ECR User Manual

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Introduction

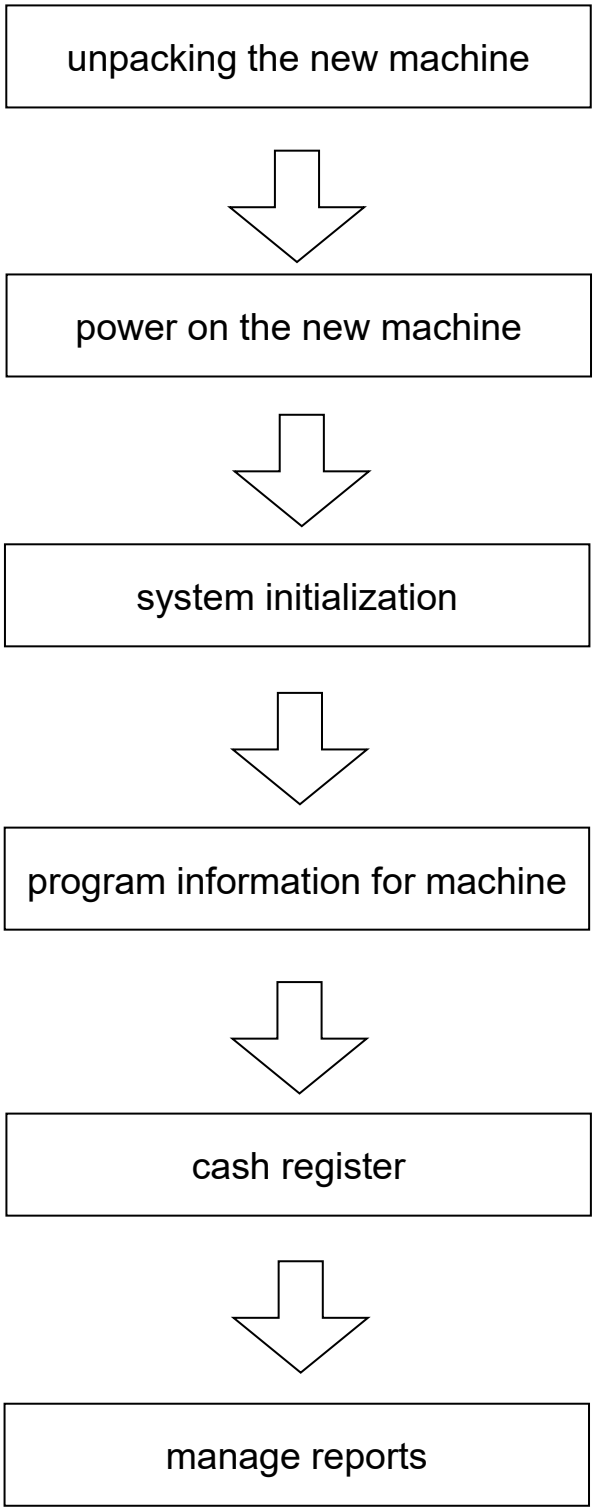
Keyboard:



Key Name and Usage

Key Name	Usage
PLU PgDn	PLU - Enter the PLU code, then press this key for a single product sales; PgDn - Page Down
↑ MUL	↑ - Turn up MUL - Input quantity of PLU
↓ PRICE	↓ - Turn Down PRICE - Enter temporary price
Shift	Gets the second definition value of the key
CLEAR	Clear current digital input and the tweet caused by the wrong operation
VOID RF	VOID - Cancel operation RF - Cancel a sold PLU(s) that customers don't want to buy
BKSP ←	Delete the entered numbers or characters
TABLE HOLD	Initiate table open operation Temporary hold the current sale of the table
RECEIPT ON /OFF	Reprint the last order receipt; Switch on / off the printing function.
-%	Discount sales
FEED	Feed paper, the printer takes a blank line
+%	Collect order service charge or temporary service charge
CLERK	Cashier or seller login
MENU ZERO	MENU - Enter system programming interface; ZERO - Sales data decimal places rounding
VIP CARD SIGN	VIP CARD - Invoke VIP sale; SIGN - Sign-up settlement at the time for sale
SUBTOTAL	Calculate total amount in sales interface. Confirm operation.
CASH	Cash settlement operations. 'Shift'+'Cash' can open the cash drawer.
CASHOUT CASHIN	CASHOUT - Record the amount directly take out from the cash drawer. CASHIN - Record the amount directly put into the cash drawer.

Use Flow


unpacking the new machine
power on the new machine
system initialization
program information for machine
cash register
manage reports

Initialize Cash Register Operation

1) Press the [MENU ZERO] key to enter the main menu.
2) Press [4] + [SUBTOTAL] to enter ‘Program’.
3) Press [20] + [SUBTOTAL] + [↑ MUL] + [SUBTOTAL] to enter initial cash register operation.
4) Press [CASH] key to return to initial state of programming.

WARNING: Before making any other programming for the new machine, please initialize the cash Register first. This will restore all the parameters of the cash register to the factory defaults!

Set System Time

1) Press [MENU ZERO] key to enter the system main menu.
2) Press [4] + [SUBTOTAL] to enter ‘Program’.
3) Press [13] + [SUBTOTAL] to enter the date and time programming operation.
4) Enter ‘year / month / date’ and press [SUBTOTAL] to confirm the entry.
5) Enter ‘hour / min / sec’ and press [SUBTOTAL] to confirm the entry.

Set Function Parameters of Cash Register

1) Press [MENU ZERO] key to enter the system main menu.
2) Press [4] + [SUBTOTAL] to enter ‘Program’.
3) Press [12] + [SUBTOTAL] to enter the function parameter programming operation.
4) No need to enter the serial number, press the [SUBTOTAL] key directly.
5) Enter the 1st, 2ndfunction parameter values respectively as follows: ‘0001’, ‘9600’.
   (‘0001’ refers to Appendix B for the definition of functional parameter)
6) Press the [CASH] key to return to the programming initial state.

System Programming Operation Guide

After initialization, cash register will be able to work properly. But all the parameters inside cash register are default setting, may not meet the needs of user. In order to achieve the cash register users personalization, need to program the cash register, all the programming operations will be described later.

Note: During this operation, the machine needs to be in the ‘Program’ state.

Steps	Programming Type
[1] + [SUBTOTAL]	Department programming
[2] + [SUBTOTAL]	SPLU programming
[3] + [SUBTOTAL]	Bill programming
[4] + [SUBTOTAL]	Cashier programming
[5] + [SUBTOTAL]	Seller programming
[6] + [SUBTOTAL]	Table programming
[7] + [SUBTOTAL]	Suit programming
[8] + [SUBTOTAL]	Taste programming
[9] + [SUBTOTAL]	Sign programming
[10] + [SUBTOTAL]	Payment programming
[11] + [SUBTOTAL]	Keyboard programming
[12] + [SUBTOTAL]	Function programming
[13] + [SUBTOTAL]	Date programming
[14] + [SUBTOTAL]	Outprint Bill
[15] + [SUBTOTAL]	VIPs programming
[16] + [SUBTOTAL]	DPLU Program
[17] + [SUBTOTAL]	Window Program
[18] + [SUBTOTAL]	Sale Name Program
[19] + [SUBTOTAL]	VATs Item Program
[20] + [SUBTOTAL]	Clear System
[21] + [SUBTOTAL]	System Information

Basic Programming Operation

There are 3 basic programming operations of the cash register.

- sequence number input operation
- digital input operation
- name input operation

Sequence Number Input Operation

The sequence number input operation is used to determine the order of the current processing object.
For example: in the programming initial state, press [1] + [SUBTOTAL] key to enter the department sequence number input state.

The display shows as the following:

DEPT Program
Numb: 1
(Rang: 1-200)

Enter the corresponding serial number, such as [1] + [SUBTOTAL], that the user can enter the first part of the department setting.

Digital Input Operation

The digital input operation is an operation for performing digital data input, such as price, inventory, etc.
Note:

1) Not enter the decimal point [.], the default input data should be an integer;
2) In addition to the foreign exchange rate input as the 4 decimal places, the other digital input operation defaults to 2 decimal places.

For example: input data 120.55,
Press [1] + [2] + [0] + [.] + [5] + [5]
input data 100.00
Press [1] + [00], or [1] + [0] + [0]

Name input operation

Name editing input method can be three, press the [Shift] key to switch：

1) Uppercase (for names with letters in English);
2) Lowercase (for programming with lowercase letters);
3) Symbols (for names with special symbols), use [↑ MUL] and [↓ PRICE] to find.

