



PT213 CASH REGISTER USER MANUAL

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PRECAUTIONS

1. The cash register will beep when doing wrong operation, press key [CL] to stop the beeps.
2. Install the cash register in a location not subjecting to direct sunlight, unusual temperature changes, high humidity, or splashing water.
3. Never operate the cash register with wet hands. Moisture may cause internal components failure.
4. Clean the cash register with a piece of dry and soft cloth. Never use volatile liquids, such as benzine or thinner. Chemicals can discolor or damage the cabinet.
5. There are two ways to turn off the cash register. You can use the soft turning off (i.e. press key [CL/ESC] for two seconds to turn off the machine, or press [CLERK] to enter all modes menu to select 'OFF ECR' to turn off ECR). There is nearly no power consumption. And press key [CLERK] to wake it up.
6. This cash register is an energy-saving machine. If AC is lost, after 30 seconds idles, ECR enters into the sleeping mode. The switch on the back panel is used for long-term storage or special maintenance. In daily usage, operators should use soft switch on the keyboard instead of using the power switch. In case the power switch in the back panel need be used, make sure 4 minutes interval time at least between turning off and turning on.
7. This cash register has an embedded battery. You can use it without other power supply. But it is better to operate it with the adaptor plugged in if possible. It will not damage the battery because of the embedded circuit protection.
8. This model of cash register has two battery voltage warning classes. The first warning class occurs when battery voltage is below 3.8V, and "low B" which means low battery voltage will be displayed. The cash register beeps every 5 seconds when it is idle in the first warning class. The second warning class occurs when the battery voltage is below 3.6V, and "low B" displayed. The cash register is out of work and immediate charge is needed. Otherwise, the using life of the battery will be shortened and the stored data in the memory will lose most probably after a long time.
9. The battery will discharge little by little even it is not in use. Charge the cash register twice a year at least when you do not use it and for about 6 hours each time.
10. If the register malfunctions, call your local dealer for service – do not repair the register yourself.

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1 BASIC FEATURES

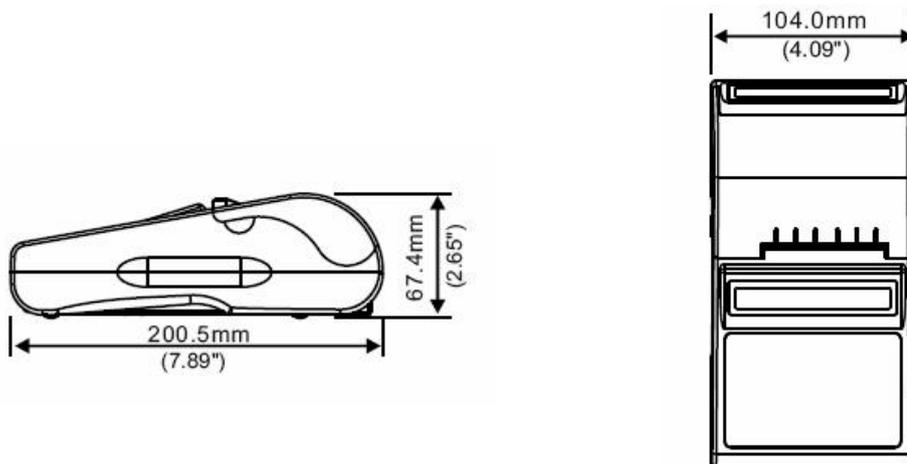
1.1 General Descriptions

Department	99
PLU	12000
Report	Daily Report Tax term report PLU report Department report Time report Stock report Stock warning report Promoter report Table report (restaurant version) Nopay table (restaurant version) Print set table name (restaurant version) Cancel/void report (restaurant version) Serial No. Report Return report Clerk daily report Daily term report PLU term report Profit report Term daily report Layby report
Display	144*32
Paper Width:	57mm

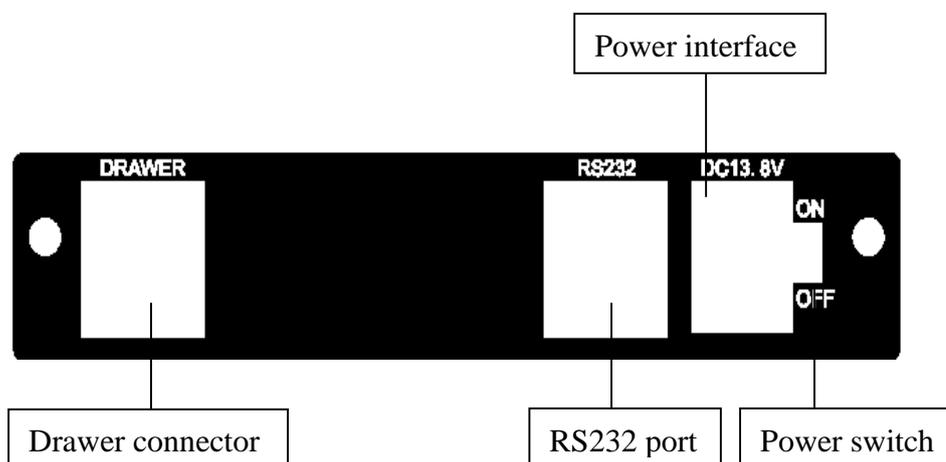
1.2 Technical Specifications

- AC input: 100-240V 1.5A
DC output: 13.8V 2.5A
- working temperature: 0°C~40°C
- Working humidity: 5%~85% R.H.
- Weight: 0.52kg
- Keyboard: 30 keys
- Printer type: thermal
- Printing speed: 150mm/s

1.3 Dimension



1.4 Power Switch and Interface



2 ACCESSORIES

- 1) Power Supplier



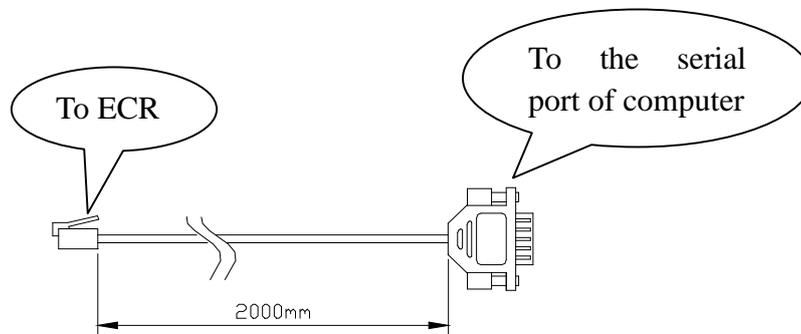
- 2) Install disk



- 3) Communication wire for computer download.

Model: 6P9D2.0M SO connect wire.

Connect computer and ECR directly. Use for PLU and department information download.



- 4) Inbuilt scanner (optional)
- 5) User manual



3 Paper Replacement

When the receipt paper is run out, please following the steps below to replace with a new one.

1. Open the printer cover.
2. Press the two obstacle plates towards the opposite direction as arrows show in the following picture to remove the paper roll mandril and other foreign matters from the roll housing.
3. Press the two obstacle plates the same as the above step to place a new paper roll into the compartment.
4. Insert the leading edge into the printer slot. Once the paper sensor detects paper existing, the paper will be advanced automatically for a short length. Press key [PAPER FEED] to advance the paper more if necessary.
5. Close the cover of the printer compartment.



Note:

There is a colored band in the last length of the receipt paper roll to indicate that it is going to run out.

With paper lack sensor, when there is no paper roll, the ECR will prompt “ERR 80” on LCD, which indicates to install the paper roll.

4 Battery Replacement (NOT Applicable for Indian Market)

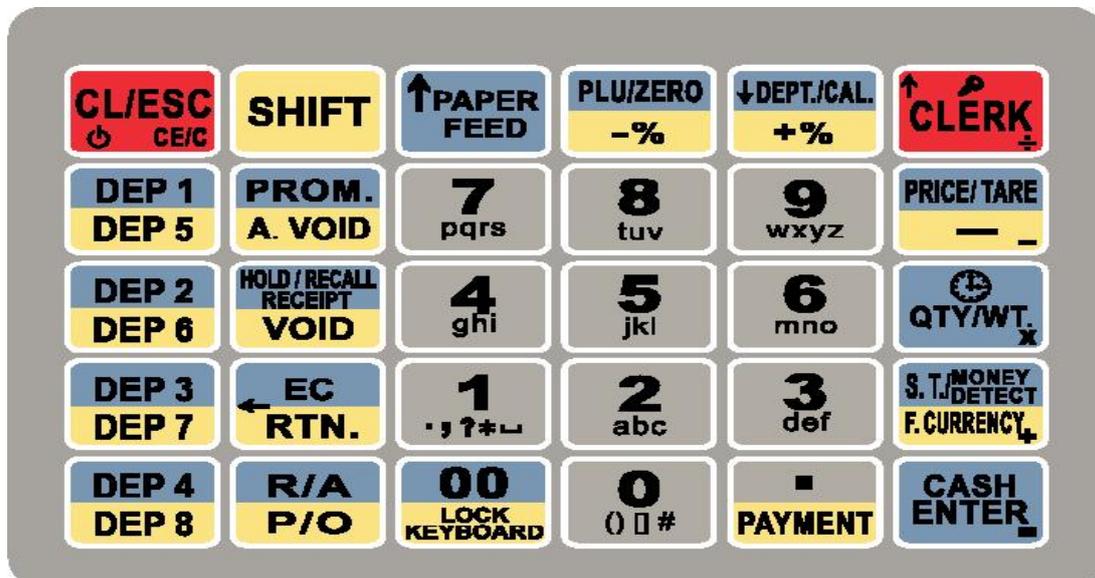
We adopt sealed lead acid battery for our ECR. Generally, a new battery can be used for several years. If the battery's working time is shortened apparently after being fully charged, you need to replace a new one.

Attentions:

- **Switch off the ECR.**
- **Though the data can be stored for a long time after battery is removed, you had better replace a new one as soon as possible to prevent stored data from losing.**
- **When battery is not in use for a long time, it will self-discharge gradually. Charge the battery twice a year at least when it is not in use and each time for about 6 hours.**

5 Keyboard

5.1 Keyboard Layout



5.2 Function Key Description

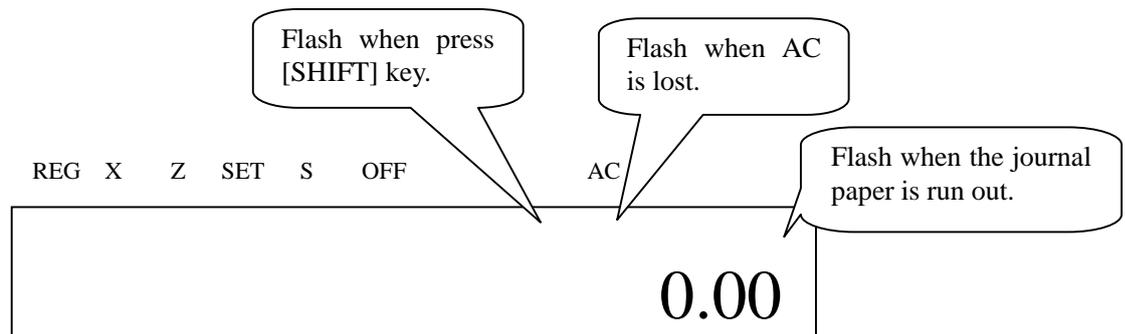
KEY	DESCRIPTION
	<ol style="list-style-type: none"> 1. Clerk login or display the operation mode. 2. Switch menu (upward). 3. Work as division when the calculator operates.
	<ol style="list-style-type: none"> 1. Department key. 2. Work as a calculator. 3. Switch menu (downward). 4. Press [SHIFT] and then press this key to percent surcharge.
	<ol style="list-style-type: none"> 1. Input or scan the preset PLU barcode and then press this key to sell PLU. 2. Use to return the weight to zero when connecting with a weighing scale. 3. Press [SHIFT] and then press this key to percent discount.
	Used to advance the receipt paper one line or continuously until the key is released.
	Shift different functions of the same key.
	<ol style="list-style-type: none"> 1. Cancel wrong operation and error status. 2. Exit an operation. 3. Press it to turn on ECR when it is the sleep mode. Press it for 3 sec to turn off ECR.

	<ol style="list-style-type: none"> 1. Department 1 key. 2. Press [SHIFT] and then press this key to Department 5.
	<ol style="list-style-type: none"> 1. Department 2 key. 2. Press [SHIFT] and then press this key to Department 6.
	<ol style="list-style-type: none"> 1. Department 3 key. 2. Press [SHIFT] and then press this key to Department 7.
	<ol style="list-style-type: none"> 1. Department 4 key. 2. Press [SHIFT] and then press this key to Department 8.
	<ol style="list-style-type: none"> 1. Sell commodity by salesman/waiter. 2. Press [SHIFT] and then press this key to cancel a receipt.
	<ol style="list-style-type: none"> 1. Hold an unsettled receipt and then recall it to continue the transaction. 2. Press [SHIFT] and then press this key to cancel the selected transaction.
	<ol style="list-style-type: none"> 1.  : Press [SHIFT] then press the key to delete the wrong input one by one. 2. Void the last transaction before settle account. 3. Press [SHIFT] and then press this key. [RTN.]: Use to return or refund commodities. Returning an item will also return any tax, which may have been applied. Need to press this key again to exit the return mode.
	<ol style="list-style-type: none"> 1. Open the cash drawer to receive a non-transaction account, e.g.: borrow money from other cashiers. 2. Press [SHIFT] and then press this key: paid out outside of sales.
	<ol style="list-style-type: none"> 1. Manually change PLU or department price with numeric keys. 2. Work as the tare function when connecting with a weighing scale. 3. Shift between capital letters and small letters. 4. Press [SHIFT] and then press this key to amount discount. 5. Press [SHIFT] and then press this key: work as division when the calculator operates.
	<ol style="list-style-type: none"> 1. Input the quantity of items or weight when being used with a weighing scale. 2. Show the system message. 3. Work as multiplication when the calculator operates.
	<ol style="list-style-type: none"> 1. Display the sales subtotal. 2. Press [SHIFT] and then press this key: pay by foreign currency. 3. Press [SHIFT] and then press this key: work as addition when the calculator operates.
	<ol style="list-style-type: none"> 1. Transaction with cash payment. 2. Enter into some function settings. 3. Equal symbol.
	<ol style="list-style-type: none"> 1. Press the key to input double 0. 2. Press [SHIFT] and then press this key to lock the keyboard. Input the default password 00000000 to unlock the keyboard.

	<ol style="list-style-type: none"> 1. Input the decimal point. 2. Press [SHIFT] and then press this key to choose a payment, such as card or tickets or FC, etc. There are 20 payment modes at most.
	Numeric key / letter key / interpunction key.

6 OPERATIONS MODE SELECTION

This cash register has 6 operation modes. Press key [CLERK] to shift operation mode. These 6 modes can be shifted in turn. See the corresponding chapter for functions of each mode.



REG	Sale operation mode
X REPORT	To read various reports
Z REPORT	To read reports and reset the total to zero
SET	Set some items
SYSTEM SET	Set system parameter
OFF	Soft turn off the system
AC	The cursor flashes when AC is lost

Before performing any sales operations, a clerk must login. Read the chapter 7 'LOGIN AND LOGOUT SYSTEM' for a description of clerk operations.

All report can be printed in X or Z mode. The difference between them is:

In X mode, total sales sum is not set to zero after printing report, next sales sum will be accumulated.

In Z mode, total sales sum is set to zero after printing report, next sales sum will be recalculated.

Attention: If transaction has been done in REG mode, you must print Z daily report before entering SET mode and SYSTEM SET mode.

7 Login and Logout System

7.1 Manager Login

Manager Password:

This password is used for manager entering SET mode, X REPORT, Z REPORT and SYSTEM SET mode. You can set 4 managers, and the password less than 8 digits.

- 1) The No.1 manager can set other manager's password and right.
- 2) No. 2~4 managers only can set their own password.
- 3) There is a default manager, No.1 with password 0. When you use the machine for the first time, you need to enter SET mode as No.1 manager, change the password and set other managers' right.
- 4) Login: [manager code] + [CASH] + [manager password] + [CASH].

For instance: No.1 manager with password 0 login SET mode, press [CLERK], and use key [] or [] to choose SET, press [CASH], then

[1] + [CASH] + [0] + [CASH]

7.2 Clerk Login and Logout

Attention:

When error occurs and ERR X displayed, press [CL/ESC] to back to the previous mode.

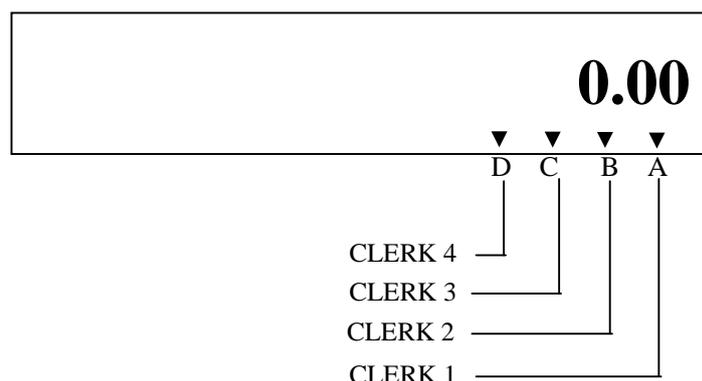
Any sales operation will cause error while not clerk login.

The cash register does not work without clerk login. Each receipt has a clerk mark to identify the clerk on duty. To guarantee the reality of sales report, each clerk has an exclusive login password.

Method of login system:

No key entry (or press [CL/ESC] key several times until it returns to initial status). This cash register supports four clerks (A to D), the corresponding code is 1 to 4.

LCD display:



Login as below:

If clerk login password has been set, then

Input: N [CLERK] SSSS [CASH], 'N' is clerk code and the 'SSSS' is clerk password. (The clerk's password ranges from 0 to 9999)

Example 1: clerk A login (login password is 888)

Input: 1 [CLERK] 888 [CASH]

If clerk login password does not set

Input: N [CLERK], N is the clerk code

Example 2: clerk B login (without password)

Input: 2[CLERK]

Method of logout:

After print daily report in Z mode, the clerk logout automatically.

Note: the clerk can login system even if another clerk haven't logout.

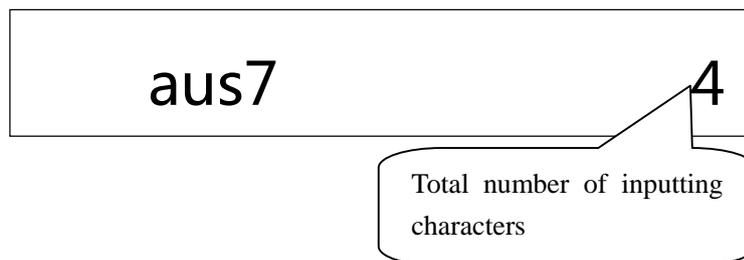
8 How to Input Character

Character input is required when inputting PLU name, department name, foreign currency name, etc. The method for inputting character is described as following:

Each numerical key is combined with English letters, like key , 'W' is the first character, 'X' is the second character, 'Y' is the third character, and 'Z' is the fourth character. If you want to input the first letter in the character string, press the key once, if you want to input the second letter, press the key twice, and the like.

The number of characters inputted is displayed in the right of LCD.

E.g.: input 'aus7', press key [2] twice, press key [8] 3 times, and press key [7] 5 times, press key [7] once.



Notes:

- 1. Shift between capital letters and small letters:** Press [PRICE/TARE] key, and then input the letter.
- 2. Delete characters one by one:** when character input error occurs, press [SHIFT], then use [] key to delete the character one by one.

9 Basic Operations

Attention: When error occurs and **ERR X** displayed, press [CL/ESC] to back to the previous mode.

Press key [CL/ESC] several times until you get to the follow interface. Now, you are in REG mode, and all the operation is in this mode.

0.00

9.1 Display System Message

Press [QTY/WT.] key to display time, press [QTY/WT.] [CL/ESC] key to display version, and press [QTY/WT.] [CL/ESC] [CL/ESC] key to display PLU quantity.

11:23

CRBM300000001

3186

9.2 Receipt Samples

TIN: 7896545
 INV. NO.: 080816 — Invoice No.
 DATE: 08/08/16 14:32 NO: 000002

NAME	DIS	PRICE	QTY	AMOUNT
PLU 3		30.00	1	30.00 gh
PLU 5		60.00	1	60.00 gh

 Vat Details
 g TAX.A @12.50/ ON 90.00 11.25
 h TAX.B @ 4.00/ ON 11.25 0.45
 Total Amount e90.00
 TOTAL TAX e11.70
 NetAmount e101.70
 TOTAL QTY 2 e101.70
 CASH e101.70
 SMC: 65535 — User-defined machine number
 CLERK: 1

TIN: 7896545
 INV. NO.: 040816
 DATE: 04/08/16 14:17 NO: 000020

NAME	DIS	PRICE	QTY	AMOUNT
PLU 3		30.00	1	30.00 gh
PLU 4		50.00	1	50.00 gh
PLU 5		60.00	1	60.00 gh
PLU 6		40.00	1	40.00 gh
All VOID				e180.00

 All VOID e180.00
 MC: CRBM300000001 — MC No., which is marked on the back panel of machine
 CLERK: 1

Note: if you set the item ‘SET/RECEIPT SET/PRINT DEFINE STORE MACHINE NO.?’ to ‘YES’,

the MC No. on receipt will be shown as the user-defined machine number; if you set the item 'RECEIPT SET/PRINT DEFINE STORE MACHINE NO.?' to 'NO', the MC No. on receipt will be shown as the machine No. that marked on the back panel of machine.

9.3 Quick Set PLU

In REG mode, if you want to change the price or tax rate of one PLU, or you want to add a new PLU casually, you can press key [0][0][PLU] or [00][PLU] to enter quick setting.

Step1. After pressing shortcut key [0][0][PLU] or [00][PLU], input the manager number and password as the LCD prompts. (Note: if you set the item 'SECURITY SET/QUICK SET NEED PSW?' to NO under SET mode, no need to input the manager number and password here.)

Step2. System prompts: <BARCODE>, input the PLU barcode which you want to modify or input the new PLU barcode, and then press [CASH] key to confirm.

Step3. System prompts: <NAME>, input PLU name and press [CASH] key to confirm. (Please refer to chapter 8 for 'HOW TO INPUT CHARACTER'.)

Step4. System prompts: <PRICE>, input PLU price. The max value is 9999999.99. Press key [CASH] to confirm.

Step5. System prompts: <TAX IDX (1~8)>, input a digit, which range from 1 to 8, 1 for tax A; 2 for tax B; 3 for tax C; 4 for tax D; 5 for tax E; 6 for tax F; 7 for tax G; 8 for tax H. Then press [CASH].

Step6. System prompts: <PLU TYPE (0: NORMAL 2: WEIGHT CARGO 3: OIL)>, input 0, 2 or 3 to choose a type, press [CASH] key to confirm.

Note: System prompts: <1/2 PRICE>, input PLU 1/2 price, system prompts: <1/4 PRICE>, input PLU 1/4 price, Press key [CASH] to confirm.

Note: In REG mode, you also can press [0][0][0][0][PLU] or [00][00][PLU] to set PLU information completely as the LCD prompts.

9.4 Quick Set Department

In REG mode, if you want to change the price of one department, or you want to add a new department casually, you can press key [0][0][DEPT.] or [00][DEPT.] to enter quick setting.

Step1. After pressing shortcut key [0][0][DEPT.] or [00][DEPT.], input the manager number and password as the LCD prompts. (Note: if you set the item 'SECURITY SET/QUICK SET NEED PSW?' to NO under SET mode, no need to input the manager number and password here.)

Step2. System prompts: <DEP NUM>, input the department number which you want to modify or input the new department number which range from 1 to 99, and then press [CASH] to confirm.

Step3. System prompts: <DEP NAME>, input the department's name, and press [CASH] key to confirm. (Please refer to chapter 8 for 'HOW TO INPUT CHARACTER'.)

Step4. System prompts: <DEP PRICE>, input the department's price (0~9999999.99) and press key [CASH] to confirm.

Step5. System prompts: <TAX IDX (1~8)>, input a digit, which range from 1 to 8, 1 for tax A; 2 for tax B; 3 for tax C; 4 for tax D; 5 for tax E; 6 for tax F; 7 for tax G; 8 for tax H. Then press [CASH].

Step6. System prompts: <DEP DISCOUNT (- %)>, set the discount rate, press [CASH] key to confirm.

Step7. System prompts: <DEP MEM. DISCOUNT (- %)>, set the member discount rate, and press key [CASH] to confirm.

Step8. System prompts: <COMMISSION (%)>, set the commission rate, press key [CASH] to confirm.

Step9. System prompts: <GROUP NUM>, set the group number, press key [CASH] to confirm.

Step10. System prompts: <IS ALLOW SUBTOTAL DISCOUNT? (0. ALLOW 1. NO ALLOW)>, it means whether allow discount after subtotal, input 0 for allow or 1 for no allow and press [CASH].

Note: In REG mode, you also can press [0][0][0][0][DEPT.] or [00][00][DEPT.] to set department information completely as the LCD prompts.

9.5 PLU Sales

PLU is the commodity. Every commodity has a price and a barcode. Input barcode number when sell PLU. PLU can be sold as per quantity or price (you should set the item ‘CLERK OPERATION/MANUAL CHANGE PRICE?’ and ‘CLERK OPERATION/MANUAL INPUT QTY?’ to YES in SET mode).

Way: when in SET mode, press [CASH], then use key [] or [] to select “CLERK OPERATION”, press [CASH], use key [] or [] to select ‘MANUAL CHANGE PRICE?’ Then use [CASH] to choose: 1.YES). Setting ‘MANUAL INPUT QTY?’ to YES is in the same way.

E.g.: Sell as PLU price

PLU barcode PLU item

[3][PLU]

[4][PLU]

Sell as key-in price

Money Unit price PLU barcode PLU item

[3][0][PRICE][3][PLU]

[5][0][PRICE][4][PLU]

Sell as quantity

Qty. multiply PLU barcode PLU item

[2][X][3][PLU]

[3][X][4][PLU]

Settle accounts

Cash [CASH]

Note: The cash register can remember the key-in price temporarily. If you sell one PLU as key-in price, then if you sell this department again before settle account, its price is still the value you just key-in. Until you do other sales operation (for example, sell another PLU), then the price will come back.

