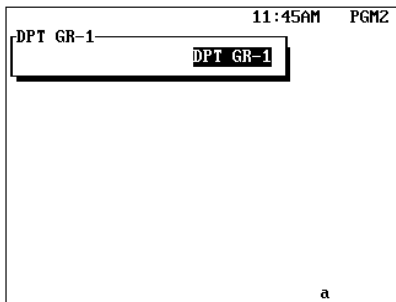
Function no.	Function	Default text
101	Cost %	COST%
102	Total cost	TTL COST
103	Location #	LOC#
104	Labor cost	L.COST
105	Total hours	TTL HOUR
106	Over time	OVR TIME
107	Time-in	TIME-IN
108	Time-out	TIME-OUT
109	Break-in	BRK-IN
110	Break-out	BRK-OUT
111	Labor %	LABOR%
112	Seat number	SEAT#
113	Manager code	MANAGER#
114	Exempt VAT	VAT EXPT
115	Individual payment	IND.PAY
116	Tare weight	TARE WT.
117	Receipt switch	RCP S.W.
118	Free GLU	FREE GLU
119	WASTE title	WASTE
120	Average sales	AVE SALE
121	ST(-) total	ST(-) TL
122	ST% total	ST % TL
123	Item(-) total	(-) TL
124	Item% total	% TL
125	CASH total	CASH TL
126	RA total	RA TL
127	PO total	PO TL
128	CA/CK total	CA/CK TL
129	CONV total	CONV TL
130	CHARGE total	CHR TL
131	CHECK total	CHECK TL
132	COMBO (for PLU report)	COMBO
133	WASTE (for PLU report)	WASTE
134	RF (for PLU report)	RF
135	CP (for PLU report)	CP
136	NET SLS (for PLU report)	NET SLS
137	COMBO TL (for PLU report)	COMBO TL
138	WASTE TL (for PLU report)	WASTE TL
139	RF TL (for PLU report)	RF TL
140	NET TL (for PLU report)	NET TL
141	Over cost	OVR COST
142	Table number	<b>T B L #</b>
143	Drive thru text	<b>C A R #</b>

## ■ Department group text

You can program a maximum of eight characters for each department group (1~9).

### Procedure

Select a pertinent department group number from the department groups list.



The screenshot shows a terminal window with the title bar "11:45AM PGM2". The main content area displays "DPT GR-1" at the top left. Below it, there is a text entry field containing "DPT GR-1". The field is highlighted with a thick black border. At the bottom right of the screen, there is a small "a" character.

Program the item as follows:

- **TEXT (Use the character entry)**

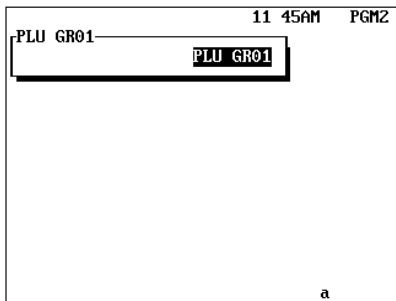
Description for the department group. Up to 8 characters can be entered.

## ■ PLU group text

You can program a maximum of eight characters for each PLU group (1~99).

### Procedure

Select a pertinent PLU group number from the PLU groups list.



The screenshot shows a terminal window with the title bar "11 45AM PGM2". The main content area displays "PLU GR01" at the top left. Below it, there is a text entry field containing "PLU GR01". The field is highlighted with a thick black border. At the bottom right of the screen, there is a small "a" character.

Program the item as follows:

- **TEXT (Use the character entry)**

Description for the PLU group. Up to 8 characters can be entered.

## ■ PLU hourly group text

You can program a maximum of eight characters for each PLU hourly group (1~9).

### Procedure

Select a pertinent PLU hourly group no. from the hourly groups list.



Program the item as follows:

- **TEXT (Use the character entry)**  
Description for the PLU hourly group. Up to 8 characters can be entered.

## ■ Server group text

You can program a maximum of eight characters for each server group (1~9).

### Procedure

Select a pertinent server group no. from the server groups list.



Program the item as follows:

- **TEXT (Use the character entry)**  
Description for the server group. Up to 8 characters can be entered.



## ■ Message text

You can program a message consisting of a maximum of 16 characters for each remote printer.

### Procedure

Select a pertinent message no. from the message list.

11 50AM PGM2

MESSAGE1
TEXT
REMOTE PRINTER 0
PRINT LOCATION TOP

Program each item as follows:

- **TEXT (Use the character entry)**

Description for the remote printer. Up to 16 characters can be entered,

- **REMOTE PRINTER (Use the numeric entry)**

Remote printer number (1 - 9/0)

- **PRINT LOCATION (Use the selective entry)**

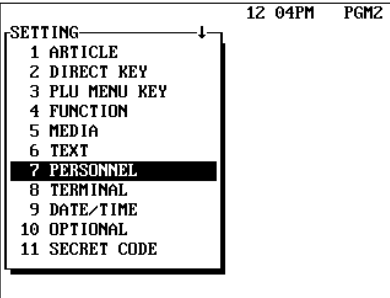
TOP: Prints the message at the top of a remote printer receipt.

BOTTOM: Prints the message at the bottom of a remote printer receipt.

# Personnel Programming

Use the following procedure to select any option included in the personnel group:

## Procedure



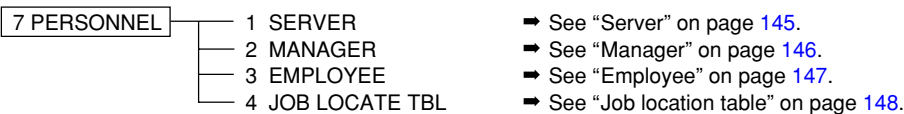
### 1. In the SETTING window, select "7 PERSONNEL."

- The PERSONNEL window will appear.

### 2. Select any option from the following options list:

- |                   |                    |
|-------------------|--------------------|
| 1 SERVER:         | Server             |
| 2 MANAGER:        | Manager            |
| 3 EMPLOYEE:       | Employee           |
| 4 JOB LOCATE TBL: | Job location table |

The following illustration shows those options included in the personnel programming group.



## ■ Server

### Procedure

12:07PM PGM2

SERVER	
0001	SERU.001
0002	SERU.002
0003	SERU.003
0004	SERU.004
0005	SERU.005
0006	SERU.006
0007	SERU.007
0008	SERU.008
0009	SERU.009
0010	SERU.010



12:08PM PGM2

0001		
SECRET CODE		0000
NAME	SERU.001	
ENTRY COMPULSORY	NON-COMPULSORY	
DRAWER#		1
NET SALES%RATE		0.00%

Program each item as follows:

- **SECRET CODE (Use the numeric entry)**  
Secret code (max. 4 digits: 0001 to 9999/0000)
- **NAME (Use the character entry)**  
Name for the server. Up to 8 characters can be entered.
- **ENTRY COMPULSORY (Use the selective entry)**  
GLU(PBLU):                      Compulsory GLU(PBLU)  
DRIVE THRU:                    Compulsory drive-through  
NON-COMPULSORY:            Non-compulsory GLU(PBLU)/drive-through
- **DRAWER# (Use the numeric entry)**  
Drawer number (1 or 2/0)
- **NET SALES%RATE (Use the numeric entry)**  
Net sales percent rate (max. 5 digits: 0.00 to 100.00)

## ■ Manager

You can program a secret code for each manager.

### Procedure

Program the item as follows:

- **SECRET CODE (Use the numeric entry)**

Secret code (max. 4 digits: 0001 to 9999/0000)

A screenshot of a terminal screen. At the top, it displays '12:10PM' and 'PGM2'. Below this, the word 'MANAGER' is visible. A large rectangular box contains the text '--- NOTHING ---'.

Pertinent  
manager code →

A screenshot of a terminal screen. At the top, it displays '12 10PM' and 'PGM2'. Below this, the text '01' is visible. A rectangular box contains the text 'SECRET CODE' followed by '0000'.

## ■ Employee

You can program various items for each employee.

### Procedure

EMPLOYEE 12 12PM PGM2

--- NOTHING ---

Pertinent employee code → [ENTER]

12:12PM PGM2

0000000001	
SECRET CODE	0000
NAME	0000
SERVER CODE	0000
MANAGER CODE	00
DAYLY STD.HOURS	0
DAYLY OT HOURS	0
WEEKLY STD.HOURS	0
WEEKLY OT HOURS	0
LOCATION#1	00
LOCATION#2	00
LOCATION#3	00

The screen continues.

Program each item as follows:

- **SECRET CODE (Use the numeric entry)**  
Secret code (max. 4 digits: 0001 to 9999/0000)
- **NAME (Use the character entry)**  
Name for the employee. Up to 8 characters can be entered.
- \*1 **SERVER CODE (Use the numeric entry)**  
Server code (max. 4 digits: 0001 to 9999)
- \*2 **MANAGER CODE (Use the numeric entry)**  
Manager code (max. 2 digits: 01 to 99)
- \*3 **DAILY STD. HOURS (Use the numeric entry)**  
Standard number of hours for which the employee should work a day. (max. 3 digits)
- \*3 **DAILY OT HOURS (Use the numeric entry)**  
Number of hours for which the employee may overtime-work a day. (max. 3 digits)
- \*3 **WEEKLY STD. HOURS (Use the numeric entry)**  
Standard number of hours for which the employee should work a week. (max. 3 digits)
- \*3 **WEEKLY OT HOURS (Use the numeric entry)**  
Number of hours for which the employee may overtime-work a week. (max. 3 digits)
- \*3 **LOCATION #1 thru #7 (Use the numeric entry)**  
Job location table number (max. 2 digits: 01 to 99/00)
- **EMPL SAL. LIMIT (Use the numeric entry)**  
Program the limitation (HALO) amount for the employee sale.  
AB is the same as  $A \times 10^B$ .  
A: Significant digit (1 thru 9)  
B: Number of zero to follow the significant digit (0 thru 8)  
You can set AB at 18 for no limitation.

### NOTE

The checking method is:

$[Programmed\ limit\ amount] \geq [Previous\ sales\ total] + [The\ merchandise\ subtotal\ of\ the\ current\ transaction]$

### NOTE

- \*1 The server whom an employee code has been assigned cannot sign on unless the corresponding employee times in.
- \*2 Assign the manager who is responsible or capable for adjustments to the employee's hours.
- \*3 For the details of these settings, refer to Note on "Job location table" described in the following page.

## ■ Job location table

You can program three functions for each job location table number which is assigned to employees.

### Procedure

12:15PM PGM2

JOB LOCATE TBL	
---	NOTHING ---

Pertinent  
job location  
table no.

→ (ENTER)

12 22PM PGM2

01	
TEXT	
SALARY AMOUNT	0.00
OVER-TIME RATE-1	0.00
OVER-TIME RATE-2	0.00

a

Program each item as follows:

- **JOB LOCATE TBL (Use the numeric entry)**

Job location table number (1 to 99)

- **TEXT (Use the character entry)**

Description for the job location table. Up to 8 characters can be entered.

- **SALARY AMOUNT (Use the numeric entry)**

Salary amount paid for the employee (max. 4 digits: 0 to 9999)

- **OVER-TIME RATE-1 (Use the numeric entry)**

Rate 1 for overtime work (max. 3 digits: 0.01 to 9.99)

- **OVER-TIME RATE-2 (Use the numeric entry)**

Rate 2 for overtime work (max. 3 digits: 0.01 to 9.99)

### NOTE

\* You can use job location table settings for corresponding new labor law:

Use the job location table for allocation of days of a week; set Monday through Sunday to LOCATION #1 thru LOCATION #7, and set salary amount (per hour) which is paid for standard work hours.

For employees' overtime control, you can program overtime rate 1 and overtime rate 2.

- Overtime rate 1 and 2 are commonly used for employee's daily salary amount calculation and their weekly salary amount calculation.

- When overtime rate is not set, and when an employee works longer than his or her standard hours, the salary amount is also applied to his or her overtime payment.

When overtime rate 2 only is set, overtime payment is calculated using overtime rate 2 rate only.

When both the overtime rate 1 and overtime rate 2 are set, the overtime rate 1 is applied to the basic overtime hours set in DAILY OT HOURS and WEEKLY OT HOURS in EMPLOYEE programming, and the overtime rate 2 is applied to overtime hours that exceed the basic overtime hours.

- However, note that the over time rate is applied only when employee's actual working time (daily and weekly) exceeded the standard number of hours set in DAILY STD HOURS and WEEKLY STD HOURS respectively in EMPLOYEE programming. Also, when both the overtime rate 1 and 2 are set, note that the overtime rate 2 is applied only when employee's overtime work time exceeded his basic overtime hours.

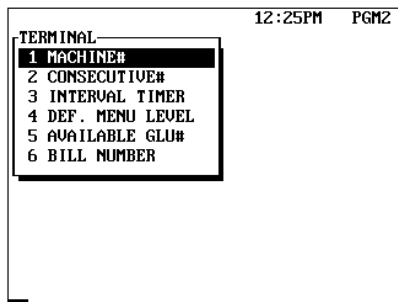
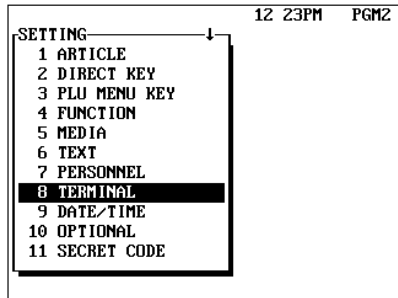
Daily work starting time is controlled the setting in STARTING TIME in Hourly report programming. For example, it is set from 11:00 am, a day starts from 11:00 am and ends 11:00 am of the following day. And, if an employee worked from 10:00 am to 6:00 pm, one hour from 10:00 to 11:00 is calculated as working hour of the previous day.

For the actual operation, each employee must certainly enter his or her time-in, time-out, break-in and break-out times, and job location number for time-in and break-out entry. (You can either include or exclude employees' break time for their salary amount calculation. For the programming details, refer to "Employee reports" on page 168.)

# Terminal Programming

Use the following procedure to select any option included in the terminal group:

## Procedure



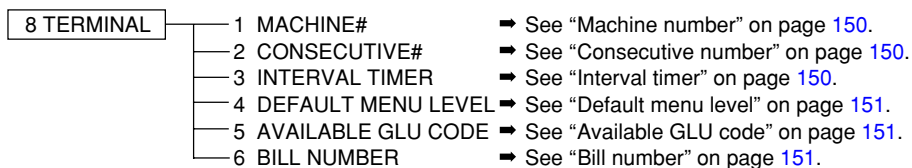
## 1. In the SETTING window, select "8 TERMINAL."

- The TERMINAL window will appear.

## 2. Select any option from the following options list:

1 MACHINE#:	Machine number
2 CONSECUTIVE#:	Consecutive number
3 INTERVAL TIMER:	Interval timer
4 DEFAULT MENU LEVEL	Default menu level
5 AVAILABLE GLU CODE	Available GLU code
6 BILL NUMBER	Bill number

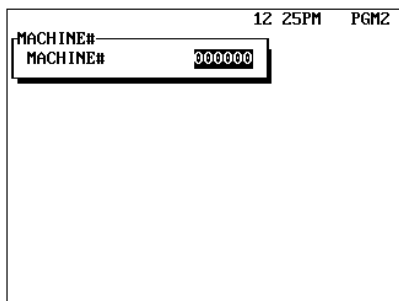
The following illustration shows those options included in the terminal programming group.



## ■ Machine number

When your store has two or more POS terminals, it is practical to assign them unique machine numbers for their identification.