Note: If you press [SUBTOTAL] directly without entering the characters, that skips the current name input.

Department Programming

Department refers to the class to which the PLUs belong, which should already exist before the PLU programming.

Department can be programmed up to 200, each with 6 attributes:

- Name: Indicate the sales name of the department, 20 characters;
- Price: Indicate the sales price of the department, 8 digits (including 2 decimal places);
- Attr: Department attribute

A：0＝Allow Out Print; 1＝Forbid Out Print;
B：0＝Allow Zero Price; 1＝Forbid Zero Price;
C：0＝Allow Discount; 1＝Forbid Discount;
D：0＝Allow Service Fee; 1＝Forbid Service Fee;
E：Tax No.;
F：Windows No.;

1) Press [MENU ZERO] key to enter the system main menu;
2) Press [4] + [SUBTOTAL] to enter "Program";
3) Press [1] + [SUBTOTAL] to enter the part sequence number input state, press [SUB] directly to enter the 1 # department programming, or enter the sequence number, press [SUB], then enter the corresponding department programming;
4) Enter the name, press [SUBTOTAL] to confirm;
5) Enter the unit price, press [SUBTOTAL] to confirm;
6) Enter the attribute, use [↑ MUL] and [↓ PRICE] to select, or input attribute number accordingly, press [SUBTOTAL] to confirm;
7) Repeat 4) to 6) until 200 parts are programmed;
8) Press [CASH] to exit the Department programming state;
9) Press [SUBTOTAL] and then [RECEIPT ON/OFF] key to print out part of the programming data;

Example:
The "DEPT 1" name is set to "daily class", does not allow zero price sales, allowing external printer to print, allow discount and service fee, the unit price is not set, the operation is as follows:
Press [MENU ZERO]+ [4] + [SUBTOTAL] + [1] + [SUBTOTAL] + [SUTOTALB] + characters (daily class) + [SUBTOTAL] + [SUTOTALB] + [010000] + [SUBTOTAL] +[CASH].

SPLU Programming

SPLU refers to the commodity for sales. In SPLU program, user can edit PLU code, name, price, VIP price, purchase price, inventory, alarm of PLU inventory;

- Code: The code is the only sign of the PLU in the cash register, and the different PLU have different codes(Or barcode), up to 13 digits;
- DEPTNumb: The department value to which PLU belong;
- Name: PLU name, up to 20 characters;
- Price: PLU sales price, 8 digits (including 2 decimal);
- VPrice: VIP price, 8 digits (including 2 decimal places);
- Purch: PLU purchase price, 8 digits (including 2 decimal);
- Stock: the inventory for PLU, 10 digits (including 2 decimal places);
- Warn: PLU inventory alarm, 10 digits (including 2 decimal places);

Program SPLU information as the followings:

1) Press [MENU ZERO] key to enter the system main menu;
2) Press [4] + [SUBTOTAL] to enter "Program";
3) Press [2] + [SUBTOTAL] to enter the PLU programming state;
4) Enter the PLU code, press [SUBTOTAL] to confirm;
5) Enter the name, press [SUBTOTAL] to confirm;
6) Enter the department attribute, input department number, press [SUBTOTAL] to confirm
7) Enter the unit price, press [SUBTOTAL] to confirm;
8) Enter the VIP price, press [SUBTOTAL] to confirm,
9) Enter the purchase price, press [SUBTOTAL] to confirm;
10) Enter the number of stocks, press [SUBTOTAL] to confirm;
11) Enter the number of warn, press [SUBTOTAL] to confirm;
12) Repeat 2) ~ 11) until the PLUs are programmed;
13) Press [CASH] to exit the PLU programming state; press [SUBTOTAL] and then press [RECEIPT ON/OFF] key to print PLU programming data;

Note:

1) Input PLU code in SPLU Programming state, then press [VOID RF] button to delete the PLU.
2) The cash register can identify the electronic scale barcode (including the weight electronic scale barcode and the cash electronic scale barcode), the encoded 13-bit number is defined as follows:

Preamble (2 digits) + PLU code (5 digits) + weight / price(5 digits) + check code (1 bit).
The specific setting of the electronic scale barcode refers to item 15 in "Function programming".

Example:

Set PLU code "366828", name "Apple Juice", belongs to department “Drink”, unit price 3, member price 2.5, purchase price 2, inventory 50, alarm memory 5, the operation is as follows：
Press [MENU ZERO] + [4] + [SUBTOTAL] + [2] + [SUBTOTAL] + [366828] + [SUBTOTAL] + Character （Apple Juice） + [SUBTOTAL] + [5] + [SUBTOTAL] + [3] + [SUBTOTAL] + [2.5] + [SUBTOTAL] + [2] + [SUBTOTAL] + [50] + [SUBTOTAL] + [5] + [SUBTOTAL] + [CASH].

Bill Programming

Program the head and tail of the receipt printed by the cash register.
There are 30 lines of receipt head and tail, each line has 2 attributes.

- Name: 32 characters;
- Attribute: 4 digits; 4 digits are defined as follows：

A：0=Forbid; 1=Head; 2=Tail ;
B：0=Text; 1=Graphics Mode;
C：0=Left; 1=Middle Align;
D：0=Normal; 1=Width; 2=High; 3=Full Zoom

The programming steps are as follows：
1) Press [MENU ZERO] key to enter the system main menu;
2) Press [4] + [SUBTOTAL] to enter "Program";
3) Press [3] + [SUBTOTAL] to enter the head and tail of the receipt. Press [SUBTOTAL] directly to enter the first row of programming, input the sequence number and press [SUBTOTAL] to enter the corresponding row programming;
4) Enter the name, press [SUBTOTAL] to confirm, enter the first line of attribute programming;
5) Enter the attributes, press [SUBTOTAL] to confirm, enter the second line name programming;
6) Repeat 4) ~ 5) until 30 lines have been programmed;
7) Press [CASH] to exit programming status; press [RECEIPT ON/OFF] key to print programming data;

Note:
If the attribute is set to 0000 (not print), then automatically enter the next line of programming.

Example:
Set the first line does not print, second line center and width, print "Welcome"
Operation is as follows:

Press [MENU ZERO] + [4] + [SUBTOTAL] + [3] + [SUBTOTAL] + [SUBTOTAL] + [0000] + [SUBTOTAL] + Welcome + [SUBTOTAL] + [1000] + [SUBTOTAL] + [CASH].

Cashier Programming

Set the password and name of the cashier. Each cashier has its own unique password. Cash register machine can be based on the password to distinguish between different cashier.
Up to 50 cashiers. Each cashier has 2 attributes：

- Name: Up to 20 characters;
- Password: 6 digits;

Operation process:

1) Press [MENU ZERO] + [4] + [SUBTOTAL] + [4] + [SUBTOTAL] to enter cashier programming. Press [SUBTOTAL] directly to enter the first cashier programming and enter the sequence number. Press [SUBTOTAL] to enter the corresponding cashier programming;
2) Enter the name, press [SUBTOTAL] to confirm;
3) Enter the password, press [SUBTOTAL] confirm;
4) Repeat 2), 3), until cashier programming is completed;
5) Press [CASH[to exit cashier programming status and press [SUBTOTAL], and then press [RECEIPT ON / OFF] key to print cashier programming data;

Example:

The "cashier 1" name is set to "Wang Feng" and password "223344".
Operation is as follows:

Press [MENU ZERO] + [4] + [SUBTOTAL] + [4] + [SUBTOTAL] + [SUBTOTAL] + Wang Feng+ [SUBTOTAL] + [223344] + [SUBTOTAL] + [CASH].

Seller Programming

Set the name of the seller, cash registers can be based on the serial number to distinguish between different sellers; Up to 100 sellers, each seller has a property：

- Name: Up to 20 characters.

The programming steps are as follows：

1) Press [MENU ZERO] + [4] + [SUBTOTAL] + [5] + [SUBTOTAL] to enter the seller programming status.

2) Press [SUBTOTAL] directly to enter 1 # seller programming, enter the serial number, press [SUBTOTAL] to enter the corresponding seller programming.

3) Enter the seller name, press [SUBTOTAL] to confirm, then enter the next seller name programming;

4) Repeat 2) to 3), until the seller programming is completed;

5) Press [CASH] key to exit salesman programming state. Press [SUBTOTAL] and then press [RECEIPT ON /OFF] key to print seller programming data.