9.6 Department Sales

You can divide the commodity to several department, such as home electro-appliance department, aquatic product department, etc.. Each department has a default price. For example, price of all the fish in aquatic department is \$10/pc. One fish is selling when you press aquatic department key each time. Of course you can sell \$25's fish one time, or sell several fish one time, namely, you can sell in sales quantity or sales sum (you should set the item ‘CLERK OPERATION/MANUAL CHANGE PRICE?’ and ‘CLERK OPERATION/MANUAL INPUT QTY?’ to YES in SET mode). Press keys in following examples rightwards and downwards.

NAME	DIS	PRICE	QTY	AMOUNT	
PLU 3		30.00	1	30.00	gh
PLU 4		50.00	1	50.00	gh
PLU 3		30.00	1	30.00	gh
PLU 4		50.00	1	50.00	gh
PLU 3		30.00	2	60.00	gh
PLU 4		50.00	3	150.00	gh
Vat Details					
g TAX.A	@12.50%	ON	370.00	46.25	
h TAX.B	@ 4.00%	ON	46.25	1.85	
w TAX.H	@ 3.09%	ON	370.00	11.45	
Total Amount				e370.00	
TOTAL TAX				e59.55	
NetAmount				e429.55	
TOTAL QTY	9			e429.55	
CASH				e429.55	
MC:CRBM300000001					
					CLERK:1

E.g.: Sell as department price

Department No. [DEP3]
[DEP4]

Sell as key-in price

Money Department No.
[3][0][PRICE][DEP3]
[4][0][PRICE][DEP4]

Sell as quantity

Qty. multiply Department No.
[2][X][DEP3]
[3][X][DEP4]

Settle accounts

Cash [CASH]



TIN: 7896545
INV NO: 040816
DATE: 04/08/16 10:09 NO: 000005

NAME	DIS	PRICE	QTY	AMOUNT
DEP003		30.00	1	30.00 gh
DEP004		40.00	1	40.00 gh
DEP003		30.00	1	30.00 gh
DEP004		40.00	1	40.00 gh
DEP003		30.00	2	60.00 gh
DEP004		40.00	3	120.00 gh

Vat Details
g TAX.A @ 12.50% ON 320.00
40.00
h TAX.B @ 4.00% ON 40.00
1.60
w TAX.H @ 3.09% ON 320.00
9.90
Total Amount €320.00
TOTAL TAX €51.50
NetAmount €371.50
TOTAL QTY 9 €371.50
CASH €371.50
MC:CRBM300000001
CLERK:1

Note: The cash register can remember the key-in price temporarily. If you sell one department as key-in price, then if you sell this department again before settle account, its price is still the value you just key-in. Until you do other sales operation (for example, sell another department), then the price will come back.

9.7 Discount Operation

● -% Discount Operation

Discount rate range is 0.01%~99.99%.

Note: Before you do the PLU discount operation, please set the 'DISCOUNT SET/PLU MANUAL DISCOUNT?' to 'YES' in SET mode.

E.g. 1: Sales PLU

PLU barcode single item [3][PLU]

PLU discount

PLU barcode single item discount rate -%
[4][PLU][1][0][SHIFT][-%]

Sell PLU

PLU barcode single item [2][PLU]

PLU discount

PLU barcode single item discount rate -%
[3][PLU][1][5][SHIFT][-%]

Settle accounts

Cash [CASH]



TIN: 7896545
INV NO: 040816
DATE: 04/08/16 10:22 NO: 000007

NAME	DIS	PRICE	QTY	AMOUNT
PLU 3		30.00	1	30.00 gh
PLU 4		50.00	1	50.00 gh
	-10.00%			-5.00
PLU 2		2.00	1	2.00 gh
PLU 3		30.00	1	30.00 gh
	-15.00%			-4.50

Vat Details
g TAX.A @ 12.50% ON 102.50
12.82
h TAX.B @ 4.00% ON 12.82
0.52
w TAX.H @ 3.09% ON 102.50
3.17
Total Amount €102.50
TOTAL TAX €16.51
NetAmount €119.01
TOTAL QTY 4 €119.01
CASH €119.01
MC:CRBM300000001
CLERK:1

E.g. 2: set the ‘DISCOUNT SET/SUBTOTAL DISCOUNT?’ to ‘YES’ in SET mode.

Sales department
 Department No. [DEP3]
 [DEP4]
 [DEP5]
 [DEP6]

Subtotal discount
 Subtotal discount rate -%
 [ST][1][0][SHIFT][-]

Settle accounts
 Cash [CASH]



Note: The operation of [+%] is similar to the [-%] key

● – Discount Operation

◆ Note: set the ‘DISCOUNT SET/SUBTOTAL DISCOUNT?’ to ‘YES’ in SET mode.

This function is similar to ‘-% DISCOUNT’ function. But ‘- DISCOUNT’ function is a discount of percent sum of amount.

E.g.: key [-] transaction

Sales PLU
 PLU No. [3][PLU]
 [4][PLU]
 [5][PLU]
 [6][PLU]

Display total sum
 Subtotal [ST]

‘- DISCOUNT’ transaction
 sum discount [3][0][SHIFT][-]

Settle accounts
 Cash [CASH]



9.8 [VOID] Key Operation

During transaction, if input is wrong or customer pulls back, use key [VOID] to cancel the selected operation.

E.g.: cancel single item

Sales PLU

PLU. No. [3][PLU]
 [4][PLU]
 [5][PLU]
 [6][PLU]

Cancel last department [VOID]
 [4][PLU]

Settle accounts

Cash [CASH]

TIN:7896545					
INV. NO: 040816					
DATE:04/08/16 13:47 NO:000017					
NAME	DIS	PRICE	QTY	AMOUNT	
PLU 3		30.00	1	30.00	gh
PLU 4		50.00	1	50.00	gh
PLU 5		60.00	1	60.00	gh
PLU 6		40.00	1	40.00	gh
VOID					
PLU 4		50.00	1	-50.00	gh
Vat Details					
g TAX.A	@12.50%	ON	130.00	16.25	
h TAX.B	@ 4.00%	ON	16.25	0.65	
w TAX.H	@ 3.09%	ON	130.00	4.02	
Total Amount				e130.00	
TOTAL TAX				e20.92	
NetAmount				e150.92	
TOTAL QTY	3			e150.92	
CASH				e150.92	
MC:CRBM300000001					
					CLERK:1

9.9 [EC] Key Operation

During transaction, you can use key [EC] to cancel the last sales operation.

E.g.: cancel last item

Sales PLU

PLU No. [3][PLU]
 [4][PLU]
 [5][PLU]
 [6][PLU]

Cancel last department [EC]

Settle accounts

Cash [CASH]

TIN:7896545					
INV. NO: 040816					
DATE:04/08/16 13:51 NO:000018					
NAME	DIS	PRICE	QTY	AMOUNT	
PLU 3		30.00	1	30.00	gh
PLU 4		50.00	1	50.00	gh
PLU 5		60.00	1	60.00	gh
PLU 6		40.00	1	40.00	gh
C/E				-40.00	
Vat Details					
g TAX.A	@12.50%	ON	140.00	17.50	
h TAX.B	@ 4.00%	ON	17.50	0.70	
w TAX.H	@ 3.09%	ON	140.00	4.33	
Total Amount				e140.00	
TOTAL TAX				e22.53	
NetAmount				e162.53	
TOTAL QTY	3			e162.53	
CASH				e162.53	
MC:CRBM300000001					
					CLERK:1

Note: when settle accounts, the cashier input the received amount error (the wrong input must be less than subtotal), now, he/she can press [EC] key to correct the error, and input fact received amount to settle accounts. (This is available for all payment except check and credit.)

E.g.: if the subtotal is 237\$, and the customer pay 237\$, but the cashier input 200\$ after press [ST] key, now, please press [EC] key to cancel the last wrong input.

9.10 [A.VOID] Key Operation

During transaction, you can use key [A.VOID] to cancel a receipt before settle account.

E.g.: all void

Sales PLU

PLU No. [3][PLU]
 [4][PLU]
 [5][PLU]
 [6][PLU]

Cancel last department [SHIFT][A.VOID]

```

TIN:7896545
INV. NO.: 040816
DATE:04/08/16 14:17 NO:000020
NAME DIS PRICE QTY AMOUNT
PLU 3      30.00  1   30.00 gh
PLU 4      50.00  1   50.00 gh
PLU 5      60.00  1   60.00 gh
PLU 6      40.00  1   40.00 gh
          All VOID
All VOID                                     e180.00
MC:CRBM300000001
CLERK:1
    
```

9.11 Receive On Account Operation

Put money into drawer during non-transaction, such as put money in drawer.

E.g.: receive 200 outside of sale

[R/A]

System prompts: <R/A AMOUNT>, input [2] [00] [CASH].

```

DATE:04/08/16 14:23
R/A                                     e200.00
MC:CRBM300000001
CLERK:1
    
```

9.12 Paid Outside Operation

Draw money out from drawer during non-transaction.

E.g.: payout 200 outside of sale

[SHIFT][P/O]

System prompts: <P/O AMOUNT>, input [2] [00] [CASH].

```

DATE:04/08/16 14:26
P/O                                     e200.00
MC:CRBM300000001
CLERK:1
    
```

9.13 Cash Transaction

E.g.: Sales PLU

PLU No. [3][PLU]
 [4][PLU]
 [5][PLU]
 [6][PLU]

Subtotal [ST]

Input fact received amount [2][5][0]

Settle accounts

Cash [CASH]

```

TIN:7896545
INV. NO.: 040816
DATE:04/08/16 14:35 NO:000026
NAME DIS PRICE QTY AMOUNT
PLU 3      30.00  1   30.00 gh
PLU 4      50.00  1   50.00 gh
PLU 5      60.00  1   60.00 gh
PLU 6      40.00  1   40.00 gh
SUBTOTAL                                     e180.00
Vat Details
g TAX.A @12.50% ON 180.00 22.50
h TAX.B @ 4.00% ON 22.50 0.90
w TAX.H @ 3.09% ON 180.00 5.57
Total Amount e180.00
TOTAL TAX e28.97
NetAmount e208.97
TOTAL QTY 4 e208.97
CASH e250.00
CHANGE e41.03
MC:CRBM300000001
CLERK:1
    
```

9.14 Transaction with Preset Payment

After you set payments in SET mode, you can settle account in these destined payments according to the client's request.

E.g. 1: Sales PLU

PLU No. [3][PLU]
 [4][PLU]
 [5][PLU]
 [6][PLU]

Display sum of amount

Subtotal [ST]

Card payment [2] [SHIFT] [PAYMENT]

Press [CASH] key to settle account.

```

TIN:7896545
INV. NO.:050816
DATE:05/08/16 13:58 NO:000001
NAME DIS PRICE QTY AMOUNT
PLU 3      30.00  1   30.00 gh
PLU 4      50.00  1   50.00 gh
PLU 5      60.00  1   60.00 gh
PLU 6      40.00  1   40.00 gh
SUBTOTAL                e180.00
Vat Details
g TAX.A @12.50% ON 180.00 22.50
h TAX.B @ 4.00% ON 22.50 0.90
w TAX.H @ 3.09% ON 180.00 5.57
Total Amount e180.00
TOTAL TAX e28.97
NetAmount e208.97
TOTAL QTY 4 e208.97
VISA e208.97
MC:CRBM300000001
CLERK:1
  
```

E.g. 2: Pay a sum of card, the shortage part pay in cash.

Sales PLU

PLU No. [3][PLU]
 [4][PLU]
 [5][PLU]
 [6][PLU]

Display sum of amount

Subtotal [ST]

Card payment [2] [SHIFT] [PAYMENT]

Input the sum you want to pay by card [2][00], and then press [CASH] key to settle account or press key [C] to exit.

```

TIN:7896545
INV. NO.:050816
DATE:05/08/16 14:12 NO:000002
NAME DIS PRICE QTY AMOUNT
PLU 3      30.00  1   30.00 gh
PLU 4      50.00  1   50.00 gh
PLU 5      60.00  1   60.00 gh
PLU 6      40.00  1   40.00 gh
SUBTOTAL                e180.00
Vat Details
g TAX.A @12.50% ON 180.00 22.50
h TAX.B @ 4.00% ON 22.50 0.90
w TAX.H @ 3.09% ON 180.00 5.57
Total Amount e180.00
TOTAL TAX e28.97
NetAmount e208.97
TOTAL QTY 4 e208.97
VISA e200.00
CASH e8.97
MC:CRBM300000001
CLERK:1
  
```

9.15 Store Operation

Before settle account, the client forgets to buy some commodities. He (she) needs to postpone settling account with the cashier so as to fetch the commodities. At this moment it is not necessary for the cashier to press [VOID] to cancel the transaction amount. He can save the transaction amount via the function of 'STORE RECEIPT' (**5 receipts at most**). The transaction amount can be recalled via the function of 'RECALL RECEIPT' and settling account can be carried on after the client comes back with his newly selected goods.

E.g.: hold bill, then recall bill and sale other PLU

Sale PLU

[2][PLU]
 [3][PLU]

Store the bill

[HOLD]

```

TIN:7896545
INV. NO.:050816
DATE:05/08/16 14:21 NO:000005
NAME DIS PRICE QTY AMOUNT
PLU 2      20.00  1   20.00 gh
PLU 3      30.00  1   30.00 gh
Above price w/o tax, pls refer
to exact amount in final bill.
SAVE REG SAVE REG 2 e50.00
MC:CRBM300000001
CLERK:1
  
```

Recall the bill

[2] [RECALL]

[4][PLU]

Settle accounts

[CASH]

NAME	DIS	PRICE	QTY	AMOUNT
PLU 2		20.00	1	20.00 gh
PLU 3		30.00	1	30.00 gh
PLU 4		50.00	1	50.00 gh
Vat Details				
g TAX.A	@12.50%	ON	100.00	12.50
h TAX.B	@ 4.00%	ON	12.50	0.50
w TAX.H	@ 3.09%	ON	100.00	3.10
Total Amount				€100.00
TOTAL TAX				€16.10
NetAmount				€116.10
TOTAL QTY	3			€116.10
CASH				€116.10

TIN:7896545
 INV. NO.:050816
 DATE:05/08/16 14:23 NO:000005
 MC:CRBM300000001
 CLERK:1

9.16 Commodity Return

When the account has been settled, the customer find that he had took the wrong commodity, or he find that the commodity has been out of storage date. He/she requires returning the commodity.

Note: before commodity return, set (ALLOW RTN.) to YES in PLU SET MODE. PLU SET MODE is under BASIC SET MODE, and BASIC SET MODE is under SET MODE.

1. Return after settle account

E.g. sale PLU

[2][PLU]

[3][PLU]

Cash [CASH]

NAME	DIS	PRICE	QTY	AMOUNT
PLU 2		20.00	1	20.00 gh
PLU 3		30.00	1	30.00 gh
Vat Details				
g TAX.A	@12.50%	ON	50.00	6.25
h TAX.B	@ 4.00%	ON	6.25	0.25
w TAX.H	@ 3.09%	ON	50.00	1.55
Total Amount				€50.00
TOTAL TAX				€8.05
NetAmount				€58.05
TOTAL QTY	2			€58.05
CASH				€58.05

TIN:7896545
 INV. NO.:050816
 DATE:05/08/16 14:27 NO:000007
 MC:CRBM300000001
 CLERK:1

Return commodity [SHIFT][RTN.]

Input the returned PLU

[2][PLU]

[CASH]

NAME	DIS	PRICE	QTY	AMOUNT
PLU 2		20.00	1	-20.00 gh
Vat Details				
g TAX.A	@12.50%	ON	20.00	2.50
h TAX.B	@ 4.00%	ON	2.50	0.10
w TAX.H	@ 3.09%	ON	20.00	0.62
Total Amount				€20.00
TOTAL TAX				€3.22
NetAmount				€23.22
TOTAL QTY	1			€23.22
CASH				€23.22

TIN:7896545
 INV. NO.:050816
 DATE:05/08/16 15:16 NO:000010
 REFUND RECEIPT
 MC:CRBM300000001
 CLERK:1

2. Return part of a commodity

E.g.: sale PLU [2][PLU]
 [3][PLU]
 Cash [CASH]



Return half of PLU3 [SHIFT][RETURN]
 Input the part that client want to return
 [0][.][5][X][3][PLU]
 [CASH]



9.17 Promoter Operation

The cash register support 99 promoters totally.

E.g. promoter login (before transaction has been done)

No.1 promoter login:

Press key [PROM.]

System prompts: <INPUT SALESMAN/WAITER>.

press salesman's No. or waiter's No.

[5][CASH]

Sell PLU [2][PLU]

[3][PLU]

Settle account [CASH]



Note: After the client settles account, the promotion worker logout automatically. When the promotion worker promote next commodity, he or she need to login again.

9.18 Calculator Operation

The machine has calculator function:

Press key  when the cash register is not in the transaction status, it can work as a calculator.

LCD display:

0

CALC	26
------	----

E.g.

26×3

[2][6][X][3][CASH]

CALC	3
------	---

78

Note: press  key again to exit calculation mode.

10 X/Z Report Mode

10.1 Introduction

This section gives instructions of taking reports. Reports are divided into two basic categories:

X reports, which read totals without resetting.

Z reports, which read totals and reset them to zero.

Most reports are available in both categories. Some reports, such as the 'X STOCK REPORT' and the 'X TIME REPORT' are only available as X reports.

Use key [CLERK] shift to X mode, input the manager number and password, then press [CASH] enter X mode.

Use key [CLERK] shift to Z mode, input the manager number and password, then press [CASH] enter Z mode.

A complete list of available reports is presented in a chart below.

10.2 Report Table

Report Number	Report Name	Report Mode	Report Descriptions
1	Daily Report	X/Z	Prints all sales info after last time Z daily report. It can be printed when stop working every day so as to facilitate future query.
2	Attendance Report	X/Z	This report is to show all clerks' attendance information after last time Z attendance report.
3	Yearly Report	X/Z	This report is to show all sales information after last time Z yearly report.
4	Monthly Report	X/Z	This report is to show all sales information after last time Z monthly report.
5	Layby Report	X	This report is to show the layby information of each member card.
22	Prn Term Rep	X	It contains of daily term report, PLU return term report, PLU term report and profit report. Daily Term Report accumulates sales info for all X daily reports from last time X term report. Profit report is to show each X daily report's profit. PLU return term report is to show return PLU information. PLU term report accumulates PLU sales information for all PLU reports from last time PLU term report.
10	Clerk Daily Report	X	This report can show you each clerk's daily report.
11	Cash In Drawer	X	This is a report to show the cash amount in drawer.
12	RTN Report	X/Z	This report is to show the returned commodity.
13	Bill Wise Summary Report	X/Z	This report displays the transaction bill detail and summary.
14	Bill No. Report	X	This report can show you the sales sum and date/time in each receipt.

15	Cancel/Void Report	X	This report shows all cancel or void transaction info.
16	Salesman/Waiter Commission Report	X/Z	This report shows you the commission of each salesman/waiter.
17	Salesman/Waiter Report	X	This report shows you the sales information of each salesman/waiter.
18	Slow Moving Item	X	This report shows the stock of PLUs that are not sold for 90 days.
19	PLU Inventory Report	X	This report shows the PLU inventory information.
20	Stock Report	X	This report is to show the information of the stock.
21	Time Report	X	This prints all sales info by an hour after last time Z daily report.
22	Group Report	X/Z	This report shows all groups' sales quantities and sum after last time Z group report.
23	Department Report	X/Z	Prints all department sales info after last time Z department report.
24	PLU Report	X/Z	Prints all PLU sales info after last time Z PLU report.
25	Tax Term Report	Z	This report accumulates tax information for all Z PLU reports during the term you input.
26	TERM REP	Z	It contains of PLU term report, term daily report, PLU return term report. PLU term report accumulates PLU sales information for all PLU reports from last time PLU term report. Term daily report accumulates sales info for all Z daily reports from last time Z term report. PLU return term report is to show return PLU information.

10.3 Daily Report

Daily report printed when come off work every day so as to facilitate future query.

Enter X/Z mode, use key [↑] and [↓] to select 'X DAILY REPORT' or 'Z DAILY REPORT', press key [CASH] to print.

Note: when you print Z daily report, the drawer will open automatically.

```

DATE:27/09/16 09:49
X DAILY REPORT
Z1 000001
NET SALE:COUNT 13
NET SALE:AMOUNT e1,616.50
No MEM.SALE:COUNT 13
No MEM.SALE:AMOUNT e1,825.88
-%:COUNT 2
-%:AMOUNT -e9.50
UNSHARE SUB-%:COUNT 1
UNSHARE SUB-%:AMOUNT e-20.00
UNSHARE SUB -:COUNT 1
UNSHARE SUB -:AMOUNT e-30.00
E/C:COUNT 1
E/C:AMOUNT -e60.00
VOID:COUNT 1
VOID:AMOUNT -e50.00
ALL VOID:COUNT 1
ALL VOID:AMOUNT -e140.00
STORE:COUNT 1
STORE:AMOUNT -e32.00
R/A:COUNT 1
R/A:AMOUNT e5.00
TAKING
CASH:COUNT 12
CASH:AMOUNT e1,467.68
VISA:COUNT 2
VISA:AMOUNT e358.20
DRAWER CASH:AMOUNT e1,472.68
CLERK REPORT
CLERK AMOUNT
A e1,825.88
DATE:27/09/16 09:49
DEPARTMENT REPORT
27/09/16 09:39:46
27/09/16 09:49:05
NAME PRIVATE QTY
DIS AMOUNT
a -29.99 34
-9.5 1,461.58
DEP003 -3.00 3
0.00 98.25
DEP004 -4.00 3
0.00 131.00
DEP005 -6.00 1
0.00 61.50
DEP006 -7.00 1
0.00 71.75
TAX REPORT
g TAX.A AMOUNT e201.32
h TAX.B AMOUNT e8.06
TOTAL TAX e209.38
g TAX.A SALES AMT e1,610.51
h TAX.B SALES AMT e201.32
NON-TAXABLE SALES AMT e0.00
Grand Total Amt e1,825.88
MANAGER:1
    
```

10.4 Tax Term Report

In Z mode, use key [↑] or [↓] to choose item 'TAX TERM REPORT', and press key [CASH].

BY DATE
BY Z1 Count

If you choose 'BY DATE', press [CASH], the system prompts: <DATE TERM (DDMMYYDDMMYY)>, DD is day, MM is month, YY is year, input the start date and end date.

If you choose 'BY Z1 Count', press [CASH], the system prompts: <INPUT Z1 Count (SSSSEEEE)>, SSSS is the start Z1 count number, EEEE is the end Z1 count number.

DATE:10/08/09 16:38
TAX TERM REPORT

08-08-09 --- 10-08-09

Z1 0001	08-08-09	
AMOUNT		\$135.00
TAX		\$3.45

Z1 0002	08-08-09	
AMOUNT		\$959.50
TAX		\$35.35

Z1 0003	08-08-09	
AMOUNT		\$0.00
TAX		\$0.00

Z1 0004	10-08-09	
AMOUNT		\$510.00
TAX		\$23.26

Z1 0005	10-08-09	
AMOUNT		\$360.00
TAX		\$12.28

TOTAL AMOUNT		\$1,964.50
TOTAL TAX		\$74.34
MC:00000000	MANAGER:1	

By date

DATE:10/08/09 16:39
TAX TERM REPORT

0001 --- 0004

Z1 0001	08-08-09	
AMOUNT		\$135.00
TAX		\$3.45

Z1 0002	08-08-09	
AMOUNT		\$959.50
TAX		\$35.35

Z1 0003	08-08-09	
AMOUNT		\$0.00
TAX		\$0.00

Z1 0004	10-08-09	
AMOUNT		\$510.00
TAX		\$23.26

TOTAL AMOUNT		\$1,604.50
TOTAL TAX		\$62.06
MC:00000000	MANAGER:1	

By Z1 count

10.5 PLU Report

Enter X/Z mode, use key [↑] and [↓] to select 'X PLU REPORT' or 'Z PLU REPORT', press key [CASH] to enter.
 System prompts: <DEPARTMENT>, press [CASH] key to enter.

System prompts: <Input DEP num to print (0 PRINT ALL)>, input the department number, and then press [CASH] key to print PLU report. If you want to print all PLU information, input 0 here.

During printing, you can press [FEED] key to stop printing.

DATE:28/09/16 11:51

X PLU REPORT
 DEPARTMENT
 DEP003
 27/09/16 11:49:36
 28/09/16 11:51:02

SL	ItemName	QTY	AMOUNT
1	2	60	498.29
2	PLU 3	150.5	5,246.51
3	PLU 5	55	3,768.00
4	PLU 7	2	59.63
TOTAL:		267.5	€9,572.43

MC:CRBM300000001 MANAGER:1

Total sales quantity ← → Total sales amount

10.6 Department Report

Department report prints all department sales info after last time Z department report.

Enter X/Z mode, use key [↑] and [↓] to select 'DEPARTMENT REPORT' or 'Z DEPARTMENT REPROT'.

Press key [CASH] to print department report.

DATE:28/09/16 13:16

DEPARTMENT REPORT
 28/09/16 11:16:05
 28/09/16 13:16:29

NAME	PRIVATE DIS	QTY	AMOUNT
a	-1.60	10	319.40
DEP003	-21.80	20	681.08
DEP004	-2.00	6	268.00
DEP005	0.00	2	135.00
	0.00		

MC:CRBM300000001 MANAGER:1

10.7 Time Report

This prints all sales info by an hour after last time Z daily report.

In X mode, use key [↑] or [↓] to choose 'X TIME REPORT', press [CASH] key to print.

DATE:28/09/16 13:24

TIME REPORT

Time ← 19/09/16 16:25:51
28/09/16 13:24:48

How many net sales have been ← generated during this period.

TIME	RATE	QTY	AMOUNT
09--10	52.54%	44	€4,458.35
10--11	2.13%	1	€180.80
11--12	31.30%	28	€2,656.07
15--16	0.11%	1	€10.18
16--17	4.74%	4	€402.76
17--18	3.04%	11	€258.11
18--19	6.11%	6	€518.54
TOTAL		95	€8,484.81

MC:CRBM300000001 MANAGER:1

10.8 Stock Report and Stock Warning Report

These two reports are to show the information of the stock, and the 'STOCK WARNING REPORT' will give you a warning when some PLU is below the cautionary stock you input.

In X mode, use key [↑] or [↓] to choose 'STOCK REPORT', press [CASH] key to enter.

In 'STOCK REPORT' mode, use key [↑] or [↓] to choose 'X STOCK REPORT', press [CASH] key to enter.

System prompts: <INPUT DEPARTMENT>, input the department number, press [CASH] key to print.

In 'STOCK REPORT' mode, use key [↑] or [↓] to choose 'STOCK WARNING REPORT', press [CASH] key to enter.