### Procedure



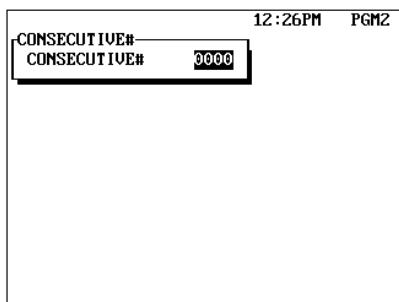
Program the item as follows:

- **MACHINE# (Use the numeric entry)**  
Machine number (max. 6 digits: 0 to 999999)

## ■ Consecutive number

The consecutive number is increased by one each time a receipt is issued.

### Procedure



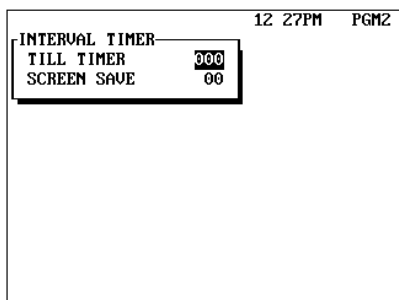
Program the item as follows:

- **CONSECUTIVE# (Use the numeric entry)**  
Enter a number (max. 4 digits: 0 to 9999) that is one less than a desired starting number.

## ■ Interval timer

You can program the timer for THE TILL TIMER™ and the screen save mode timer.

### Procedure



Program each item as follows:

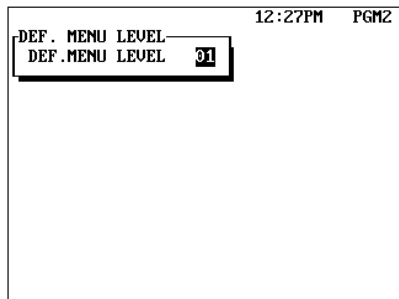
- **TILL TIMER (Use the numeric entry)**  
The POS terminal counts the number of times the drawer is left open for longer than a programmed time limit. The counter will be incremented by one each time a programmed time limit is reached. The time limit for THE TILL TIMER™ can be preset for 0 to 255 seconds. The count is printed on the transaction report and server report. If the number "0" is entered, this function is unavailable.
- **SCREEN SAVE (Use the numeric entry)**  
Screen save mode timer (max. 2 digits: 0 to 99 minutes)  
If the number "0" is entered, the POS terminal will turn the display off after 100 min., if it remains idle.



## ■ Default menu level

You can preset the menu level to be returned after item entry.

### Procedure



12:27PM PGM2

DEF. MENU LEVEL	
DEF. MENU LEVEL	01

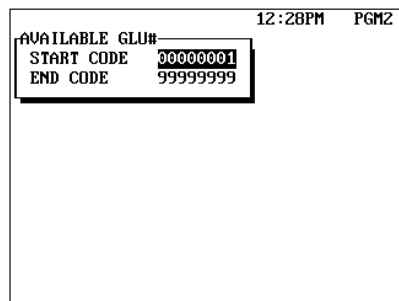
Program the item as follows:

- **DEF. MENU LEVEL (Use the numeric entry)**  
Default menu level (1 to 10)

## ■ Available GLU #

You can specify the range of GLU numbers available for each terminal.

### Procedure



12:28PM PGM2

AVAILABLE GLU#	
START CODE	00000001
END CODE	99999999

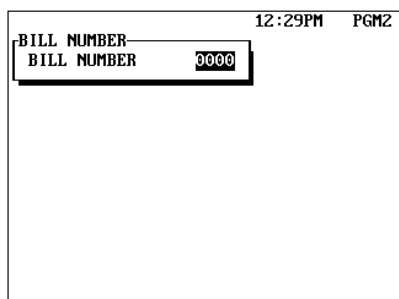
Program the item as follows:

- **START CODE (Use the numeric entry)**  
Start Table#/PBLU code (max. 8 digits: 1 to 99999999)
- **END CODE (Use the numeric entry)**  
End Table#/PBLU code (max. 8 digits: 1 to 99999999)

## ■ Bill number

A consecutive bill number is automatically increased each time a receipt is issued.

### Procedure



12:29PM PGM2

BILL NUMBER	
BILL NUMBER	0000

Program the item as follows:

- **BILL NUMBER (Use the numeric entry)**  
Enter a number (max. 4 digits: 0 to 9999) that is one less than a desired starting number.

# Date/Time Setting

Use the following procedure to select the menu option "9 DATE/TIME":

## ■ Date/time

You can set the date and time for the POS terminal.

### Procedure

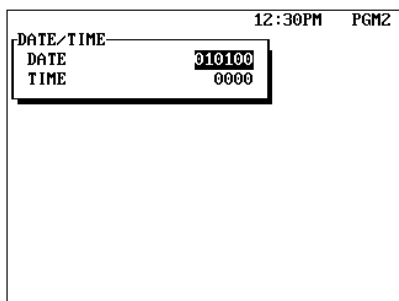
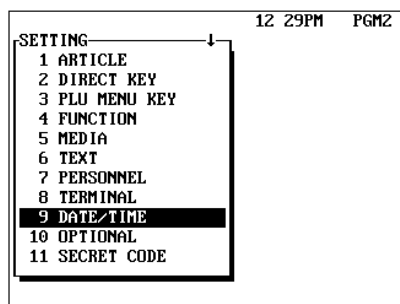
Set each item as follows:

- **DATE (Use the numeric entry)**

Enter the month (2 digits), day (2 digits), and year (2 digits) in this sequence.

- **TIME (Use the numeric entry)**

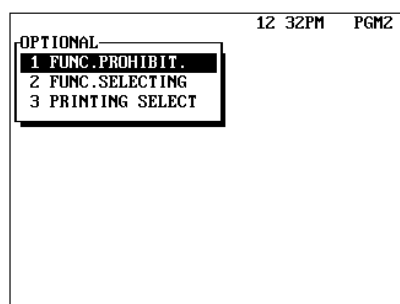
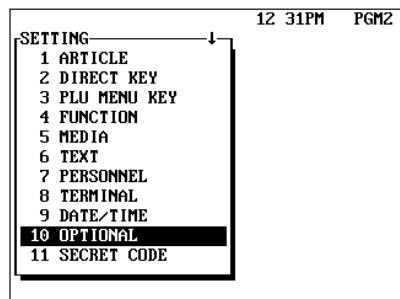
Set the time (max. 4 digits) on the military time (24-hour) system. For example, when the time is set to 2:30 AM, enter 0230; and when it is set to 2:30 PM, enter 1430. The time will be printed and displayed on the real-time system. Once you set the time, the internal clock unit will continue to run as long as the battery pack is charged and also update the date (month, day, year) properly.



# Optional Feature Selection

Use the following procedure to select any option included in the optional group:

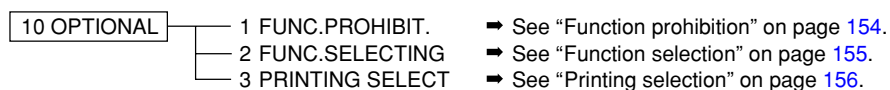
## Procedure



1. In the SETTING window, select "10 OPTIONAL."
  - The OPTIONAL window will appear.

2. Select any option from the following options list:
  - 1 FUNC.PROHIBIT.: Function prohibition
  - 2 FUNC.SELECTING: Function selection
  - 3 PRINTING SELECT: Printing selection

The following illustration shows those options included in the optional feature programming group.



## ■ Function prohibition

Your POS terminal allows you to select whether to enable or disable various functions.

Program each item as follows:

- **SRV REPO IN OPXZ (Use the selective entry)**

DISABLE: Disables a server report printing in the OP X/Z mode.

ENABLE: Enables a server report printing in the OP X/Z mode.

- **PO ENTRY IN REG (Use the selective entry)**

DISABLE: Disables a paid-out entry in the REG mode.

ENABLE: Enables a paid-out entry in the REG mode.

- **RF/RETURN IN REG (Use the selective entry)**

DISABLE: Disables a refund & return entry in the REG mode.

ENABLE: Enables a refund & return entry in the REG mode.

- **1st LAST ITEM VD (Use the selective entry)**

DISABLE: Disables first-item direct void.

ENABLE: Enables first-item direct void.

- **DIRECT VD IN REG (Use the selective entry)**

DISABLE: Disables direct void in the REG mode.

ENABLE: Enables direct void in the REG mode.

- **INDIR. VD IN REG (Use the selective entry)**

DISABLE: Disables indirect void in the REG mode.

ENABLE: Enables indirect void in the REG mode.

- **SBTL VD IN REG (Use the selective entry)**

DISABLE: Disables subtotal void in the REG mode.

ENABLE: Enables subtotal void in the REG mode.

- **VD MODE IN REG (Use the selective entry)**

DISABLE: Disables a void-mode entry in the REG mode.

ENABLE: Enables a void-mode entry in the REG mode.

- **NO SALE IN REG (Use the selective entry)**

DISABLE: Disables no-sale operation in the REG mode.

ENABLE: Enables no-sale operation in the REG mode.

- **PAY WHEN SBTL=0 (Use the selective entry)**

DISABLE: Disables finalization in the REG mode when the subtotal is zero.

ENABLE: Enables finalization in the REG mode when the subtotal is zero.

- **TIP PAID IN REG (Use the selective entry)**

DISABLE: Disables a tip paid entry in the REG mode.

ENABLE: Enables a tip paid entry in the REG mode.

- **TR IN/OUT IN REG (Use the selective entry)**

DISABLE: Disables transfer in/out in the REG mode.

ENABLE: Enables transfer in/out in the REG mode.

- **INDIR. VD IN GLU (Use the selective entry)**

DISABLE: Disables the indirect void/refund/return entry at the GLU re-order.

ENABLE: Enables the indirect void/refund/return entry at the GLU re-order.

- **OPENED GLU DISP (Use the selective entry)**

DISABLE: Not displays GLU currently opened automatically.

ENABLE: Displays and recalls GLU currently opened automatically.

### Procedure

12 33PM PGM2	
↓	
FUNC. PROHIBIT.	
SRV REPO IN OPXZ	ENABLE
PO ENTRY IN REG	ENABLE
RF/RETURN IN REG	ENABLE
1st LAST ITEM VD	ENABLE
DIRECT VD IN REG	ENABLE
INDIR. VD IN REG	ENABLE
SBTL VD IN REG	ENABLE
VD MODE IN REG	ENABLE
NO SALE IN REG	ENABLE
PAY WHEN SBTL=0	ENABLE
TIP PAID IN REG	ENABLE

The screen continues.

## ■ Function selection

Your POS terminal enables you to select various functional selections.

Program each item as follows:

### Procedure

- **LEVEL SFT METHOD (Use the selective entry)**

MANUAL: Lock shift mode

AUTO: Automatic return mode

- **LEVEL SFT IN (Use the selective entry)**

MGR: Allows PLU level shift only in the MGR mode.

MGR&REG: Allows PLU level shift in the MGR and REG modes.

- **PRICE SFT METHOD (Use the selective entry)**

MANUAL: Lock shift mode

AUTO: Automatic return mode

- **PRICE SFT IN (Use the selective entry)**

MGR: Permits PLU price level shift only in the MGR mode.

MGR&REG: Permits PLU price level shift in the MGR and REG modes.

- **RETURN TO LEVEL1 (Use the selective entry)**

When the PLU level shift system is set to "AUTO," the PLU level can be returned to level 1 by one of the following methods:

BY ONE RECEIPT: Returns the PLU level to level 1 by one receipt.

BY ONE ITEM: Returns the PLU level to level 1 by one item.

- **RETURN TO PRICE1 (Use the selective entry)**

When the PLU price shift method is set to "AUTO," the price level can be returned to price 1 by one of the following methods:

BY ONE RECEIPT: Returns the price level to price1 by one receipt.

BY ONE ITEM: Returns the price level to price 1 by one item.

- **SEAT NUMBER (Use the selective entry)**

COMPULSORY: Compulsory seat number entry (GLU operations)

INHIBIT: Inhibited seat number entry (GLU operations)

- **COVER COUNT (Use the selective entry)**

COMPULSORY: Compulsory cover count entry (GLU operations)

NON-COMPULSORY: Non-compulsory cover count entry (GLU operations)

- **TIP ENTRY METHOD (Use the selective entry)**

FIX RATE: Tip entry using a programmed rate

AMOUNT: Manual tip entry

- **SRVR DRW ASSIGN (Use the selective entry)**

COMPULSORY: Compulsory server drawer assignment at sign-on

INHIBIT: Inhibited server drawer assignment at sign-on

- **SHIFT KEY ACTION (Use the selective entry)**

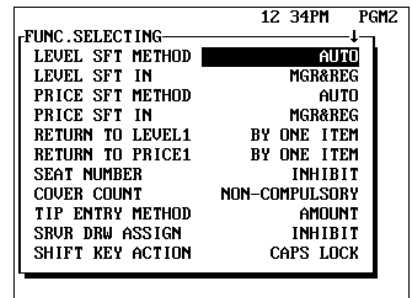
CAPS LOCK: Locks the upper-case letter mode once the shift key is pressed.

SHIFT: Shifts the upper-case letter mode to the lower-case letter mode after a letter is entered.

- **EMPLOYEE SALE (Use the selective entry)**

DETAIL: Selects "DETAIL" for employee sales.

CHARGE AMOUNT: Selects "CHARGE AMOUNT" for employee sales.



The screen continues.

- **AUTO HOURLY REPO (Use the selective entry)**

DISABLE: Disables automatic hourly report.

ENABLE: Enables automatic hourly report.

If "ENABLE" is selected, a hourly report may be issued at hourly intervals automatically.

- **DRIVE SCREEN (Use the selective entry)**

MANUAL: Only when the function key for the drive-through screen is pressed, the drive-through screen appears.

AUTO: When the drive-through registration is made, the drive-through screen beomes the default screen automatically. If the function key for the drive-through screen is pressed, also the drive-through screen appears.

- **COMP.COND.CANCEL (Use the selective entry)**

Select the active mode for the cancel operation from the following items.

MGR&REG: MGR or REG mode

MGR: Only MGR mode

- **SERVER POPUP (Use the selective entry)**

DISABLE: Disables the display of SERVER POPUP when a server is not signed on.

ENABLE: Enables the display of SERVER POPUP when a server is not signed on.

- **WHEN E.J. FULL (Use the selective entry)**

LOCK: Locks programming when electric journal file buffer is full.

CONTINUE: Not locks programming when electric journal (EJ) file buffer is full.

- **WHEN T-LOG FULL (Use the selective entry)**

LOCK: Locks entries at a satellite when T-LOG buffer becomes full.

CONTINUE: Not locks entries at a satellite even when T-LOG butter becomes full.

- **E.J. PRT IN (Use the selective entry)**

MGR: Prints the last five EJ items in MGR mode.

MGR&REG: Prints the last five EJ items in MGR and REG modes.

## ■ Printing selection

You can program various printing functions.

### Procedure

12 34PM PGM2	
PRINTING SELECT	
# OF PURCHASE	NOT PRINT
TIME	PRINT
JOURNAL SELECT	FULL PRINT
JOURNAL LETTER	NORMAL
ITEM ON BILL	PRINT
SHARE%	PRINT
REORDER KP MSG.	PRINT

Program each item as follows:

- **# OF PURCHASE (Use the selective entry)**

PRINT: Prints the number of purchases.

NOT PRINT: Does not print the number of purchases.

- **TIME (Use the selective entry)**

NOT PRINT: Does not print the time on the receipt and journal.

PRINT: Prints the time on the receipt and journal.