Example:

The name of "Seller 1" is set as "Zhang Jing":

Press [MENU ZERO] + [4] + [SUBTOTAL] + [5] + [SUBTOTAL] + [SUBTOTAL] + Zhang Jing + [SUBTOTAL] + [CASH].

Table Programming

Programming the number and name of the table. Used to enter and print in table sales. The number of tables must be entered when initializing the cash register operation.

Up to 200 tables, each with 2 attributes：

- Name: 20 characters;
- Number: 13 digits, used when entering the table number.

The programming steps are as follows：

1) Press [MENU ZERO] + [4] + [SUBTOTAL] +[6] + [SUBTOTAL], press [SUBTOTAL] directly to enter 1 # table programming;

2) Input table name and code for 1# table. Press [SUBTOTAL] to confirm.

3) Repeat step 2) until the table programming is finished;

4) Press [CASH] to exit the table programming status. Press [SUBTOTAL] and press [RECEIPT ON /OFF] to print the table programming data;

Example:
The [table 1] name is set to “Peony Hall” , the table number is “208”, the operation is as follows:
Press [MENU ZERO] + [4] + [SUBTOTAL] + [6] + [SUBTOTAL] + [SUBTOTAL] + Peony Hall + [SUBTOTAL] + [208] + [SUBTOTAL] + [CASH].

Suit Programming

Suit can be prepared up to 50, including suit name, suit properties, suit price and suit items.

- Suit attributes: 6 digits. Definition of each attribute is as follows：
  A：0＝Allow Out Print; 1＝Forbid Out Print;
  B：0＝Allow Zero Price; 1＝Forbid Zero Price;
  C：0＝Allow Discount; 1＝Forbid Discount;
  D：0＝Allow Service Fee; 1＝Forbid Service Fee;
  E：Tax No.;
  F：Window No.;
- Item: Input item quantity included in this suit.
- Code: Input SPLU code included in this suit.
- Qty: Input quantity of PLU included in this suit.

Program operation as follows;

1) Press [MENU ZERO] + [4] + [SUBTOTAL] + [7] + [SUBTOTAL] to enter the suit sequence number;

2) Press [SUBTOTAL] directly to enter 1 # suit programming;

3) Press [SUBTOTAL], then enter the corresponding suit programming;

4) Enter the suit name, press [SUBTOTAL] to confirm;

5) Enter the price, press [SUBTOTAL] to confirm;

6) Enter the attribute, press [SUBTOTAL] to confirm, enter the number of suits programming;

(It refers to the number of suits, you can press the [SUBTOTAL] key to skip);

7) Enter the suit item, press [SUBTOTAL] to confirm, enter the next suit programming;

8) Repeat 4) ~ 7) until 50 suits have been programmed;

9) Press [CASH] to exit the suit programming status. Press [SUBTOTAL] and then press [RECEIPT ON / OFF] key to print suit programming data;

Example:
The "Suit 1" name set to "Beef Suit", with price 12, the other omitted, the operation is as follows:
Press [MENU ZERO] + [4] + [SUBTOTAL] + [7] + [SUBTOTAL] + [SUBTOTAL] + Beef Suit+ [SUBTOTAL] + [12] + [SUBTOTAL] + [SUBTOTAL] + [CASH].

Taste Programming

Can be edited up to 30 tastes, each taste has a attribute：

- Name: 20 characters.

The programming steps are as follows：

1) Press [MENU ZERO] + [4] + [SUBTOTAL] + [8]+ [SUBTOTAL] to enter the taste name programming state, directly press the" [SUBTOTAL] to enter # 1 taste name programming.

2) Input the serial number, press [SUBTOTAL] to confirm.

3) Enter the name, press [SUBTOTAL] to confirm;

4) Repeat 3) until the taste name programming is completed;

5) Press [CASH] to exit the taste programming state; press [SUBTOTAL] and press [RECEIPT ON/OFF] key to print taste programming data;

Example:

"Taste 1" is set to “Hot” as follows：

Press [MENU ZERO]+[4]+[SUBTOTAL]+[8]+[SUBTOTAL]+[SUBTOTAL]+ Hot +[SUBTOTAL]+[CASH]

Sign Programming

Programming the accounting customer's code and name for sign-up settlement during sale.

Up to 200 sign-up customers, each customer has two attributes：

- Name: 20 characters;
- Code: 13 digit. This attribute is the mark of distinguishing the sign-up customer.

Program sign-up customer information as the follows;

1) Press [MENU ZERO] + [4] + [SUBTOTAL] + [9] + [SUBTOTAL] to enter the sign programming mode, press [SUBTOTAL] directly to enter # 1 sign-up customer programming.

2) Enter the sequence number and press [SUBTOTAL]. Then enter the corresponding sign-up customer programming;

3) Enter the name, press [SUBTOTAL] to confirm, enter the sign-up customer code programming;

4) Enter the customer code, press [SUBTOTAL] to confirm, enter the next customer name programming;

5) Repeat 3), 4) until 200 sign-up customers are programmed;

6) Press [CASH] to exit the signing process. Press [SUBTOTAL] and then press [RECEIPT ON / OFF] key to print the sign programming data;

Example:
The "sign-up customer 1" name is set to "Chen Sheng" number is set to "222333".
The operation is as follows：
Press [MENU ZERO] + [4] + [SUBTOTAL] + [9] + [SUBTOTAL] + [SUBTOTAL] + Chen Sheng +[SUBTOTAL] + "222333" + [SUBTOTAL] + [CASH]

Payment Programming

Programming the name and exchange rate of payment mode for settlement during sale.
Up to 8 payment modes, 2 attributes for each payment mode：

- Name: 20 characters / 10 Chinese characters;
- Rate: 10 digits (including 4 decimal places);

The programming steps are as follows：
1) Press [MENU ZERO] + [4] + [SUBTOTAL] + [10] + [SUBTOTAL] to enter payment mode programming;
2) Press [SUBTOTAL] directly to enter 1 # payment mode, input sequence number, press [SUBTOTAL] key to enter the corresponding payment mode;
3) Enter the name, press [SUBTOTAL] key to confirm, enter exchange rate programming (if you do not input exchange rate, you can press [SUBTOTAL] key to skip);
4) Enter the exchange rate, press the [SUBTOTAL] key to confirm, enter the next payment mode programming;
5) Repeat 3), 4) until 8 payment modes have been programmed;
6) Press [CASH] to exit payment mode programming. Press [SUBTOTAL] and then press [RECEIPT ON/OFF] key to print payment mode programming data.

Example:
Set "Payment mode 1" as "Check", the operation is as follows:
Press [MENU ZERO]+ [4] + [SUBTOTAL] + [10] + [SUBTOTAL] + [SUBTOTAL] + Check + [SUBTOTAL] + [SUBTOTAL] + [CASH]

Keyboard Programming

Redefine the entire keyboard or some of the keys on the cash register, to set the pattern desired by the user in order to facilitate user operations.
The user can customize the entire keyboard. Each key has two defined values:

- Key definition value：Press the corresponding key you want to define.

The programming steps are as follows：
1) Press [MENU ZERO] + [4] + [SUBTOTAL] + [11] + [SUBTOTAL] to enter the key custom input state. According to the input operation of the corresponding button which need to customize to enter the operation;
2) Press the [SUBTOTAL] directly to program;
3) Enter the first function definition value, press [SUBTOTAL] to confirm.
4) Enter the second function definition value, press [SUBTOTAL] to confirm and return to the keyboard definition programming page;
5) Press [CASH] to exit keyboard programming status; press [RECEIPT ON / OFF] key to print keyboard programming data.