System prompts: <INPUT WARNING STOCK>, input warning stock, press [CASH] key to print. (E.g. if you set the warning stock as 10, then the 'STOCK WARNING REPORT' will show you the PLU with stock under 10.)

DATE:10/10/16 13:23

X STOCK REPORT

NAME DEP	STOCK AMOUNT
PLU1 3 12.50%	-1
PLU 2 3 12.50%	2
	€63.30
PLU 3 3 12.50%	-9
PLU 4 3 12.50%	-1
PLU 5 3 12.50%	-12
PLU 6 3 12.50%	2
	€0.00
PLU 7 3 12.50%	-5
PLU 8 3 12.50%	4
	€120.00
TOTAL:	€183.30

MC:CRBM300000001
MANAGER:1

DATE:28/09/16 13:51

WARNING STOCK REPORT

NAME DEP	STOCK AMOUNT
PLU1 3 12.50%	7
	€182.00
PLU 2 3 4.00%	0
	€0.00
PLU 3 3 12.50%	1
	€555.00
PLU 4 3 12.50%	2
	€0.00
PLU 6 3 12.50%	8
	€0.00
PLU 8 3 12.50%	6
	€180.00
TOTAL:	€917.00

MC:CRBM300000001
MANAGER:1

10.9 X Salesman/Waiter Report

This report shows you the sales information of each salesman/waiter.

In X mode, use key [↑] or [↓] to choose 'X SALESMAN/WAITER REPORT', press [CASH] key to print.

```
DATE:28/09/16 14:17
SALESMAN/WAITER REPORT
28/09/16 11:16:05
28/09/16 14:17:56
02SALESMAN02:COUNT      2
02SALESMAN02:AMOUNT      €35.75
03SALESMAN03:COUNT      2
03SALESMAN03:AMOUNT      €112.50
05SALESMAN05:COUNT      2
05SALESMAN05:AMOUNT      €123.75
MC:CRBM300000001
MANAGER:1
```

10.10 X Salesman/Waiter Commission Report

This report shows you the commission information of each salesman/waiter.

In X mode, use key [↑] or [↓] to choose 'X SALESMAN/WAITER COMMISSION REPORT', press [CASH] key to print.

Note: you must set the commission rate (refer to chapter 12.1.1 for details), and set the item 'CLERK OPERATION/ SALESMAN/WAITER WORK ON COMMISSION?' to 'YES' in SET mode.

```
DATE:28/09/16 14:36
X COMMISSION REPORT
19/09/16 16:25:51
28/09/16 14:36:39
SLM:          COMMISSION
QTY          AMOUNT
02 SALESMAN02  €23.63
2.000        €94.50
03 SALESMAN03  €8.94
2.000        €35.75
MC:CRBM300000001
MANAGER:1
```

10.11 Bill Wise Summary Report

This report shows the transaction bill wise detailed report and summary report.

In X mode, use key [↑] or [↓] to choose 'X BILL WISE SUMMARY REPORT', press [CASH].

LCD displays:

DETAILED
SUMMARY

use key [↑] or [↓] to choose "DETAILED" or "SUMMARY", press [CASH].

LCD displays:

BL__NO. TO BL__NO. ▶ Print report by serial number.

DATE TO DATE ▶ Print report by date.

use key [↑] or [↓] to choose "BL__NO. TO BL__NO." or "DATE TO DATE", system will prompt to input the start and end serial number, or the start and end date and time, input date or serial number according to your choice, and then press [CASH] to print report.

DATE:28/09/16 15:15

BILL WISE DETAILED REPORT ▶ Print report by serial number.

BL_NO	SLM	CV	AMOUNT
TAX	DIS	TOTAL	MOD
03/08/16			
00000025	0 1		1.00
0.17	0.00		1.28CASH
00000026	0 1		3.00
0.49	0.00		3.83CASH
00000027	0 1		2.00
0.32	0.00		2.55CASH
00000028	0 1		1.00
0.17	0.00		1.17CASH
00000029	0 1		80.00
12.88	0.00		92.88CASH
00000030	0 1		180.00
28.98	0.00		208.98CASH
00000031	0 1		330.00
53.11	0.00		383.11CASH
TAX	€96.12	DIS	€0.00
TOTAL			€693.80

MC:CRBM300000001
MANAGER:1

DATE:28/09/16 15:39

BILL WISE DETAILED REPORT ▶ Print report by date.

BL_NO	SLM	CV	AMOUNT
TAX	DIS	TOTAL	MOD
28/09/16			
00000238	0 1		32.00
3.90	0.00		35.90CASH
00000239	0 1		140.00
18.20	0.00		158.20CASH
TAX	€22.10	DIS	€0.00
TOTAL			€194.10

MC:CRBM300000001
MANAGER:1

10.12 RTN Report

This report is to show the returned commodity.

In X or Z mode, use key [↑] or [↓] to choose 'X RTN REPORT' or 'Z RTN REPORT', press [CASH] key to print.

```
DATE:28/09/16 15:40
X RTN REPORT
19/09/16 16:25:51
28/09/16 15:40:38
NAME          QTY  AMOUNT
PLU1          1    23.11
PLU 2         5    31.11
PLU 3         3.5  118.59
TOTAL:      9.5    €172.81
MC:CRBM300000001
MANAGER:1
```

10.13 Cash In Drawer

This is a report to show the record of RA/PO operation and the cash amount in drawer.

In X mode, use key [↑] or [↓] to choose 'Cash In Drawer', press [CASH] key to print.

```
DATE:28/09/16 15:43
CASH IN DRAWER REPORT
R/A:AMOUNT    €200.00
P/O:AMOUNT    €300.00-
DRAWER CASH:AMOUNT €2,707.95
MC:CRBM300000001
MANAGER:1
```

10.14 Clerk Daily Report

This is a report to show the daily sales information of each clerk.

In X mode, use key [↑] or [↓] to choose 'X CLERK DAILY REPORT', press [CASH].

The system prompts: <Input clerk>, input the clerk code, and press [CASH] key to confirm.

The system prompts: <Input drawer amount>, input the drawer amount, and press [CASH] key to confirm, or press [CASH] key directly to print this report.

```

DATE:28/09/16 15:49
      19/09/16 16:25:51
      28/09/16 15:49:40
CLERK: 1  DAILY REPORT
NET SALE:COUNT      34
NET SALE:AMOUNT      €2,487.20
No MEM.SALE:COUNT   34
No MEM.SALE:AMOUNT   €2,807.95
-%:COUNT            3
-%:AMOUNT             -€21.60
UNSHARE SUB-%:COUNT 9
UNSHARE SUB-%:AMOUNT €-73.20
R/A:COUNT           1
R/A:AMOUNT            €200.00
P/O:COUNT           1
P/O:AMOUNT            -€300.00
      TAKING
CASH:COUNT          34
CASH:AMOUNT          €2,807.95
DRAWER CASH:AMOUNT   €2,707.95
Input drawer amount:AMOUNT
                        €500.00
DRAWER AMT MARGIN:AMOUNT
                        -€2,207.95
-----
MC:CRBM300000001
MANAGER:1

```

10.15 Prn Term Report

In X mode, use key [↑] or [↓] to select the item 'Prn Term Report', press key [CASH] to enter.

- **X Daily Term Report**

Accumulates sales info for all Z daily reports from last time Z term report.

Use key [↑] or [↓] to select the item 'X DAILY TERM REPORT', press key [CASH] to print daily term report.

DATE:28/09/16 15:57

X TERM REPORT

19/09/16 16:25:51
28/09/16 15:57:15

NET SALE:COUNT	91
NET SALE:AMOUNT	€6,757.55
No MEM.SALE:COUNT	86
No MEM.SALE:AMOUNT	€7,881.68
+:COUNT	2
+:AMOUNT	€2.01
-:COUNT	7
-:AMOUNT	-€28.70
E/C:COUNT	3
E/C:AMOUNT	-€140.00
VOID:COUNT	5
VOID:AMOUNT	-€200.00
ALL VOID:COUNT	4
ALL VOID:AMOUNT	-€424.00
STORE:COUNT	4
STORE:AMOUNT	-€266.00
R/A:COUNT	2
R/A:AMOUNT	€205.00
P/O:COUNT	1
P/O:AMOUNT	-€200.00

TAKING

CASH:COUNT	95
CASH:AMOUNT	€7,057.62
d6564:COUNT	3
d6564:AMOUNT	€47.16
VISA:COUNT	5
VISA:AMOUNT	€561.42
PAYMENT10:COUNT	25
PAYMENT10:AMOUNT	€96.63
VISA:COUNT	2
VISA:AMOUNT	€11.69

NAME	PRIVATE DIS	QTY AMOUNT
a	-68.74	188
	-26.6	6,354.48
DEP003	-6.00	10
	0.00	331.50
DEP004	-8.00	10
	0.00	442.00
DEP005	-12.00	4
	0.00	258.00
DEP006	-14.00	3
	0.00	222.25

MC:CRBM300000001

MANAGER:1

● X Profit Report

This report is to show each X daily report's profit.

Use key [↑] or [↓] to choose the item 'X PROFIT REPORT', and press key [CASH] to enter.

Input START DATE and END DATE, the format is DDMMYYYY (DD indicates day, MM indicates month, and YYYY indicates year).

DATE:28/09/16 17:11

PROFIT REPORT
28/09/16 ---28/09/16

Z1	DATE	AMOUNT	PROF
000001	28/09/16	€105.00	
			€27.00
TOTAL		€0.00	€27.00

MC:CRBM300000001

MANAGER:1

10.16 Z Term Daily Report

In Z mode, use key [↑] or [↓] to choose the item 'Z TERM REP', and press key [CASH] to enter.
 Use key [↑] or [↓] to choose the item 'Z TERM DAILY REPORT', and press key [CASH] to print.

```

DATE:29/09/16 09:17
      Z TERM REPORT
      19/09/16 16:25:51
      29/09/16 09:17:30

NET SALE:COUNT      138
NET SALE:AMOUNT      €10,240.93
No MEM.SALE:COUNT  133
No MEM.SALE:AMOUNT   €11,814.90
-----
+ %:COUNT           2
+ %:AMOUNT            €2.01
- %:COUNT            10
- %:AMOUNT            -€50.30
E/C:COUNT            3
E/C:AMOUNT            -€140.00
VOID:COUNT           5
VOID:AMOUNT           -€200.00
ALL VOID:COUNT       4
ALL VOID:AMOUNT       -€424.00
STORE:COUNT          4
STORE:AMOUNT          -€266.00
-----
R/A:COUNT            5
R/A:AMOUNT            €2,505.00
P/O:COUNT            3
P/O:AMOUNT            -€1,400.00
-----
                        TAKING
CASH:COUNT           143
CASH:AMOUNT           €10,990.84
d6564:COUNT          3
d6564:AMOUNT          €47.16
VISA:COUNT           5
VISA:AMOUNT           €561.42
PAYMENT10:COUNT     25
PAYMENT10:AMOUNT     €96.63
VISA:COUNT           2
VISA:AMOUNT           €11.69
-----
NAME      PRIVATE  QTY
          DIS     AMOUNT
-----
a          -70.34   198
          -26.6   6,673.88
DEP003    -76.43    89
          -21.6   3,399.22
DEP004    -10.00    19
          0.00   845.00
DEP005    -12.00     6
          0.00   393.00
DEP006    -14.00     3
          0.00   222.25

MC:CRBM300000001
                        MANAGER:1
  
```

10.17 Monthly Report

In X/Z mode, use key [↑] or [↓] to choose the item 'X MONTHLY REPORT' or 'Z MONTHLY REPORT', and press key [CASH] to print.

```

DATE:29/09/16 09:30

X MONTHLY REPORT

19/09/16 16:25:51
29/09/16 09:30:48

NET SALE:COUNT      124
NET SALE:AMOUNT      €9,643.93
No MEM.SALE:COUNT   119
No MEM.SALE:AMOUNT   €11,121.24
+-%:COUNT           2
+-%:AMOUNT           €2.01
-:%:COUNT           10
-:%:AMOUNT           -€50.30
E/C:COUNT           3
E/C:AMOUNT           -€140.00
VOID:COUNT           4
VOID:AMOUNT           -€180.00
ALL VOID:COUNT      4
ALL VOID:AMOUNT      -€424.00
STORE:COUNT          4
STORE:AMOUNT          -€266.00
R/A:COUNT            5
R/A:AMOUNT            €2,505.00
P/O:COUNT            3
P/O:AMOUNT            -€1,400.00

TAKING

CASH:COUNT           124
CASH:AMOUNT           €10,353.74
VISA:COUNT           3
VISA:AMOUNT           €558.20
PAYMENT10:COUNT      24
PAYMENT10:AMOUNT      €91.67
VISA:COUNT           1
VISA:AMOUNT           €10.47

NAME      PRIVATE  QTY
          DIS    AMOUNT
a          -70.34  173
          -26.6  6,003.49
DEP003    -76.43   89
          -21.6  3,399.22
DEP004    -10.00   19
          0.00  845.00
DEP005    -12.00    6
          0.00  393.00
DEP006    -14.00    3
          0.00  222.25

MC:CRBM300000001
MANAGER:1
    
```

11 FUNCTIONS IN SYSTEM SET MODE

Attention:

1. If transaction has done, Z daily report must be printed before entering SYSTEM SET mode, and clerk need to login again.
2. When error occurs and ERR X displayed, press [CL/ESC] to back to the previous mode, and refer to chapter 14 for the error details.

Following items can be set in S mode:

- ✓ CHANGE TO TRAINING MODE (show in user mode)/CHANGE TO USER MODE (show in training mode)
- ✓ CHANGE TO TAX MODE (show in user mode, it will disappear in tax mode)
- ✓ MACHINE NO. PROGRAM
- ✓ SET CLERK
- ✓ SET SALESMAN/WAITER
- ✓ OPTION OF DATA UPLOAD
- ✓ CLEAR SALES DATA
- ✓ SET LOCAL CURRENCY SYMBOL
- ✓ SET RECEIPT TYPE
- ✓ DATE AND TIME SET
- ✓ SET ALARM POINT FOR TIME DIFFERENCE
- ✓ ORGANIZE DATA
- ✓ EXTERNAL DEVICE SET
- ✓ FISCAL SET

Press key [CLERK] to shift to SYSTEM SET mode, press [CASH] key. Input manager number and password, and then press key [CASH] to enter. (If you set the purview 'SYSTEM SET' for the clerk, then here no need to input manager number and password.)

Press key [↑] or [↓] to select the item you want to set in SYSTEM SET mode.

In SYSTEM SET mode, define some function keys below:

[↑]	Select previous item
[↓]	Select next item
[CASH]	Confirm
[CL]	Clear current input / Exit System mode

11.1 Change to Training Mode/Change to User Mode Setting

If you are in USER mode, this item will be shown as 'CHANGE TO TRAINING MODE'; if you are in TRAIN mode, this item will be shown as 'CHANGE TO USER MODE'.

Use key [↑] or [↓] to select 'CHANGE TO TRAINING MODE' or 'CHANGE TO USER MODE' item, press key [CASH].

After system prompts: <INPUT ECR NO (8DIGIT)>, input the 8-digit machine number which is marked on the receipt, and then press [CASH] to confirm.

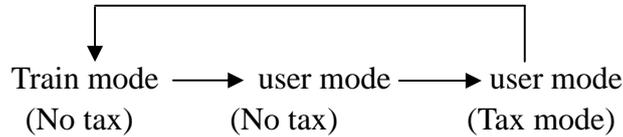
Wait for several seconds, system comes back to REG mode, and a clerk need to login again.

Note: all sales data in training mode can't be stored.

11.2 Change to Tax Mode

Use key [↑] or [↓] to select 'CHANGE TO TAX MODE' item, press key [CASH] to enter this function.

After system prompts: <INPUT ECR NO (8 DIGIT)>, input the machine number which is marked on the receipt. Then press [CASH] to confirm. Wait for several seconds, system comes back to REG mode, and a clerk need to login again.



Note: if you want to transfer to no tax mode when you are in tax mode, you need to transfer to training mode first, and then transfer to user mode. At this time, you will be in the no tax mode.

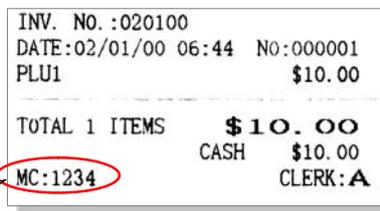
11.3 Machine No. Program

This function is to define the machine number by user self. If you want to differentiate several cash register in your store, this function is useful.

Use key [↑] or [↓] to select 'MACHINE NO. PROGRAM' item, press key [CASH] to enter this function.

System prompts: <INPUT MACHINE NO. (4 DIGIT)>, input a 4-digit number as the machine number, and then press [CASH] key to confirm.

After program the machine No., if you want to print it on receipt, the 'RECEIPT SET/PRINT DEFINE STORE MACHINE NO. (SMC)?' in SET mode should be set to YES.



Here shows the user-defined machine number.

11.4 Set Clerk

This cash register default has 4 clerks, the No.1 clerk is the manager with all purviews, and the others only have the purview of sale operation. Use key [↑] or [↓] to select 'SET CLERK' item, press key [CASH] to enter this function.

System prompts: <IDX (1~4)>, input the clerk's number, and then press [CASH] to confirm.

System prompts: <CLERK NAME>, input the clerk's name, and then press [CASH] key to confirm. (Please refer to chapter 8 for 'HOW TO INPUT CHARACTER'.)

System prompts: <PSW>, set the clerk password, and then press [CASH] key to confirm. If you won't set password, press [CASH] directly to skip this step.

You can set some purview for this clerk. The LCD will display the following items:

CHECK ALL
+ X REPORT
+RTN MODE
SET
Z REPORT
SYSTEM SET
ADD TO STOCK
CHECK STOCK
OPEN DRAWER

Use the key [↑] or [↓] to select the item you want, and press [CASH] key to switch on or off. The symbol ‘+’ in the front of the item shows the purview of this clerk.

Note: if you set the purview ‘SET’ for the clerk (namely this clerk can enter SET mode without manager password), all settings about password in ‘SECURITY SET’ is invalid. That means whether the settings about password in ‘SECURITY SET’ is on or not, this clerk can do these operations (all void, E/C, hold, void, quick set, etc.) without password.

11.5 Set Salesman/Waiter

This function is to set salesman/waiter.

Use key [↑] or [↓] to select ‘SET SALESMAN/WAITER’ item, press [CASH].

System prompts: <IDX>, input salesman/waiter code, and press [CASH].

System prompts: <NAME>, input the name of Salesman/Waiter, and press [CASH] to confirm.

11.6 Option of Data Upload

Use key [↑] or [↓] to select ‘OPTION OF DATA UPLOAD’ item, press [CASH].

System prompts: <UPLOAD BILL WISE SUMMARY TO PC?>, press [CASH].

Use key [↑] or [↓] to select ‘YES’ or ‘NO’, press [CASH].

11.7 Clear Sales Data

11.7.1 Set the Sales Data Which Will Be Cleared

Use key [↑] or [↓] to select “SET THE SALES DATA WHICH WILL BE CLEARED” item, press [CASH].

Use key [↑] or [↓] to select each item, and choose “YES” or “NO” to decide whether to clean the chosen data.

11.7.2 Clear Sales Data

Use key [↑] or [↓] to select “CLEAR SALES DATA” item, press [CASH].

The system prompts: <WARNING!! ALL SALE DATA WILL LOST, INPUT 555 IF CONFIRM>. If you input 555, and press [CASH], all sales date which you choose to clear in “SET THE SALES DATA WHICH WILL BE CLEARED” will be erased.

11.7.3 Erase ECR Data

This function is to erase all sales data in the ECR, you should do this operation carefully.

Use key [↑] or [↓] to select “ERASE ECR DATA” item, press [CASH].

The system prompts: <WARNING!! ALL DATA WILL LOST, INPUT 777 IF CONFIRM>. If you input 777, and press [CASH], all sales data in the ECR will be erased.

11.8 Set Local Currency Symbol

You can set the local currency symbol in this function.

Use key [↑] or [↓] to select ‘SET LOCAL CURRENCY SYMBOL’ item, press [CASH].

Input the symbol no more than 3 characters, and then press [CASH]. (Please refer to chapter 8 for ‘HOW TO INPUT CHARACTER’.)

11.9 Set Receipt Type

This function is used to select the receipt type. There are two types of receipt format in the system for choice.

Use key [↑] or [↓] to select ‘SET RECEIPT TYPE’ item, and then press [CASH].

The system prompts: <RECEIPT TYPE (0.REGULAR 1.IRREGULAR)>.

Input 0 or 1 and then press [CASH] key to select a type.

11.10 Date and Time Set

11.10.1 Set Date

Use key [↑] or [↓] to select ‘DATE AND TIME SET’ item, and then press [CASH] to enter.

Use key [↑] or [↓] to select ‘SET DATE’ item, and then press [CASH] to enter.

After system prompts: <DATE (DDMMYYYY)>, input the date, and then press [CASH] to confirm.

The date format is DDMMYYYY. DD indicates the day (01 to 31); MM indicates the month (01 to 12); YYYY indicates the year.

For example, set the date 26/08/2010:

Press [2][6][0][8][2][0][1][0][CASH]. A receipt will be printed with the date on it.

11.10.2 Time Set

Use key [↑] or [↓] to select 'DATE AND TIME SET' item, and then press [CASH] to enter.

Use key [↑] or [↓] to select 'TIME SET' item, and then press [CASH] to enter.

After system prompts: <TIME (HHMMSS)>, input the time, and then press [CASH] to confirm.

The time format is HHMMSS. HH stands for the hour (00 to 23); MM stands for the minute (00 to 59); SS stands for the second (00 to 59).

For example, set time 14:10:30:

Press [1][4][1][0][3][0][CASH]. A receipt will be printed with the time and date on it.

11.11 Set Alarm Point for Time Difference

This function is used to set the warning minutes for time difference between ECR and PC. If the time difference between ECR and PC is over the warning minutes, the machine will give an alarm.

Use key [↑] or [↓] to select 'SET ALARM POINT FOR TIME DIFFERENCE' item, and then press [CASH].

System prompts: <INPUT WARNING TIME (MINUTE)>. Input the warning minutes here, and then press [CASH] confirm.

11.12 External Device Set

11.12.1 RS232 Device Set

The machine has a RS232 port which is used to connect to PC or some external devices with a communication cable.

Use key [↑] or [↓] to select 'RS232 DEVICE SET' item, and press key [CASH] to enter this function.

System prompts: <RS232 COM (1)>, input number 1 and press [CASH] to enter, then use key [↑] or [↓] choose a type and then press [CASH] to confirm.

11.12.2 Set Scale Type

ECR is supported to connect with an external scale. Before using, the setting is necessary.

Use [↑] or [↓] key to select 'SET SCALE TYPE' item, and then press [CASH] to enter.

System prompts: <SCALE TYPE (0.FTP 1.ANGEL 2.SNOWREX 3.Embedded Scale 4.HMS weighing machine)>. Input a number to choose one type of scale, and then press [CASH] key to confirm.

11.12.3 Set Receipt Printer

Use [↑] or [↓] key to select 'SET RECEIPT PRINTER' item, and then press [CASH] to enter.

Use [↑] or [↓] key to select 'NO USE' or 'TVS PRINTER', and then press [CASH] to confirm.

If 'TVS PRINTER' is set, users can set blank spaces for printing, so that the paper cutter on your printer cuts the receipt properly. System prompts: <Head Line num (0~15)>. Input the head line number ranging from 0 to 15, and then press [CASH] to confirm. System prompts: <Tail Line num (0~15)>. Input the tail line number ranging from 0 to 15, and then press [CASH] to confirm. E.g. the head line number is set 2 and the tail line number is set 4, the receipt will be printed with 2 blank head lines and 4 blank tail lines.

11.13 Fiscal Set

Note: After change to TAX mode, press key [] or [], then you can see this item 'FISCAL SET' in 'SYSTEM SET' MODE. Press key [CASH] to enter this function.

11.13.1 Tax Rate

Use key [] or [] to select 'TAX RATE' item in 'FISCAL SET' MODE, press key [CASH] to enter this function.

After system prompts: <TAX IDX (1~8)>, input a digit, which range from 1 to 8, 1 for tax A; 2 for tax B; 3 for tax C; 4 for tax D; 5 for tax E; 6 for tax F; 7 for tax G; 8 for tax H. Then press [CASH].

System prompts: <TAX FLAG>, tax flag is marked behind the price, for example, you set A, then, 'A' will display behind the price. And it also can be hidden if you set the tax flag to space. (Please refer to chapter 8 for 'HOW TO INPUT CHARACTER'.)

System prompts: <TAX NAME>, input tax name and press [CASH]. (Please refer to chapter 8 for 'HOW TO INPUT CHARACTER'.)

System prompts: <TAX DEPEND ON TAX? (1. YES 0. NO)>, input number 1 or 0 to choose whether set this tax as the tax-on-tax.

Input tax rate and press [CASH] key to confirm your setting.

Note: you can only set one type of tax as the tax-on-tax.

NAME	DIS	PRICE	QTY	AMOUNT
PLU 3		30.00	1	30.00 gh
PLU 4		50.00	1	50.00 gh
PLU 5		60.00	1	60.00 gh
PLU 6		40.00	1	40.00 gh
VOID				
PLU 4		50.00	1	-50.00 gh
Vat Details				
g TAX.A	@12.50/	ON	130.00	16.25
h TAX.B	@ 4.00/	ON	16.25	0.65
w TAX.H	@ 3.09/	ON	130.00	4.02
Total Amount				€130.00
TOTAL TAX				€20.92
NetAmount				€150.92
TOTAL QTY	3			€150.92
CASH				€150.92
MC:CRBM300000001				
				CLERK:1

11.13.2 Tax Head Line and Tax Tail Line

Use key [] or [] to select the item 'TAX HEAD LINE' or 'TAX TAIL LINE' item, press key [CASH] to enter this function.

After system prompts: <IDX (1~3)>, input the index of the line you want to edit, press [CASH].

System prompts: <MSG>, input the message (please refer to chapter 8 for 'HOW TO INPUT CHARACTER'), and then press [CASH] key to finish the setting.

11.13.3 TIN NO.

Use key [] or [] to select the item 'TIN NO.' item, press key [CASH] to enter this function.

Input the number, and then press [CASH] key to finish the setting.

11.13.4 Print Tax on Receipt?

This is to set whether to print tax on receipt.

Use key [] or [] to select the item 'PRINT TAX ON RECEIPT?', and press [CASH] key to enter.

Input number 1 or 0 to choose 'YES' or 'NO'.

11.13.5 Price Including Tax?

This is to set whether the price including tax.