- **JOURNAL SELECT (Use the selective entry)**

JOURNAL SELECT: Prints the summary information on the journal.

FULL PRINT: Prints the detailed information on the journal.

- **JOURNAL LETTER (Use the selective entry)**

NORMAL: Prints the normal-size letters on the journal.

SMALL: Prints the compressed-size letters on the journal.

## ■ Printing selection (continued)

- **ITEM ON BILL (Use the selective entry)**

NOT PRINT: Prints no items in a GLU/PBLU transaction on the bill printer.

PRINT: Prints items in a GLU/PBLU transaction on the bill printer.

- **SHARE% (Use the selective entry)**

NOT PRINT: Does not print share percent in the department report.

PRINT: Prints the share percent in the department report.

- **REORDER KP MSG. (Use the selective entry)**

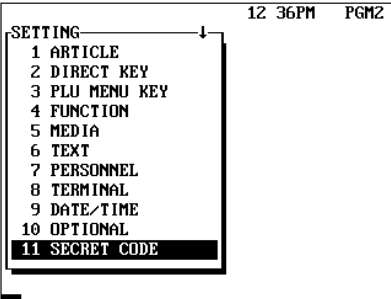
PRINT: Prints reorder message on a kitchen printer.

NOT PRINT: Does not print reorder message on a kitchen printer.

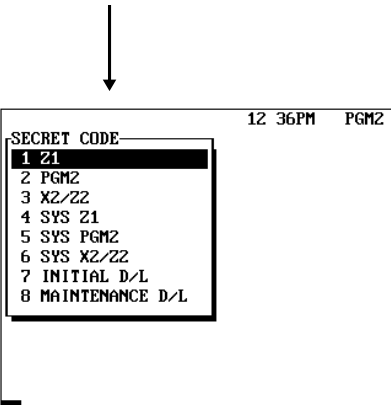
# Secret Code Programming

Use the following procedure to program a secret code:

## Procedure



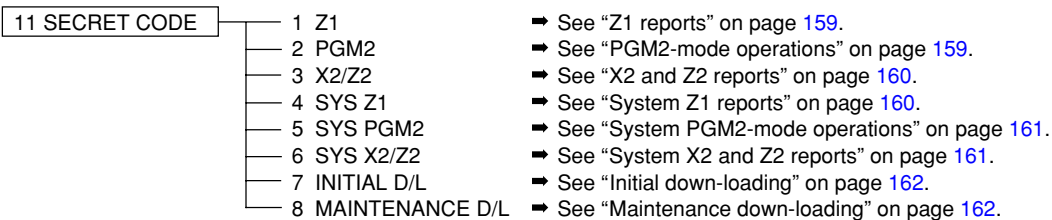
1. In the SETTING window, select "11 SECRET CODE."
  - The SECRET CODE window will appear.



2. Select any option from the following options list:

1 Z1:	Z1 reports
2 PGM2:	PGM2 operations
3 X2/Z2:	X2 and Z2 reports
4 SYS Z1:	System Z1 reports
5 SYS PGM2:	System PGM2 operations
6 SYS X2/Z2:	System X2 and Z2 reports
7 INITIAL D/L:	Initial down-loading
8 MAINTENANCE D/L:	Maintenance down-loading

The following illustration shows those options included in the secret code programming group.





## ■ Z1 reports

You can assign a secret code to each report.

Secret code: max. 4 digits (0001 to 9999/0000) **(Use the numeric entry)**

**NOTE** If "0" is entered, the "compulsory secret code entry" will be canceled.

### Procedure

Z1	12:37PM	PGM2
DEPARTMENT	0000	
PLU	0000	
PLU BY DEPT	0000	
PLU HOURLY GROUP	0000	
TRANSACTION	0000	
ALL SERVER	0000	
IND. SERVER	0000	
ALL MANAGER	0000	
IND. MANAGER	0000	
HOURLY	0000	
GLU	0000	

The screen continues.

Program each item as follows:

DEPARTMENT	Department report
PLU	PLU report
PLU BY DEPT	PLU by department report
PLU HOURLY GROUP	PLU hourly group report
TRANSACTION	Transaction report
ALL SERVER	All server report
IND. SERVER	Individual server report
ALL MANAGER	All manager report
IND. MANAGER	Individual manager report
HOURLY	Hourly report
GLU	GLU report
GLU BY SERVER	GLU by server report
CLOSED GLU	Closed GLU report
CL-GLU BY SERVER	Closed GLU by server report
DRIVE THRU	Drive-through report
D-THRU BY SERVER	Drive-through by server report
CLOSED D-THRU	Closed drive-through report
CL-DT BY SERVER	Closed drive-through by server report
SERVICE TIME	Service time report
STACKED REPORT	Stacked report
EJ REPORT	Electronic journal report

## ■ PGM2-mode operations

You can assign a secret code to each programming operation in the PGM2 mode.

Secret code: max. 4 digits (0001 to 9999/0000) **(Use the numeric entry)**

**NOTE** If "0" is entered, the "compulsory secret code entry" will be canceled.

### Procedure

PGM2	12:37PM	PGM2
ARTICLE	0000	
DIRECT KEY	0000	
PLU MENU KEY	0000	
FUNCTION	0000	
MEDIA	0000	
TEXT	0000	
PERSONNEL	0000	
TERMINAL	0000	
DATE/TIME	0000	
OPTIONAL	0000	
SECRET CODE	0000	

The screen continues.

Program each item as follows:

ARTICLE	Article programming
DIRECT KEY	Direct key programming
PLU MENU KEY	PLU menu key programming
FUNCTION	Function programming
MEDIA	Media programming
TEXT	Text programming
PERSONNEL	Personnel programming
TERMINAL	Terminal programming
DATE/TIME	Date/time programming
OPTIONAL	Optional programming
SECRET CODE	Secret code programming
REPORT	Report programming
LOGO TEXT	Logo programming
PRINTER	Printer programming
GLU CODE	GLU code programming
TAX	Tax programming
TRAINING	Training mode
DATA SEND	Data send
DATA RECEIVE	Data receive

## ■ X2 and Z2 reports

You can assign a secret code to each report shown below.

Secret code: max. 4 digits (0001 to 9999/0000) **(Use the numeric entry)**

**NOTE** If “0” is entered, the “compulsory secret code entry” will be cancelled.

### Procedure

12:38PM PGM2

X2/Z2

ALL MANAGER	0000
IND. MANAGER	0000
OVER TIME	0000

Program each item as follows:

ALL MANAGER	All manager report
IND. MANAGER	Individual manager report
OVER TIME	Over Time report

## ■ System Z1 reports

You can assign a secret code to each system report.

Secret code: max. 4 digits (0001 to 9999/0000) **(Use the numeric entry)**

**NOTE** If “0” is entered, the “compulsory secret code entry” will be canceled.

### Procedure

12:40PM PGM2

SYS Z1

↓

DEPARTMENT	0000
PLU	0000
PLU BY DEPT	0000
PLU HOURLY GROUP	0000
TRANSACTION	0000
ALL SERVER	0000
IND. SERVER	0000
ALL MANAGER	0000
IND. MANAGER	0000
HOURLY	0000
GLU	0000

The screen continues.

Program each item as follows:

DEPARTMENT	Department report
PLU	PLU report
PLU BY DEPT	PLU by department report
PLU HOURLY GROUP	PLU hourly group report
TRANSACTION	Transaction report
ALL SERVER	All server report
IND. SERVER	Individual server report
ALL MANAGER	All manager report
IND. MANAGER	Individual manager report
HOURLY	Hourly report
GLU	GLU report
GLU BY SERVER	GLU by server report
CLOSED GLU	Closed GLU report
CL-GLU BY SERVER	Closed GLU by server report
DRIVE THRU	Drive-through report
D-THRU BY SERVER	Drive-through by server report
CLOSED D-THRU	Closed drive-through report
CL-DT BY SERVER	Closed drive-through by server report
SERVICE TIME	Service time report
STACKED REPORT	Stacked report

## ■ System PGM2-mode operations

You can assign a secret code to each system programming operation in the PGM2 mode.

Secret code: max. 4 digits (0001 to 9999/0000) **(Use the numeric entry)**

**NOTE** If "0" is entered, the "compulsory secret code entry" will be canceled.

### Procedure

SYS PGM2		12:40PM	PGM2
DATA CLEAR	0000		
KP SETTING	0000		
ONLINE SETTING	0000		
CVM SETTING	0000		
CAT SETTING	0000		
MWS SETTING	0000		
INLINE SETTING	0000		

Program each item as follows:

DATA CLEAR	Data clear
KP SETTING	Kitchen printer setting
ONLINE SETTING	Online setting
CVM SETTING	CVM setting
CAT SETTING	CAT setting
MWS SETTING	Manager work station setting
INLINE SETTING	Inline setting

## ■ System X2 and Z2 reports

You can assign a secret code to each report shown below.

Secret code: max. 4 digits (0001 to 9999/0000) **(Use the numeric entry)**

**NOTE** If "0" is entered, the "compulsory secret code entry" will be cancelled.

### Procedure

SYS X2/Z2		12 41PM	PGM2
ALL MANAGER	0000		
IND. MANAGER	0000		
OVER TIME	0000		

Program each item as follows:

ALL MANAGER	All manager report
IND. MANAGER	Individual manager report
OVER TIME	Over Time report

## ■ Initial down-loading (with clearing of memory)

You can assign a secret code to each preset data to be downloaded.

Secret code: max. 4 digits (0001 to 9999/0000) **(Use the numeric entry)**

**NOTE** If "0" is entered, the "compulsory secret code entry" will be canceled.

### Procedure

INITIAL D/L		12:42PM	PGM2
DEPT	0000		
DIRECT KEY	0000		
PLU	0000		
LINK PLU	0000		
PLU STOCK	0000		
CONDIMENT	0000		
MIX&MATCH	0000		
RECIPE	0000		
INGREDIENT	0000		
PLU MENU KEY	0000		
COMBO MEAL	0000		

The screen continues.

Program each item as follows:

DEPT	Department preset
DIRECT KEY	Direct department/PLU preset
PLU	PLU/Link preset
LINK PLU	Link PLU preset
PLU STOCK	PLU stock quantity
CONDIMENT	Condiment PLU preset
MIX&MATCH	Mix & Match preset
RECIPE	Recipe preset
INGREDIENT	Ingredient preset
PLU MENU KEY	PLU menu key preset
COMBO MEAL	Combo meal preset
INGREDIENT STOCK	Ingredient stock quantity
TRANSACTION	Transaction preset
SERVER SIGN OFF	All server sign off
MANAGER	Manager preset
OPTION	Other preset
DATE/TIME	Date/time preset
DEF. MENU LEVEL	Default menu level
LOGO	Logo text preset
TAX	Tax preset
ONLINE PRESET	Online preset
INLINE PRESET	Inline preset
KP PRESET	Kitchen printer preset
DEVICE ASSIGN	Device assignment preset
ALL PGM	All PGM preset

## ■ Maintenance down-loading (without clearing of memory)

You can assign a secret code to each preset data to be downloaded.

Secret code: max. 4 digits (0001 to 9999/0000) **(Use the numeric entry)**

**NOTE** If "0" is entered, the "compulsory secret code entry" will be canceled.

### Procedure

MAINTENANCE D/L		12 42PM	PGM2
DEPT	0000		
DEPT PRICE	0000		
PLU	0000		
PLU PRICE	0000		
LINK PLU	0000		
PLU STOCK	0000		
CONDIMENT	0000		
MIX&MATCH	0000		
RECIPE	0000		
INGREDIENT	0000		
COMBO MEAL	0000		

The screen continues.

Program each item as follows:

DEPT	Department preset
DEPT PRICE	Department price preset
PLU	PLU preset
PLU PRICE	PLU price preset
LINK PLU	Link PLU preset
PLU STOCK	PLU stock preset
CONDIMENT	Condiment PLU preset
MIX&MATCH	Mix & Match preset
RECIPE	Recipe preset
INGREDIENT	Ingredient preset
COMBO MEAL	Combo meal preset
INGREDIENT STOCK	Ingredient stock preset
TRANSACTION	Transaction preset

# Report Programming

Use the following procedure to select any option included in the report group:

## Procedure

12 45PM PGM2

SETTING

- 9 DATE/TIME
- 10 OPTIONAL
- 11 SECRET CODE
- 12 REPORT**
- 13 LOGO TEXT
- 14 PRINTER
- 15 GLU CODE
- 16 TAX
- 17 TRAINING
- 18 BACKUP SEND
- 19 BACKUP RECEIVE

12 45PM PGM2

REPORT

- 1 0 SKIP**
- 2 HOURLY RPT
- 3 STACKED RPT
- 4 EMPLOYEE

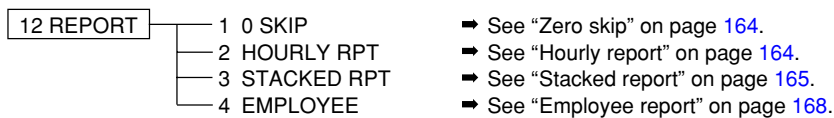
## 1. In the SETTING window, select "12 REPORT."

- The REPORT window will appear.

## 2. Select any option from the following options list:

- |                |                 |
|----------------|-----------------|
| 1 0 SKIP:      | Zero skip       |
| 2 HOURLY RPT:  | Hourly report   |
| 3 STACKED RPT: | Stacked report  |
| 4 EMPLOYEE:    | Employee report |

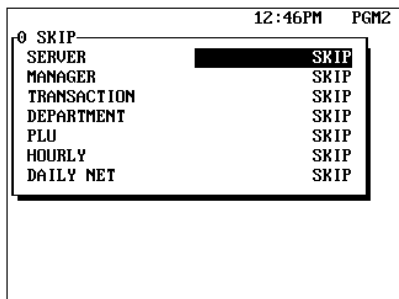
The following illustration shows those options included in the report programming group.



## ■ Zero skip

You can program whether or not to skip “0” in each report.

### Procedure



12:46PM PGM2

0 SKIP	
SERVER	SKIP
MANAGER	SKIP
TRANSACTION	SKIP
DEPARTMENT	SKIP
PLU	SKIP
HOURLY	SKIP
DAILY NET	SKIP

Program each item as follows:

- **SERVER (Use the selective entry)**

NOT SKIP: Does not skip those data that are “0” sales in the server report.

SKIP: Skips those data that are “0” sales in the server report.

- **MANAGER (Use the selective entry)**

NOT SKIP: Does not skip those data that are “0” sales in the manager report.

SKIP: Skips those data that are “0” sales in the manager report.

- **TRANSACTION (Use the selective entry)**

NOT SKIP: Does not skip those data that are “0” sales in the transaction report.

SKIP: Skips those data that are “0” sales in the transaction report.

- **DEPARTMENT (Use the selective entry)**

NOT SKIP: Does not skip those data that are “0” sales in the department report.

SKIP: Skips those data that are “0” sales in the department report.

- **PLU (Use the selective entry)**

NOT SKIP: Does not skip those data that are “0” sales in the PLU report.

SKIP: Skips those data that are “0” sales in the PLU report.

- **HOURLY (Use the selective entry)**

NOT SKIP: Does not skip those data that are “0” sales in the hourly report.

SKIP: Skips those data that are “0” sales in the hourly report.