Example:
Change the first function "DEPT 12" of the key [2] to "TASTE", the second function remains unchanged. The operation is as follows：
Press [MENU ZERO] + [4] + [SUBTOTAL] + [11] + [SUBTOTAL] + [2] + [↑ MUL] or [↓ PRICE] to choose "TASTE" + [SUBTOTAL] + [CASH]

Function Programming

Set the internal parameters of the cash register, such as communication mode, printing method.
Up to 21 function parameters can be edited. Please refer to Appendix A for the definition of parameters. Function parameter value: 4 digits;

The programming steps are as follows：
1) Press [MENU ZERO] + [4] + [SUBTOTAL] + [12] + [SUBTOTAL] to enter the function parameter;
2) Press [SUBTOTAL] directly to enter 1 # function parameter programming; or
3) Enter the sequence number, press [SUBTOTAL] to enter the corresponding function parameter;
4) According to the display prompt, enter the relevant parameter value, press [SUBTOTAL] to confirm;
5) Repeat 4) until 21 function parameters have been programmed;
6) Press [CASH] to exit function parameter programming status; press [SUBTOTAL] and then press [RECEIPT ON / OFF] button to print function parameter programming data;

Appendix A: Function Parameter Definition List

Serial Number	Name / Default Setting	Parameter Explanation
1	ComuAddr 0001	Communication Address. Set up machine number. 0001 represents machine number as 1.
2	ComuSped 9600	Communication Speed It's optional. 9600 - Slow (9600bps); 1920 - Middle (19200bps); 3840 - Fast (38400bps); 1152 - Maximum (115200bps)
3	Bill No. 0001	Set up bill number. 0001 represents bill No. 1.
4	RefuPass 000000	Enter a 6-digits password for PLU refund operation during sales. Default password for refund operation is 000000.
5	ManaPass 000000	Enter a 6-digits password as manager password. Use this password to login **Report Bill**, **Program** Default password for manager is 000000.
6	PrinPara 0020	A: 1- Forbid Print
		B: 1- Allow No Paper
		C: 0-9, line space
		D: 0-6, Print Density
7	Bill Form 0300	A: 0-Forbid to print header in advance 1- Print Head in advance
		B: 0-9 Bill Space
		C: 0- Normal 1-WateWidt 2-High 3-All; (fro serial No.)
		D: 0-Widt 1-NameWidt 2-High 3-All ;
8	Sale Para 0000	A: 1-Print SPLU Code
		B: 0- Allow Price Input 1- Forbid Price Input
		C: 1-SubTot Cash VATs
		D: 1-9, Auto VATs
9	Sale Para 0015	A: 1-Window Print
		B: Single Print
		C: 1-Manual Copy Receipt 2-Auto Copy Receipt
		D: 1-9, Copy Bills (qty of copied bills)
10	Sale Para 1020	A: 1- Auto Clear Half Record (when sales records are full)
		B: 1- Allow Stock & Warning
		C: 0-4, Qty Digit
		D: 0-4, Cash Digit
11	Disc Para 0000	AB: Maximum Discount Rate
		CD: Default Discount Rate
12	Serv Para 0000	AB: Maximum Service Rate
		CD: Default Service Rate

13	Wipe Zero 1022	A: 1- Allow Auto WipeZero
		B: 1- Forbid Print WipeZero
		C: 1- Tencent 2- Cent Wipe
		D: 1- GiveUp; 2- 4GiveUp,5Add; 3-Adds; 4-2 GiveUp,8 Add; 5- 0.5Add
14	VIPsPara 1110	A: 1- Allow Auto Discount
		B: Integration Mode : 1-1 consumption for 1 point; 2- 2 for 1 point; 3- 5 for 1 point, 4- 10 for 1 point;
		C: 1- Allow StoreCash Card (to pay for the bill)
		D: 0- CodeFind 1- SeriFind
15	Barc Code 0000	A: 1- Qty. Code; 2- Cash Code; 3- Qty. Elec; 4- CashElec
		B: 0-4, Cash Digit
		CD: 2 Barcode Header
16	Out Print 0000	A: 1- Out Print1; 2- Out Print2; 3- Out Print3 4- Label
		B: 0- 57 /30*20; 1- 80 / 40*30mm
		C: 0-4, Cutter Mode
		D: 0- Copy (billing receipt) ; 1- Kitchen (kitchen receipt) ; 2 - Windows; 3- Sing (print out kitchen receipt separately)
17	OPrtBill 0000	A: Header Space Line
		B: Footer Space Line
		C: Line Space
		D: 1- NameWidt; 2- High; 3- All
18	OutDevic 0000	A: 1- USB Host; 2- USB Commu; 3- PS2 Keyb; 4- PS2 Barcod
		B: 1- Close Voice
		C: Reserved
		D: 1- Forbid Report View
19	Rept Para 0110	A: 1- Report SPLU Code
		B: 1- Print Stock & Profit
		C: 1- Auto Clear E-diary No.
		D: 1- Auto Clear Report No.
20	Rept Comb 7000	A: 1- Finance Report; 2- DEPT Report; 4- SPLU Report
		B: 1- Cashier Report; 2- Seller Report; 4- Hour Report
		C: 1- Suit Report; 2- Sign Report; 4- VIPs Report
		D: 1- Table Report ; 2- Refund Report; 4- Record
21	Comm Pass 000000	Set password for network communication. 6 digits The default password is 000000.

Date Programming

Set the system clock for sales, reporting statistics and printing.
Time / Date has two properties：

- Date (year / month / day): 8 digits;
- Time (hour / minute / second): 6 digits;

The programming steps are as follows：

1) Press[MENU ZERO]+[4]+[SUBTOTAL]+[13]+[SUBTOTAL]to enter the Time/Date programming;

2) Enter "year / month / day / hour / minute / second", press [SUBTOTAL] to confirm;

Note: The following conditions must be met when entering "year / month / day / minute /second"：

The date and time must be greater than：2001/01/01 00/00/00;

The date and time must be less than：2999/12/31 23/59/59;

Example:
Set the current date and time for May 25, 2022, 11: 32: 10:
Press [MENU ZERO] + [4] + [SUBTOTAL] + [13] + [SUBTOTAL] + "20220525+ [SUBTOTAL] + "113210" + [SUBTOTAL] + [CASH]

Outprint Bill Programming

When connecting an external printer to the cash register, program the header and tail of the external printer receipt.
There are 8 lines of external receipts head and tail (4 lines of receipt head, 4 lines of receipt tail), each line has 2 attributes：

- Name：42 characters / 21 Chinese characters;
- Attribute：4 digits, defined as follows:

A：0=Forbid; 1=Head; 2=Tail;
B：0=Text; 1=Graphics Mode;
C：0=Left; 1=Middle Align;
D：0=Normal; 1=width; 2=High; 3=Full Zoom

Setting steps are as follows:

1) Press [MENU ZERO] + [4] + [SUBTOTAL] + [14] + [SUBTOTAL] to enter external receipt programming;

2) Press [SUBTOTAL] directly to enter the first line of programming.
Or enter the sequence number, press [SUBTOTAL] to enter the corresponding line programming;

3) Enter the name, press [SUBTOTAL] to confirm;

4) Enter the property, press [SUBTOTAL] to confirm, enter the second line name programming;

5) Repeat 3), 4) until the 8-line outprint bill programming is completed;

6) Press [CASH] to exit the programming status;

Note: If the property is set to 0000 (not print), then automatically enter the next line programming (refer to the bill programming).

VIPs Programming

Set the name of the customer member.
The cash register distinguish members with the serial number and Name.
Up to 1000 member. Each member has 6 attributes. The definition are as follows：

- Name: 20 characters;
- Code: Member system code;
- Telp: Member phone number;
- Attribute: Not defined;
- Discount: Discount rate for member sales;
- Recd: Member points after spending;
- Cash: Remaining amount in member's account.

The programming steps are as follows:

1) Press [MENU ZERO] + [4] + [SUBTOTAL] + [15] + [SUBTOTAL] to enter the member programming ;
2) Enter the code, press [SUBTOTAL] to confirm;
3) Enter the member name, press [SUBTOTAL] to confirm；(If no changing, press [SUBTOTAL] to skip);
4) Input member customer code, press [SUBTOTAL] to confirm,;
5) Enter the member phone number, press [SUBTOTAL] to confirm;
6) Enter the property programming (property undefined, press [SUBTOTAL] to skip);
7) Enter the appropriate discount rate, press [SUBTOTAL] to confirm;
8) Enter the member points, press [SUBTOTAL] to subtract the corresponding points (for points exchange), or press [CLEAR], enter the corresponding points;
9) Enter the amount of the stored value, press [SUBTOTAL] to increase the amount (for member recharge), or press [CLEAR], enter the corresponding amount;
10) Press [CASH] key to exit the member programming state; press [SUBTOTAL] and then press [RECEIPT ON/OFF] key to print the member programming data;

Example:
The "member 1" name is set to "Zhang Jing" operation is as follows:
Press [MENU ZERO] + [4] + [SUBTOTAL] + [15] + [SUBTOTAL] + [SUBTOTAL] + Zhang Jing + [SUBTOTAL] + [CASH]

DPLU Programming

DPLU refers to the department as a PLU for sales. In DPLU program, user can edit code, name, price, VIP price, purchase price, inventory, alarm of PLU inventory;