Use key [] or [] to select the item 'PRICE INCLUDING TAX?', and press [CASH] key to enter.

Input number 1 or 0 to choose 'YES' or 'NO'.

11.13.6 Print Report in spite of Zero Tax?

This is to set whether report even if the tax amount is 0.

Use key [] or [] to select the item 'PRINT REPORT IN SPITE OF ZERO TAX?', and press [CASH] key to enter.

Input number 1 or 0 to choose 'YES' or 'NO'.

11.13.7 Printing Option

Item	Description
PRINT TERM TIME?	Whether print term time on report
PRINT VOID AMT?	Whether print void amount on report
PRINT ALLVOID AMT?	Whether print all void amount on report
PRINT RTN TOTAL?	Whether print return total on report
PRINT NOSALE COUNT?	Whether print no sale count on report
PRINT PROFIT AMT?	Whether print profit amount on report
PRINT TAXABLE SALE AMT?	Whether print taxable sale amount on report
PRINT SALES GRANDTOTAL?	Whether print sales grandtotal on report
PRINT TOTAL CASH?	Whether print total cash amount on report
PRINT TOTAL CREDIT?	Whether print total credit payment amount on report
PRINT TOTAL CARD?	Whether print total card payment amount on report
PRINT TOTAL OTHER?	Whether print total other amount on report
PRINT RETURN CASH?	Whether print return cash amount on report
PRINT RETURN CARD?	Whether print return card payment amount on report
PRINT RETURN OTHER?	Whether print return other amount on report
PRINT CLERK DAILY REPORT?	Whether print detail sales information of each login clerk on the clerk daily report
PRINT STOCK WHEN PRINT PLU REPORT?	Whether print stock when print PLU report
PRINT PLU INVENTORY REPORT WHEN CLEAR PLU REPORT?	Whether print PLU inventory report when clear PLU report

12 SETTING IN SET MODE

Attention:

- ✧ When error occurs, ERR X displayed. Please refer to chapter 14 for the error details.
- ✧ Please print Z daily report before entering SET mode.

Following items can be set in SET mode:

- ✧ BASIC SET
- ✧ CLERK OPERATION
- ✧ DISCOUNT SET
- ✧ PAYMENT
- ✧ SECURITY SET
- ✧ RECEIPT SET
- ✧ MEMBER SET
- ✧ OPTION OF CLEAR REPORT
- ✧ RECEIPT INQUIRE
- ✧ BARCODE SET
- ✧ OTHER

Press key [CLERK] to shift to SET mode, and then press [CASH]. Input the manager's number and password, and then press key [CASH] to enter. If you set the purview 'SET' for the clerk, there is no need to input the manager's number and password to enter SET mode.

12.1 Basic Set

12.1.1 Department Set

Department information can be downloaded from computer, and it can also be set through keyboard directly.

Note: if you only want to edit some items in 'DEPARTMENT SET', you can press [CASH] to skip the items you don't want to set.

1. Use key [] or [] to select 'BASIC SET' in 'SET' mode, then use key [] or [] to select 'DEPARTMENT SET' item in 'BASIC SET' mode, and press key [CASH] to enter this function.
2. After system prompts: <DEP NUM>, input department number which range from 1 to 99, and then press [CASH] to confirm.
3. System prompts: <DEP NAME>, input the department's name, and press [CASH] to confirm. (Please refer to chapter 8 for 'HOW TO INPUT CHARACTER'.)
4. After system prompts: <DEP PRICE>, input the department's price (0~9999999.99) and press key [CASH] to confirm.
5. After system prompts: <TAX MODES (0~8)>, input tax index, press [CASH]. You can set 2 taxes for each department at most.

For example, if you want to set tax 1 and tax 2 for DEP1 (the tax 2 is tax-on-tax), here you must input '12', and if you want to set only tax 1 for department, input '1' here. And we suppose that the price of DEP1 is \$100, the rate of tax 1 is 10%, and the rate of tax 2 is 5%, when you sell DEP1, its total price is counted as: $\$100 + \$100 * 10\% + \$100 * 10\% * 5\% = \110.5

Note: if you set 2 taxes for one department, the first tax index can't be 0.

6. After system prompts: <DEP DISCOUNT (- %) OFF>, set the discount rate, press [CASH] key to confirm.
7. System prompts: <DEP MEM. DISCOUNT (- %) OFF>, set the member discount rate, press key [CASH] to confirm.
8. System prompts: <COMMISSION (%)>, set the commission rate, press key [CASH] to confirm.
9. LCD displays: <IS ALLOW SUBTOTAL DISCOUNT? (0. ALLOW 1. NO ALLOW)>, it means whether allow discount after subtotal, input 0 for allow or 1 for no allow and press [CASH].
10. The system will print a ticket where displays the information of the department you just set.

12.1.2 PLU Set

PLU information can be downloaded from computer and it can also be set through keyboard directly. The steps are similar to department setting.

Note: If you only want to edit some items in 'PLU SET', you can press [CASH] to skip the items you don't want to set.

1. Use key [] or [] to select 'BASIC SET' in 'SET' mode, then use key [] or [] to select 'PLU SET' item in 'BASIC SET' mode, and press key [CASH] to enter this function.
2. After system prompts: <BARCODE>, input product code through keyboard or barcode scanner (less than 13 digits), and press key [CASH] key to confirm.
3. System prompts: <NAME>, input PLU name and press [CASH] key to confirm. (Please refer to chapter 8 for 'HOW TO INPUT CHARACTER'.)
4. System prompts: <MEMBER>, input PLU member which you want to modify or input the new PLU member, and then press [CASH] key to confirm.
5. System prompts: <MEMBER PRICE>, input PLU price which is for member card payment, and press key [CASH] to confirm.
6. System prompts: <PURCHASE PRICE>, input PLU purchase price and press key [CASH] to confirm.
7. System prompts: <TAX IDX (0~8)>, input tax index, press [CASH] key to confirm. (if you want to set no tax PLU, input number 0 here.)

You can set 2 types of tax (the second type is the tax-on-tax) for each PLU at most.

For example, if you want to set tax 1 and tax 2 for PLU1 (the tax 2 is tax-on-tax), here you must input '12', and if you want to set only tax 1 for PLU, input '1' here. And we suppose that the price of PLU1 is \$100, the rate of tax 1 is 10%, and the rate of tax 2 is 5%, when you sell PLU1, its total price is counted as: $\$100 + \$100 * 10\% + \$100 * 10\% * 5\% = \110.5

Note: if you set 2 types of tax for one PLU, the first tax index can't be 0.

8. System prompts: <ITEM CODE>, input PLU item code and press key [CASH] to confirm.
9. System prompts: <PLU TYPE (0: NORMAL 2: WEIGHT CARGO 3: OIL) 4: PCS TYPE>, input 0, 2, 3 or 4 to choose a type, press [CASH] key to confirm.
10. System prompts: <ALLOW MANUAL CHANGE PRICE (0: NO 1: YES)>, input 0 or 1. Press [CASH] key to confirm. (The default setting is YES.)
 - 0: not allow to change PLU price manually
 - 1: allow to change PLU price manually
11. System prompts: <ALLOW RTN (0: NO 1: YES)> input 0 or 1. Press [CASH].
 - 0: not allow PLU return;
 - 1: allow PLU return

12. System prompts: <DEP NUM>, input department No. PLU belongs to, and then press [CASH] to confirm.
13. System prompts: <STOCK>, input the PLU stock quantity, press [CASH] key to confirm.
14. The system will print a ticket where displays the information of the PLU you just set.

12.1.3 Delete PLU

Use key [] or [] to select 'BASIC SET' in 'SET' mode, then use key [] or [] to select 'DELETE PLU' item in 'BASIC SET' mode, and press key [CASH] to enter this function.

System prompts: <INPUT BARCODE TO DELETE>, input PLU barcode and press [CASH] key to confirm.

Input number 1 or 0 to select YES or NO.

Note: if you choose 'YES', the corresponding PLU data will be erased.

12.1.4 Clear All PLU Data

This is to set whether clear all PLU data in the cash register.

Use key [] or [] to select 'BASIC SET' in 'SET' mode, then use key [] or [] to select 'CLEAR ALL PLU DATA' item in 'BASIC SET' mode, and press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

Note: if you choose 'YES', all PLU data will be cleared.

12.1.5 PLU Stock

● Search PLU Stock

This function is used for searching PLU stock. Use key [] or [] to select 'BASIC SET' in 'SET' mode, then use key [] or [] to select 'PLU STOCK' item in 'BASIC SET' mode, then use key [] or [] to select 'SEARCH PLU STOCK' item, and press key [CASH] to enter this function.

System prompts: <PLU CODE>, input the PLU barcode, press [CASH] to confirm. The operator LCD will display the PLU name and stock.

Press key [CL/ESC] to exit.

● Add PLU Stock

This function is used for register the increase in stocks. Use key [] or [] to select 'ADD PLU STOCK' item in 'PLU STOCK', and press key [CASH] to enter this function.

System prompts: <INPUT VENDER NO.>, input the PLU vender number, press [CASH] key to confirm.

System prompts: <INPUT DC NO.>, input the PLU DC number, press [CASH] key.

System prompts: <BARCODE>, input the PLU barcode, press [CASH] key to confirm.

System prompts: <PURCHASE PRICE>, input the PLU purchase price, press [CASH] key.

System prompts: <PLU STOCK>, input the added stocks, press [CASH] key to confirm.

● Delete PLU Stock

This function is used to register the decrease in stocks. Use key [] or [] to select 'DEL PLU STOCK' item in 'PLU STOCK', and press key [CASH] to enter this function.

System prompts: <BARCODE>, input the PLU barcode, press [CASH] key to confirm.

System prompts: <PLU STOCK>, input the reduced stocks, press [CASH] key to confirm.

Note: after you finish the setting of ‘ADD PLU STOCK’ or ‘DEL PLU STOCK’, the machine will print a receipt to display the ultimate stockage.

● **Check Stock**

This function is used to check PLU stocks. Use key [] or [] to select ‘CHECK STOCK’ item in ‘PLU STOCK’, press key [CASH] to enter this function.

System prompts: <BARCODE>, input the PLU barcode, press [CASH] key to confirm.

System prompts: <STOCK>, input the actual stocks, press [CASH] to confirm, and the PLU stocks will change to the amount you inputted.

12.2 Clerk Operation

No.	Item	Description
1	NO SALES OPEN DRAWER?	Whether allow opening the drawer when there is no sales transaction?
2	LOGOUT EVEN IF THERE IS ORDER HELD?	Whether clerks are allowed to logout when there are still receipts being held?
3	CLEAR REP IF THERE IS ORDER HELD?	Whether allow printing Z reports when there are still receipts being held?
4	PRINT RECEIPT AFTER CHECK OUT?	Whether print the receipt after check-out? Note: If the setting is “YES”, the receipt will be printed only after settling accounts. If the setting is “NO”, the receipt will be printed with input info on it as long as doing sales operation, and finally the whole receipt will be printed after settling accounts.
5	INPUT AMOUNT BEFORE PAYMENT?	Whether force to input amount before paying?
6	INPUT PROMOTER ID?	Whether need to input promoter ID number when selling PLU?
7	MANUAL CHANGE PRICE?	Whether allow changing PLU price manually when selling PLU? Please check chapter 9.5 for reference..
8	ALLOW NEGATIVE STOCK?	Whether allow selling PLU when the stock is negative?
9	ALLOW ZERO PRICE SALE?	Whether allow selling PLU with a zero price?
10	MANUAL INPUT QTY?	Whether allow inputting quantity manually?
11	PRINT QTY ON TOTAL PRICE LABEL?	Whether print the total quantity on the receipt?
12	PRN QTY & PRICE ON TOTAL PRICE LABEL?	Whether print the total quantity and price on the receipt?
13	CLERK LOGOUT AFTER CHECK OUT?	Whether the clerk logout automatically after settling accounts? Note: It will be invalid if the item ‘LOGOUT EVEN IF THERE IS ORDER HELD?’ is set “NO”.
14	PROMOTER WORK ON COMMISSION?	Whether promoters work on commission?
15	SUMMARY QYT FOR THE SAME PLU SALES?	Whether print summary quantity when selling several same PLU? Please check chapter 9.5 for reference.

12.3 Discount Set

12.3.1 Surcharge Rate

Use [↑] or [↓] key to select 'SURCHARGE RATE' item, and then press [CASH] to enter this function.

After the system prompts: <SURCHARGE RATE (00.00~99.99)>, input the surcharge rate, and then press [CASH] key to confirm.

For example, set surcharge rate 20.15%:

Input [2][0][.][1][5][CASH]

12.3.2 Discount Rate

Use [↑] or [↓] key to select 'DISCOUNT RATE' item, and then press [CASH] to enter this function.

After the system prompts: <DISCOUNT RATE (00.00~99.99)>, input the discount rate, and then press [CASH] key to confirm.

For example, set discount rate 10%:

Input [1][0][CASH]

12.3.3 PLU Manual Discount?

This function is used to set whether allow selling PLU at discount by hand.

Use key [↑] or [↓] to select 'PLU MANUAL DISCOUNT?' item, and then press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.3.4 Subtotal Discount?

In this function, you can choose whether allow selling PLU at a discount after giving a subtotal.

Use key [↑] or [↓] to select 'SUBTOTAL DISCOUNT?' item, and then press [CASH] key to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.3.5 Sale after SUBT Discount?

In this function, you can choose whether allow selling PLU after subtotal discount.

Use key [↑] or [↓] to select 'SALE AFTER SUBT DISCOUNT?' item, and then press [CASH] key to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

Note: Set the item 'DISCOUNT SET/SUBTOTAL DISCOUNT?' 'YES' in SET mode, and set the item 'CLERK OPERATION/PRINT RECEIPT AFTER CHECK OUT?' 'NO' in SET mode, then you can set this item.

12.3.6 Even PLU Discount?

In this function, you can set whether show PLU discount by uploading transaction details to PC software after subtotal discount.

Use key [↑] or [↓] to select 'EVEN PLU DISCOUNT?' item, and then press [CASH] to enter.

Input number 1 or 0 to select 'YES' or 'NO'.

Note: Set the item 'DISCOUNT SET/SUBTOTAL DISCOUNT?' 'YES' in SET mode, and set the item 'CLERK OPERATION/PRINT RECEIPT AFTER CHECK OUT?' 'NO' in SET mode, then you can set this item.

12.4 Payment

12.4.1 Payment

Use key [] or [] to select 'PAYMENT' item in SET mode, press key [CASH] to enter this function.

System prompts: <PAYMENT IDX>, input the digit range from 1 to 20, then press [CASH] key to confirm.

System prompts: <PAYMENT>, input the payment name (please refer to chapter 8 for 'HOW TO INPUT CHARACTER'), such as member card payment, it will print on the receipt. Press [CASH] key to confirm. (The first three payment name is default: EFTPOS, VISA and MASTERCARD, you can change them.)

Use key [] or [] to select CREDIT, TICKET PAY, CASH or CHECK.

System prompts: <ROUND (0: ROUND 1: NOT ROUND)>, input number 0 or 1 to set the payment method of giving changes, press [CASH] key to confirm.

System prompts: <ALLOW CHANGE (0.NO 1.CASH 2.CHANGE LITTLE)>, input corresponding number to set the payment method of giving changes, press [CASH] key to confirm.

0: don't give changes

1: give changes in cash

2: give changes by voucher or some tickets like this.

12.4.2 Cash Out When Card Payment?

This function is to choose whether allow give changes when card payment.

Use key [] or [] to select 'CASH OUT WHEN CARD PAYMENT?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.4.3 Only Allow Cash Payment In Returning?

This function is to choose whether only allow cash payment in returning.

Use key [] or [] to select 'ONLY ALLOW CASH PAYMENT IN RETURNING?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.4.4 Use Voucher/Limited Payment?

This function is to choose whether to use voucher/limited payment.

Use key [] or [] to select 'USE VOUCHER/LIMITED PAYMENT?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.4.5 Normal Sale Allow Cash Payments?

This function is to choose whether allow cash payment during normal sales operation.

Use key [] or [] to select 'NORMAL SALE ALLOW CASH PAYMENTS?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.5 Security Set

12.5.1 Manager and Password Set

● Change Super PSW

Super password is the highest password. It can replace all passwords that are used in this machine. So, we suggest that you should keep the password in the super manager.

Use [↑] or [↓] to select 'CHANGE SUPER PSW', press [CASH]. Do as the LCD prompts.

Note: the default super password is 00000000, we suggest you change it as soon as possible.

12.5.2 All Void Need PSW?

This function is to set whether need to input the password while doing items all void operation.

Use key [↑] or [↓] to select 'ALL VOID NEED PSW?' item, and then press [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.5.3 E/C Need PSW?

This function is to set whether need to input the password while doing E/C operation.

Use key [↑] or [↓] to select 'E/C NEED PSW?' item, and then press [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.5.4 Hold Need PSW?

This function is to set whether need to input the password while doing holding bills operation.

Use key [↑] or [↓] to select 'HOLD NEED PSW?' item, and then press [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.5.5 Void Need PSW?

This function is to set whether need to input the password while doing item void operation.

Use key [↑] or [↓] to select 'VOID NEED PSW?' item, and then press [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.5.6 Quick Set Need PSW?

This function is to set whether need to input the password while using the function of quickly setting PLU, department and hotkey.

Use key [↑] or [↓] to select the item 'QUICK SET NEED PSW?', and then press [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.5.7 Input Password When Open Drawer?

This function is to set whether need to input the password while opening drawer.

Use key [↑] or [↓] to select the item 'INPUT PASSWORD WHEN OPEN DRAWER?', and then press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.5.8 Allow Clerk Open Drawer?

This function is to set whether allow clerks to open the cash drawer.

Use key [↑] or [↓] to select the item 'ALLOW CLERK OPEN DRAWER?', and then press key [CASH] to enter.

Input number 1 or 0 to select 'YES' or 'NO'.

12.6 Receipt Set

12.6.1 Print Head Logo?

This function is to choose whether print head logo on receipt.

Use key [↑] or [↓] to select 'PRINT HEAD LOGO?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.6.2 Print Tail Logo?

This function is to choose whether print tail logo on receipt.

Use key [↑] or [↓] to select 'PRINT TAIL LOGO?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.6.3 Set Head Message

Setting head message is mainly used to edit the header message of the receipt.

Use key [↑] or [↓] to select the item 'SET HEAD MESSAGE', and press key [CASH] to enter this function.

After the system hints to <HEAD MESSAGE INDEX (1~5)> info, input the line number that needs modifying.

System prompts: <HEAD MESSAGE>, input the message, and press [CASH] key to confirm. (Please refer to chapter 8 for 'HOW TO INPUT CHARACTER'.)

12.6.4 Set Tail Message

Setting tail message is mainly used to edit the footer message of the receipt.

Use key [↑] or [↓] to select 'SET TAIL MESSAGE' item, press key [CASH] to enter this function.

After the system prompts <TAIL MESSAGE INDEX (1~2)> info, input the line number that needs modifying.

System prompts: <TAIL MESSAGE>, input the message, and press [CASH] key to confirm. (Please refer to chapter 8 for 'HOW TO INPUT CHARACTER'.)

12.6.5 Print Head and Tail Message?

This function is to choose whether print head and tail message on receipt.

Use key [↑] or [↓] to select 'PRINT HEAD AND TAIL MESSAGE?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

Note: If both the item 'PRINT HEAD LOGO?' and 'PRINT TAIL LOGO?' are set to 'NO', then whether you set this item to 'YES' or 'NO', the message will be printed.

12.6.6 Enlarge Head and Tail Message?

This function is to choose whether enlarge head and tail message.

Use key [↑] or [↓] to select 'ENLARGE HEAD AND TAIL MESSAGE?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.6.7 Lengthen Multiple for Printing Font

This function is to set the font size.

Use key [↑] or [↓] to select 'LENGTHEN MULTIPLE FOR PRINTING FONT' item, press key [CASH] to enter this function.

After system prompts: , input a digit which range from 0 to 4. '0' represents the smallest font, and '4' represents the largest font.

Press [CASH] key to confirm your setting.

12.6.8 Set Elongate Times of Time Printing In Receipt

Here you can set the date and time's size, which is printed on the receipt.

Use key [↑] or [↓] to select 'SET ELONGATE TIMES OF TIME PRINTING IN RECEIPT' item, press [CASH] key to enter.

System prompts: <INPUT DATE-TIME HEIGHT (0~4)>, 0 is the smallest size, and 4 is the largest size. Input the size number, which is range from 0 to 4, and press key [CASH] to confirm.

12.6.9 Set Receipt Format

This function is to set the receipt format. There are five columns on the receipt: name, discount, price, quantity and amount. Set each column width here. The total width cannot be more than 29 characters.

Use key [↑] or [↓] to select 'SET RECEIPT FORMAT' item, and then press key [CASH] to enter.

System prompts: <Input Name Width (4)>, input the name column width not less than 4, and then press [CASH] key to confirm. The default setting is 4.

System prompts: <Input Discount Width (6)>, input the discount column width not less than 4, and then press [CASH] key to confirm. The default setting is 6.

System prompts: <Input Price Width (7)>, input the price column width not less than 4, and then press [CASH] key to confirm. The default setting is 7.

System prompts: <Input Qty Width (6)>, input the quantity column width not less than 4, and then press [CASH] key to confirm. The default setting is 6.

System prompts: <Input Amt Width (6)>, input the sum amount column width not less than 4, and then press [CASH] key to confirm. The default setting is 6.

Note: The total width of these 5 columns cannot be more than 29 characters.

12.6.10 Print Serial Number on Receipt?

This function is to choose whether print serial number on the receipt.

Use key [↑] or [↓] to select "PRINT SERIAL NUMBER ON RECEIPT?" item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.6.11 Print Receipt Number on Receipt?

This function is to choose whether print receipt number on the receipt.

Use key [↑] or [↓] to select 'PRINT RECEIPT NUMBER ON RECEIPT?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.6.12 Print Date on Receipt?

This function is to choose whether print date on receipt.

Use key [↑] or [↓] to select 'PRINT DATE ON RECEIPT?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.6.13 Print Time on Receipt?

This function is to choose whether print time on receipt.

Use key [↑] or [↓] to select 'PRINT TIME ON RECEIPT?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.6.14 Reprint Receipt by [CASH] Key?

This function is to choose whether allow re-print the last receipt by press [CASH] key.

Use key [↑] or [↓] to select 'REPRINT RECEIPT BY [CASH] KEY?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

Note:

- 1. The copy receipt is not non-sale receipt, so whether set the item 'RECEIPT SET/PRINT NON-SALE RECEIPT?' to 'YES' won't affect this function.**
- 2. If you set this item YES, you may set the copy times. (Refer to chapter 12.6.15)**
- 3. You can reprint receipt even if the clerk logs out.**

12.6.15 Set Copy Receipt Times

This function is to set the allowable copy times of one receipt.

Use key [↑] and [↓] to select the item 'SET COPY RECEIPT TIMES', and press [CASH] key to enter.

After enter this function, the system will prompt: <SET COPY RECEIPT TIMES (1~99)>, input one number range from 1 to 99, and press [CASH] to save your setting.

12.6.16 Copy Receipt Even if the QTY is 0?

This function is to choose whether allow copy receipt even if the quantity is 0.

Use key [↑] and [↓] to select the item 'COPY RECEIPT EVEN IF THE QTY IS 0?', and press [CASH] key to enter.

Input number 1 or 0 to select 'YES' or 'NO'.

12.6.17 Only Reprint Header and Totalizer?

This function is to choose whether only reprint header and totalizer on copy receipt.

Use key [↑] and [↓] to select the item 'ONLY REPRINT HEADER AND TOTALIZER?', and press [CASH] key to enter.

Input number 1 or 0 to select 'YES' or 'NO'.

12.6.18 Print Sale Receipt?

This function is to choose whether open sales receipt printing.

Use key [↑] or [↓] to select 'PRINT SALE RECEIPT?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.6.19 Print Non-Sale Receipt?

This function is to choose whether open non-sale receipt printing.

Use key [↑] or [↓] to select 'PRINT NON-SALE RECEIPT?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.6.20 Print Report?

This function is to choose whether open reports printing.

Use key [↑] or [↓] to select 'PRINT REPORT?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.6.21 Print Barcode?

This function is to choose whether print barcode number.

Use key [↑] or [↓] to select 'PRINT BARCODE?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.6.22 Print Density

This machine supports density class 1 to 9. '1' is the lightest but the fastest one of all, and '9' is just the opposite.

(Note: higher density will cause more damage to the printer, so, we suggest that you use the paper of good quality, and choose the lower density class.)

Use key [↑] or [↓] to select "PRINT DENSITY" item, press [CASH] to enter this function.

System prompts: <PRINT DENSITY (1~9)>, type-in one digit, which is within the scope, and press [CASH] key to confirm.

12.6.23 Print Invoice No. on Receipt?

This function is to choose whether print the invoice number on sales receipt. The format of invoice number is 'XXX + MC NO (8-digit) + DATE (6-digit) + RECEIPT NO (4-digit)'. 'XXX' is the invoice code, you can set it in the item 'SET INVOICE' (refer to chapter 12.6.26); 'MC NO' is the 8-digit machine number, you can choose whether print it in invoice number (refer to chapter 12.6.24); 'DATE' is the 6-digit number which indicates the date, month and year, you can choose whether print it in invoice number (refer to chapter 12.6.27); 'RECEIPT NO' is the 4-digit receipt number, you can choose whether print it in invoice number (refer to chapter 12.6.25).

Use key [↑] or [↓] to select the item 'PRINT INVOICE NO. ON RECEIPT?', and press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.6.24 Print MC on Invoice?

This function is to choose whether print machine number in invoice number.

Use key [↑] or [↓] to select 'PRINT MC ON INVOICE?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.6.25 Print Receipt No on Invoice?

This function is to choose whether print receipt number in invoice number.

Use key [↑] or [↓] to select 'PRINT RECEIPT NO ON INVOICE?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

Note: if you set this item to 'YES', and set the item 'PRINT INVOICE NO ON RECEIPT?' to 'YES', then the receipt number won't be separately printed on the receipt again.

12.6.26 Set Invoice

This function is to set the content of the first three digits in invoice number.

Use key [↑] or [↓] to select 'SET INVOICE' item, press key [CASH] to enter this function.

System prompts: <INPUT INVOICE NO.>, input the 3-digits invoice code (can be letter or number, please refer to chapter 8 for 'HOW TO INPUT CHARACTER'), and then press [CASH] key to confirm.

12.6.27 Print Date on Invoice?

This function is to choose whether print date information in invoice number.