- **DAILY NET (Use the selective entry)**

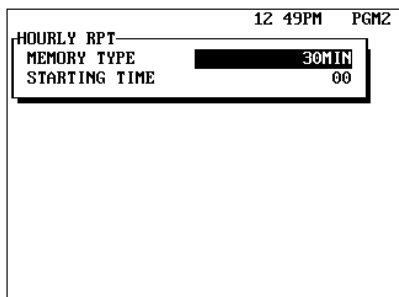
NOT SKIP: Does not skip those data that are “0” sales in the daily net report.

SKIP: Skips those data that are “0” sales in the daily net report.

## ■ Hourly report

You can program the memory type and the starting time for the hourly report.

### Procedure



12:49PM PGM2

HOURLY RPT	
MEMORY TYPE	30MIN
STARTING TIME	00

Program each item as follows:

- **MEMORY TYPE (Use the selective entry)**

15MIN: Selects the 15-minute type.

30MIN: Selects the 30-minute type.

60MIN: Selects the 60-minute type.

- **STARTING TIME (Use the numeric entry)**

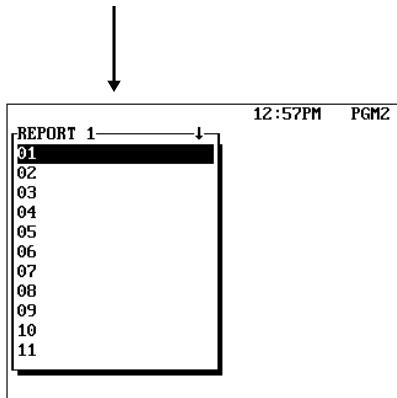
Starting time entry (max. 2 digits: 0 to 23)

## ■ Stacked report

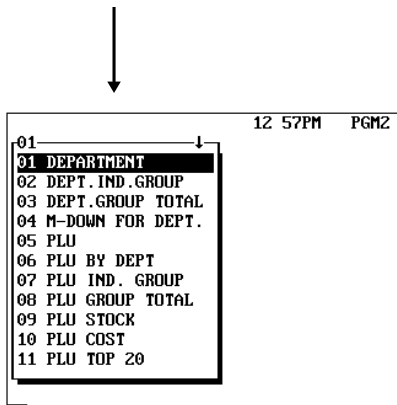
Your POS terminal is equipped with the stacked report printing function that enables multiple X/Z reports to be printed in sequence with a single request.

### Procedure

Select a stacked report no. from the stacked reports list.



The screen continues.



The screen continues.

You can select a maximum of twenty reports from the stacked reports list. Some reports can be set their parameters such as "START CODE" and "END CODE."

- **01 DEPARTMENT (Use the numeric entry)**

Full department report

Parameter: Start department no./end department no. (1 thru 50)

- **02 DEPT.IND.GROUP (Use the numeric entry)**

Individual group report on departments

Parameter: Department group no. (1 thru 9)

- **03 DEPT.GROUP TOTAL**

Full group total report on departments

- **04 M-DOWN FOR DEPT. (Use the numeric entry)**

Markdown for department report

Parameter: Start department no./end department no. (1 thru 50)

- **05 PLU (Use the numeric entry)**

PLU report by designated range

Parameter: Start PLU no./end PLU no. (1 thru 999999)

- **06 PLU BY DEPT (Use the numeric entry)**

PLU report by associated departments

Parameter: Department no. (1 thru 50)

- **07 PLU IND. GROUP (Use the numeric entry)**

PLU report by individual group

Parameter: PLU group no. (00 thru 99)

- **08 PLU GROUP TOTAL**

Full group total report on PLUs

- **09 PLU STOCK (Use the numeric entry)**

PLU stock report

Parameter: Start PLU no./end PLU no. (1 thru 999999)

- **10 PLU COST (Use the numeric entry)**

PLU cost report

Parameter: Start PLU no./end PLU no. (1 thru 999999)

- **11 PLU TOP 20 (Use the numeric entry)**

PLU top 20 report

Parameter: AMOUNT/QUANTITY

## ■ Stacked report (continued)

- **12 PLU ZERO SALES (Use the selective/numeric entry)**  
PLU zero sales report  
Parameter: 1 ALL/2 BY DEPT.  
When "2 BY DEPT." is selected, enter a department no. (1 thru 50).
- **13 PLU MIN. STOCK (Use the numeric entry)**  
PLU minimum stock report  
Parameter: Start PLU no./end PLU no. (1 thru 999999)
- **14 PLU HOURLY GROUP (Use the numeric entry)**  
PLU hourly group report  
Parameter: Start time/end time (0 thru 2345)
- **15 TRANSACTION**  
Transaction report
- **16 CID**  
Cash in drawer report
- **17 TAX**  
Tax report
- **18 ALL SERVER**  
Full server report
- **19 IND. SERVER (Use the numeric entry)**  
Individual server report  
Parameter: Server code (1 thru 9999)
- **20 ALL MANAGER**  
Full manager report
- **21 IND. MANAGER**  
Individual server report  
Parameter: Manager code (1 thru 99)
- **22 EMPLOYEE (Use the numeric entry)**  
Employee report  
Start employee code/end employee code (1 thru 9999999999)
- **23 EMP. ADJUSTMENT (Use the numeric entry)**  
Employee adjustment report  
Parameter: Start employee code/end employee code (1 thru 9999999999)
- **24 EMP. ACTIVE STS. (Use the numeric entry)**  
Employee active status report  
Parameter: Start employee code/end employee code (1 thru 9999999999)
- **25 EMP.SALE(DETAIL) (Use the numeric entry)**  
Detailed employee sales report  
Parameter: Start employee code/end employee code (1 thru 9999999999)
- **26 EMP.SALE(ALL CL) (Use the numeric entry)**  
Employee sales (limited) report  
Parameter: Start employee code/end employee code (1 thru 9999999999)



## ■ Stacked report (continued)

- **27 HOURLY (Use the numeric entry)**

Hourly report

Parameter: Start time/end time (0 thru 2345)

### NOTE

*To take the hourly Z report, you have to specify the full-range hourly report.*

- **28 LABOR COST%**

Labor cost percent report

- **29 OVER TIME (Use the numeric entry)**

Employee over time report

Parameter: Start employee code/end employee code (1 thru 9999999999)

- **30 EMPLOYEE SUMMARY**

Employee summary report

Parameter: Start employee code/end employee code (1 thru 9999999999)

- **31 DAILY NET**

Daily net report

- **32 INGREDIENT STOCK (Use the numeric entry)**

Ingredient stock report

Parameter: Start ingredient code/end ingredient code (1 thru 999)

- **33 GLU (Use the numeric entry)**

GLU/PBLU report

Parameter: Start GLU code/end GLU code (1 thru 999999999)

- **34 GLU BY SERVER (Use the numeric entry)**

GLU/PBLU report by server

Parameter: Server code (1 thru 9999/Up to 255 servers can be assigned.)

- **35 CLOSED GLU (Use the numeric entry)**

Closed GLU/PBLU report

Parameter: Start GLU code/end GLU code (1 thru 999999999)

- **36 CL-GLU BY SERVER (Use the numeric entry)**

Closed GLU/PBLU report by server

Parameter: Server code (1 thru 9999/Up to 255 servers can be assigned.)

- **37 DRIVE THRU (Use the numeric entry)**

Drive-through report

Parameter: Start drive-through code/end drive-through code (1 thru 999999999)

- **38 D-THRU BY SERVER (Use the numeric entry)**

Drive-through report by server

Parameter: Server code (1 thru 9999/Up to 255 servers can be assigned.)

- **39 CLOSED D-THRU (Use the numeric entry)**

Closed drive-through report

Parameter: Start drive-through code/end drive-through code (1 thru 999999999)

- **40 CL-DT BY SERVER (Use the numeric entry)**

Closed drive-through report by server

Parameter: Server code (1 thru 9999/Up to 255 servers can be assigned.)

- **41 SERVICE TIME**

Drive-through service time report

## ■ Employee report

You can program items for the payment the employees' salary.

### Procedure

EMPLOYEE	
PAYMENT PERIOD	NOT USED
PERIOD-1 START	01
PERIOD-2 START	01
PAY FOR BREAK	NO

Program each item as follows:

- **PAYMENT PERIOD (Use the selective entry)**

NOT USED: Does not specify payment period.  
MONTHLY: Payment is done once a month.  
SEMI-MONTHLY: Payment is done twice a month.

- **PERIOD-1 START (Use the numeric entry)**

Starting day of payment for monthly payment, or starting day of first-half payment for semi-monthly payment.

- **PERIOD-2 START (Use the numeric entry)**

Starting day of second-half payment for semi-monthly payment.

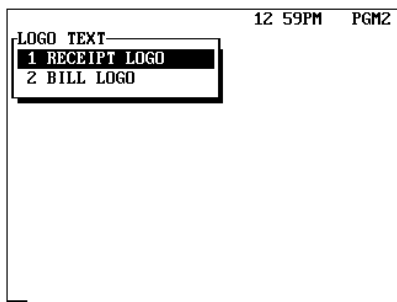
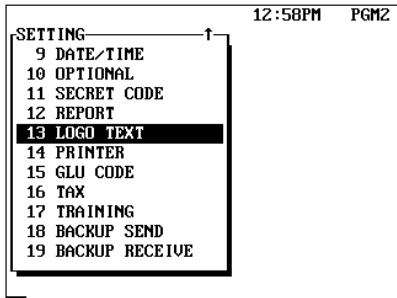
- **PAY FOR BREAK (Use the selective entry)**

NO: Does not make payment for break period (that is, break period is not included in the working time.)  
YES: Makes payment for break period (that is, break period is included in the working time.)

# Logo Text Programming

Use the following procedure to select any option included in the logo text group.

## Procedure



1. In the SETTING window, select "13 LOGO TEXT."
  - The LOGO TEXT window will appear.

2. Select any option from the following options list:

- 1 RECEIPT LOGO: Receipt logo
- 2 BILL LOGO: Bill logo

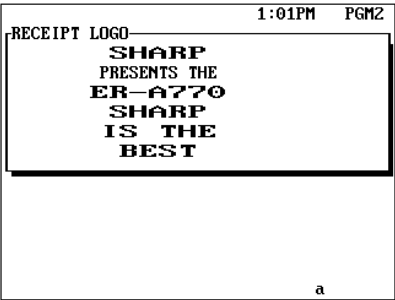
The following illustration shows those options included in the logo text programming group.



# ■ Receipt logo

Your POS terminal can print programmed messages for customers on every receipt.

## Procedure



Program the item as follows:

- **RECEIPT LOGO (Use the character entry)**

Logo text for the receipt (max. 40 characters x 6 lines)

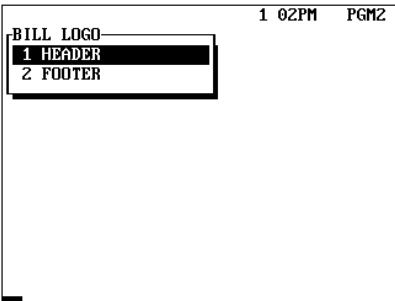
### NOTE

*The programmable number of lines for a message varies according to the message type: the “3-line header message” type, “3-line footer message” type, “6-line header message” type and “Stamp only” type. Please contact your authorized SHARP dealer.*

# ■ Bill logo

Your POS terminal can print programmed messages for customers on the bill.

## Procedure



When “1 HEADER” is selected:

- **BILL HEADER (Use the character entry)**

Header text for the bill (max. 40 characters x 3 lines)

When “2 FOOTER” is selected:

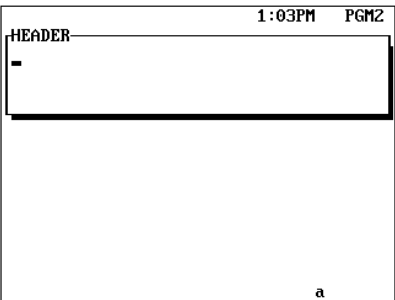
- **BILL FOOTER (Use the character entry)**

Footer text for the bill (max. 40 characters x 6 lines)

### NOTE

*Header/Footer text for bill printer programming.*

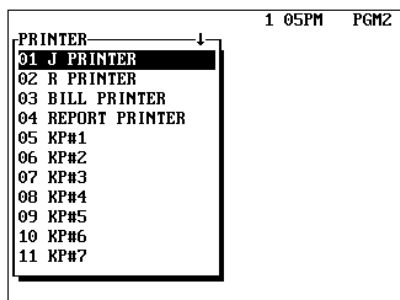
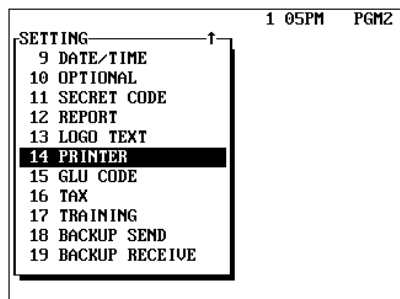
It is assumed that you have selected “1 HEADER.”



# Printer Programming

Use the following procedure to select a printer programming:

## Procedure



The screen continues.

1. In the SETTING window, select "14 PRINTER."
  - The PRINTER window will appear.

2. Select any option from the following options list:

01 J PRINTER:	Journal printer
02 R PRINTER:	Receipt printer
03 BILL PRINTER:	Bill printer
04 REPORT PRINTER:	Report printer
05 KP#1:	Remote printer #1
06 KP#2:	Remote printer #2
07 KP#3:	Remote printer #3
08 KP#4:	Remote printer #4
09 KP#5:	Remote printer #5
10 KP#6:	Remote printer #6
11 KP#7:	Remote printer #7
12 KP#8:	Remote printer #8
13 KP#9:	Remote printer #9

The following illustration shows those options included in the printer programming group.

14 PRINTER	01 J PRINTER:	➔ See "Printer" on page 172.
	02 R PRINTER:	➔ See "Printer" on page 172.
	03 BILL PRINTER:	➔ See "Printer" on page 172.
	04 REPORT PRINTER:	➔ See "Printer" on page 172.
	05 KP#1:	➔ See "Printer" on page 172.
	06 KP#2:	➔ See "Printer" on page 172.
	07 KP#3:	➔ See "Printer" on page 172.
	08 KP#4:	➔ See "Printer" on page 172.
	09 KP#5:	➔ See "Printer" on page 172.
	10 KP#6:	➔ See "Printer" on page 172.
	11 KP#7:	➔ See "Printer" on page 172.
	12 KP#8:	➔ See "Printer" on page 172.
	13 KP#9:	➔ See "Printer" on page 172.

# ■ Printer

You can program various printing functions for each printer.

## Procedure

Select a pertinent printer type from the printer's list.

↓

J PRINTER1 07PM PGM2

PRINTER NAME

AUTO CUTTER

PAPER SHEET

SHARP ER-01PU

YES

ONE SHEET

Program each item as follows:

- PRINTER NAME (Use the selective entry)**  
Select the printer to be used.  
EPSON TM-300: TM-300 manufactured by EPSON  
SHARP ER-03/04RP: ER-03RP and ER-04RP manufactured by SHARP  
EPSON TM-T88/85: TM-T85 manufactured by EPSON  
EPSON TM-T80: TM-T80 manufactured by EPSON  
SHARP ER-01PU: ER-01PU manufactured by SHARP  
EPSON TM-U200: TM-U200 manufactured by EPSON  
EJ FILE (Displayed only in the "J PRINTER" window.)

- AUTO CUTTER (Use the selective entry)**  
Auto cutter function  
NO: Disables auto cutter function.  
YES: Enables auto cutter function.

**NOTE**  
*When the "ER-03RP" is connected, select "NO."*

- PAPER SHEET (Use the selective entry)**  
Select a paper type.  
TWO OR MORE: Uses two or more sheets.  
ONE SHEET: Uses one sheet.