- Code: The code is the only sign of the DPLU in the cash register, and the different DPLU have different codes(Or barcode), up to 13 digits;
- DEPTNumb: The department value to which DPLU belong;
- Name: DPLU name, up to 20 characters;
- Price: DPLU sales price, 8 digits (including 2 decimal);
- VPrice: VIP price, 8 digits (including 2 decimal places);
- Purch: DPLU purchase price, 8 digits (including 2 decimal);
- Stock: the inventory for DPLU, 10 digits (including 2 decimal places);
- Warn: DPLU inventory alarm, 10 digits (including 2 decimal places);

Program DPLU information as the followings:
1) Press [MENU ZERO] key to enter the system main menu;
2) Press [4] + [SUBTOTAL] to enter "Program";
3) Press [16] + [SUBTOTAL] to enter the PLU programming state;
4) Enter the DPLU code, press [SUBTOTAL] to confirm;
5) Enter the name, press [SUBTOTAL] to confirm;
6) Enter the department attribute, input department number, press [SUB] to confirm
7) Enter the unit price, press [SUBTOTAL] to confirm;
8) Enter the VIP price, press [SUBTOTAL] to confirm,
9) Enter the purchase price, press [SUBTOTAL] to confirm;
10) Enter the number of stocks, press [SUBTOTAL] to confirm;
11) Enter the number of warn, press [SUBTOTAL] to confirm;
12) Repeat 2) ~ 11) until the DPLUs are programmed;
13) Press [CASH] to exit the PLU programming state; press [SUBTOTAL] and then press [RECEIPT ON/OFF] key to print PLU programming data;

Note: Input DPLU code in DPLU Programming state, then press [VOID] button to delete the DPLU.

Example:
Set DPLU code "9", name "Pie Apple", belongs to department “Pie Apple”(department 9), unit price 10, member price 8.5, purchase price 5, inventory 50, alarm memory 5, the operation is as follows：
Press [MENU ZERO] + [4] + [SUBTOTAL] + [16] + [SUBTOTAL] + [9] + [SUBTOTAL] + Pie Apple + [SUBTOTAL] + [9] + [SUBTOTAL] + [10] + [SUBTOTAL] + [8.5] + [SUBTOTAL] + [5] + [SUBTOTAL] + [50] + [SUBTOTAL] + [5] + [SUBTOTAL] + [CASH].

Window Programming

Window programming is used to set window name. When user connect external printer and set receipt printing mode as ‘Window’, use this programming to edit name for each ‘Window’.

Note, in department setting, user can select window No. for department. Window No. refers to the No. of printer. So when printing receipt, each SPLU will be printed out from the corresponding window.

Please do the setting as follows;

1) Press [MENU ZERO] key to enter main menu;
2) Press [4] + [SUBTOTAL] to enter program interface;
3) Press [17] + [SUBTOTAL] to enter sale name programming interface;
4) Input parameter number and press [SUBTOTAL] key to enter the corresponding window name setting, or press [SUBTOTAL] key directly to enter the 1# window name setting;
5) Input window name directly and press [SUBTOTAL] to confirm;
6) Repeat 5) till all 5 sale name programming are finished;
7) Press [RECEIPT ON/OFF] key to print out all 9 window names data;
8) Press [CASH] key to exit sale name programming.

Example:
Change “window 1” to “front desk” in receipt printing.
The setting is as follows;
Press [MENU ZERO] + [4] + [17] + [SUBTOTAL] +[SUBTOTAL] + front desk + [SUBTOTAL] + [CASH].

Sale Name Programming

Set name for Discount, Coupon, Service, Premium, WipeZero to be printed in receipt.
Please do the setting as follows.

9) Press [MENU ZERO] key to enter main menu;

10) Press [4] + [SUBTOTAL] to enter program interface;

11) Press [18] + [SUBTOTAL] to enter sale name programming interface;

12) Input parameter number and press [SUBTOTAL] key to enter the corresponding sale name setting, or press [SUBTOTAL] key directly to enter the 1# sale name setting;

13) Input sale name directly and press [SUBTOTAL] to confirm;

14) Repeat 5) till all 5 sale name programming are finished;

15) Press [RECEIPT ON/OFF] key to print out all 5 sale names data;

16) Press [CASH] key to exit sale name programming.

Example:
Change “Discount” to “Dic” in receipt printing.
The setting is as follows;
Press [MENU ZERO] + [4] + [18] + [SUBTOTAL] + Dic + [SUBTOTAL] + [CASH]

VATs Item Programming

Up to 9 kinds of tax.
Each tax has 3 attributes:

- Name: Tax detail print name. Up to 20 characters.
- Attr: Tax attribute.
  A: 1- Allow Combined VATs
  B: 1- Allow Print VATs; 0= Forbid print VATs;
  C: 0- Manual VATs; 1= Auto VATs
  D: 0- Contain; 1= No Contain VAT
- VATs Rate: Sale tax rate sharp. Input 20 means tax rate is 20%.

The programming setting steps are as follows:

1) Press [MENU ZERO] + [4] + [SUBTOTAL] + [19] + [SUBTOTAL] to enter tax programming states;

2) Enter the sequence number, press [SUBTOTAL] to confirm, then enter the corresponding tax programming;

3) Enter the name and press [SUBTOTAL] to confirm;

4) Enter the attributes, press [SUBTOTAL] to confirm;

5) Enter tax rate, press [SUBTOTAL] to confirm. Enter to the next tax programming;

6) Repeat 3) ~ 5), until the 9 kinds of tax programming are finished;

7) Press [RECEIPT ON/OFF] to print out tax programming data. Press [CASH] to exit state.

Example:
Set ‘tax 1’ as ‘VAT’, tax rate 5%, and attribute of it is 0111, please follow steps as follows;
Press [MENU ZERO] + [4] + [SUBTOTAL] + [19] + [SUBTOTAL] + [SUBTOTAL] + VAT + [SUBTOTAL] + 0111 + [SUBTOTAL] + [5] + [SUBTOTAL] + [CASH].

Manual Tax Operation Process

1) Selling products when the cash register is in the state of sale of goods;
2) Enter the corresponding tax number + [VATsItem] + [SUBTOTAL] for manual tax operations;
3) Direct settlement, the bill will print the tax information;
Note: To select the corresponding key Customize as [VATsItem] key when manual tax operations

Automatic Tax Operation Process

1) The corresponding taxes in tax programming are set to automatic;
2) Enter the corresponding tax in the tax code (attribute No. 5) of the department programming;
3) Selling products when the cash register is in the state of sale of goods;
4) Direct settlement, the bill will print the tax information.

Clear System

Initializes the cash register memory and sets all programming parameters to the system defaults, such as cashier name defaults to Cashier 01-50;

Cash register initialization steps are as follows：

Press [MENU ZERO] + [4] + [SUBTOTAL] + [20] + [SUBTOTAL] + [↑ MUL] + [SUBTOTAL] to enter initialized cash register programming status;

Warning: This operation will restore cash registers to the factory settings, please be careful!

Reset Cash Register Operation

Power-Off if the normal sales operation is not settled or the printing operation is not completed, the power-off protection status will be activated when the cash register reboots, and the original sales or printing operation will continue. However, if the user resets the cash register operation, the cash register will return to the initial status, that is, the sales operation and the printing operation are aborted;

The operation steps are as follows:

1) Turn off the power, hold down the [CLEAR] button, turn on the power;
2) If you want to clear the sales records, press [↑ MUL] to select “Yes”;
   If you do not want to clear, select “No” instead;
   Press [SUBTOTAL] key to continue;
3) If you need to clear the function parameters, use [↑ MUL] to select “Yes”.
   If you don’t want to clear the function parameters, select “No” instead.
   Press [SUBTOTAL] key to confirm.

Note:

1. Clear the sales record operation will only clear the sales record, will not clear other program settings;
2. Clear function parameters, only clear the system settings which have been set;
3. In the boot process, you should hold down the [CLEAR] button and do not let it go;

System Information

Listed cash register hardware, software version and programming information that has been set.

The viewing steps are as follows：

Press [MENU ZERO] + [4] + [SUBTOTAL] + [21] + [SUBTOTAL] to enter system information view status.

Advanced System Programming

After system programming, cash registers will be able to fully meet the needs of users, in order to achieve maximum user cash machine availability, cash registers need advanced programming, and all programming operations will be introduced one by one.

Note: In this operation, the machine needs to be in “Advanced Settings" state.