Use key [↑] or [↓] to select 'PRINT DATE ON INVOICE' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.6.28 Print Define Store Machine No.?

This function is to set whether print the user-defined machine number on the receipt. You can refer to chapter 11.3 for 'MACHINE NO. PROGRAM'.

Use key [↑] or [↓] to select 'PRINT DEFINE STORE MACHINE NO.(SMC)?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.6.29 Print the all void item in the receipt?

This function is to set whether print all void items in the receipt when settle the account.

Use key [↑] or [↓] to select 'PRINT THE ALL VOID ITEM IN THE RECEIPT?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.6.30 Print Totals Qty on Receipt?

This function is to set whether print the total quantity of the items that sold on the receipt.

Use key [↑] or [↓] to select 'PRINT TOTALS QTY ON RECEIPT?' item, and then press key [CASH] to enter.

Input number 1 or 0 to select 'YES' or 'NO'. If it is set YES, the total quantity will be printed on the same line of the total sum on the receipt.

12.7 Member Set

12.7.1 Member Card Format

Generally, the member card has a fixed format. You need to set the fixed digits as a format. When customers use member card payment, system will identify the validity of the member card according to the member card format. E.g. Set 360003169 as the member card format. A card whose id is 360003169***** can be identified as a valid member card. It can prevent using wrong or phony member cards when selling.

Use key [↑] or [↓] to select "MEMBER CARD FORMAT" item, press [CASH].

After system prompts: <INPUT MEMBER CARD FORMAT>, input the fixed member card format. Press key [CASH] to save your setting.

12.7.2 Manual Input Member Card NO.?

This function is to choose whether allow input member card number manually.

Use key [↑] or [↓] to select 'MANUAL INPUT MEMBER CARD NO.?' item, press key [CASH] to enter this function.

Input number 1 or 0 to select 'YES' or 'NO'.

12.8 Option of Clear Report

Use key [↑] or [↓] to choose an option of clear report, then press key [CASH] to enter. Input number 1 or 0 to select 'YES' or 'NO'.

No.	Item	Description
1	FORCE CLEAR Z DAILY REPORT EVERYDAY?	Whether force to clear Z daily report every day?
2	FORCE TO CLEAR MONTHLY REPORT EVERY MONTH?	Whether force to clear monthly report every month?
3	PRN TIME REP WHEN CLEAR DAILY REP?	Whether print time report when clear daily report?
4	CLEAR DAILY REP & TIME REP?	Whether clear time report when clear daily report?
5	PRN DEP REP WHEN CLEAR DAILY REP?	Whether print department report when clear daily report?
6	CLEAR DAILY REP & DEP REP?	Whether clear department report when clear daily report?

No.	Item	Description
7	PRN PLU REP WHEN CLEAR DAILY REP?	Whether print PLU report when clear daily report?
8	CLEAR DAILY REP & PLU REP?	Whether clear PLU report when clear daily report?
9	PRN PLU RTN REP WHEN CLEAR DAILY REP?	Whether print PLU return report when clear daily report?
10	CLEAR DAILY REP & PLU RTN REP?	Whether clear PLU return report when clear daily report?
11	CLEAR DAILY REP & SALES GRANDTOTAL?	Whether clear sales grand total when clear daily report?
12	RESET RECEIPT NO WHEN CLEAR DAILY REP?	Whether reset receipt number when clear daily report?
13	RESET Z1 COUNT WHEN CLEAR DAILY REP?	Whether reset Z1 count number when clear daily report?

12.9 Receipt Inquire

Note: The receipt you inquire is not non-sale receipt, so whether set the item ‘RECEIPT SET/PRINT NON-SALE RECEIPT?’ to ‘YES’ won’t affect this function below.

12.9.1 Print PLU List

This function is to print PLU information.

Use [↑] or [↓] to select ‘PRINT PLU LIST’, press [CASH] key to enter.

System prompts: <PLU SERIAL (XXXX XXXX)>, input the 4-digit start PLU serial number and the 4-digit end PLU serial number, then press [CASH] key to print PLU data. (**For example**, print the data of No.1~60 PLU, here input 00010060 [CASH].)

If you press [CASH] key directly without inputting serial number, it will print all PLU data. Press [FEED] key to stop printing.

12.10 Barcode Set

12.10.1 13 Code Type

This cash register supports 13 digits EAN-13 code and 8 digits EAN-8 code. For EAN-13 code, when the first digit of barcode is 2, it is defaulted as inner barcode. Generally, the last digits used for checksum. Ten types inner barcode starting with 20~29 can be selected from 55 types of barcode.

Use key [↑] or [↓] to select ‘13 CODE TYPE’ item, and press key [CASH] to enter.

After system prompts: <FIRST 2 CODE>, input 2 digits starting code, press [CASH] key to confirm. The first digit must be 2.

After system prompts: <BARCODE TYPE (0~55)>, input barcode type, press [CASH] key to save the setting.

12.10.2 13 Code as Goods Number?

Use key [↑] or [↓] to select the item '13 CODE AS GOODS NUMBER?', and press [CASH] key to enter.

Input number 1 or 0 to select 'YES' or 'NO'.

Note: print Z daily report first, and then you can see this item.

12.10.3 Need to Verify EAN-13 Checksum?

This is to set whether need to verify EAN-13 checksum.

Use key [↑] or [↓] to select the item 'NEED TO VERIFY EAN-13 CHECKSUM?', and press [CASH] key to enter.

Input number 1 or 0 to select 'YES' or 'NO'.

12.11 Other

12.11.1 Set Rounding Table

Use key [↑] or [↓] to select 'SET ROUNDING TABLE' item, press key [CASH] to enter this function.

System prompts: <ROUND FLAG(0~2)>, input the number between 0~2, and press [CASH].

System prompts: <INPUT ROUND TABLE NO. (0-5)>, input the number between 0~5, and press [CASH].

	0	1	2	3	4	5	6	7	8	9	Original numbers
0	0	1	2	3	4	5	6	7	8	9	Rounded numbers if you input 0
1	0	0	0	5	5	5	5	5	10	10	Rounded numbers if you input 1
2	0	5	5	5	5	5	10	10	10	10	Rounded numbers if you input 2
3	0	0	0	0	0	10	10	10	10	10	Rounded numbers if you input 3
4	0	10	10	10	10	10	10	10	10	10	Rounded numbers if you input 4
5	0	0	0	0	0	5	5	5	5	5	Rounded numbers if you input 5

12.11.2 AC Loss Alarm?

This function is to set whether give an alarm when AC loss. This function is only for the model with battery.

Use key [↑] or [↓] to select the item 'AC LOSS ALARM?', and then press [CASH] key to enter.

Input number 1 or 0 to select 'YES' or 'NO'.

12.11.3 Petrol Station Function

Use key [↑] or [↓] to select the item 'PETROL STATION FUNCTION', and press [CASH] key to enter.

System prompts: <INPUT PETROL COUPON AMOUNT>, input the petrol coupon amount, and then press [CASH] key to confirm.

E.g.: set the petrol coupon amount as Rs.10

Press [1][0][CASH]

Note: when you sell PLU whose type is set as 'OIL', if the PLU price is higher than the petrol coupon amount you set in this function, the LCD will prompt you to input customer's name and vehicle number.

12.11.4 Set Message

Use key [↑] or [↓] to select the item 'SET MESSAGE', and press [CASH] key to enter.

System prompts: <MESSAGE 1>, input the customer's name (the default setting is "CUSTOMER"), and then press [CASH] key to confirm.

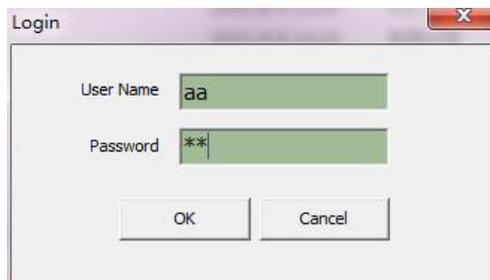
System prompts: <MESSAGE 2>, input the customer's vehicle number (the default setting is "VEHICLE#"), and then press [CASH] key to confirm.

13 SOFTWARE DESCRIPTION

The cash register supports PLU edit and reports upload by computer. Copy the software from disk, which attached to the machine, then execute the file 'India_CRD.exe'.

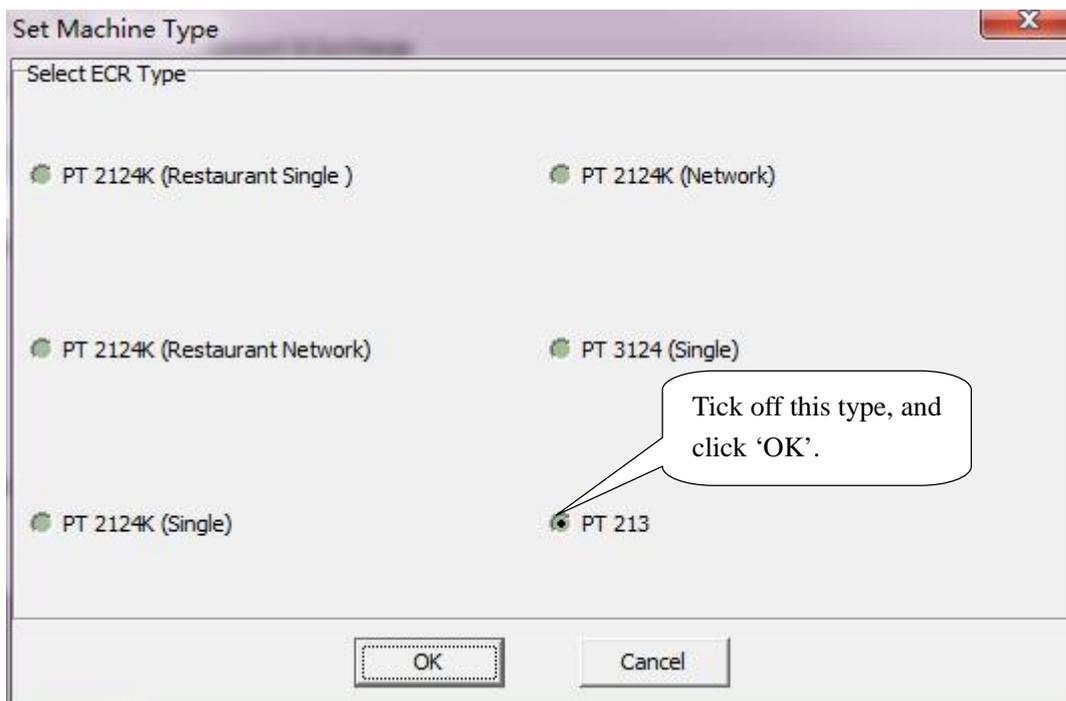
You need to login the system by manager status at the first time.

When you double click the symbol  India_CRD.exe , pop-up a window:



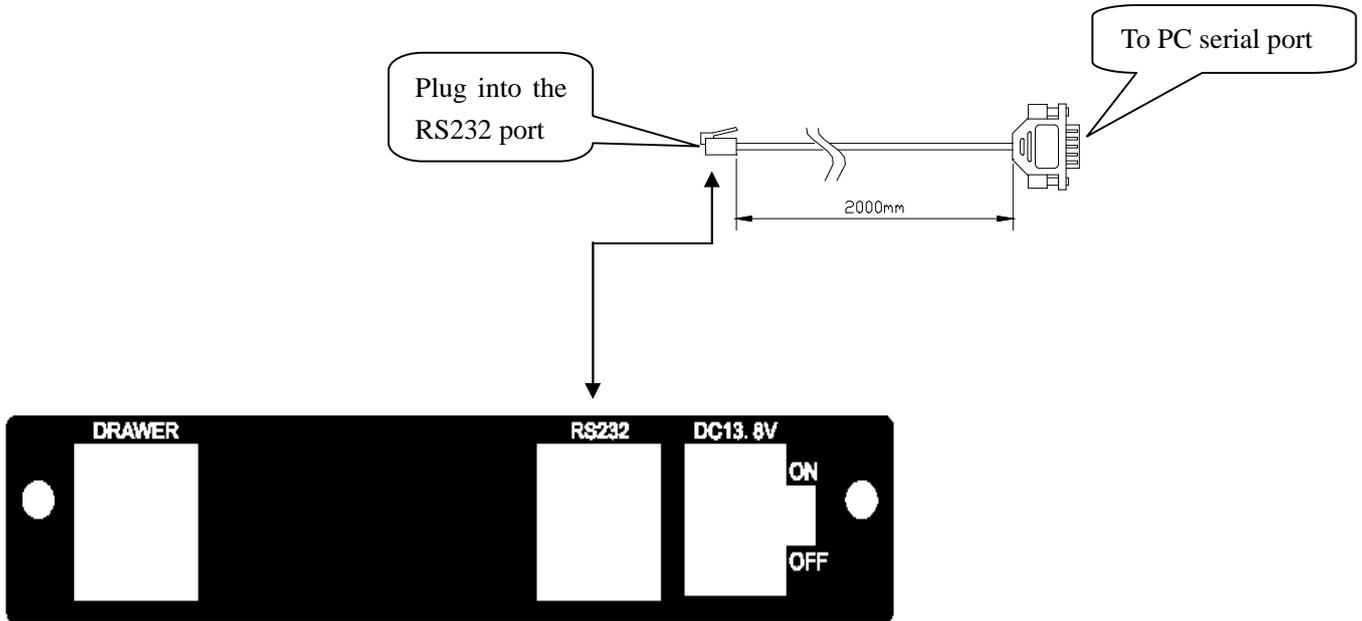
The user name and password are 'aa'. You'd better change them as soon as you use the system, for the system manager can change the operator's password and add or delete operator.

Before you use this software, you need to choose machine type, which you used. Click 'System/Set Machine Type'; choose a type you used from below table. Choose PT 213 for reference.



13.1 Communication Setting

13.1.1 Link CRBX to PC



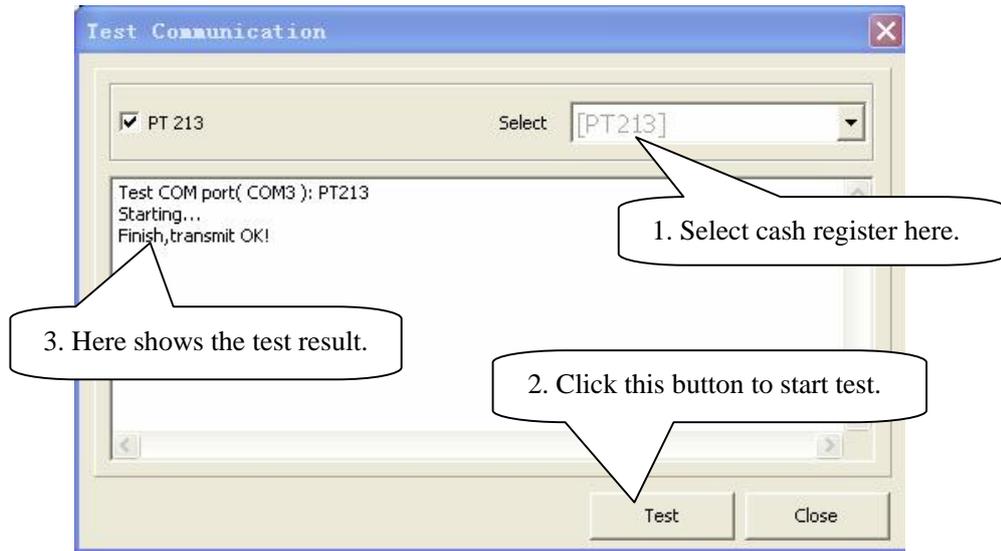
13.1.2 Port Setting

Click 'System/Port Setting' to enter following interface:

At 'Edit' mode, the data in cash register can be appended, deleted or modified.

13.1.3 Test Communication

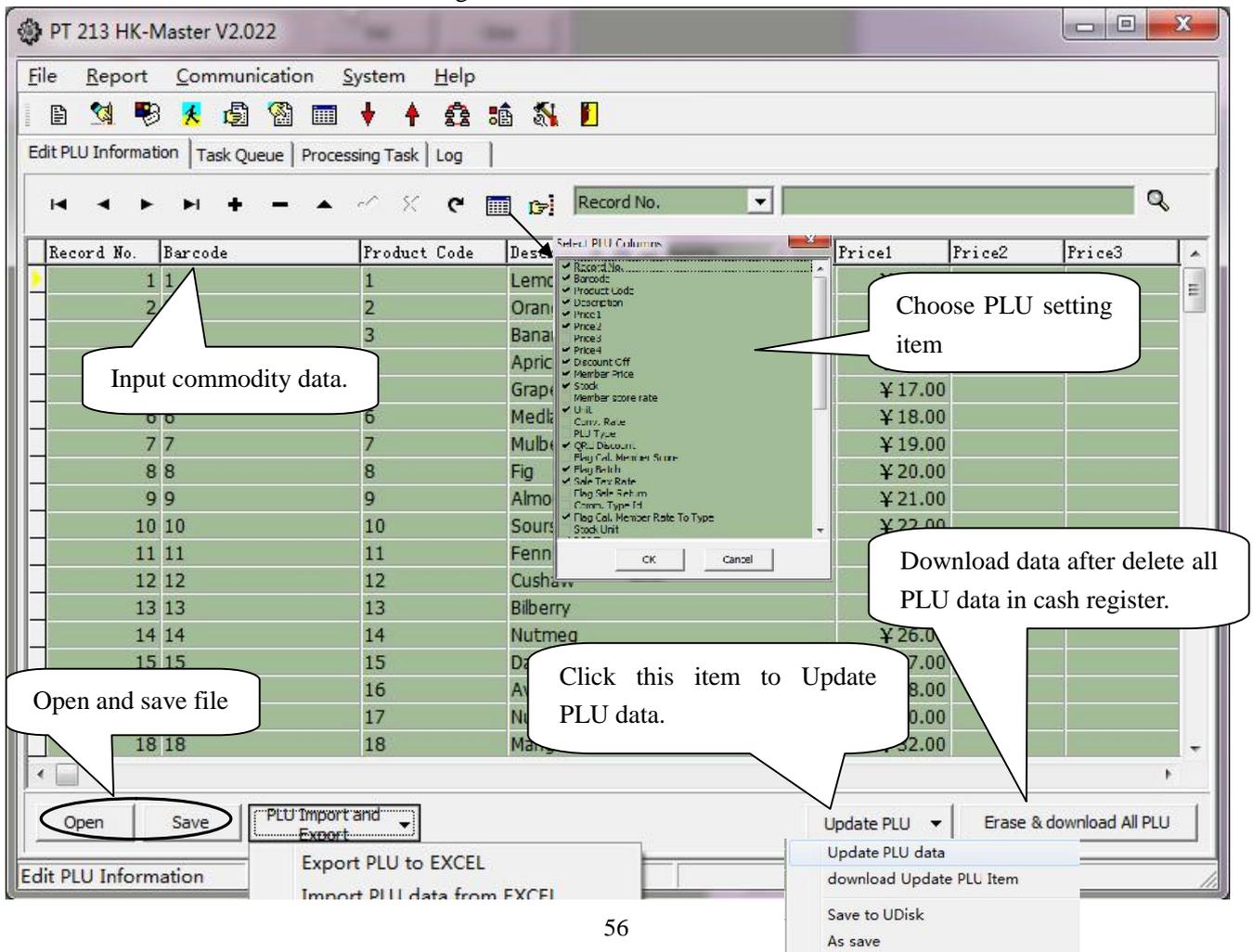
Click 'Communication/Test Communication' to enter the following interface:



13.2 File Column

13.2.1 PLU Edit

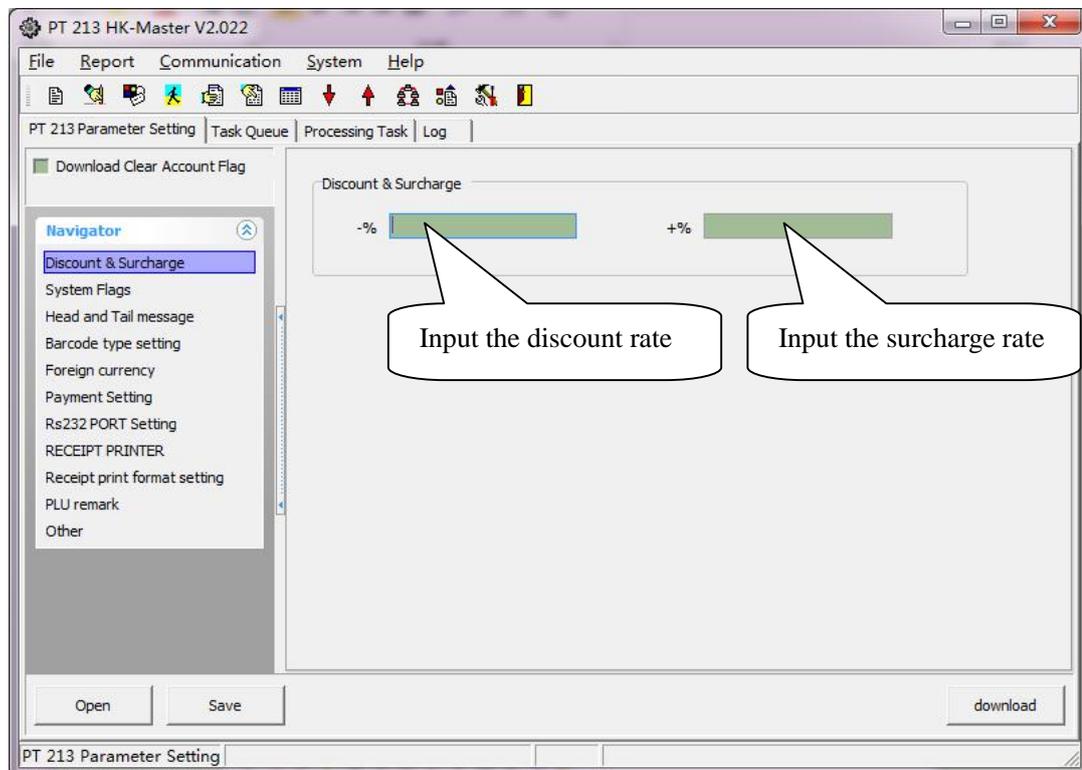
Click 'File/PLU Set' to enter the following window:



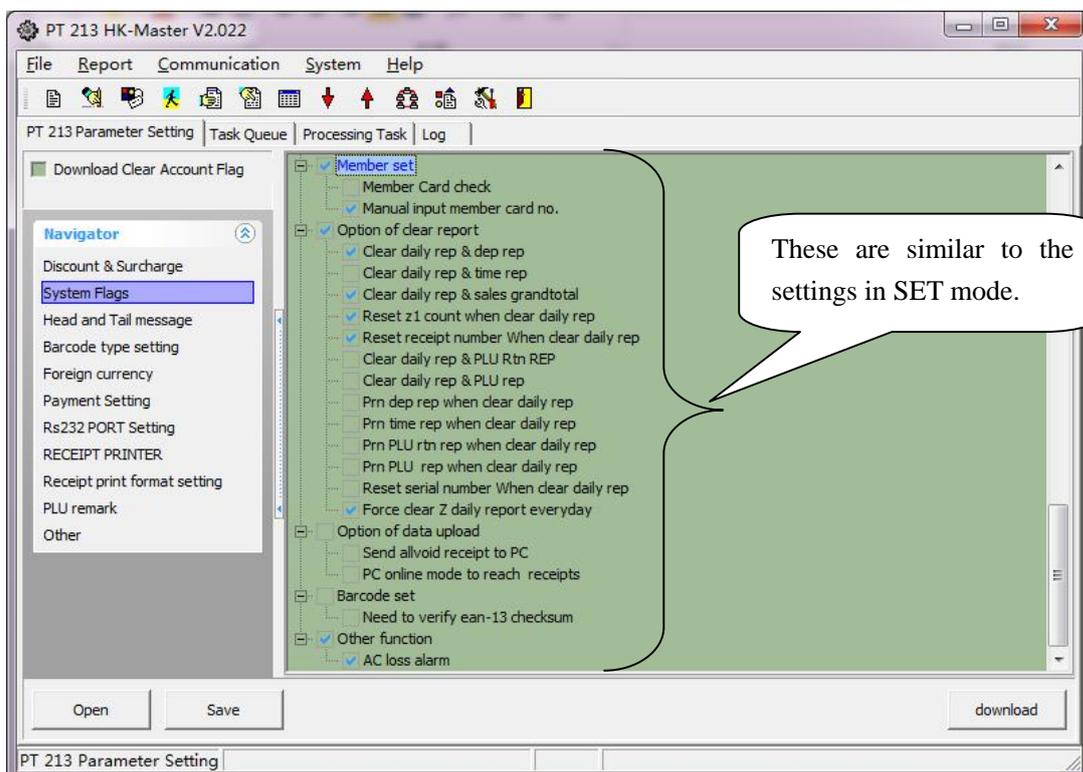
13.2.2 Parameter Setting

Click 'File/ Parameter Setting' to enter following interface:

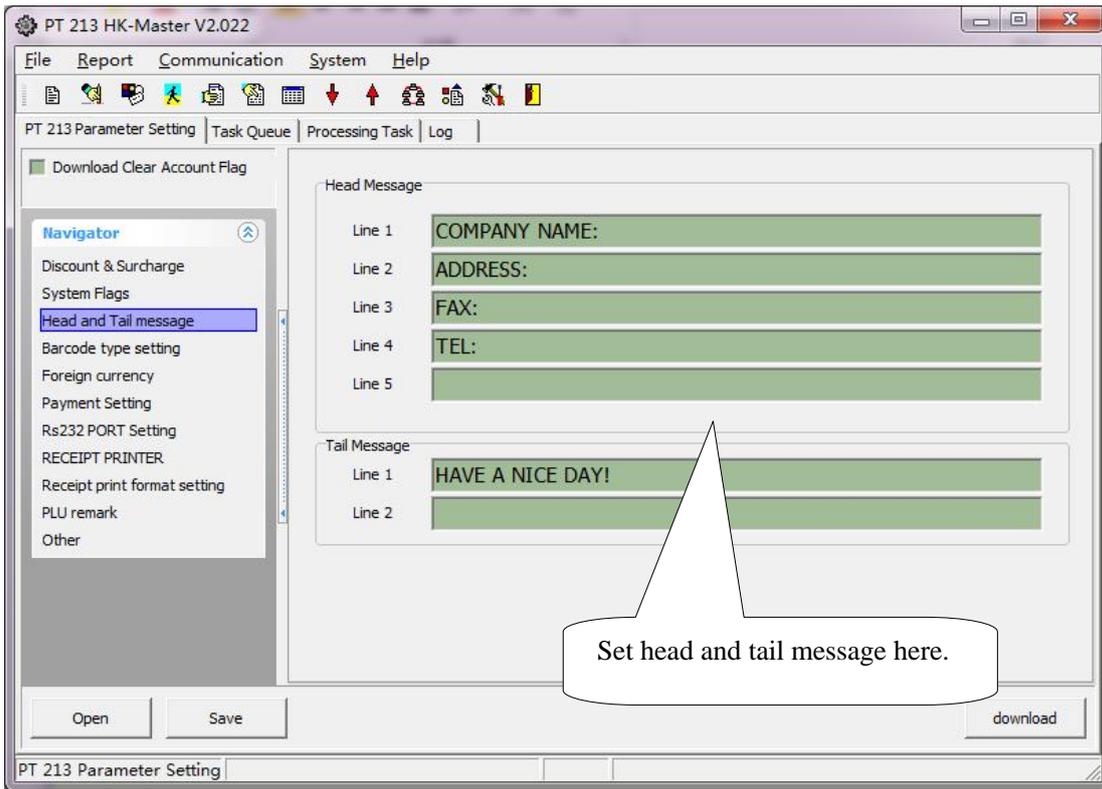
1. Discount & Surcharge set



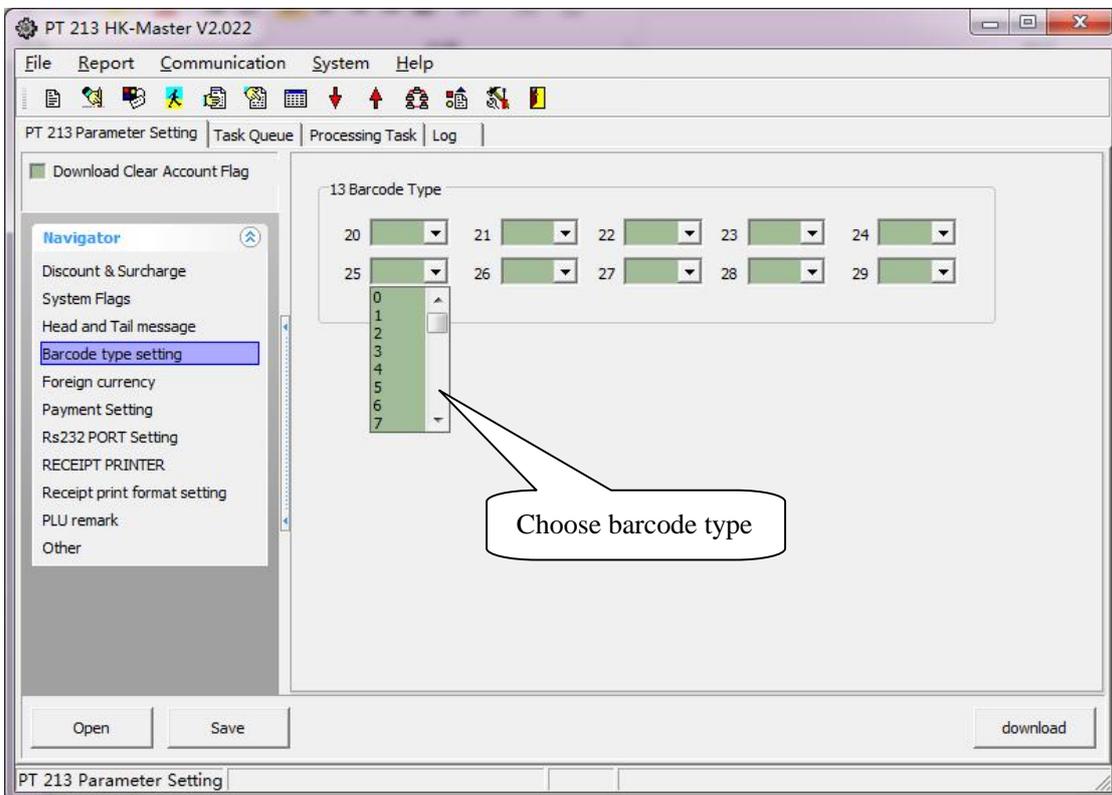
2. System Flags



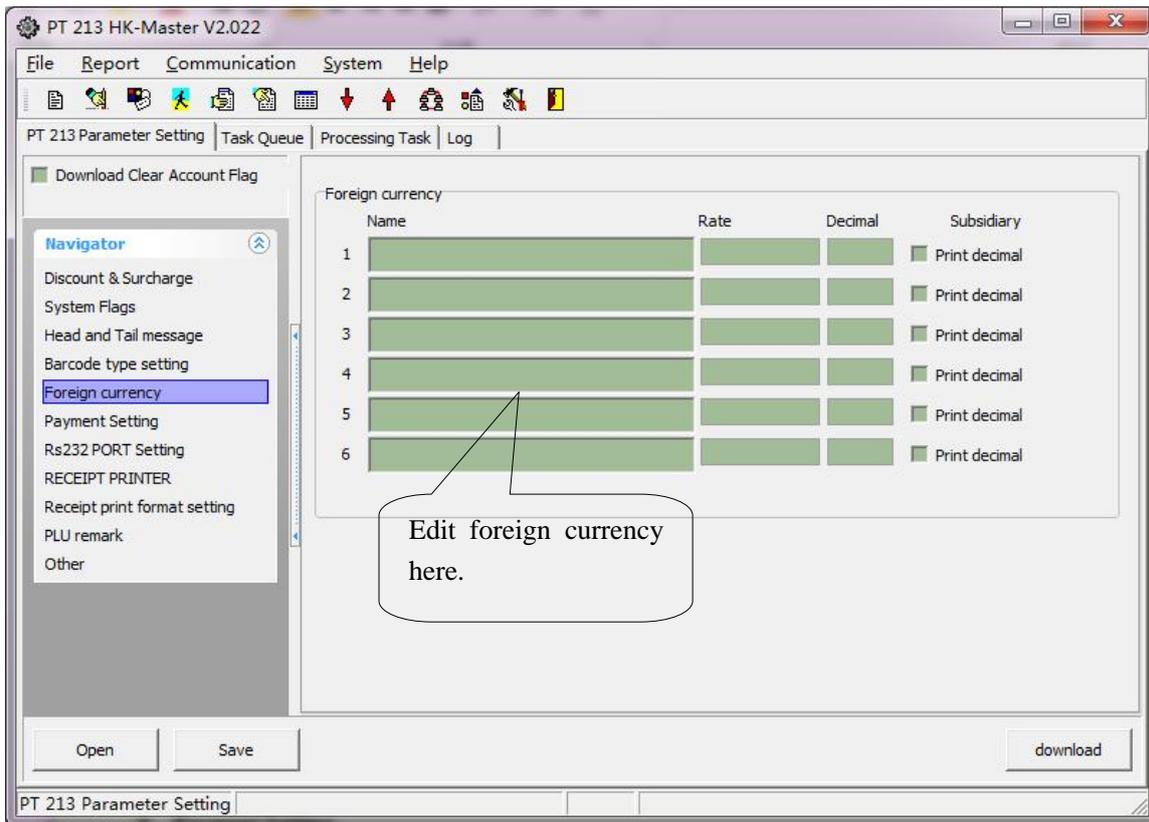
3. Head and Tail message



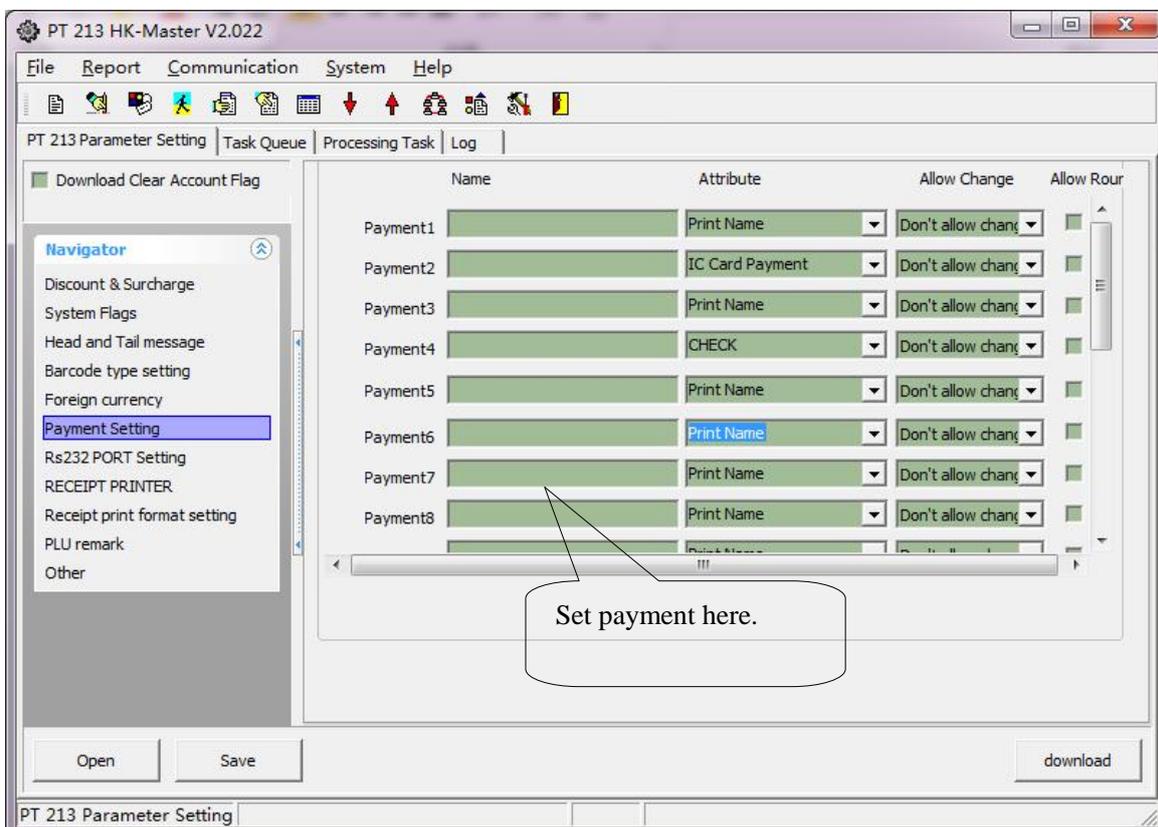
4. Barcode type setting



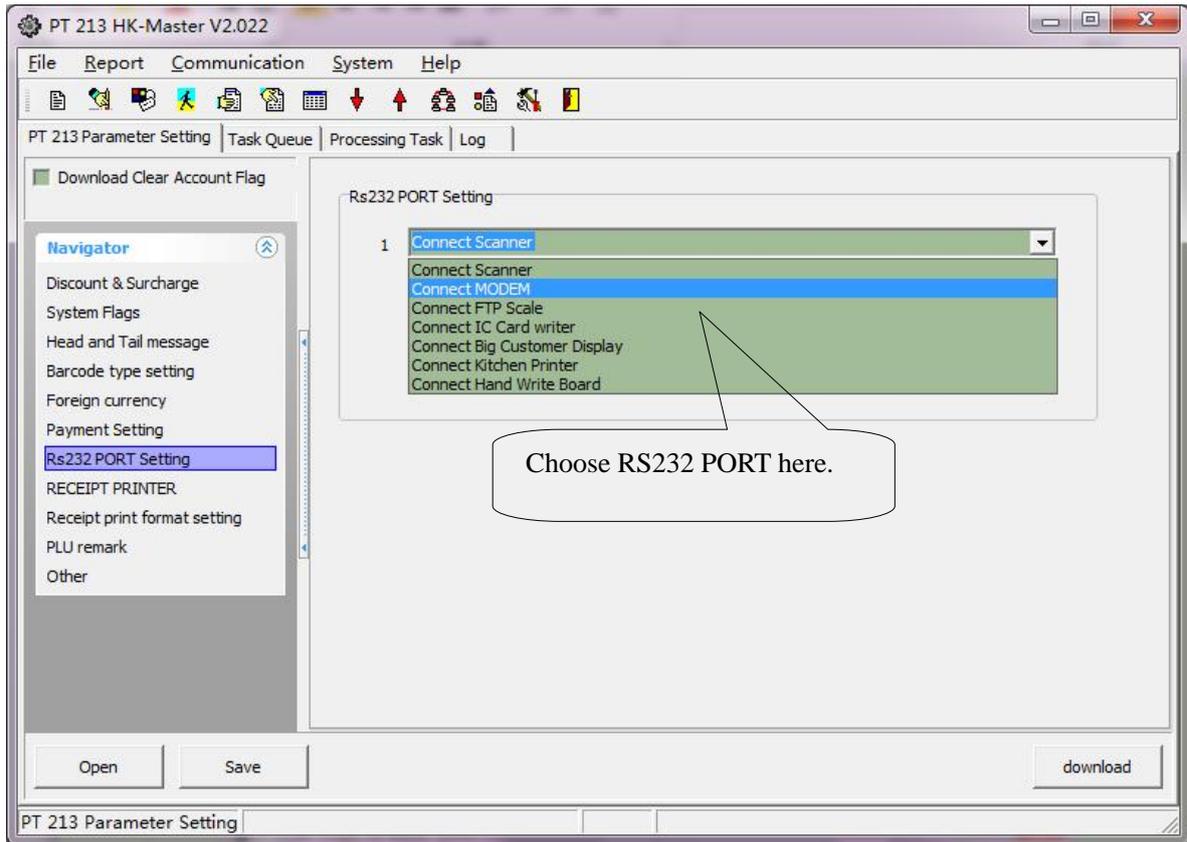
5. Foreign Currency



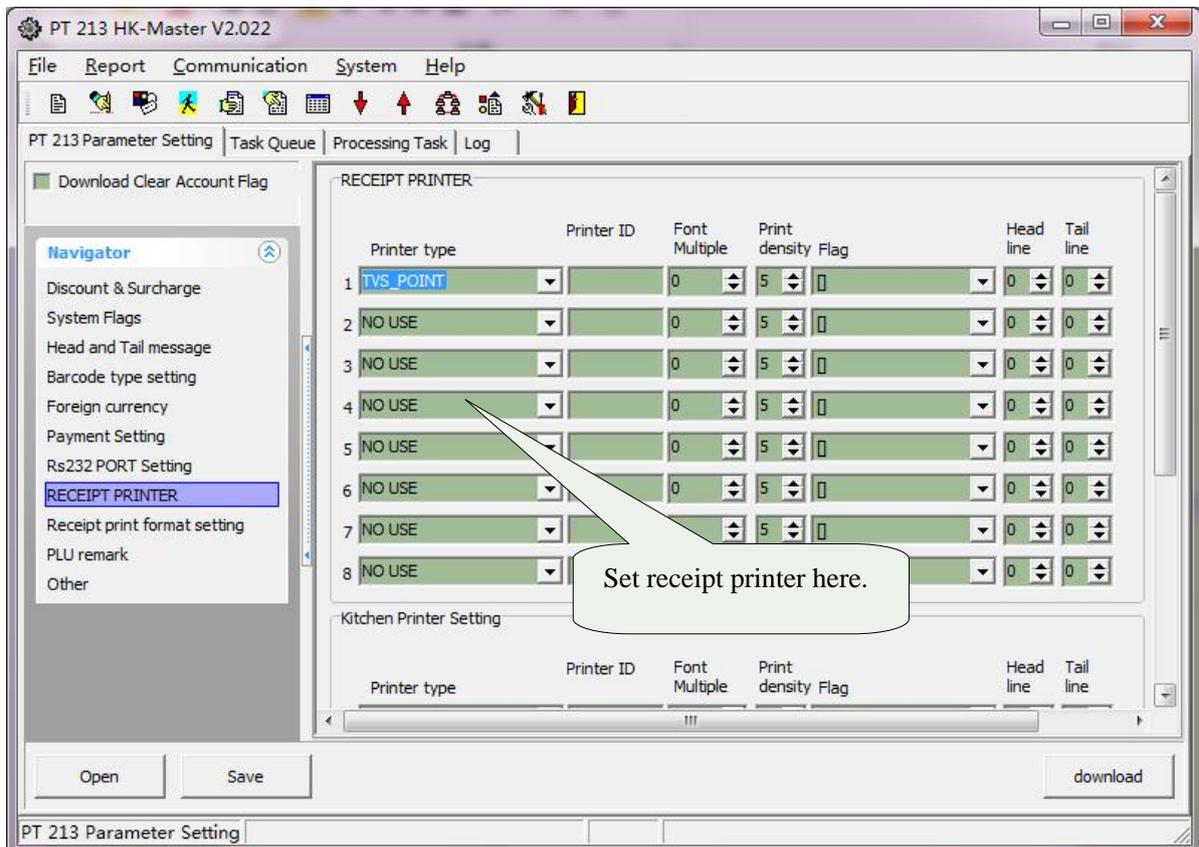
6. Payment Setting



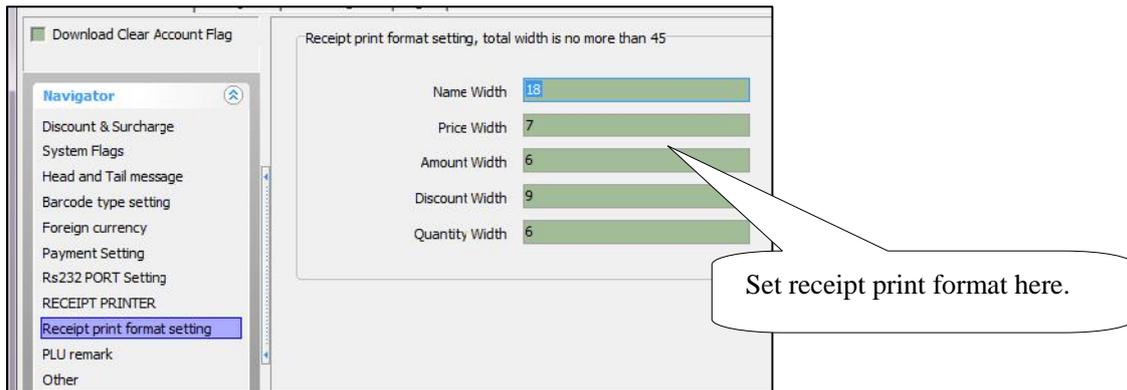
7. RS232 PORT Setting



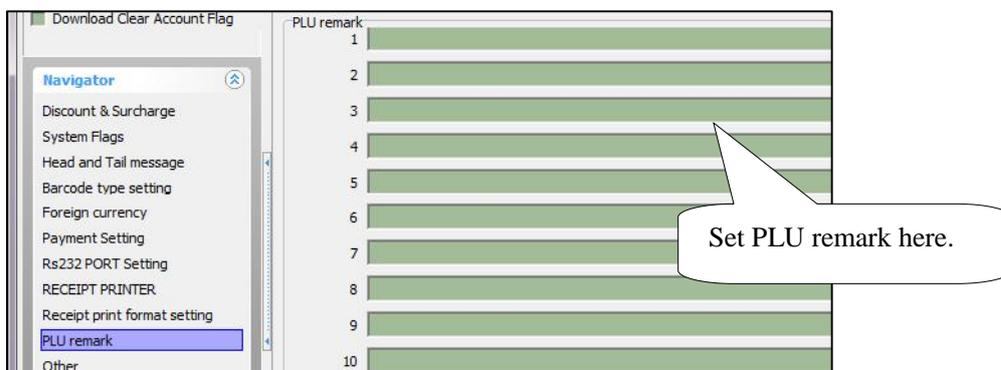
8. RECEIPT PRINTER



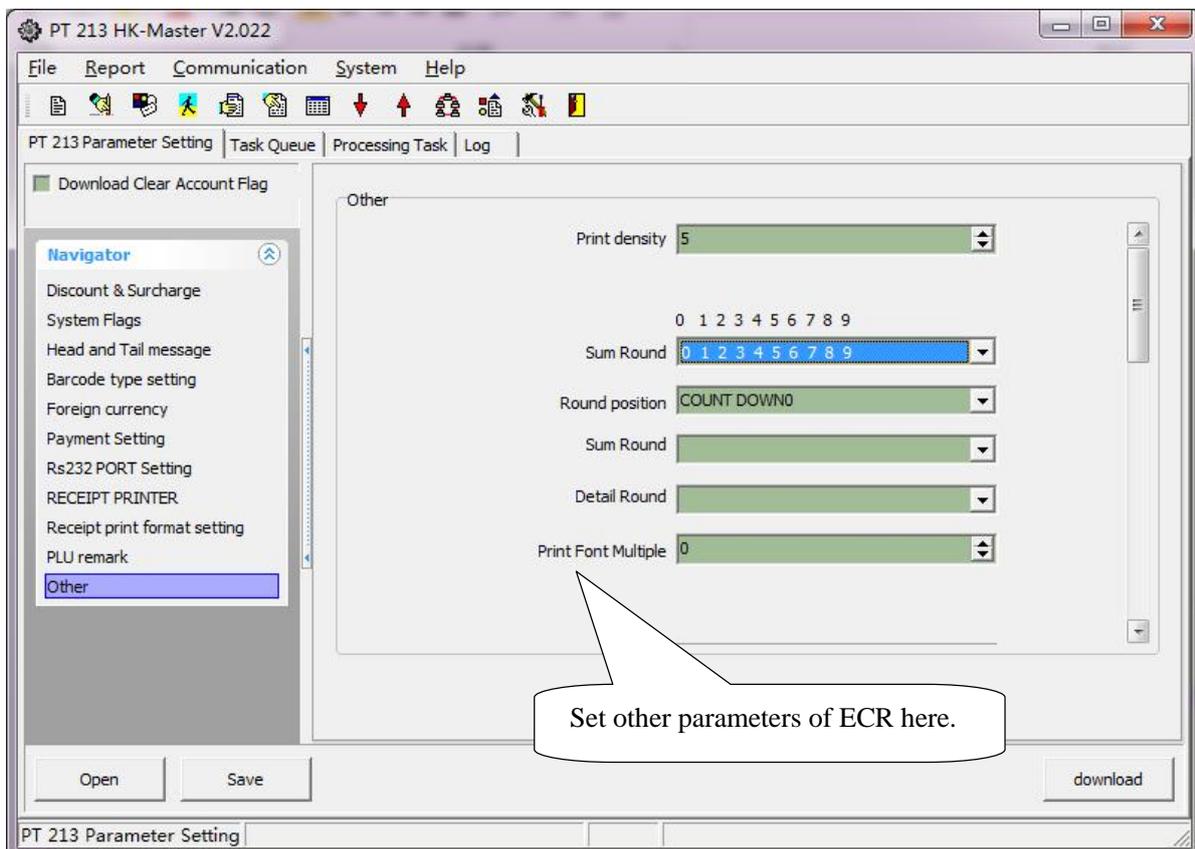
9. Receipt Print Format Setting



10. PLU Remark

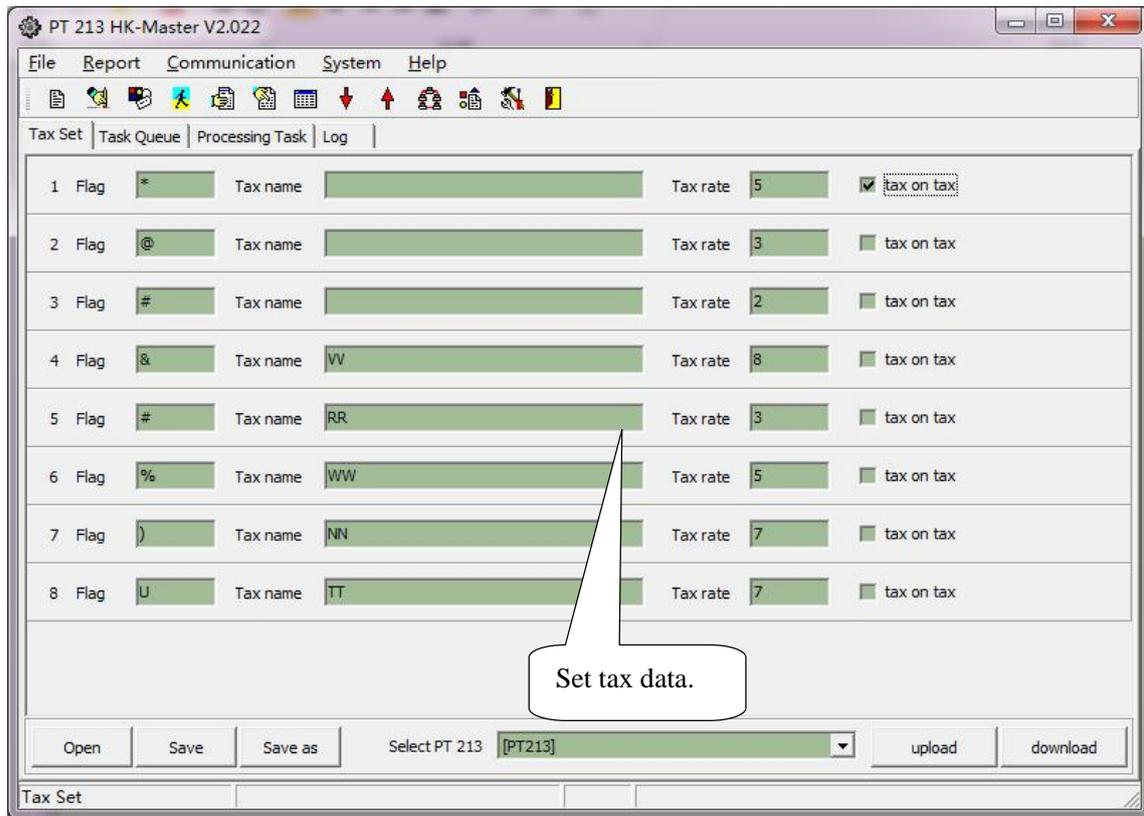


11. Other



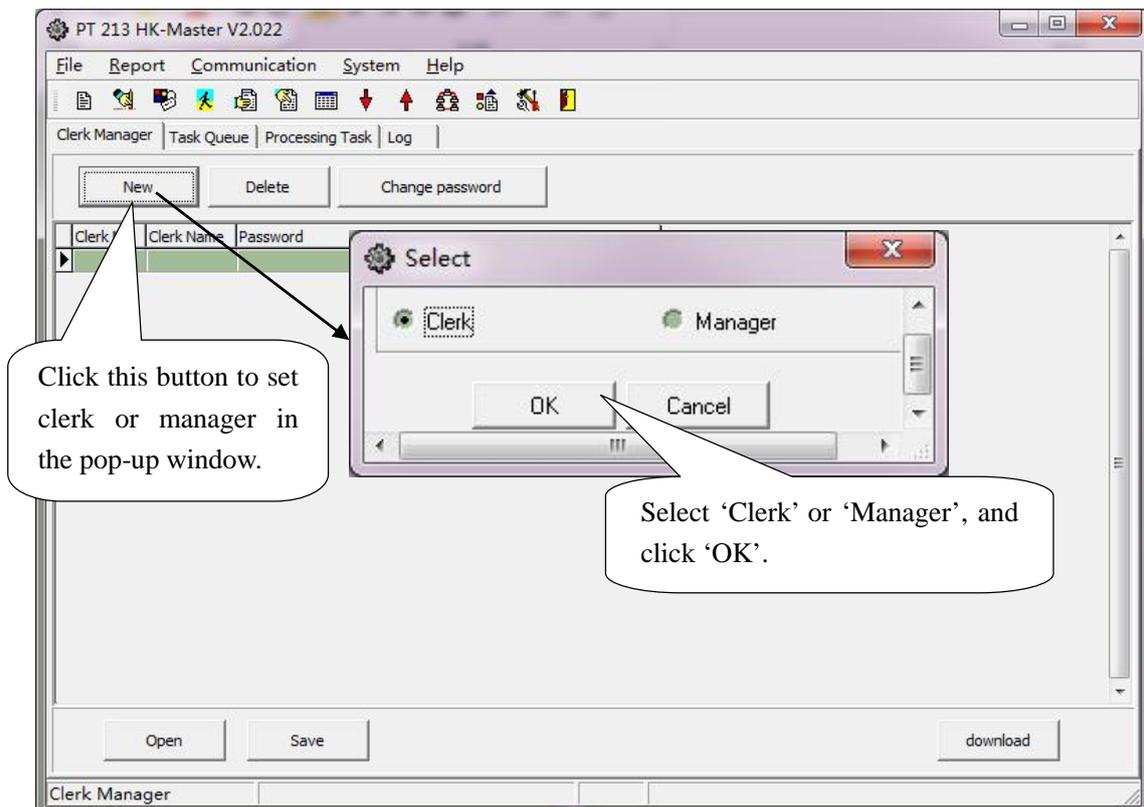
13.2.3 Tax Set

Click 'File/Tax Set' to enter the following interface:



13.2.4 Set Clerk and Manager

Click 'File/Clerk Set' to enter the following interface:





Clerk

Clerk No. 001

Clerk Name

New password ****

Confirm password ****

Set clerk information in the pop-up window, and click 'OK'.