**NOTE**  
*This option is available when the "TM-300" is selected.*

- TRAY ST FEED# (Use the numeric entry)**  
Tray subtotal feed line (max. 1 digit: 0 to 9)

**NOTE**  
*This option is displayed only in the "R PRINTER" window.*

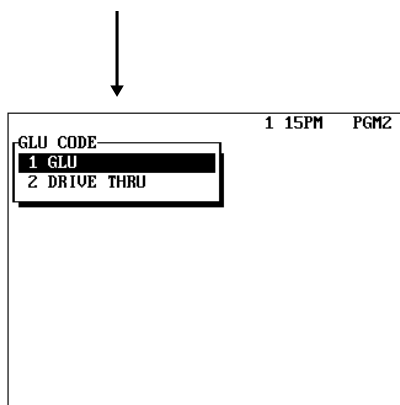
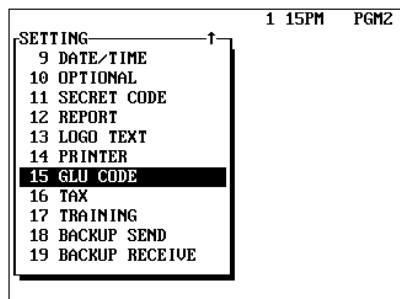
- LOGO TEXT PRINT (Use the selective entry)**  
Select the logo text printing status.  
NOT PRINT: Logo text is not printed.  
PRINT: Logo text is printed.

**NOTE**  
*This option is displayed only in the "REPORT PRINTER" window.*

# GLU Code Programming

Use the following procedure to select any option included in the GLU code group:

## Procedure



1. In the SETTING window, select "15 GLU CODE."
  - The GLU CODE window will appear.

2. Select any item from the following options list:
  - 1 GLU: Table#/PBLU code
  - 2 DRIVE THRU: Drive-through code

The following illustration shows those options included in the Table#/PBLU code programming group.



## ■ Table#/PBLU code

You can program the range of available guest check codes (table# or PBLU code).

### Procedure

GLU		1:16PM	PGM2
START CODE	00000001		
END CODE	99999999		

Program each item as follows:

- **START CODE (Use the numeric entry)**  
Start GLU code (max. 8 digits: 1 to 99999999)
- **END CODE (Use the numeric entry)**  
End GLU code (max. 8 digits: 1 to 99999999)

## ■ Drive-through code

You can program the range of available drive-through codes.

### Procedure

DRIVE THRU		1 18PM	PGM2
START CODE	00000001		
END CODE	99999999		
TIME	0100		

Program each item as follows:

- **START CODE (Use the numeric entry)**  
Start drive-through code (max. 8 digits: 1 to 99999999)
- **END CODE (Use the numeric entry)**  
End drive-through code (max. 8 digits: 1 to 99999999)
- **TIME (Use the numeric entry)**  
Drive-through target time:  
Enter the minute (2 digits) and the second (2 digits) in this sequence.

### NOTE

*When the customer's waiting time is over the programmed target time, the terminal will display a warning.*



# Tax Programming

Use the following procedure to select any option included in the tax group:

## Procedure

```

SETTING
9 DATE/TIME
10 OPTIONAL
11 SECRET CODE
12 REPORT
13 LOGO TEXT
14 PRINTER
15 GLU CODE
16 TAX
17 TRAINING
18 BACKUP SEND
19 BACKUP RECEIVE
    
```

```

TAX
1 TAX1
2 TAX2
3 TAX3
4 TAX4
    
```

1. In the SETTING window, select "16 TAX."

- The TAX window will appear.

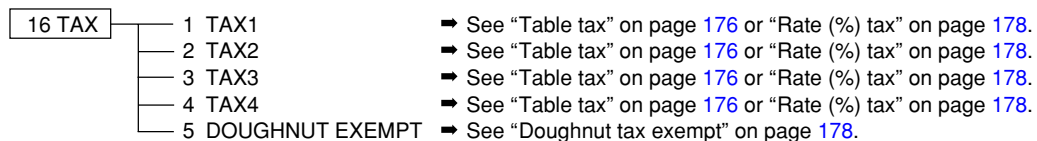
2. Select any option from the following options list:

- |                    |  |
|--------------------|--|
| 1 TAX1:            | Tax1   |
| 2 TAX2:            | Tax2   |
| 3 TAX3:            | Tax3   |
| 4 TAX4:            | Tax4   |
| 5 DOUGHNUT EXEMPT: | Doughnut exemption (for the Canadian tax system) |

## NOTE

- The option "5 DOUGHNUT EXEMPT" appears only when the Canadian tax system is selected.
- If the **[DEL]** key is pressed on the tax number selection menu, the tax table or the tax in the cursor position will be deleted.

The following illustration shows those options included in the tax programming group.



## ■ Table tax

Your POS terminal has an automatic tax calculation feature which allows you to program four tax tables to avoid calculating incorrect tax amounts.

Automatic tax calculations require you to program, in addition to the tax table, the tax status of each pertinent department, PLU, and function key.

### Sample tax table

New Jersey tax table: 6%

Tax	Range of sales amount			A: Difference between a minimum breakpoint and the next one (¢)	
	Minimum breakpoint		Maximum breakpoint		
.00	.01	to	.10	-	B: Non-cyclic
.01-T	.11-Q	to	.22	10 (0.11 - 0.01)	
.02	.23	to	.38	12 (0.23 - 0.11)	C: Cyclic 1
.03	.39	to	.56	16 (0.39 - 0.23)	
.04	.57	to	.72	18 (0.57 - 0.39)	
.05	.73	to	.88	16 (0.73 - 0.57)	
.06	.89	to	1.10	16 (0.89 - 0.73)	
.07	1.11-M1	to	1.22	22 (1.11 - 0.89)	D: Cyclic 2
.08	1.23	to	1.38	12 (1.23 - 1.11)	
.09	1.39	to	1.56	16 (1.39 - 1.23)	
.10	1.57	to	1.72	18 (1.57 - 1.39)	
.11	1.73	to	1.88	16 (1.73 - 1.57)	
.12	1.89	to	2.10	16 (1.89 - 1.73)	
.13	2.11-M2	to	2.22	22 (2.11 - 1.89)	

To program a tax table, first make a table like the right table shown above.

From the tax table, calculate the differences between a minimum breakpoint and the next one (A). Then, from the differences, find irregular cycles (B) and regular cycles (C and D). These cycles will show you the following items necessary to program the tax table:

- T:** Tax amount collected on the minimum taxable amount (Q)
- Q:** Minimum taxable amount
- M1:** Maximum value of the minimum breakpoint on a regular cycle (C).  
We call this point "MAX point."
- M2:** Maximum value of the minimum breakpoint on a regular cycle (D).  
We call this point "MAX point."
- M:** Range of the minimum breakpoint on a regular cycle: difference between Q and M1 or between M1 and M2

## ■ Table tax (continued)

### Procedure

Select a pertinent tax no. from the taxes list.

The first screenshot shows a screen titled 'TAX1' with a cursor on '1 TABLE TAX' and '2 %TAX' below it. The time is 1:20PM and the page is PGM2.

The second screenshot shows a screen titled 'TABLE TAX' with a cursor on '1 INTUL BELOW 0.99' and '2 INTUL ABOVE 1.00' below it. The time is 1:20PM and the page is PGM2.

The third screenshot shows a screen titled 'TABLE TAX' with a list of parameters and their values. The time is 1:24PM and the page is PGM2.

Parameter	Value
TAX RATE	0.0000%
CYCLE	0.00
INITIAL TAX	0.00
LOWER TAX LIMIT	0.00
BREAK POINT1	0.00
BREAK POINT2	0.00
BREAK POINT3	0.00
BREAK POINT4	0.00
BREAK POINT5	0.00
BREAK POINT6	0.00
BREAK POINT7	0.00

The screen continues.

Program each item as follows:

- **TAX RATE (Use the numeric entry)**

Tax rate for the tax table (max. 7 digits: 0.0000 to 999.9999)

- **CYCLE (Use the numeric entry)**

Range of the minimum breakpoint on a regular cycle for the tax table (max. 4 digits: 0.01 to 99.99)

See the description "M" shown on the previous page.

- **INITIAL TAX (Use the numeric entry)**

Initial tax amount for the tax table (max. 3 digits: 0.01 to 9.99)

See the description "T" shown on the previous page.

- **LOWER TAX LIMIT (Use the numeric entry)**

Minimum taxable amount for the tax table (max. 5 digits: 0.01 to 999.99)

See the description "Q" shown on the previous page.

- **BREAK POINT1 thru 72 (Use the numeric entry)**

Breakpoints programmable for the tax table (max. 5 digits: 0.01 to 999.99)

Seventy-two breakpoints can be programmed for each tax table. When the interval between breakpoints is one dollar or more and less than one-hundred dollar, 36 breakpoints are programmed for each tax table.

# ■ Rate (%) tax

You can program a tax rate for each tax rate number.

## Procedure

Select a pertinent tax no. from the taxes list.

1:25PM PGM2

TAX1

1 TABLE TAX

2 %TAX

1:27PM PGM2

%TAX

TAX RATE 0.0000%

LOWER TAX LIMIT 0.00

Program each item as follows:

- **TAX RATE (Use the numeric entry)**  
Tax rate (max. 7 digits: 0.0000 to 999.9999%)
- **LOWER TAX LIMIT (Use the numeric entry)**  
Lowest taxable amount (max. 5 digits: 0.01 to 999.99)

# ■ Doughnut tax exempt (for the Canadian tax system)

## Procedure

1:29PM PGM2

DOUGHNUT EXEMPT

QUANTITY 0

Program the item as follows:

- **QUANTITY (Use the numeric entry)**  
Quantity for the doughnut tax exempt (for Canadian tax)  
(max. 2 digits: 1 to 99/0)

### NOTE

*This option is available only when the Canadian tax system is selected.*

# TRAINING Mode Selection

Use the following procedure to select the training mode:

## ■ TRAINING mode

You will use the TRAINING mode if you need to train someone in machine operations without any change in POS terminal's memory. Reports are not available. When the training is completed, exit this mode and put your POS terminal back into the normal mode of operation.

### Procedure

```
SETTING 1 31PM PGM2
9 DATE/TIME
10 OPTIONAL
11 SECRET CODE
12 REPORT
13 LOGO TEXT
14 PRINTER
15 GLU CODE
16 TAX
17 TRAINING
18 BACKUP SEND
19 BACKUP RECEIVE
```



```
TRAINING 1 32PM PGM2
TRAINING MODE NO
```

Program the item as follows:

- **TRAINING MODE (Use the selective entry)**

YES: Allows entering the training mode.

NO: Disallows entering the training mode.

### NOTE

- All operations in the training mode are the same as the REG-mode operations.
- In the training mode, the consecutive number is incremented.
- The cash drawer does not open in the training mode.  
Items normally sent to the remote printers are not sent.

# Backup Data Send Programming

Use the following procedure to select the menu option "18 BACKUP SEND":

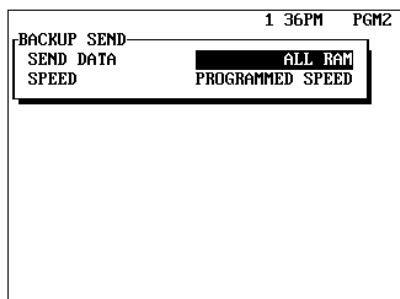
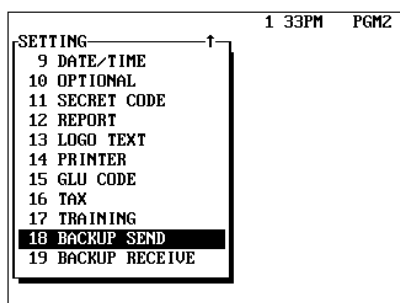
## NOTE

For more information, please consult your authorized SHARP dealer.

## ■ Backup data send

Your POS terminal can send data to another device.

### Procedure



Program each item as follows:

#### • SEND DATA (Use the selective entry)

Select one of the following options (data sources):

- ALL RAM
- SSP

#### • SPEED (Use the selective entry)

Select one of the following options (data transmission speeds):

PROGRAMMED SPEED: Sends data at a programmed speed.

115200bps: Sends data at 115200 bps.

57600bps: Sends data at 57600 bps.

38400bps: Sends data at 38400 bps.

19200bps: Sends data at 19200 bps.

9600bps: Sends data at 9600 bps.

4800bps: Sends data at 4800 bps.

2400bps: Sends data at 2400 bps.

# Backup Data Receive Programming

Use the following procedure to select the menu option “19 BACKUP RECEIVE”:

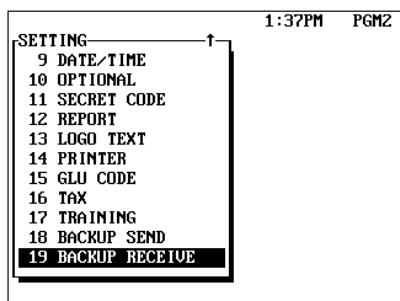
## NOTE

For more information, please consult your authorized SHARP dealer.

## ■ Backup data receive

Your POS terminal can receive data from another device.

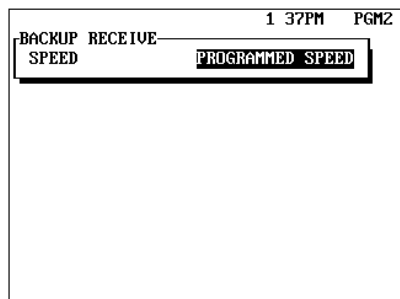
### Procedure



1:37PM PGM2

SETTING

- 9 DATE/TIME
- 10 OPTIONAL
- 11 SECRET CODE
- 12 REPORT
- 13 LOGO TEXT
- 14 PRINTER
- 15 GLU CODE
- 16 TAX
- 17 TRAINING
- 18 BACKUP SEND
- 19 BACKUP RECEIVE**



1 37PM PGM2

BACKUP RECEIVE

SPEED **PROGRAMMED SPEED**

Program the item as follows:

#### • SPEED (Use the selective entry)

Select one of the following options (data transmission speeds):

PROGRAMMED SPEED: Receives data at a programmed speed.

115200bps: Receives data at 115200 bps.

57600bps: Receives data at 57600 bps.

38400bps: Receives data at 38400 bps.

19200bps: Receives data at 19200 bps.

9600bps: Receives data at 9600 bps.

4800bps: Receives data at 4800 bps.

2400bps: Receives data at 2400 bps.

CAUTION: The receiving unit must have equal or greater memories than the terminal sending the program.

# PLU Updating (in the PGM1 Mode)

The PLU UPDATE is chiefly used for daily changes of the PLU's unit price or name by supervisor or manager.

## Procedure

PGM1 MODE 10:44AM PGM1

- 1 READING
- 2 SETTING
- 3 PLU UPDATE


PLU 10:45AM PGM1

- 000001 PL000001
- 000002 PL000002
- 000003 PL000003
- 000004 PL000004
- 000005 PL000005
- 000006 PL000006
- 000007 PL000007
- 000008 PL000008
- 000009 PL000009
- 000010 PL000010
- 000011 PL000011

000001 10:46AM PGM1

PRICE 1	0.01
NAME FOR PRICE1	PL000001
KP TEXT PRICE1	PL000001

To program a unit price or name for the PLU as follows:

1. In the PGM1 MODE window, press the  key or select "3 PLU UPDATE".
  - The PLU list will appear.

2. Select any PLU number from the list.

3. Program a unit price or name for corresponding price level.

- **\*PRICE1 thru 5 (Use the numeric entry)**  
Unit price of each price level (max. 6 digits)
- **\*NAME FOR PRICE1 thru 5 (Use the character entry)**  
Name of each price level (max. 8 characters). Up to 16 characters can be entered.