System Backup

All the data in the cash register will be backed up, and when the data or other troubles occur, the backup data will be used to restore the data.
Note: Restart the cash register when resumed.

- One key backup, backup all data in the cash register;
- One key restore;

Backup and restore operations are as follows:

Backup

1) Press [MENU ZERO] + [5] + [SUBTOTAL] + [1] + [SUBTOTAL] to enter data backup and restore status;
2) Press [SUBTOTAL] to enter the backup; when the backup is completed press [CASH] for other operations;

Restore

1) Press [MENU ZERO] + [5] + [SUBTOTAL] + [1] + [SUBTOTAL] to enter data backup and restore status;
2) Enter [2] + [SUBTOTAL] to enter the restore; after the restore is complete, you need to restart the machine.

Note: To use the restore backup data, you must have the backup data first in the "data backup and restore" interface. The date and time are displayed behind the "Last Backup", that you can use one key restore.

Manager Report Operation Guide

Report Bill

Refer to "Z report", after printing the corresponding report, you can select the temporary report and clear report, then next sales data will be re-statistics.

There are 3 printing modes for each report;

- Swap Report Mode
- Month Report Mode (query report by month)
- Period Report Mode (query report by input period time)

Operation Step	Report Type
[1] + [SUBTOTAL]	DEPT Report
[2] + [SUBTOTAL]	SPLU Report
[3] + [SUBTOTAL]	Finance Report
[4] + [SUBTOTAL]	Cashier Report
[5] + [SUBTOTAL]	Seller Report
[6] + [SUBTOTAL]	Table Report
[7] + [SUBTOTAL]	Suit Report
[8] + [SUBTOTAL]	Hour Report
[9] + [SUBTOTAL]	Sing Report
[10] + [SUBTOTAL]	Refund Report
[11] + [SUBTOTAL]	Sale Record
[12] + [SUBTOTAL]	Hold Report
[13] + [SUBTOTAL]	VIPs Report
[14] + [SUBTOTAL]	Combined Report
[15] + [SUBTOTAL]	Clear Report

DEPT Report

Record all departments' specific sales.
The operation steps are as follows:
Press [MENU ZERO] + [3] + [SUBTOTAL] + [1] + [SUBTOTAL] to print Z- Dept report.

SPLU Report

Record all PLUs' specific sales.
The operation steps are as follows:
Press [MENU ZERO] + [3] + [SUBTOTAL] + [2] + [SUBTOTAL] to print Z-SPLU report.

Finance Report

Record the sales period of specific sales.
Financial report can be divided into three categories:

- Non-PLU sales (such as discount, wipe zero);
- Sales settlement types (such as cash, foreign exchange);
- Overall sales;

There are 19 items listed in finance report:
Sales start date, discount, preferential, number of people, service fee, surcharge, wiping zero, return, cancel, cash in, cash out, cash, credit card, sign bill, other methods of settlement (8 kinds), open the cash box number, turnover, tax.

Note: The calculation formula of financial report:
Total amount = DEPT sales + PLU sales
Turnover = amount total – discount/deal + wipe zero + additional Or = various billing methods

The operation steps are as follows:
Press [MENU ZERO] + [3] + [SUBTOTAL] + [3] + [SUBTOTAL] to print Z-finance report.

Cashier Report

Record sales of each cashier sales period;
The operation steps are as follows:
Press [MENU ZERO] + [3] + [SUBTOTAL] + [4] + [SUBTOTAL] to print Z-Cashier Report.

Seller Report

Record the sales of each salesperson during business hours.
The operation steps are as follows:
Press [MENU ZERO] + [3] + [SUBTOTAL] + [5] + [SUBTOTAL] to print Z - Seller Report.

Table Report

Record the sales of all the tables;
The operation steps are as follows:
Press [MENU ZERO] + [3] + [SUBTOTAL] + [6] + [SUBTOTAL] to print Z- Table Report.

Suit Report

Record suits specific sales;
The operation steps are as follows:
Press [MENU ZERO] + [3] + [SUBTOTAL] + [7] + [SUBTOTAL] to print the Z - Suit Report.

Hour Report

Record sales hourly (24 hours total).
The operation steps are as follows:
Press [MENU ZERO] +[3] + [SUBTOTAL] + [8] + [SUBTOTAL] to print Z - Hour Report.

Sign Report

Record the sales of each sign-up customer.
You can input the serial number to print and clear the sales record of a single sign-up customer.
The operation steps are as follows:
Press [MENU ZERO] + [3] + [SUBTOTAL] + [9] + [SUBTOTAL] to print Z - Sign Report.

Refund Report

Record the return of goods.
The operation steps are as follows:
Press [MENU ZERO] + [3] + [SUBTOTAL] + [10] + [SUBTOTAL] to print the Z - Refund Record.

Sale Report

Record the sales of goods.
The operation steps are as follows:
Press [MENU ZERO] + [3] + [SUBTOTAL] + [11] + [SUBTOTAL] to print Z - Sale Record.

Hold Report

Record sales schedules for existing tables (not yet settled).
The hold list is arranged in accordance with the order of the table, a total of nine records:
Table name, product code (for PLU), product name, sales volume, sales unit price, sales amount, discount, service fee and total amount.
You can enter a table number to print and clear sales records for a table.
The operation steps are as follows:
Press [MENU ZERO] + [3] + [SUBTOTAL] + [12] + [SUBTOTAL] to print the Z - Hold Report.

VIPs Report

Record the specific sales of all members.
The operation steps are as follows:
Press [MENU ZERO] + [3] + [SUBTOTAL] + [13] + [SUBTOTAL] to print Z - VIPs Report.

Combined Report

Contains a variety of reports, which the system settings have been set to print the report.
The operation steps are as follows:
Press [MENU ZERO] + [3] + [SUBTOTAL] + [14] + [SUBTOTAL] to print Z - Combined Report.

Clear Report

Clear all the reports in the cash register;
The operation steps are as follows:
Press [MENU ZERO] + [3] + [SUBTOTAL] + [15] + [SUBTOTAL] to clear (Clear swap report, half sale record and all sale record).

Cashier Report Operation Guide

Referred to "X Report".
Just print the corresponding report, without clearing the report data. The next sales continue to accumulate statistics;
Note: Please enter [RptView] (report view) to do this operation.

Operation Step	Report Type
[1] + [SUBTOTAL]	DEPT Report
[2] + [SUBTOTAL]	SPLU Report
[3] + [SUBTOTAL]	Finance Report
[4] + [SUBTOTAL]	Cashier Report
[5] + [SUBTOTAL]	Seller Report
[6] + [SUBTOTAL]	Table Report
[7] + [SUBTOTAL]	Suit Report
[8] + [SUBTOTAL]	Hour Report
[9] + [SUBTOTAL]	Sign Report
[10] + [SUBTOTAL]	Refund Report
[11] + [SUBTOTAL]	Sale Record
[12] + [SUBTOTAL]	Hold Report
[13] + [SUBTOTAL]	VIPs Report
[14] + [SUBTOTAL]	Combined Report

The operation method is the same as the operation of the manager report. Please refer to the operation of the corresponding manager report.

Sales Operation Guide

Refers to the process of PLU sales.
Cash registers will automatically record all the transaction data provided to the user for analysis.

Note:
Please enter sales interface first before doing this operation.
Display time status that the cash register can enter the sales state.
If the screen displays "please enter password", enter the cashier password to login sales interface.

Sales operations can be divided into 3 parts：

1. **Sales Pretreatment Operation**
Cashier login
Seller login
Open the cash box operation
Open / Close built-in printer
Duplicate sales receipt
Cash in operation
Cash out operation

2. PLU Sales Operation	
DEPT sales	Temporary price sales
PLU sales	PLU discount operation
Suit sales	Additional service charge operation
VIP sales	Cancel operation
Print the taste operation	Refund operation
Print number of people operation	Table sales
Print number operation	Table hold operation
Multiple PLU sales	Change table operation

3. **Sales payment method Operation**
Preferential operation
Surcharge operation
Wipe zero operation
Cash settlement
Sign-up customer settlement
Other settlement operation
Foreign exchange settlement

Cashier Login and Exit Operation

Refers to change the current cashier, new sales data will be recorded in the new cashier, until the exit.
A maximum of 50 cashiers can be set up.
Each cashier can set an independent password (The cashier password cannot be repeated).