OK Cancel

Manager

Manager ID

Manager Name

New password *****

Confirm password *****

Manager permission [RTN mod]

Set manager information in the pop-up window, and click 'OK'.

OK Cancel

13.2.5 Department Data

Click 'File/Department Set' to enter the following window:

PT 213 HK-Master V2.022

File Report Communication System Help

Department Data Task Queue Processing Task Log

Dept No.	Tax Index 1	Tax Index 2	Dept Name	Price	Discount Off	Member Discount Off	Subtotal Discount	Printer 1
1	2	6	DEP 1	¥ 50.00				
2	4	4	DEP 2					
3	6	2	DEP 3					
4	0							
5	0							
6	0							

Input department's number and name.

Click this button to download the department information to cash register.

Open Save download

13.3 Report Column

13.3.1 PLU Data

PT 213 HK-Master V2.022

File Report Communication System Help

PLU Data | Task Queue | Processing Task | Log

Report Id	Ecr Id	Status	Rece
2	550001		C:\Dc
3	550001		C:\Dc
4	0		C:\Dc
5	110010		C:\Dc
6	110010		C:\Dc
7	0		C:\Dc
8	0		C:\Dc
9	0		C:\Dc

Content

Drag a column header here to group by that column

Barcode	Product Code	Description	Price1	Price2	Price3
---------	--------------	-------------	--------	--------	--------

0

Show Delete Save As PT 213 [PT213] upload Print

PLU Data PT 213 Command: catch ack fail

Choose file and click it, you will see all the uploaded PLU information in the machine.

Click it to upload all the PLU information from the cash register.

13.3.2 Department Data

PT 213 HK-Master V2.022

File Report Communication System Help

Department Data | Task Queue | Processing Task | Log

Report Id	Ecr Id	Status	Rece
1	0		C:\Dc
2	550001		C:\Dc

Content

Drag a column header here to group by that column

Dept No.	Dept Name	Price	Tax Index 1	Tax Index 2	Discount Off	Member Dis
----------	-----------	-------	-------------	-------------	--------------	------------

0

Show Delete Save As PT 213 [PT213] upload Print

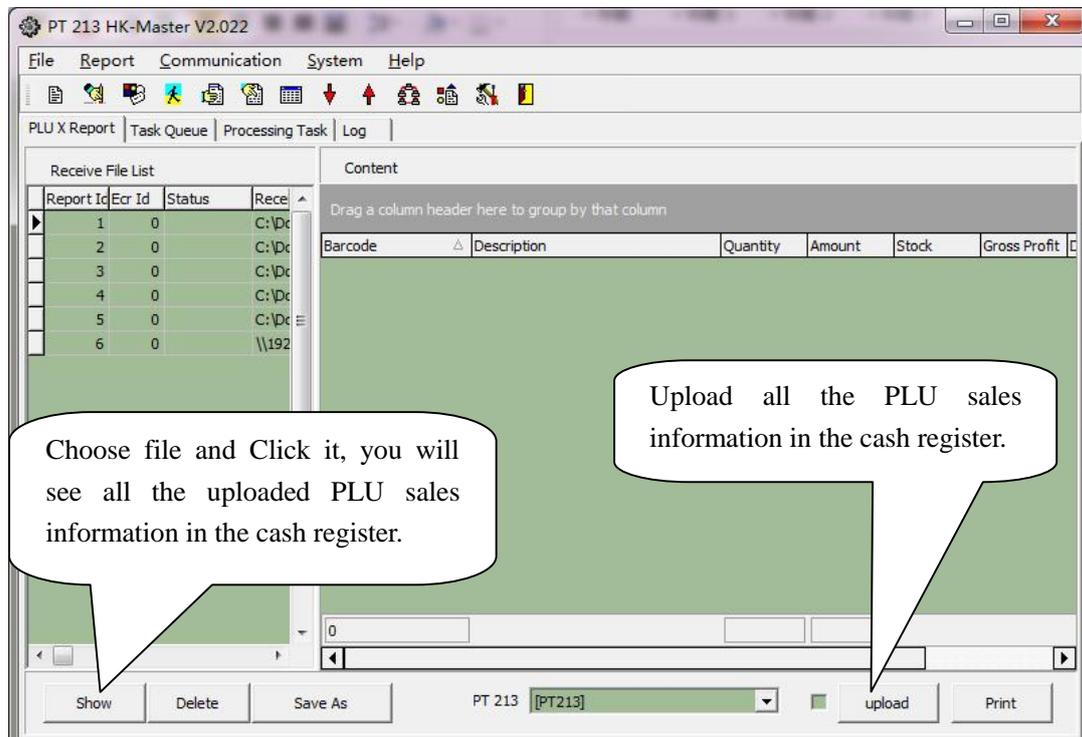
Department Data PT 213 Command: catch ack fail

Choose file and Click it; you will see all the uploaded department information in the cash register.

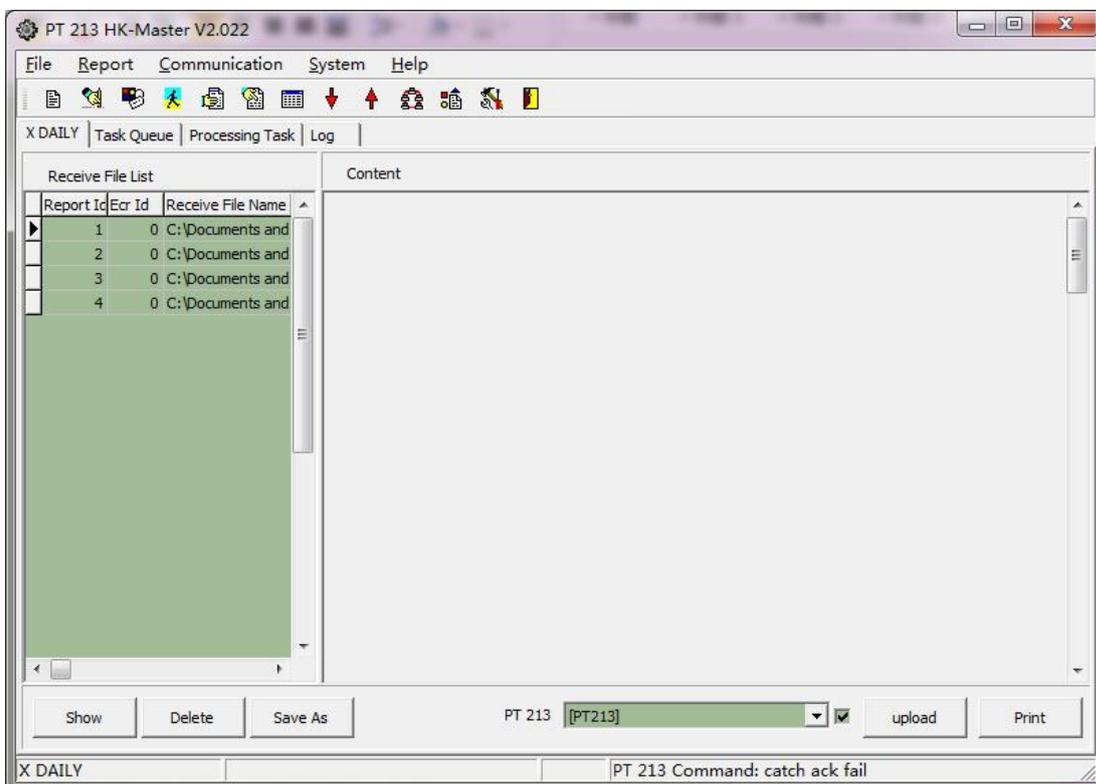
Upload all the department information from the machine.

13.3.3 PLU X Report and Z Report

Note: after you upload the PLU Z report, the total sales sum will be set to zero. The report will be printed after you uploaded.



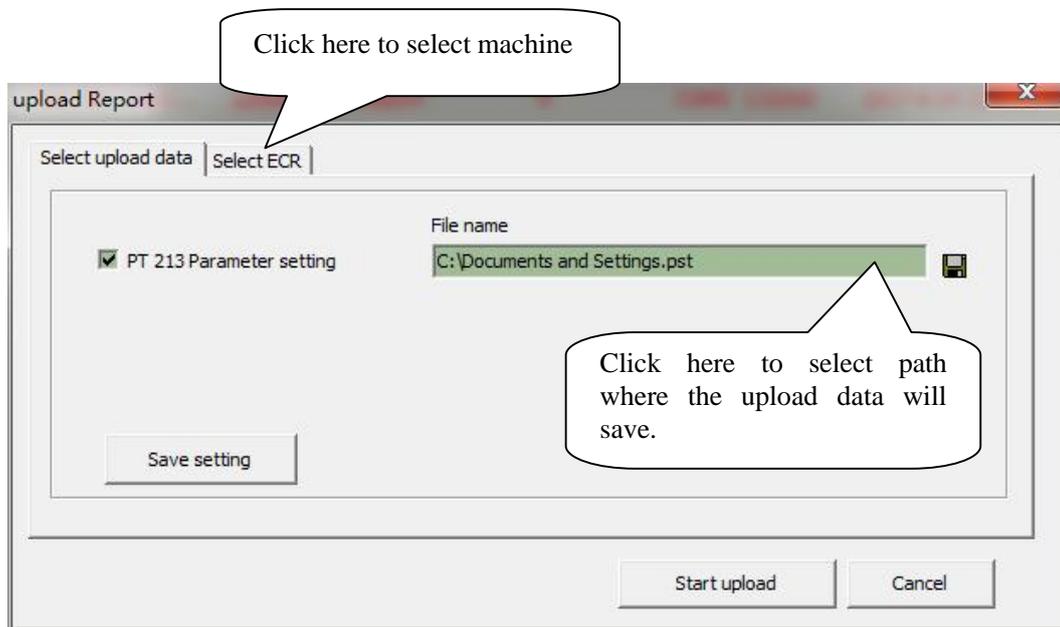
13.3.4 X Daily Report and Z Daily Report



Note: other reports are similar to these reports.

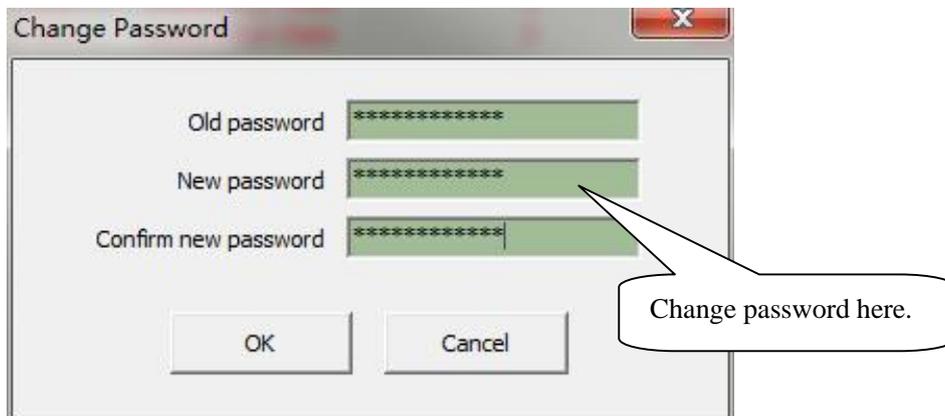
13.4 Upload Data

Click 'Communication\Upload' to enter following interface:



13.5 Change Password

Click 'System/User Manage'.



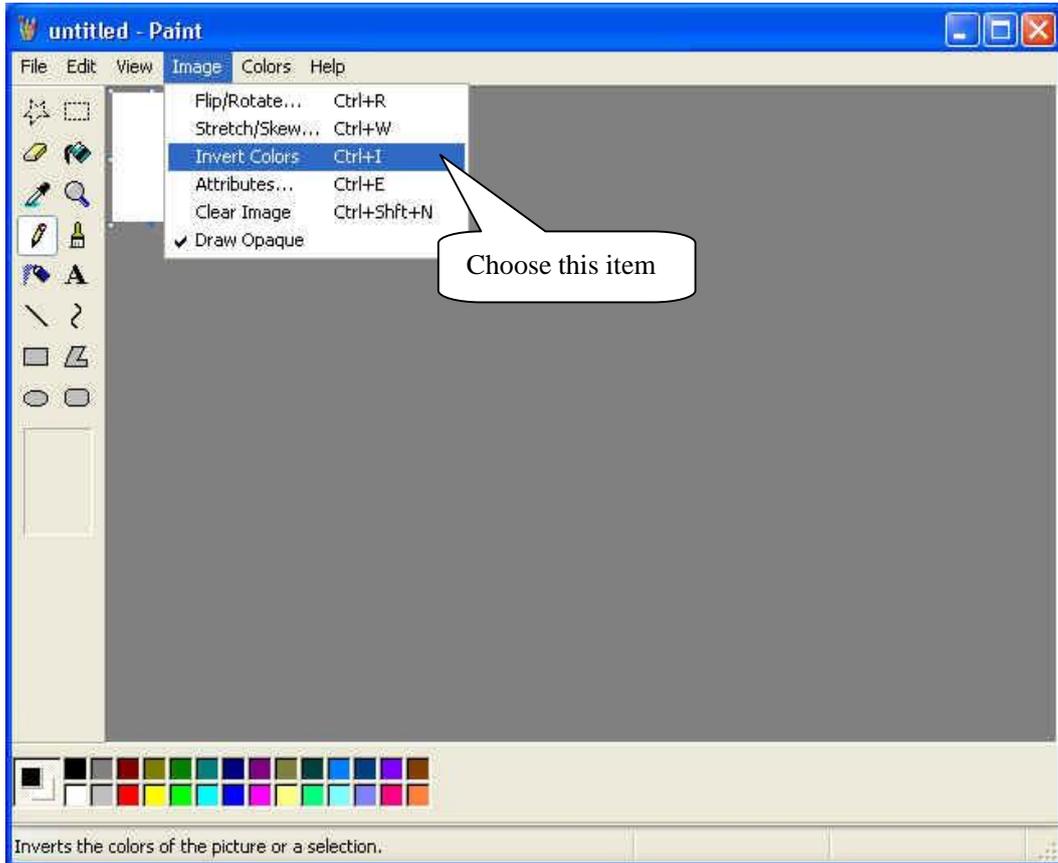
13.6 Set Logo

13.6.1 How to Make Logo

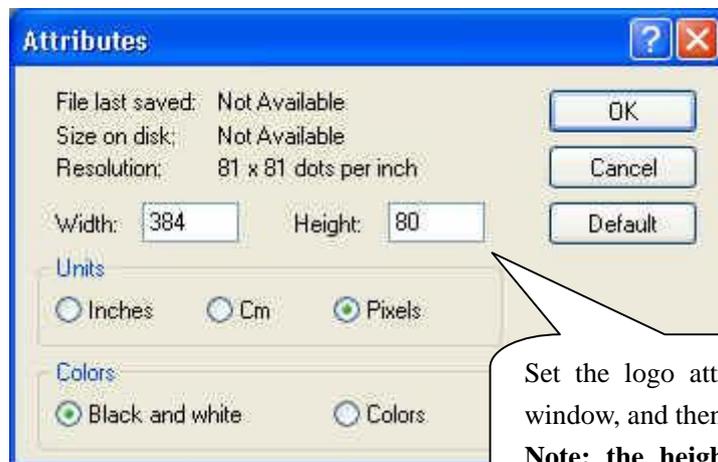
Method 1: use the attached logo directly.

Method 2:

1. Open the paint program of windows, and create a new file:

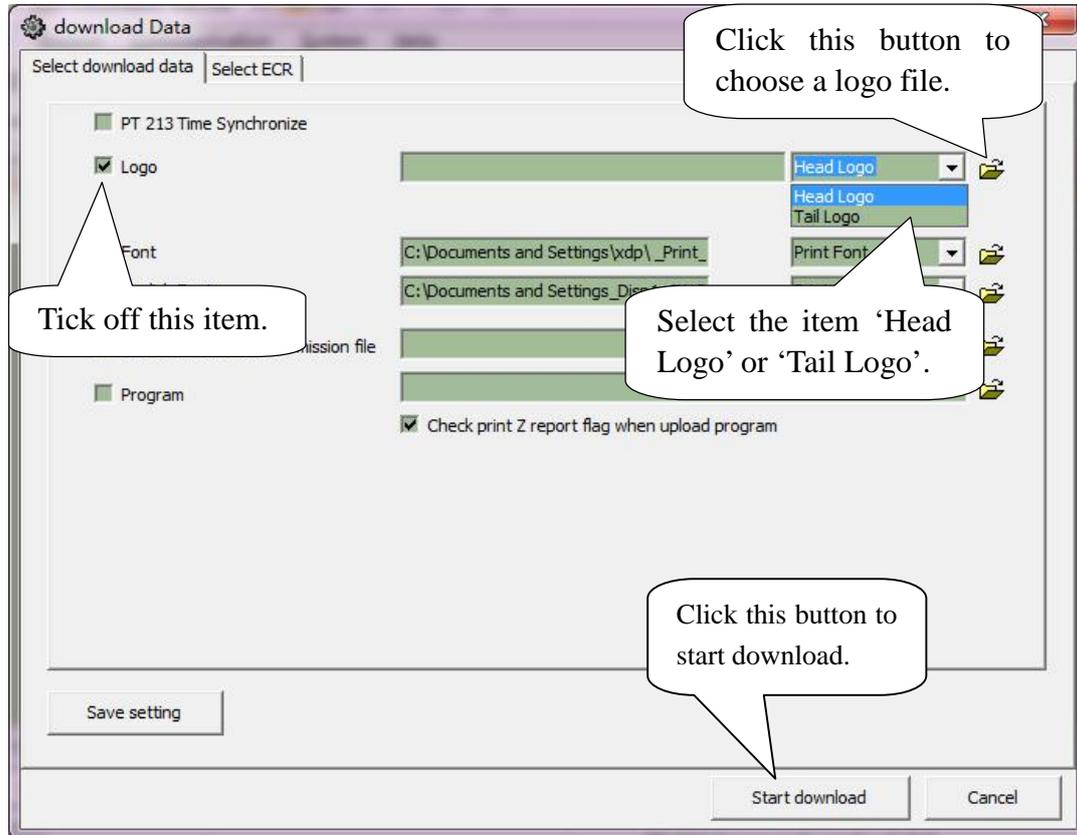


2. Do the setting as the picture shows:



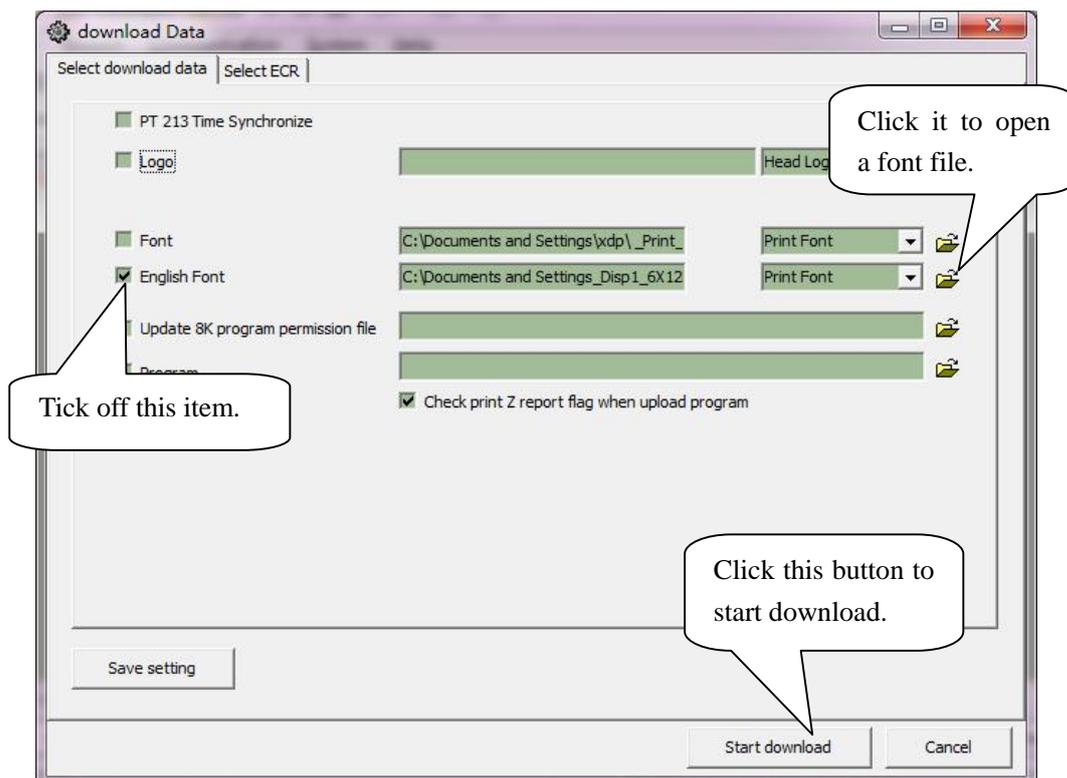
13.6.2 Download Logo

Click 'Communication/Download' to enter the following interface:



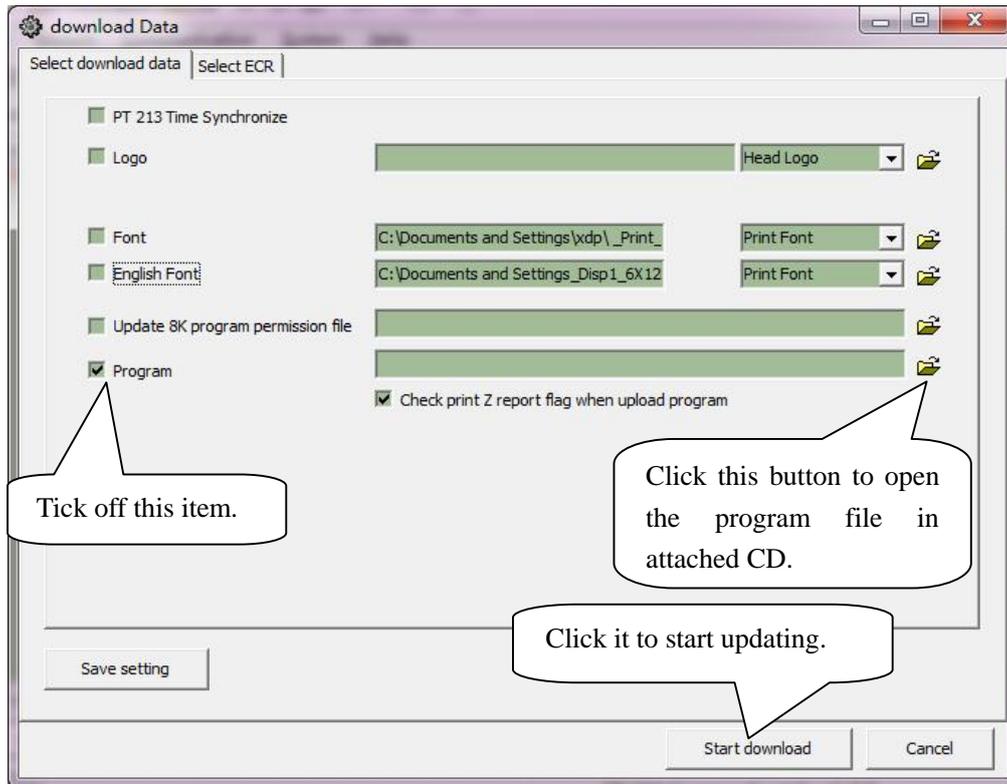
13.7 Download Font

Click 'Communication/Download' to enter the following interface:



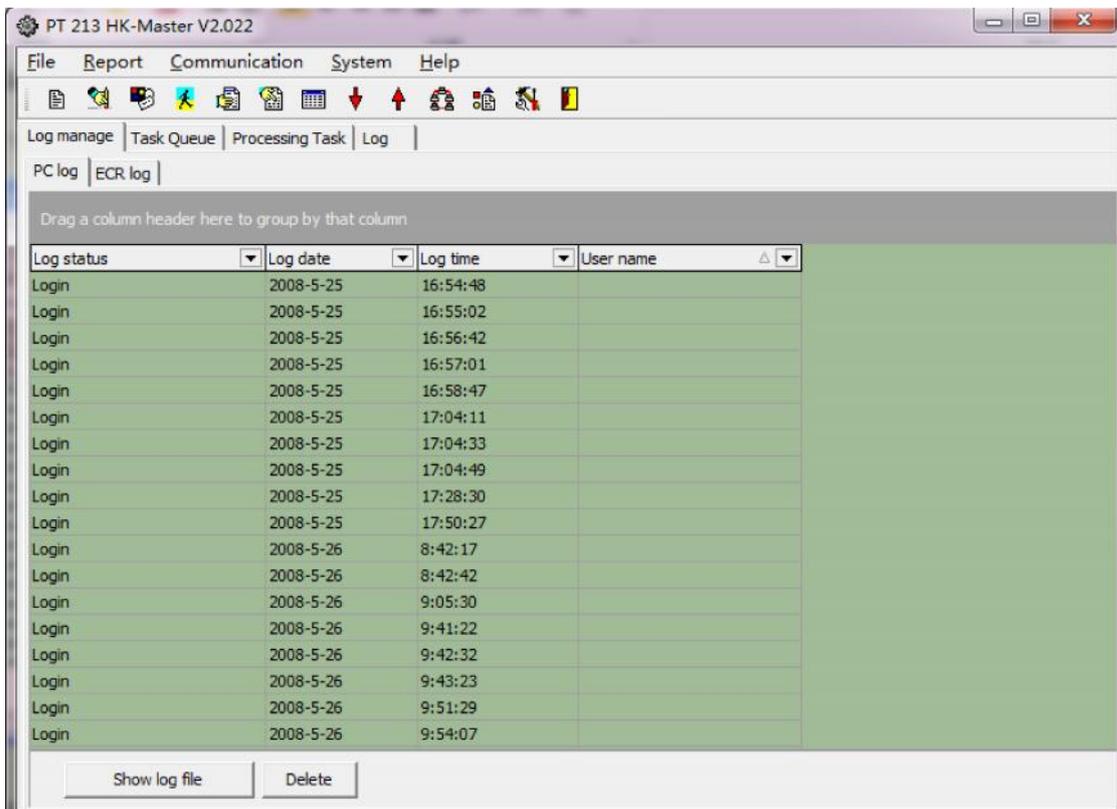
13.8 Update Program

Click 'Communication\Download' to enter the following interface:



13.9 Show Manager Log Message

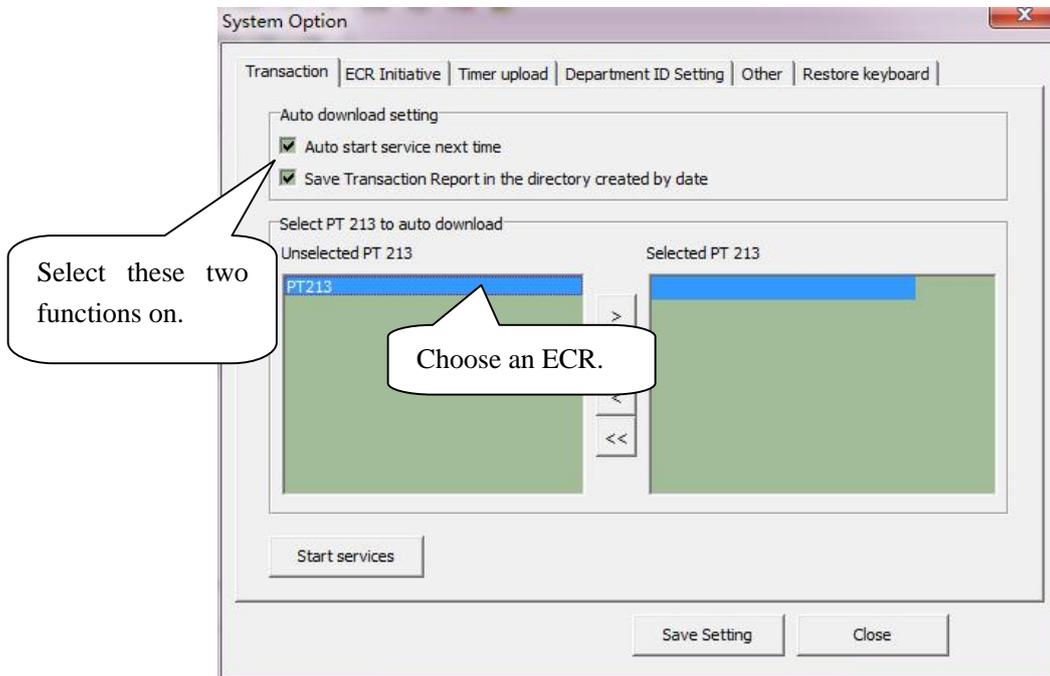
Click 'System/Log Manage', you can see the messages of manager login and logout in the following window:



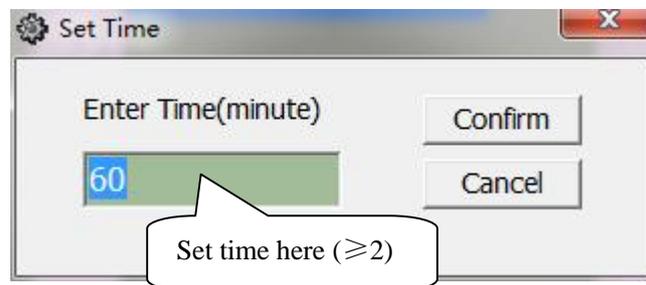
13.10 Option

(1) Click 'System/Option'. You can set trade details upload in stated time or set PC online mode to reach receipts.

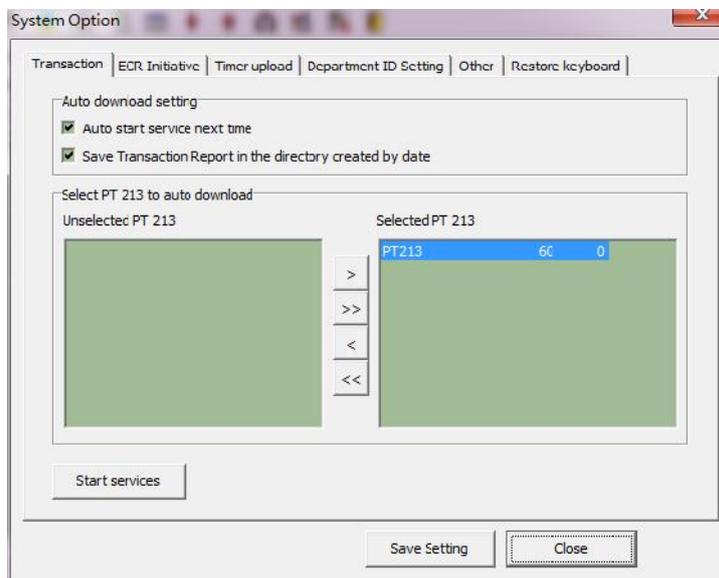
a. Trade details upload in stated time:



Click the button  or  to set time in the pop-up window:

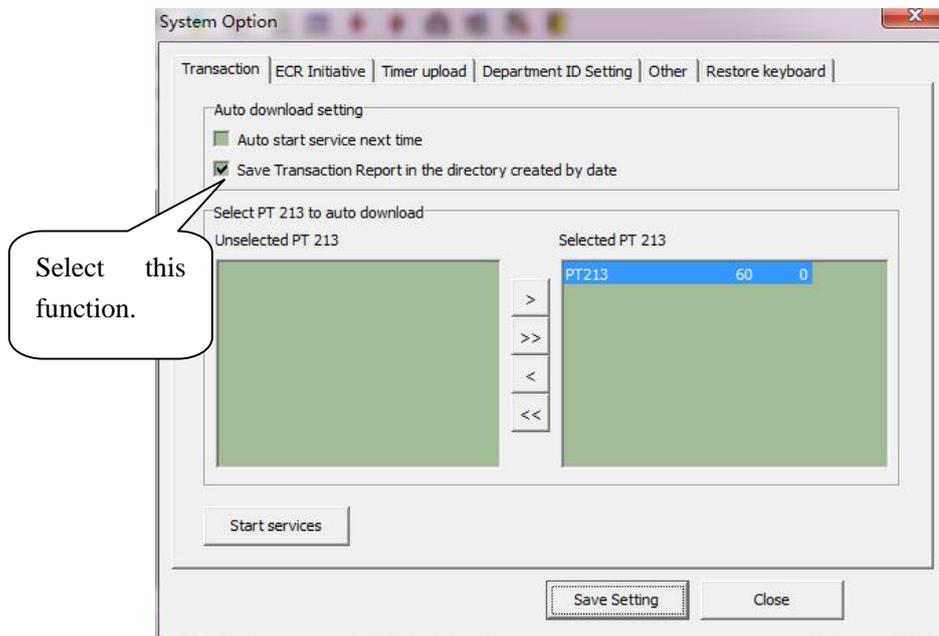


If the value you set is 60, that means the ECR will upload trade details automatically per 60 minutes. Click 'Confirm' after setting, and you will see the window as follow:

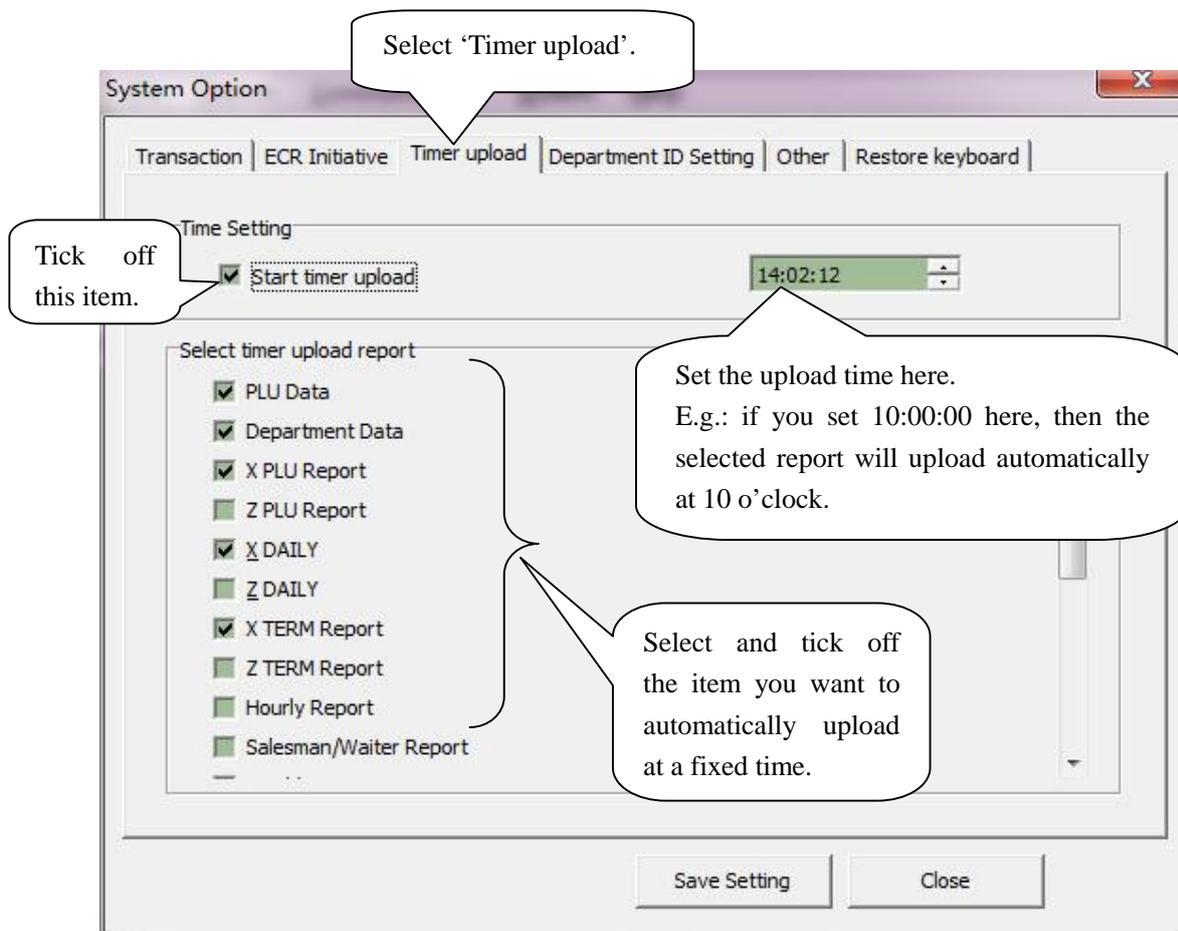


Note: we suggest you set different time value for each ECR, so that they won't upload data at the same time, avoid data transmission jam.

b. PC online mode to reach receipts:



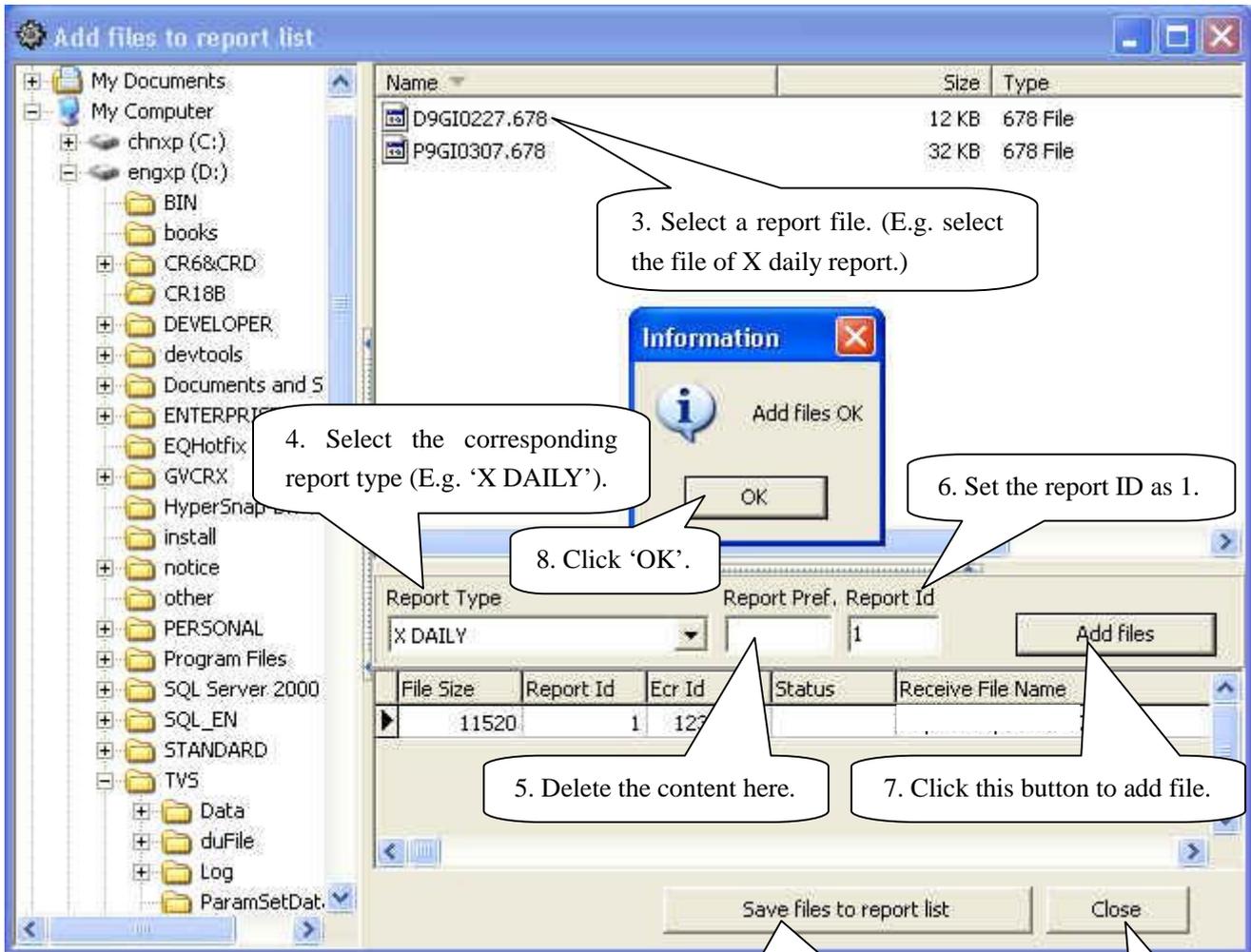
(2) Upload reports. You can set timer upload reports the following interface:



13.11 Add Files to Report List

In this function, you can add daily report or PLU report from U disk to report list, so that you can show the report on PC. Please follow the steps as below:

1. Connect U disk to cash register, upload daily report or PLU report to U disk.
2. Click 'System/Add files to report list' to enter this interface:



3. Select a report file. (E.g. select the file of X daily report.)

4. Select the corresponding report type (E.g. 'X DAILY').

8. Click 'OK'.

6. Set the report ID as 1.

5. Delete the content here.

7. Click this button to add file.

9. Click this button to save file to report list.

10. Click 'Close'.

11. Click 'Report/X DAILY', choose the file, and click the button 'Show' to show it.

14 ERROR INFORMATION

Format of familiar error information is ERR X

Error code and description

Error number	Description
1	Invalid key input
2	Clerk doesn't login
3	Invalid digit length
4	[.] input error
5	Invalid clerk code
6	QTY/WT input error
7	[E/C] input error
8	[-] input error
9	[+%] input error
10	[-%] input error
11	[Void] input error
12	Dept. data error
13	[PRICE] input error
14	[FC] input error
15	Scale communication error
16	[CASH] input error
17	[CREDIT] input error
18	[CHECK] input error
19	Please print Z daily report
20	Password input error
21	Please input amount before payment
22	Time setting error
23	PLU barcode setting error
24	Barcode check sum error
25	Print speed setting error
26	Date setting error
27	Flash writing error
28	Daily report printing error
29	Sold items over 100 in 1 receipt
30	[SAVE] input error
31	Saved records full (MAX.: 5)
32	[RECALL] input error
33	No Hard reset Error
34	[CARD] input error
35	Inexistent PLU
36	PLU QTY full
37	Flash not found
38	Flash writing error
39	Flash full

40	PLU name error
41	Password input error
42	Z daily report error
43	PLU QTY near full
44	Data input error
45	Clerk exists
46	Clerk full
47	Scale weight error
48	Unfinalized sales
49	Payment mode error
50	Cash in drawer over
51	User password error
52	Cash in drawer short
53	R/A amount over
54	P/O amount over
55	Inexistent PLU
56	Price error
57	Item amount error
58	Daily total error
59	PLU Report error
60	Fiscal code length error
61	Fiscal code & num error
62	Fiscal number error
63	Tax format error
64	Tax ID error
65	Tax number error
66	Write Eprom error
67	This Plu no sale
68	Inexistent tax rate
69	Department No. error
70	Tax area full
71	Fiscal code error
72	Download setting error
73	Full fiscal memory
74	Fiscal memory writing error (in Z report)
75	Data in Fiscal memory error
76	Full PLU data
77	PLU can't be returned
78	Batch NO. not found
79	Batch NO. input error
80	No paper roll
81	No receipt paper
82	No journal paper
83	Invalid Member Card No.
84	Sales forbidden
85	Data in Nand Flash ERROR

86 Dept. tax rate error
 87 PLU/Stock data under processing
 88 Table No. error or table isn't opened
 89 Sales No. error or sales isn't inputted
 90 Split payment error
 91 Receipt No. not found
 92 Z1 report No. not found
 93 Buffer for voided items full
 94 [Meal] input error
 95 Payment mode error
 96 [+] input error
 97 LOOP check error
 98 Communication time out
 99 CARD isn't empty
 100 Invalid card No.
 101 Net communication error
 102 Please download the sales data first
 103 IC card password input error
 104 Net Busy, MEM. Limit sale data not downloaded
 105 PLU Limit Sale QTY break bound
 106 PLU Limit Sale Max 80 recode in one receipt
 107 PLU Limit Sale PC Confirm Error
 108 Rtn Report Overage
 109 Manager NO. Error
 110 Manager have not this purview
 111 Net Busy, MEM. have to sale by Normal MEM.
 112 IP Address Confict
 113 Have subtotal dis in receipt
 114 Have Table no pay, Can't enter this function
 115 Warning!! Please upload sale data
 116 Press REMARK key error
 117 Input Qty Error
 118 This PLU have relate discount, Can't be VOIDED
 119 Clerk login area full, please upload
 120 NO SALE ERROR
 121 EXT ECR NO ERROR
 122 NO FIND CARD NO DATA TO COPY
 123 No Login
 124 Remain No Enough
 125 M1 card type error
 126 Can't PAY by this card
 127 This M1 card can't RETURN here
 128 This M1 card can't ADD AMOUNT here
 129 This M1 card can't ISSUE here
 130 This M1 card can't COPY here
 131 Combin data error

132	Remain Amt Overlary
133	COM init error,please power off/on ECR
134	Class NO. error
135	Net busy,Can`t download MEM. Cumulate
136	This plu can`t trade
137	Cumulate no enough
138	MEM. cumulate trade confirm error
139	Password in ECR error
140	Rec. limit sale qty error
141	QTY ERROR,TOTAL AMOUNT DISCOUNT
142	Max limit pay amt error
143	Max limit add amt error
144	Negative stock no allow sell
145	Only can input T barcode
146	PLS INPUT M1 USER PSW
147	Max limit add amt error
148	This M1 card can`t CHANGE PSW here
149	Total Discount Can't Cancel
150	System time error,Please contact surfaceman
151	There are some SAVED rec,no allow logout
152	There are some SAVED rec,no allow Z REP
153	Disk full or allocation exceeded
154	Connection time out
155	Communication protocol Error
156	UnKnown FAT
157	USB disk unreachable
158	Access violation
159	file compare error
160	File not found
161	File already exists
162	Filename Error
163	Communication End
164	SET TAX PROPRITY ERROR
165	NEVER ADJUST TIME
166	ECR TIME OVERFLOW WARNING
167	VALID BARCODE LEN TOO LONG
168	Low battery or short-circuit for RAM
169	This function used in TABLE ver
170	Card valid date overwrite
171	[TOTAL PRICE] input error
172	M1 Card already stop
173	M1 Card already start
174	WEIGHT IS NEGATIVE,CAN'T TARE
175	WEIGHT IS ZERO,CAN'T SALE
176	PLEASE UPLOAD TRANSACTION FIRST
177	NO CASH PAYMENT

178 NO FINDTHE DATA
179 PLEASE CHANGE TO TAX MODE FIRST
180 PLEASE SET "UPLOAD TRANSACTION TO PC?" FIRST
181 PLEASE SET "PRINT RECEIPT AFTER CHECK OUT?" FIRST
182 PLEASE SET "USE DND SALE?" FIRST
183 PLEASE SET "SUBTOTAL DISCOUNT?" FIRST
184 PLEASE SET "MIX. AND MATCH DISCOUNT?" FIRST
185 PLEASE SET "PLU MANUAL DISCOUNT?" FIRST
186 PLEASE SET "KITCHEN PRINT RECEIPT AFTER CHECK OUT?" FIRST
187 PLEASE SET "REPRINT RECEIPT BY [CASH] KEY?" FIRST
188 PLEASE SET "USE VOUCHER/LIMITED PAYMENT?" FIRST
189 NO ALLOW MANUAL CHANGE PRICE
190 PLEASE SET "PRINT NON-SALE RECEIPT?" FIRST
191 OVER CREDIT AMOUNT
192 Short of memory, please upload layby transaction asap.
193 Please print Z monthly report
194 UPS communication error

15 APPENDIX

Bar Code Type Table

This cash register support 13 digits EN-13 code. When the first digit is 2, this bar code is considered as inner code. Generally speaking, the last digit (S) used as check code. This cash register can select 10 inner barcode, which start with 2X (20~29), from the 55 types of code. Following is inner bar code, where C stand for Code, W stand for Weight or Quantity, P stand for Price. User can set bar code type in SET mode.

Barcode Type	Start Code	Code	Weight or Qty.	Check Sum
0	2X	C	WWWWWWWWW	S
1	2X	C	WWWWWWW.W	S
2	2X	C	WWWWWWW.WW	S
3	2X	C	WWWWW.WWW	S
4	2X	CC	WWWWWWWWW	S
5	2X	CC	WWWWWWW.W	S
6	2X	CC	WWWWW.WW	S
7	2X	CC	WWWWW.WWW	S
8	2X	CCC	WWWWWWW	S
9	2X	CCC	WWWWW.W	S
10	2X	CCC	WWWWW.WW	S
11	2X	CCC	WWW.WWW	S
12	2X	CCCC	WWWWW	S
13	2X	CCCC	WWW.W	S
14	2X	CCCC	WWW.WW	S
15	2X	CCCC	WW.WWW	S
16	2X	CCCCC	WWWWW	S
17	2X	CCCCC	WWW.W	S
18	2X	CCCCC	WW.WW	S
19	2X	CCCCC	WW.WWW	S
20	2X	CCCCCC	WWWWW	S
21	2X	CCCCCC	WWW.W	S
22	2X	CCCCCC	WW.WW	S
23	2X	CCCCCC	W.WWW	S
24	2X	CCCCCC	WWW	S
25	2X	CCCCCC	WW.W	S
26	2X	CCCCCC	W.WW	S
27	2X	CCCCCC	0.WWW	S
28	2X	CCCCCC	WW	S
29	2X	CCCCCC	W.W	S
30	2X	CCCCCC	0.WW	S
31	2X	CCCCCC	0.0WW	S
32	2X	CCCCCC	W	S
33	2X	CCCCCC	0.W	S
34	2X	CCCCCC	0.0W	S
35	2X	CCCCCC	0.00W	S
36	2X	CCCCCC		S
37	2X	C	PPPPPP.PP	S
38	2X	CC	PPPPPP.PP	S
39	2X	CCC	PPPPP.PP	S
40	2X	CCCC	PPPP.PP	S
41	2X	CCCCC	PPP.PP	S
42	2X	CCCCCC	PP.PP	S

43	2X	CCCCCCC	P.PP	S
44	2X	CCCCCCCC	0.PP	S
45	2X	CCCCCCCCC	0.0P	S
46		CCCCCCCCCCCC		
47	2X	C	PPPPPPPP	S
48	2X	CC	PPPPPPPP	S
49	2X	CCC	PPPPPPP	S
50	2X	CCCC	PPPPPP	S
51	2X	CCCCC	PPPPP	S
52	2X	CCCCCC	PPPP	S
53	2X	CCCCCCC	PPP	S
54	2X	CCCCCCCC	PP	S
55	2X	CCCCCCCCC	P	S