## NOTE

\* On the sample screen, the price level 1 setting only is shown. Depending on the default settings, you may see the price level 1 through 5 settings on the screen. Please consult your authorized SHARP dealer for more details.



# Unit Price Mode Programming

The UNIT PRICE mode programming is chiefly used for daily changes of the PLU's unit price by supervisor or manager.

## Procedure

```
10 47AM MODE
1 OPX2 MODE
2 OFF MODE
3 X1 MODE
4 Z1 MODE
5 X2 MODE
6 Z2 MODE
7 UNIT PRICE MODE
8 PGM1 MODE
9 PGM2 MODE
10 AUTO KEY MODE
```

```
10 48AM PRICE
PLU
000001 PL000001
000002 PL000002
000003 PL000003
000004 PL000004
000005 PL000005
000006 PL000006
000007 PL000007
000008 PL000008
000009 PL000009
000010 PL000010
000011 PL000011
```

```
10:49AM PRICE
000001 PL000001
PRICE 1 0.01
```

To program a unit price of the PLU as follows:

1. Select "7 UNIT PRICE MODE" from the mode selection window.

- The UNIT PRICE MODE window will appear.

2. Select any PLU number from the list.

3. Program a unit price for corresponding price level.

- **\*PRICE1 thru 5 (Use the numeric entry)**

Unit price of each price level (max. 6 digits)

### NOTE

\* On the sample screen, the price level 1 setting only is shown. Depending on the default settings, you may see the price level 1 through 5 settings on the screen. Please consult your authorized SHARP dealer for more details.

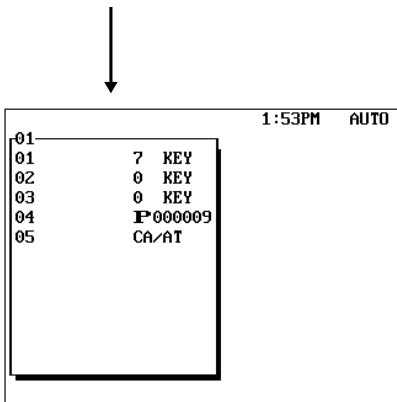
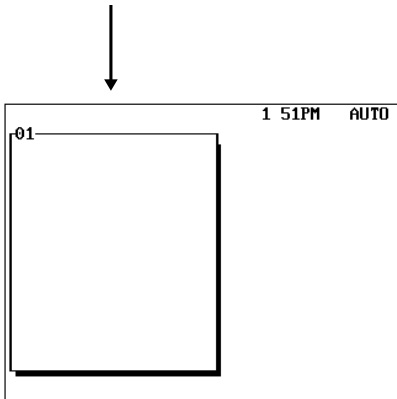
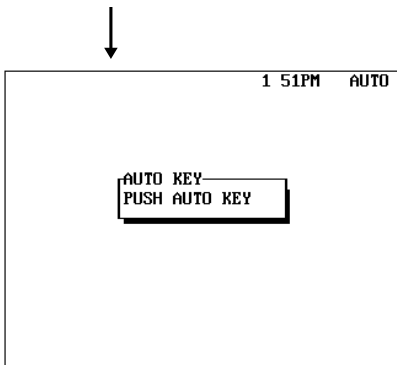
# Automatic Sequencing Key Programming

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.

## Procedure

To program an automatic sequencing key as follows:

Select "10 AUTO KEY MODE" from the mode selection window.



1. Press a pertinent automatic sequencing key which you want to program.




2. Enter the desired sequence to use the automatic sequencing key in the programmed sequence.

700 →  → 

3. Press the automatic sequencing key again.




4. Press the  key to finalize the programming.

# Reading of Stored Programs

You can read programs stored in the PGM1 or PGM2 mode.

## ■ Program reading sequence

To read those programs stored in the PGM1 or PGM2 mode, use the following procedure:

1. Select "1 READING" in the PGM1 or PGM2 mode menu window to display the items list.
2. Select an item listed in the table shown later, or enter an item number using numeric keys and press the  key.
3. If needed, enter start and end codes to specify the range of the selected item.
4. Select a device ("DISPLAY" or "REPORT PRINTER") to receive the output.

Item:	Description:	Available mode:
1 DEPT *	Department	PGM1 or PGM2
2 PLU *	PLU	PGM1 or PGM2
3 LINK PLU TABLE *	Link PLU table	PGM2
4 CONDIMENT TABLE *	Condiment table	PGM2
5 MIX&MATCH TABLE	Mix-and-match table	PGM2
6 RECIPE TABLE *	Recipe table	PGM2
7 INGREDIENT *	Ingredient table	PGM1 or PGM2
8 COMBO MEAL TBL *	Combo meal table	PGM2
9 SCALE TABLE	Scale table	PGM2
10 FUNCTION	Function	PGM1 or PGM2
11 MEDIA	Media key	PGM2
12 SERVER	Server	PGM1 or PGM2
13 MANAGER	Manager	PGM2
14 EMPLOYEE *	Employee	PGM2
15 JOB LOCATE TBL	Job location table	PGM2
16 OPTIONAL	Optional feature	PGM2
17 FUNCTION TEXT	Function text	PGM2
18 DEPT. GROUP	Department group	PGM2
19 PLU GROUP	PLU group	PGM2
20 PLU HOURLY GR	PLU hourly group	PGM2
21 SERVER GROUP	Server group	PGM2
22 LOGO TEXT	Text	PGM2
23 TAX	Tax	PGM2
24 GLU CODE	GLU	PGM2
25 AUTO KEY	Automatic sequencing key	PGM2
26 PRINTER	Printer	PGM2
27 DIRECT KEY	Direct key	PGM2
28 PLU MENU KEY	PLU menu key	PGM2

### NOTE

You can read those programmed items marked with "\*" by range.

■ Sample printouts

• Departments (PGM1 or PGM2 mode)

Date	08/26/2000	123456	Machine number
Consecutive number	#1004	8:03PM	Server name/server code
		JACK0001	Time
Operating mode*	*PGM2*		
Report type	DEPT		
Dept. no.	D01	10.00	Tax status
Item label	HUMBURG	T1	Unit price
	0003	G01	Group no.
Server group no.	S1	40	CVM control character
	KP00000	L95/10	HALO/LALO
	D02	0.00	Print station
	DPT.02	G00	
	0001	00	
	S0	KP00000	Function programming
		L17/10	0 0 0 3
	D03	0.00	Type of unit price entry
	DPT.03	G00	(open/open & preset/
	0001	00	preset/inhibit)
	S0	KP00000	Hash/normal
		L17/10	
	D04	0.00	Scale status
	DPT.04	G00	(compulsory/allowed/prohibited)
	0001	00	Scale table no.
	S0	KP00000	
		L17/10	
	D10	-0.00	Minus department
	DPT.10	G00	
	0001	00	
	S0	KP00000	
		L17/10	

\* When you take this report in the PGM1 mode, the PGM2 indication is replaced by a "PGM1."

• PLUs (PGM1 or PGM2 mode)

08/26/2000 123456		#1005 8:04PM JACK0001	
<b>*PGM2*</b>			
Report type	<b>PLU</b>		
Dept. no.			
PLU no.	<b>P000001 (02)</b>	<b>/ 0</b>	Group nos.
Item label for price level 1	<b>MILK</b>		Base q'ty
Zero price (allowed/disallowed)	<b>1</b>	<b>1.25</b>	PLU's menu type
Item label for price level 2	<b>COKE</b>		Blank : Normal PLU
	<b>0</b>	<b>0.80</b>	L : Link PLU
Item label for price level 3	<b>COFFEE</b>		C : Combo meal
	<b>0</b>	<b>2.50</b>	
Item label for price level 4	<b>TEA</b>		
	<b>0</b>	<b>2.70</b>	
Item label for price level 5	<b>WINE</b>		
	<b>0</b>	<b>5.00</b>	
Condiment table no.	<b>T1</b>	<b>G03 05 07 HG01 00 00</b>	Hourly group nos.
Tax status			
Mix & match table no.	<b>M00 C00</b>	<b>R000 000 000 000 000</b>	Recipe table nos.
Link PLU table no.	<b>#00 TO</b>	<b>100002</b>	
Coupon object PLU	<b>P000000</b>	<b>KP00000 PGO 40</b>	CVM control character
Scale table no.		<b>S 0.000 M 0.000</b>	Minimum stock q'ty
Print station			
Kitchen printer text for price 1	<b>MK</b>		Priority group no.
Kitchen printer text for price 2	<b>CK</b>		Stock q'ty
Kitchen printer text for price 3	<b>CF</b>		
Kitchen printer text for price 4	<b>TE</b>		
Kitchen printer text for price 5	<b>WN</b>		
	<b>P000002 (01)</b>	<b>/ 0</b>	Function programming
	<b>PL000002</b>		<b>1 0 0 0 2</b>
	<b>1</b>	<b>0.00</b>	Mode parameter
	<b>PL000002</b>		Scale status
	<b>0</b>	<b>0.00</b>	(compulsory/allowed/prohibited)
			Condiment entry to menu item
			(compulsory/non-compulsory)
			Condiment type/
			non-condiment type
			Price shift (compulsory/prohibited/allowed)
	<b>P000020 (01)</b>	<b>/ 0</b>	
	<b>PL000020</b>		
	<b>1</b>	<b>0.00</b>	
	<b>PL000020</b>		
	<b>0</b>	<b>0.00</b>	
	<b>PL000020</b>		
	<b>0</b>	<b>0.00</b>	
	<b>PL000020</b>		
	<b>0</b>	<b>0.00</b>	
	<b>PL000020</b>		
	<b>0</b>	<b>0.00</b>	
	<b>G00 00 00 HG00 00 00</b>		
	<b>M00 C03 R000 000 000 000 000</b>		
	<b>#00 TO 000002</b>		
	<b>P000000 KP00000 PGO 00</b>		
	<b>S 0.000 M 0.000</b>		
	<b>PL000020</b>		
	<b>PL000020</b>		
	<b>PL000020</b>		
	<b>PL000020</b>		
	<b>PL000020</b>		

• Link PLU table (PGM2 mode)

08/26/2000 123456		
#1007	8:04PM	JACK0001
*PGM2*		
LINK PLU TABLE		
#01		P000041
		P000042
		P000043
		P000044
		P000045
#02		P000046
		P000047

• Mix & Match table (PGM2 mode)

08/26/2000 123456		
#1009	8:05PM	JACK0001
*PGM2*		
MIX&MATCH TABLE		
#01	/ 3	5.75
#02	/ 5	11.25
#03	/12	250.00

• Condiment table (PGM2 mode)

08/26/2000 123456		
#1008	8:05PM	JACK0001
*PGM2*		
CONDIMENT TABLE		
#01	/3	P000061
		P000062
		P000063
		P000064
#02	/2	P000065
		P000066
		P000067

• Recipe table (PGM2 mode)

08/26/2000 123456		
#1010	8:05PM	JACK0001
*PGM2*		
RECIPE TABLE		
#001	001 / 1.00000	
	003 / 3.50000	
	014 / 2.00000	
	022 / 5.00000	

• Ingredient (PGM2 mode)

08/26/2000		123456
#1011	8:05PM	JACK0001
<b>*PGM2*</b>		
<b>INGREDIENT</b>		
<b>I 001</b>	SALAD	
3.00	S	100.000
<b>I 002</b>	POTATO	
1.75	S	10.000
<b>I 003</b>	SOUP	
3.20	S	10.000
<b>I 004</b>	STEAK	
10.00	S	30.000
<b>I 014</b>		
0.00	S	0.000
<b>I 022</b>		
0.00	S	0.000

Report type  
Ingredient table no.  
Ingredient text  
Stock  
Cost

• Scale tare table (PGM2 mode)

08/26/2000		123456
#1013	8:06PM	JACK0001
<b>*PGM2*</b>		
<b>SCALE TABLE</b>		
<b>#1</b>	2.75	
<b>#2</b>	3.50	
<b>#3</b>	12.00	
<b>#4</b>	0.00	
<b>#5</b>	0.00	
<b>#6</b>	0.00	
<b>#7</b>	0.00	
<b>#8</b>	0.00	
<b>#9</b>	0.00	

Report type  
Scale table no.  
Weight

• Combo meal table (PGM2 mode)

08/26/2000		123456
#1012	8:06PM	JACK0001
<b>*PGM2*</b>		
<b>COMBO MEAL TBL</b>		
<b>#01</b>	CHICKEN COMBO	
	CKN CB	
	COO 0	
KP00201	PGO	00
	P000011	
	1.21	
	P000015	
	2.50	
	P000017	
	1.25	

Report type  
Combo table no.  
Combo meal text  
Kitchen printer text  
Condiment entry to menu item (compulsory/non-compulsory)  
Print station/Priority group no./CVM control character  
Associated PLU text  
Associated PLU unit price  
Condiment table no.

• Functions (PGM1 or PGM2 mode)

08/26/2000 123456	
#1014 8:06PM	JACK0001
*PGM2*	
FUNCTION	
(-) 1	-10.00
I T1 R0	L13
	P000001
	P000002
	P000003
	P000004
	P000005
(-) 2	-5.00
S R1	L17
	P000001
	P000002
%1	-10.25%
I T1	L 20.00%
	P000010
	P000011
%2	-0.00%
S	L100.00%
%9	-0.00%
S	L100.00%
GRATUITY	10.00%
T 3	
CA TIP	7.25%
CH TIP	L17
***RA	L18
***RA2	L18
***PO	L18
***PO2	L18
M-TAX	L17

• Media (PGM2 mode)

08/26/2000 123456	
#1015 8:06PM	JACK0001
*PGM2*	
MEDIA	
CASH	KP0000 L18
	00000000000000
CA1 CA1	0000000001
CASH2	KP0000 L18
	00000000000000
CA2 CA2	0000000001
CHECK1	KP0000 L18
	00000000000000
CK1 CK1	0000000001
CHECK2	KP0000 L18
	00000000000000
CK2 CK2	0000000001
CK4 CK4	0000000001
CHARGE1	KP0000 L18
CHARGE1-	00000000000000
CH1 CH1	0000000001
CHARGE2	KP0000 L18
CHARGE2-	00000000000000
CH2 CH2	0000000001
CH7 CH7	0000000001
CHARGE8	KP0000 L18
CHARGE8-	00000000000000
CH8 CH8	0000000001
EMPL CH	KP0000 L18
EMPL CH-	00000000000000
CHe CHe	0000000001
PESO	1.3250
	0.0000
	0.0000
CONV 1	
CONV 2	
CONV 3	
CONV 4	
EAT IN 1	T1
EAT IN 2	
EAT IN 3	
SERVICE	KP0000
SERVICE2	000
	0000000001
FINAL	KP0000
	000
FIN FIN	0000000001
****CID	999999.99
CHK/CG	999999.99
CA/CHK1	999999.99
	00000001
CA/CHK2	999999.99
	00000001
CA/CHK3	999999.99
	00000001
CA/CHK4	999999.99
	00000001



• Server (PGM1 or PGM2 mode)

08/26/2000		123456
#1016	8:06PM	JACK0001
<b>*PGM2*</b>		
<b>SERVER</b>		
SRV#0001	JACK	
RANGE 1-10		
GLU#1 33		
GLU#2 34		
0.00%		
SRV#0002	OD1 (0001)	
RANGE 11-20	JIM	
GLU#1 30		

SRV#0009	SERV. 009
RANGE 1-99999999	
0.00%	OD1 (0000)
SRV#0010	SERV. 010
RANGE 1-99999999	
0.00%	OD1 (0000)

• Manager (PGM2 mode)

08/26/2000		123456
#1017	8:07PM	JACK0001
<b>*PGM2*</b>		
<b>MANAGER</b>		
MGR#01		1425
MGR#02		0541
MGR#03		7210

• Employee (PGM2 mode)

08/26/2000		123456
#1018	8:08PM	JACK0001
<b>*PGM2*</b>		
<b>EMPLOYEE</b>		
EMP#0000000002	JIM	
SRV#0002	MGR#01	
DAILY: 6- 2 WEEKLY: 24- 8		
(1425)	L01 L02 L03 L04	
L17	L05 L06 L07	

• Job location table (PGM2 mode)

08/26/2000		123456
#1019	8:07PM	JACK0001
<b>*PGM2*</b>		
<b>JOB LOCATE TBL</b>		
#01	MON	
SA 7.00	OT1 1.20	OT2 1.25
#02	TUE	
SA 0.07	OT1 1.20	OT2 1.25
#03	WED	
SA 7.00	OT1 1.20	OT2 1.25
#04	THU	
SA 0.07	OT1 1.20	OT2 1.25
#05	FRI	
SA 0.07	OT1 1.20	OT2 1.25
#06	SAT	
SA 7.50	OT1 1.20	OT2 1.25
#07	SUN	
SA 8.00	OT1 1.20	OT2 1.25

• Optional features (PGM2 mode)

08/26/2000

123456

#1020

8:08PM

JACK0001

\*PGM2\*

OPTIONAL

OPTIONAL

FUNC. PROHIBIT.