The operation steps are as follows:

1) Cashier login operation:

In the initial sales status (cash register display time status), press the [CLERK] key, the screen displays password input blank space, then enter cashier's password + [SUBTOTAL].

- If the password is correct, the display will show the corresponding cashier name.

Press [SUBTOTAL] again, and the display shows time status. Then cashier can continue sales operation.

- If the password is wrong, then the cash register will display an error message.

Clear it and then enter the correct password.

2) Cashier exit operation:

After sales, press the [CLERK] key to log out.

Seller Login Operation

Refers to change the current seller, the new sales data will be recorded in the new seller, until the next salesperson login;
Up to 100 sellers can be set. Cash register distinguish seller base on sequence numbers.

The operation steps are as follows:

In the initial sales status (cash register display time status), enter seller sequence number + [CLERK] key.
The seller is the corresponding sequence number of seller.

Open Cash Drawer When Not In Sale Status

When user opens the cash drawer manually, cashier will record every operation, and it will be reflected in the finance report [open cash box number] item.
If in the normal sales operations and settlement process, the cash box will open automatically, but this will not record in the finance report.

The operation steps are as follows:
In the sales status (cash register display time status), press [Shift] + [CASH] to open the cash drawer.

Printer On/Off Operation

Turn off the printer operation means to close the cash register built-in printer when the user does not need to print the sales receipt. The other operations are unchanged.
Turn on operation means open allow printing function in cash register built-in printer.

The operation steps are as follows:
In the sales status (cash register display time status), press [Shift] + [RECEIPT ON/OFF] to close.
Note: Cash register is allowed to print the receipt when first open.

Duplicate Sales Receipt Operation

Duplicate print the last sales receipt, and there is a "Bill Copy" printed on the receipt to distinguish from the normal sales receipt.

The operation steps are as follows:
In the sales status (cash register display time status), press [RECEIPT ON/OFF] to duplicate and print the last sales receipt.

Cash In Operation

“Cash In” refers to the operation Users put the cash into the cash drawer when cashier is not doing sales. The amount of “Cash In” is reflected in the "CASH IN" item in the finance report.

The operation steps are as follows:
In the sales status (cash register display time status), input cash-in amount + [SHIFT] +[CASHIN] Key.

Cash Out Operation

“Cash Out” refers to user take out the cash from the cash drawer directly when cashier is not doing sales. The amount of “Cash Out” is reflected in the "CASH OUT" item in the finance report.

The operation steps are as follows:
In the sales status (cash register display time status), input cash-out amount and press [CASHOUT] key.

DEPT Sales Operation

Use DEPT keys for sales operations directly, can be used in conjunction with multiple sales, temporary price sales, discount and service fee operations, but DEPT sales has no stock record function.

The operation steps are as follows:
1) If the department programming does not set the unit price, the temporary price must be entered at the time during sale. If the unit price has been set, this step can be omitted;
2) For basic DEPT sales, directly press the "DEPT". If the cash register has custom key, according to the custom DEPT key to sell;
3) To expand DEPT sales, enter [SF] + “DEPT”, if the cash register has custom key, according to the custom expand DEPT key to sell.

Note:
1) In DEPT sales, zero price is allowed (such as gifts). But need to set DPLU default price to be zero first;
2) DEPT sales can use repeat sales function. (Press the same DEPT button repeatedly to repeat the same item.)

SPLU Sales Operation

Use PLU code for sales, can be used in conjunction with multiple sales, temporary price sales, discount and service fee operations. PLU sales have stock record function.

The operation steps are as follows:
1) If the PLU programming does not set the unit price, the temporary price must be entered at the time of sale. If the unit price has been set, this step can be omitted;
2) Press PLU Code +[PLU], then the user can sell PLUs;
3) If the customer uses barcode scanner for input, keyboard input can be omitted. The common barcode and the electronic barcode can be identified.

Note:
1) In PLU sales, can be sold with zero price (such as gifts). But need to set PLU default price ;
2) PLU information must be programmed before sales.

Suit Sales Operation

The operation steps are as follows:
Press "Suit Code" + [Suit], then the user can sell the Suit;

Note: There is no [Suit] key on the cash register keyboard, the user can customize the keyboard first to add this button, in order to achieve operation.

VIP Sales Operation

Input VIP information during sales, PLU(s) will be sold with VIP price (if cashier sets before sales), and VIP member can enjoy VIP discount (if cashier set VIP discount before sales) as well.
Furthermore, if there is enough balance amount in VIP account, VIP member can settle the bill with it.

The operation steps are as follows:
1) Enter sales interface (display shows time);
2) Input VIP code and press [VIPCARD] key;
3) Input PLU(s) for sales, do normal sales operation;
4) If bill is settled with cash, press [Cash] key to close the bill;
   If bill is settled with balance amount in VIP account, press [Card1] key to finish the bill.

Note: There is no [Card1] key in keyboard at default setting. Cashier needs to follow instruction of keyboard programming to set [Card1] key first.

Multiple Sales Operation

The operation refers to sell the same PLU more than 1 quantity at a time.

The operation steps are as follows:
Input quantity number, and press [↑MUL] button, that the user can sell multiple same items. The display will show the goods and quantity.

Temporary Price Sales

It refers to the do not use PLU default price for sales, but to input the temporary price instead.

The operation steps are as follows:
1) In the DEPT sales, enter the number directly + [↓PRICE] + department key to indicate the DEPT unit price.
For example, enter "100" + [DEPT 1] to indicate that the DEPT 1 unit price is 100.00.

2) In the PLU sales, enter Number + [[↓PRICE] key + PLU CODE, to indicate the PLU unit price.
For example, enter "50" + [[↓PRICE] key + PLU code 1 + [PLU PgDn] key, means No. 1 PLU unit price is 50.00 .

Note: Price [0] is not available for temporary price sales.

Product Discount Operation

Refer to the discount sales of PLU(s). It can be divided into single item discount and the overall discount.
Single item discount refers to discount sales for the current sales PLU.
The overall discount refers to discount sales for the whole order.

The operation steps are as follows:
1) Single item discount, enter PLU for sales and input "Discount Rate" (Omit this step if discount has already been set in Function Programming) + [-%] key, then this item will be individually discounted and the display will show the discount amount.
For example, press "DEPT 1" + [10] + [-%] key, means 10% off sales of DEPT 1.

2) Overall discount, enter PLUs for sale, and press [SUB] key, input discount rate, (Omitted if discount has already been set in Function Programming) +[-%] key, then will be overall discounted and the display will show the overall discount amount.

Note: If the attribute of a DEPT is set to forbid discount, this DEPT (or the PLU belonging to this DEPT) forbids discount sales.

Additional Service Charge Operation

Refers to the additional service charge for PLUs. It can be divided into single item additional service charge and the overall additional service charge.
Single item additional service charge refers to the additional service charge for the current sales item.
The additional overall charge refers to the additional service fee for all the whole order.

The operation steps are as follows:
1) Single item additional service charge, select PLU, then input the rate of service charge, (omitted it if service charge rate has already been set in Function Programming) and press [+%] key. Then this item will be additional service charged and the display will show the additional service charge amount.
For example, select "Goods" + [10] + [+%], then the goods subject to 10% additional service charge.

2) Overall additional service charge, select "Goods" + [SUBTOTAL], and input the rate of additional service charge (omitted it if additional service charge rate has already been set in Function Programming) + [+%] key, then will be additional overall service charged and the display will show the overall service charge amount.

Note: If the attribute of a DEPT is set to forbid additional service charge, this DEPT (or the PLU belonging to this DEPT) forbids additional service charge sales.

Cancel Operation

Refers to the operation of cancel the sale item. It can be divided into cancel single item and cancel overall items.
Single item cancel operation refers to cancel current sales item; overall items cancel operation refers to cancel all the sales items, and then the cash register return to the initial sales status. The operation steps are as follows:
1) Single item cancel operation, enter Goods + [VOID RF], the current sales item is canceled.
2) Overall items cancel operation, enter Goods + [SUBTOTAL] + [VOID RF], all the sales items are canceled.

Refund Operation

Refers to the operation that users refund the goods. Similar to normal sales operation.

The operation steps are as follows:
In the sales status (cash register display time status),
1) Press [Shift] + [RF] key first. If display password input blank space, need to enter the refund password before entering the refund status.
2) Input PLUs refund quantity and select the corresponding PLU(s). The operation of single item refund and multiple items refund refer to the goods sale operation;
3) Press [CASH] key, the cash register will exit the refund operation, back to normal sales status.