SRV REPO IN OPXZ

PO ENTRY IN REG

RF/RETURN IN REG

1st LAST ITEM VD

DIRECT VD IN REG

INDIR. VD IN REG

SBTL VD IN REG

VD MODE IN REG

NO SALE IN REG

PAY WHEN SBT=0

TIP PAID IN REG

TR IN/OUT IN REG

INDIR. VD IN GLU

OPENED GLU DISP

ENABLE

ENABLE

ENABLE

ENABLE

ENABLE

ENABLE

ENABLE

ENABLE

ENABLE

ENABLE

ENABLE

ENABLE

ENABLE

DISABLE

FUNC. SELECTING

LEVEL SFT METHOD

LEVEL SFT IN

PRICE SFT METHOD

PRICE SFT IN

RETURN TO LEVEL1

RETURN TO PRICE1

SEAT NUMBER

COVER COUNT

TIP ENTRY METHOD

SRVR DRW ASSIGN

SHIFT KEY ACTION

EMPLOYEE SALE

AUTO HOURLY REPO

DRIVE SCREEN

COMP. COND. CANCEL

SERVER POPUP

WHEN T-LOG FULL

WHEN E. J. FULL

E. J. PRT IN

AUTO

MGR&REG

AUTO

MGR&REG

BY ONE ITEM

BY ONE ITEM

COMPULSORY

NON-COMPULSORY

AMOUNT

INHIBIT

CAPS LOCK

CHARGE AMOUNT

DISABLE

MANUAL

MGR&REG

DISABLE

CONTINUE

CONTINUE

MGR&REG

PRINTING SELECT

# OF PURCHASE

TIME

JOURNAL SELECT

JOURNAL LETTER

ITEM ON BILL

SHARE%

REORDER KP MSG.

NOT PRINT

PRINT

FULL PRINT

NORMAL

PRINT

PRINT

PRINT

Report type

Setting

INTERVAL TIMER

TILL TIMER

SCREEN SAVE

0

0

DEF. MENU LEVEL

1

AVAILABLE GLU#

START CODE

END CODE

1

99999999

BILL NUMBER

0010

O SKIP

SERVER

MANAGER

TRANSACTION

DEPARTMENT

PLU

HOURLY

SKIP

SKIP

SKIP

SKIP

SKIP

SKIP

HOURLY RPT

MEMORY TYPE

STARTING TIME

30

00

STACKED RPT

1

DEPARTMENT

PLU

EMP. SALE (DETAIL)

01-10

000001-000100

0000000001-0000000100

2

PLU TOP 20

HOURLY

GLU

AMOUNT

00000001-00000100

EMPLOYEE

PAYMENT PERIOD

PERIOD-1 START

PERIOD-2 START

PAY FOR BREAK

SEMI-MONTHLY

01

16

NO

To be continued

• Function text (PGM2 mode)

08/26/2000 123456  
 #1022 8:09PM JACK0001

**\*PGM2\***  
**FUNCTION TEXT**

<b>NET1</b>	<b>NET1</b>
TAX1 ST	TAX1 ST
GRS TAX1	GRS TAX1
RFD TAX1	RFD TAX1
TAX1	TAX1
TX1 EXPT	TX1 EXPT
TAX2 ST	TAX2 ST
GRS TAX2	GRS TAX2
RFD TAX2	RFD TAX2
TAX2	TAX2
TX2 EXPT	TX2 EXPT
TAX3 ST	TAX3 ST
GRS TAX3	GRS TAX3
RFD TAX3	RFD TAX3
TAX3	TAX3
TX3 EXPT	TX3 EXPT
TAX4 ST	TAX4 ST
GRS TAX4	GRS TAX4
RFD TAX4	RFD TAX4
TAX4	TAX4
TX4 EXPT	TX4 EXPT
GRS MTAX	GRS MTAX
RFD MTAX	RFD MTAX
GST EXPT	GST EXPT
PST TTL	PST TTL
GST TTL	GST TTL
TTL TAX	TTL TAX
<b>NET</b>	<b>NET</b>
<b>NET2</b>	<b>NET2</b>
COMBO1	COMBO1

Report type  
 Function text (default)  
 Text (preset)

MDSE ST	MDSE ST
***TOTAL	***TOTAL
CHANGE	CHANGE
DUE	DUE
ITEMS	ITEMS
BALANCE	BALANCE

To be continued

<b>COPY</b>	<b>COPY</b>
<b>B. T.</b>	<b>B. T.</b>
<b>B. S.</b>	<b>B. S.</b>
FIN. BAL	FIN. BAL
BAL FWD	BAL FWD
CLOSE CK	CLOSE CK
OPEN CK	OPEN CK
(%) SALES	(%) SALES
CHARGE	CHARGE
COST	COST
COST%	COST%
TTL COST	TTL COST
LOC#	LOC#
L. COST	L. COST
TTL HOUR	TTL HOUR
OVR TIME	OVR TIME
TIME-IN	TIME-IN
TIME-OUT	TIME-OUT
BRK-IN	BRK-IN
BRK-OUT	BRK-OUT
LABOR%	LABOR%
SEAT#	SEAT#
MANAGER#	MANAGER#
VAT EXPT	VAT EXPT
IND. PAY	IND. PAY
TARE WT.	TARE WT.
RCP S.W.	RCP S.W.
FREE GLU	FREE GLU
WASTE	WASTE
AVE SALE	AVE SALE
ST (-) TL	ST (-) TL
ST % TL	ST % TL
(-) TL	(-) TL
% TL	% TL
CASH TL	CASH TL
RA TL	RA TL
PO TL	PO TL
CA/CK TL	CA/CK TL
CONV TL	CONV TL
CHR TL	CHR TL
CHECK TL	CHECK TL
COMBO	COMBO
WASTE	WASTE
RF	RF
CP	CP
NET SLS	NET SLS
COMBO TL	COMBO TL
WASTE TL	WASTE TL
RF TL	RF TL
NET TL	NET TL
OVR COST	OVR COST
<b>TBL#</b>	<b>TBL#</b>
<b>CAR#</b>	<b>CAR#</b>

• Department group text (PGM2 mode)

08/26/2000123456

#10238:09PMJACK0001

\*PGM2\*

DEPT. GROUP

DPT GR-1DPT GR-1

DPT GR-2DPT GR-2

DPT GR-3DPT GR-3

DPT GR-4DPT GR-4

DPT GR-5DPT GR-5

DPT GR-6DPT GR-6

DPT GR-7DPT GR-7

DPT GR-8DPT GR-8

DPT GR-9DPT GR-9

Report type

Function text (default)

Text (preset)

• PLU hourly group text (PGM2 mode)

08/26/2000123456

#10258:10PMJACK0001

\*PGM2\*

PLU HOURLY GR

HOUR GR1HOUR GR1

HOUR GR2HOUR GR2

HOUR GR3HOUR GR3

HOUR GR4HOUR GR4

HOUR GR5HOUR GR5

HOUR GR6HOUR GR6

HOUR GR7HOUR GR7

HOUR GR8HOUR GR8

HOUR GR9HOUR GR9

Report type

Function text (default)

Text (preset)

• PLU group text (PGM2 mode)

08/26/2000123456

#10248:09PMJACK0001

\*PGM2\*

PLU GROUP

PLU GR01PLU GR01

PLU GR02PLU GR02

PLU GR03PLU GR03

Report type

Function text (default)

Text (preset)

PLU GR97PLU GR97

PLU GR98PLU GR98

PLU GR99PLU GR99

• Server group text (PGM2 mode)

08/26/2000123456

#10268:10PMJACK0001

\*PGM2\*

SERVER GROUP

GROUP1GROUP1

GROUP2GROUP2

GROUP3GROUP3

GROUP4GROUP4

GROUP5GROUP5

GROUP6GROUP6

GROUP7GROUP7

GROUP8GROUP8

GROUP9GROUP9

Report type

Function text (default)

Text (preset)

• Logo text (PGM2 mode)

<b>08/26/2000</b>		123456
#1027	8:10PM	JACK0001
<b>*PGM2*</b>		
<b>LOGO TEXT</b>	Report type	
<b>RECEIPT LOGO</b>		
SHARP		
PRESENTS THE		
ER-A770		
SHARP		
IS THE		
BEST		
Receipt logo text		
<b>BILL LOGO</b>		
BILL HEADER		
Header text for bill printer		
BILL FOOTER		
Footer text for bill printer		
<b>MESSAGE TEXT</b>		
1 GETTING CROWDED	10	
2 LAST ORDER	00	
3 GLASSES, PLEASE	20	
4 MESSAGE 4	00	
5 MESSAGE 5	00	
6 MESSAGE 6	00	
7 MESSAGE 7	00	
8 MESSAGE 8	00	
9 MESSAGE 9	00	

• Tax rate (PGM2 mode)

<b>08/26/2000</b>		123456
#1028	8:10PM	JACK0001
<b>*PGM2*</b>		
<b>TAX</b>	Report type	
TAX1	6.0000 %	Tax no.
	/ 1.00	Rate
1	0.11	Cycle
2	0.23	Lower tax limit
3	0.39	
4	0.57	Breakpoint amount
5	0.73	
6	0.89	
7	1.11	
TAX2	4.0000 %	Lower tax limit
	0.12	
TAX3	5.0000 %	
	0.20	
EXPT COUNT	0	Doughnut tax exempt count
TAX4	6.0000 %	
	0.30	

• AUTO key (PGM2 mode)

• GLU code (PGM2 mode)

<b>08/26/2000</b>		123456
#1029	8:10PM	JACK0001
<b>*PGM2*</b>		
<b>GLU CODE</b>	Report type	
<b>GLU</b>	Start code	
	00000010-00000020	End code
<b>DRIVE THRU</b>		
0100	00000001-00000100	
Alarm time		

<b>08/26/2000</b>		123456
#1030	8:10PM	JACK0001
<b>*PGM2*</b>		
<b>AUTO KEY</b>	Report type	
#01	AUTO key no.	
	2 KEY	Entry sequence programmed
	PLU/SB	
	1 KEY	
	00 KEY	
	P000038	
#02		
	D04	
	P000001	
#24	----	
#25	----	

• Printer (PGM2 mode)

08/26/2000123456

#10318:10PMJACK0001

\*PGM2\*

PRINTER

J PRINTER

R PRINTER

BILL PRINTER

REPORT PRINTER

KP#1

YES

SHARP ER-01PU

ONE SHEET

0 / YES

SHARP ER-01PU

ONE SHEET

YES

SHARP ER-01PU

ONE SHEET

YES

SHARP ER-01PU

ONE SHEET

PRINT

YES

SHARP ER-01PU

ONE SHEET

Report type

Auto cutter

Model no. of printer

Paper type

Line feed count for tray subtotal

Printer type

• PLU menu key (PGM2 mode)

08/26/2000123456

#10328:11PMJACK0001

\*PGM2\*

PLU MENU KEY

PLU menu key no.

#01

#02

PLU MENU01

P000151

P000152

P000153

P000154

P000155

P000156

P000157

P000158

P000159

P000160

PLU MENU02

P000161

P000162

P000163

P000164

P000165

P000166

P000167

P000168

P000169

Title

Menu

PLU

• Direct key (PGM2 mode)

08/26/2000123456

#10328:11PMJACK0001

\*PGM2\*

DIRECT KEY

001

L 1

L 2

L 3

L 4

L 8

L 9

L10

P000001

P000081

P000161

P000241

----

----

----

Report type

Key no.

PLU no.

#05

PLU MENU05

P000191

P000192

P000193

P000194

P000195

P000196

P000197

P000198

P000199

P000200

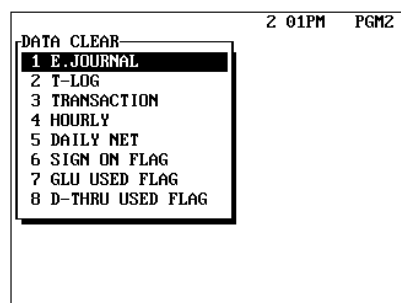
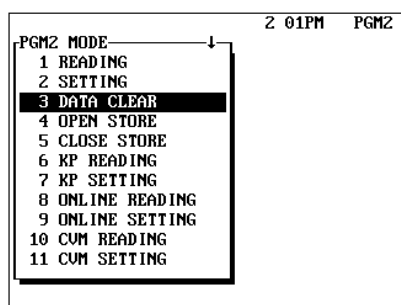
196

# Data clear

The DATA CLEAR is chiefly used for clearing data such as report data e.g. hourly report, daily net sales, or electronic journal file 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. In the PGM2 MODE window, select "3 DATA CLEAR".
  - The DATA CLEAR window will appear.

2. Select the pertinent operation.

This function is intended to record the journal data in the electronic journal file (memory) when the journal printer is not available. For details, contact your authorized SHARP dealer.

## ■ Recording data

The POS terminal records the printing output to the journal printer in REG, PGM1, PGM2, X1/Z1, and X2/Z2 modes into the electronic journal file.

## ■ Full reporting (X report)

The POS terminal reports the journal data (same as normal journal formats) in the electronic journal file by the report printer or the display.

Operation: Select the reading operation "E.JOURNAL" in X1 mode.

It is possible to take filter functions (consecutive no./date/server)

C.C NO. (consecutive no.): All or RANGE(start no./end no.)


Date: All or RANGE (start code./end code.)

Server: All or INDIVIDUAL(server code)

When RANGE or INDIVIDUAL is selected, the window to specify the corresponding range or server code is individually appeared after all the three options are selected.

## ■ Partial reporting (in REG mode)

Your POS terminal can report the last five transactions data only out of the journal data by the report printer.

Operation: Press  key and select "11 EJ PRINT", the report will be printed.

## ■ Resetting (Z report)

It is possible to take the resetting report of the journal data (same as normal journal formats) in the electronic journal file by the report printer.

Operation: Select the resetting operation "E.JOURNAL" in Z1 mode.

The filter function (consecutive no./date/server) can not be used (always "ALL").



# 15 Operator Maintenance

## Replacing the Backup Battery Pack

The memory backup battery pack has an expected life of approximately three years under normal conditions (temperature extremes can shorten the life of the battery). Replace the memory backup battery pack every three years.

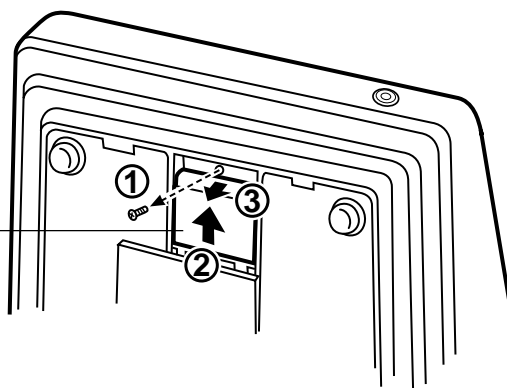
The battery pack is not available on the market, so please contact your dealer and ask him or her for replacement when you need a new one. Be sure to use a battery pack specified by SHARP.

Use of other battery packs could damage your POS terminal.

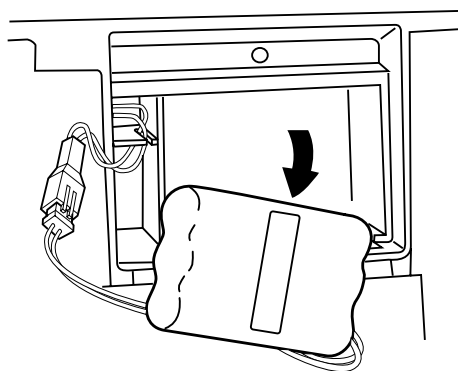
**Caution :** When you replace the battery pack, keep the POS terminal turned on. If you replace the battery pack with the power switch off, all the data in memory will be lost.

1. Remove the screw in front of the battery compartment cover located at the bottom of the terminal and slide the cover in the direction of the arrow to detach it.

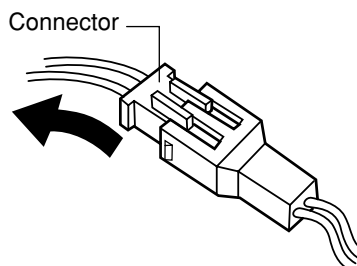
Battery compartment cover



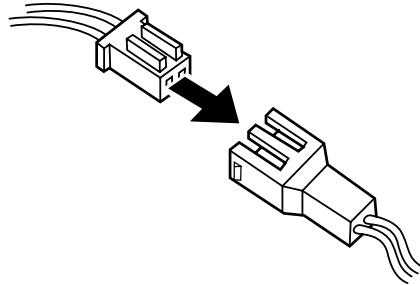
2. Take out the battery pack.



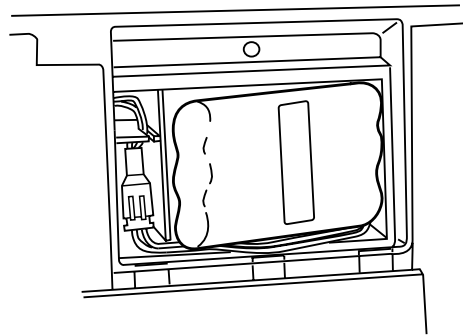
3. Disconnect the connector.



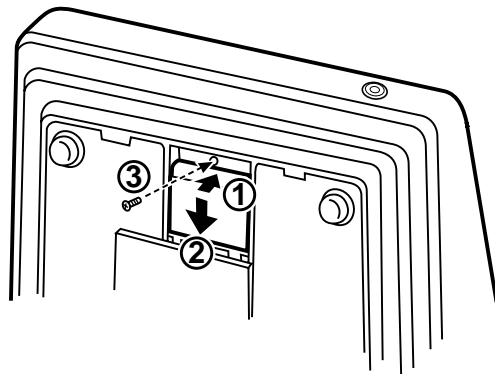
4. Connect the connector of a new battery pack.



5. Install the pack, placing the wires in the slit as shown in the figure at right.



6. Replace the battery compartment cover, and tighten the screw removed earlier in step 1.



## In Case of Power Failure

When power is lost, the POS terminal retains its memory contents and all information on sales entries.

- When power failure is encountered in 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 malfunctions shown in the left-hand column below, labeled “Fault,” do not necessarily indicate functional faults of the machine. It is therefore advisable to refer to the “Checking” shown in the right-hand column before calling for service.

Fault	Checking
<ul style="list-style-type: none"><li>• The display does not illuminate.</li></ul>	<ul style="list-style-type: none"><li>• Is power supplied to the electric outlet?</li><li>• Is the power cord plug out or loosely connected to the electrical outlet?</li><li>• Is the power switch in the “ON” position?</li><li>• Are the brightness control and the contrast control adjusted correctly?</li><li>• Is the terminal in screen-save mode?</li></ul>
<ul style="list-style-type: none"><li>• No receipt is issued.</li></ul>	<ul style="list-style-type: none"><li>• See the printer manual.</li></ul>
<ul style="list-style-type: none"><li>• No journal paper is taken up.</li></ul>	
<ul style="list-style-type: none"><li>• Printing is unusual.</li></ul>	

# 16 Options

## List of Options

For your ER-A770 POS terminal, the following options are available:

For details, contact your authorized SHARP dealer. Do not try to install any options yourself.

1. RAM memory board model UP-P02MB2
2. External printer model ER-01PU
3. Remote printer model ER-03RP or ER-04RP
4. Customer display model UP-I16DP
5. Remote display model UP-P16DP
6. Remote drawer model ER-03DW or ER-04DW
7. Coin case model ER-48CC2 (for ER-04DW) or ER-48CC3 (for ER-03DW)
8. Magnetic card reader model UP-E12MR
9. CAT terminal Omni-490, PNC-330 or Datacap

Model:	ER-A770	
External dimensions:	11.4(W) x 14.4(D) x 11.1(H) in. (290(W) x 365(D) x 282(H) mm)	
Weight:	12.4 lbs. (5.6 kg)	
Power source:	120 V AC $\pm 10\%$ , 60 Hz	
Power consumption:	Stand-by:	22 W
	Operating:	32 W
Working temperatures:	32 to 104 °F (0 to 40 °C)	
Electronics:	LSI (CPU) etc.	
Built-in battery:	Rechargeable battery pack, memory holding time of about 1 month (with fully charged built-in battery pack, at room temperature)	
Display:	Operator display:	LCD display 320 (W) X 240 (H) (0.33 mm/pixel)
		Dark blue and white
Accessories:	Leaflet	1 copy
	Standard keyboard sheet	1 (placed under keyboard cover)
	Programming keyboard sheet	1 (placed under keyboard cover)
	Ferrite cores	4 (used for communications cabling installation)

\* Specifications and appearance subject to change without notice for improvement.

## Error Messages

Error message:	State:
MISOPERATION	Misoperation
ENTRY ERROR	Entry error
ENTRY INHIBITED	Entry is inhibited by PGM programming.
ENTRY OVERFLOW	Entry data overflow
TRANS OVERFLOW	One transaction limitation overflow
LACKING MEMORY	Not enough file or memory size.
ENTRY COMPULSORY	Entry compulsory
NO AUTHORITY	No authority assigned
UNDEFINED CODE	Undefined code
NOT ASSIGNED	Not assigned.
CODE NOT FREE	The code is not free.
OUT OF STOCK	Stock overflow error
OVER LIMITATION	Digit limitation overflow
TIP ERROR	Tip error
SECRET # ERROR	Secret code mismatch
PAPER EMPTY	Printer's paper empty
NON RESET	IRC initial download before resetting
OFF LINE	Remote printer off-line error
MOTOR LOCK	Remote printer motor lock error
TYPE ERROR	IRC download file type mismatch
POWER OFF	Power of the IRC terminal is off.
BUSY	IRC communication busy
LINE ERROR	SRN line error
SYSTEM OPENED	Resetting executed in open store state (only when the resetting operation is inhibited).
IS SIGNED ON	IRC server sign-on error (when all server resetting is executed.)
NO REPLY/MASTER	The master does not reply to the request.
NO REPLY/BACKUP	The backup master does not reply to the request.
SENDING DATA	Data sending message
T-LOG FULL	T-log file is full.
ATTEMPT RETRY?	Manager retry message
IR SEND OK	IR data has normally been sent.
IR RECEIVE OK	IR data has normally been received.
IR COM.ERROR	IR communication error
IR DATA ERROR	IR data error
IR COM.TIME-OUT	IR communication time out
IR COM.CANCELED	IR communication has been canceled.
CHECK RS-PORT	Assigned serial port was not found.
CHECK CONNECTION	Printer connection error
CHECK LOW PAPER	Printer paper near end error
INVALID RESPONSE	CAT error message received from HOST
COMM.ERROR	CAT communication error with HOST
CAN NOT VOID	VOID operation can not be performed.
TIP EXIST	Tip amount is entered.
GLU OPENED	Opened GLU exists.

Your POS terminal may also display the following messages:

- NON-ADD # CODE
- ZERO DATA PRESET
- ENTER AMOUNT
- GLU FILE CLOSED
- COVER COUNT
- DECIMAL POINT
- DEPARTMENT
- TYPE DEPARTMENT
- GLU BUFFER FILE
- GLU FILE
- OPEN PRICE
- PBLU
- TYPE PLU
- PRESET PRICE
- QTY
- REG BUFFER FILE
- SCALE
- SERVER
- TARE TABLE#
- WEIGHT
- KP BUFFER
- DRAWER IS OPEN
- Z-RESET
- SYSTEM CLOSED
- DRIVE-THRU

# 19 Index

## A

Automatic return mode [26](#), [27](#), [155](#)  
Automatic sequencing key [184](#)

## B

Base q'ty [97](#)  
Bill number [151](#)  
Bill print [57](#)  
Bill separating [37](#)  
Bill totalizing [36](#)  
Bill transfer [36](#)  
Box sale [23](#)  
Break in/out [43](#), [73](#)

## C

CAT [119](#), [122](#), [125](#), [128](#), [132](#), [134](#), [137](#)  
CVM control character [95](#), [98](#), [107](#)  
Cash [30](#), [57](#), [119](#)  
Cash in drawer [67](#), [136](#)  
Charge [30](#), [58](#), [125](#)  
Check [30](#), [58](#), [122](#)  
Check cashing (cashing a check) [42](#), [58](#), [137](#)  
Check change [136](#)  
Closed GLU/PBLU/drive-through [69](#), [77](#), [78](#), [80](#),  
[81](#), [121](#), [123](#), [127](#)  
Combo meal [25](#), [61](#), [62](#), [107](#)  
Condiment [28](#), [97](#), [104](#)  
Consecutive number [150](#)  
Copy receipt [49](#)  
Correction [46](#), [47](#), [48](#), [52](#)  
Cost [64](#), [75](#), [101](#)  
Cover count [32](#), [34](#), [57](#), [69](#), [155](#)  
Currency conversion [40](#), [58](#), [131](#)

## D

Daily net report [83](#)  
Data receive [181](#)  
Data send [180](#)  
Date/time [152](#)  
Department [21](#), [59](#), [60](#), [62](#), [94](#)  
Deposit [35](#), [58](#)  
Description [89](#), [94](#)

Descriptor [101](#), [131](#)  
Direct key [109](#)  
Drive-through [34](#), [57](#), [79](#), [80](#), [81](#), [132](#), [174](#)

## E

Eat-in [57](#), [131](#)  
Electronic journal [156](#), [198](#)  
Employee [43](#), [44](#), [73](#), [74](#), [84](#), [85](#), [86](#), [147](#), [168](#)  
Employee charge [128](#)  
Error messages [204](#)

## F

FF method [22](#), [23](#), [24](#)  
Final [134](#)

## G

GLU/PBLU [76](#), [119](#), [122](#), [125](#), [132](#), [151](#), [174](#)  
Gratuities [39](#), [57](#), [69](#), [115](#)  
Group (PLU) [63](#), [67](#), [98](#), [141](#)  
Group (department) [60](#), [95](#), [141](#)  
Guest check [32](#)

## H

Hash [57](#), [59](#), [94](#)  
Hourly report [74](#), [156](#), [164](#)

## I

Ingredient [75](#), [101](#), [102](#), [106](#)

## J

Job location [73](#), [147](#), [148](#)

## L

Link PLU [25](#), [97](#), [103](#)  
Lock shift mode [26](#), [27](#)  
Logo [169](#)



## M

Manager [51, 52, 71, 72, 146](#)  
Manual tax [31, 56, 68, 117](#)  
Menu [19, 21, 22, 23, 24, 41, 42](#)  
Message text [49, 143](#)  
Minimum stock [66, 97](#)  
Mix & match [25, 97, 105](#)

## N

Name [89, 96](#)  
No-sale [42, 57, 154](#)  
Non-add code [38, 121, 124, 127, 130](#)

## O

Open GLU/PBLU/drive-through [69](#)  
Operating mode [15](#)  
Over-time [73, 148](#)

## P

PBLU code [32, 33](#)  
PLU [21, 61, 96](#)  
PLU hourly group [67, 98, 142](#)  
PLU level shift [26, 155](#)  
PLU menu key [111](#)  
PLU range [99](#)  
PLU stock [63, 100](#)  
PLU top 20 [65](#)  
PLU update [182](#)  
PLU zero sales [66](#)  
Paid-out (PO) [41, 57, 116, 154](#)  
Price level shift [27, 96, 97, 155, 182](#)  
Printer [14, 39, 172](#)  
Priority group [98](#)  
Program reading [185](#)  
Programming [91](#)

## R

Receipt ON-OFF function [49](#)  
Received-on-account (RA) [41, 58, 116](#)  
Recipe [98, 106](#)  
Repeat round [28](#)  
Refund [38, 57, 154](#)  
Report [56, 163](#)  
Return [38, 57, 154](#)

## S

Salary amount [148](#)  
Scale entry [23, 94, 98, 108](#)  
Screen save mode [13, 150](#)  
Seat number [32, 33](#)  
Secret code [16, 19, 43, 51, 145, 146, 147, 158](#)  
Server [19, 69, 70, 145](#)  
Server group [69, 95, 142](#)  
Service [32, 33, 34, 57, 132](#)  
Service time report [81](#)  
Shift key lock [155](#)  
Sign-on [19, 43](#)  
Sign-off [19](#)  
Stacked report [81, 87, 165](#)

## T

TILL TIMER [150](#)  
Table # [32, 33](#)  
Table/PBLU system [32](#)  
Table # recall [33](#)  
Table tax [176](#)  
Tare table [94, 98, 108](#)  
Tax [31, 68, 95, 98, 175, 178](#)  
Tax deletion [31, 121, 124, 127, 130, 131](#)  
Text [89, 138](#)  
Time editing [44, 73](#)  
Time in/out [43, 73](#)  
Tip [39, 40, 58, 69, 115, 154, 155](#)  
Tip editing [40](#)  
T-log [156](#)  
Training mode [56, 76, 79, 179](#)  
Transaction report [56, 82, 164](#)  
Transfer in/out [35, 57, 69, 154](#)  
Tray subtotal [29, 57, 172](#)

## U

Unit price mode [15, 183](#)

## V

Void [46, 47, 48, 154](#)

## W

Waste mode [45](#)

## Z

Zero skip [164](#)