Table Operation

Table function is designed for the restaurant sales mode.
According to the table number for the division, it's convenient for users to manage table records.

The operation steps are as follows:
1) In the sales status (cash register display time status), enter Table No. + [TABLE HOLD] key to enter table sales;
2) If it is already in the table sales state, enter the new table number + [TABBLE HOLD], then it will automatically hold the current table and enter the new table sales;
3) The operation of table sales is the same as the normal sales operation.

Table Hold Operation

Refers to temporary hold the current sale of the table. When cashier returns to the initial sales state or enters other table sales, the table data which have been held is stored in memory, and it can be called out at the time of settlement.

The operation steps are as follows:
If it is already in table sales state, press [TABBLE HOLD] key to suspend the current table sales.

Restore Table Operation

Refers to restore the holding table, so that this table is in operation state, then you can continue the sell or settlement operation.

The operation steps are as follows:
Enter the holding table No. and press [TABLE HOLD] key to restore the table, that the cashier can use the temporary data of this table.

Note: Enter the hold table number + "Table", that the cashier can print the table detail list which have been consumed.

Change Table Operation

Refers to the user can combine a number of suspended stations into one open station record, so as to facilitate the overall settlement operation.

For example：Set the temporarily suspended station 1 and 2 , and merge them to station 2 .
Operation steps are as follows：

1) Input [1] + [TABLE HOLD], to transfer the sales records of the temporarily suspended station 1 into memory;

2) Input [2] + [MOVE], to merge the sales records of station 1 to station 2;

3) May continue to suspend, discount, service charge and settlement operations.

Note:
- The total number of sales items recorded during the turntable operation can not exceed 80 PLUs.
- There is no [Move] key in keyboard at default setting. Cashier needs to follow instruction of keyboard programming to set [Move] key first.

Operation of printing number of people

First enter the number of customers + [People] key, then operate as normal sales.

Note: There is no [People] key in the cash register factory setting, the user can customize the keyboard and add the key to print the number of people.

Print taste operation

First select the DPLU or SPLU to be sold, and then enter the corresponding taste number + [Taste] key.

Note: There is no [Taste] key in the cash register factory setting, the user can customize the keyboard and add the [Taste] key .

Preferential settlement operation

Refers to the operation for settlement using the coupon.
The settlement amount after operation = Total Amount - Preferential Amount

The steps are as follows:

1) Input discount amount and press [Coupon];
2) Press [CASH] or other settlement key to end the sale;

Note: Preferential operation is a settlement method. Once cashier take preferential operation, he can only continue to settle the bill. Then do next sell operations.

Surcharge settlement operation

Refers to the operation of increasing the sales amount.
The settlement amount after the operation = Total Amount + Surcharge Amount.

The operation steps are as follows：
Input the surcharge amount and press [Shift] + [Premium], then press [CASH] or other settlement key to end the sale.

Note：Surcharge operation is a settlement method. Once cashier take the operation, he can only continue to settle the bill, then he can can do new sell operations.
There is no [Premium] key in the cash register default setting, the cashier can customize the keyboard and add the [Premium] key.

Wipe zero settlement operation

Refers to the user do the sales data decimal places rounding operation.
Could be divided into automatic and manual.
Automatic wipe zero: When wipe zero control parameter (function parameter No. 13) is set to auto-wipe mode, cash register will automatically wipe the sales data before settlement.

- Manually Wipe Zero: When wipe zero control parameter (No. 13 function parameter) is set to manual wipe mode, press [ZERO] key before settlement, the cash register will round the sales data.
- Auto Wipe Zero: When set auto wipe zero (function parameter No. 13), after select payment to settle the bill, the cash register will automatically round the data.

There are 5 wipe zero modes:
- Give UP - Round down for all decimal values;
- 4 Give 5 Add - If decimal value is 0-4, round down; if decimal value is 5-9, round up;
- Adds - Round up for all decimal values;
- 2 Give Up 8 Add - If decimal value is 0-2, round down; if decimal value is 3-7, make it to be 5 instead; if decimal value is 8-9, round up;
- 0.5 Adds - Round up when decimal value is 0.5.

Cash settlement operation

Refers to the cashier to use [CASH] to settle the operation, the steps are as follows：
1) According to [CASH], all current sales data are settled in cash;
2) Input cash amount and press [CASH] , if the input amount is less than the settlement amount , other settlement methods must be used for settlement;
3) If the amount entered is greater than or equal to the settlement amount, the cash register displays and prints a change of zero and enters the change-to-zero display status;
4) Press [CASH] to exit the change display status.

Sign bill settlement operation

Refers to sign bill client use accounting method for operation of settlement.

Operation steps are as follows:
1) Input sign bill customer number and press [Sign], then the current residual amount is settled in the form of a signature;
2) Press [CASH] to exit the change display status.

Other settlement operations

Refers to the cashier uses other settlement methods to settle the operation, which could support 8 kinds of other settlement methods.

Operation are as follows:
1) Press "Payment 1 ~ 8", the current sales data are all settle by "Payment 1 ~ 8";
2) Input settlement amount and press ["Payment 1 ~ 8"].
If the input amount is less than the settlement amount , other settlement methods must be used for settlement;
3) If the input amount entered is greater than or equal to the settlement amount, the cash register displays and prints a change of zero and enters the change-to-zero display status;
4) Press [CASH] to exit the change display status;

Note: There is no [Payment 1~8] key in the cash register at default setting, the user can customize the keyboard and add other settlement operation.

Sales Shortcut Operation Guide

Refers to the ability to quickly switch to other functions during sales.
Enter sales interface (when in the display time state), press any number key, then press [VOID RF] key to enter the shortcut item.
The specific definition is as follows:

Number	Definition
1. Cashier Login	Used to switch the cashier.
2. Seller Login	Used to switch the seller.
3. Find Goods	Query PLU information in sales.
4. Input Qty.	Enter the number of PLU(s) sold.
5. Input Price	Enter the temporary price of the PLU.
6. Input Cash	Input the bill amount.
7. Bill Copy	Copy the last bill.
8. Outprint Bill	Print kitchen bill.
9. Pint On / Off	On / Off the printer.
10. Open Cashbox	Open the cashbox.
11. Cash In	Add the initial amount to the cashbox.
12. Cash Out	Reduce the amount of cash in the cashbox.
13. SPLU Sale	Single item sales.
14. DEPT Sale	Department PLU sales.
15. Suit Sale	Package PLU sales.
16. DPLU Sale	Single PLU sales.
17. Table Sale	Open table sales.
18. Refund Sale	Customer returns.
19. VIPs Sale	Sell with VIP price.
20. Payment Operation	Other settlement methods.
21. Discount Operation	PLU discount operation.
22. Coupon Operation	PLU preferential operation
23. Service Operation	Separate amount of discount PLUs.
24. Premium Operation	Charge a separate amount.
25. WipeZero Operation	Decimal number rounding.
26. Correction Operation	Cancel current PLU.
27. Cancel Operation	Cancel the whole order.
28. Taste Operation	Taste information display.
29. Table Hold	Temporarily hold the open table.
30. Table Restore	Open table recovery sales.
31. Table Move	Transfer table to another tables.
32. Input Code	Enter the code of sales PLU.
33. Input People	Enter the number of people for table.
34. VATs Item Operation	PLU tax options.
35. Sales Debug	PLU sales debugging.

External Device Connection

Before connect external device to ECR, please make sure connect to the correct port.



A: USB port
- connect to PC via USB port, for communication between ECR and PC.

B: B port
- for software upgrade connection.

C: COM port
- for external printer , barcode scanner, PC, weighing scale, swipe card reader connection.

D: Power port
- connect power cable to it.

External receipt printer connection

Example:
Connect external 80mm receipt printer to COM port for billing receipt copy, with paper cut command, please do the setting as follows:

1) Connect external printer to COM port;
2) Press [MENU ZERO] + [4] + [SUBTOTAL] + [12] + [SUBTOTAL] + [16] + [SUBTOTAL] + [1110] + [SUBTOTAL];
3) Press [CASH] to exist setting mode.
4)

External kitchen printer connection

Example:
Connect external 80mm kitchen printer to COM port for kitchen receipt printing, with paper cut command, please do the setting as follows:

1) Connect external printer to COM port;
2) Press [MENU ZERO] + [4] + [SUBTOTAL] + [12] + [SUBTOTAL] + [16] + [SUBTOTAL] + [1111] + [SUBTOTAL];
3) Press [CASH] to exist setting mode.