DB SCALE

DB-100

INTRODUCTION

Thank you for purchasing the DB-100 series label/receipt printing scale from SHANGHAI DIGITAL BALANCE ELECTRONIC CO., LTD
The DB-100 series has many features and design features that facilitate operation and increase customer satisfaction. We believe that all your needs will be fully met.
Please read and understand this manual. You can find many easy-to-use features and features through this manual.

SCALE FEATURE

- Maximum range: 6 kg / 15 kg / 30 kg;
- Store 8000 pieces of product information;
- Store 14 custom label formats;
- Product label/receipt can print product number, barcode, product name, unit price, weight, tare weight, quantity, total price, packaging date, packaging time, sales date, sales time, warranty date, 10-line character information, etc.
- A layer of 81 product shortcuts, a total of 243 product shortcuts on the third floor;
- Wired network interface;
- Quickly and easily replace labels/receipts with the detachable tray.

CATALOG

OPERATIONAL WARNING

⚠️ *Please follow the instructions below to operate the product to ensure product and personal safety.*

Before installation, it is important to check whether the power supply indicated by the brand name matches to ensure the normal operation of the machine.

Keep your fingers dry when inserting or removing the power Plug to avoid electric shock.

Sharing sockets with other high-power devices can cause large fluctuations. Make sure that one scale uses a matching power outlet.

Metal objects or liquids can cause fire or rust in the scale. Keep an appropriate distance from the scale to avoid damage.

Do not insert metal or flammable objects at the interface to avoid damage to the machine or fire.

Do not scratch or modify the power cord, bend excessively or place heavy objects on top to avoid fire or short circuit.

If the scale falls, please turn off the switch and power Plug immediately, suspend use, and contact the service personnel in time to avoid fire or electric shock.

When the scale emits smoke or strange smell, please stop using it immediately, turn off the switch and power supply, and contact the service personnel in time.

Immediately turn off the switch and Plug when metal fragments or liquids enter the interior, suspend use and contact service personnel to avoid fire or electric shock.

To avoid disconnection of the power cord or peeling of the cord when unPlugging the power cord, do not pull on the cord.
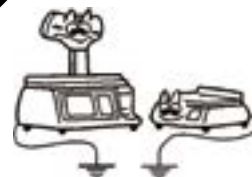
Make sure that the scale and extension cable are properly grounded, as this can cause external metal parts to be electrostatically charged to prevent fire or electric shock.

Do not remove, repair or modify the scale body, high-voltage, high-heat parts or internal edges to ensure personal safety.

⊕ PRECAUTIONS

Please follow the prompts to extend the life.

■ Please avoid placing the product in the following locations:
　　If the temperature is too high or too low, direct sunlight, wet place;
　　At the shared power supply, excessive vibration, dust, and moisture.

■ Do not press the button too hard, please touch the button.

■ Do not suddenly bump into the machine to avoid damaging the load cell.

■ Do not press the center of gravity on the weighing platform to avoid damage to the load cell.

■ To clean the weighing pan and keyboard, use a dry cloth and wipe with a detergent. Do not use thinner or other volatile solvents.

■ In order to ensure the normal use of the scale, before starting the operation every day, adjust the level and lock the foot nut, and place a known weight of the item on the weighing platform to check the weighing of the scale.

■ Do not place the instrument on an unstable or inclined surface to avoid dropping.

■ Use standard thermal paper to store thermal paper under direct sunlight, high temperatures, dust, or moisture.

■ When the mechanical equipment is moved to a higher temperature in a place with a lower temperature (such as a refrigerating room), because the temperature difference is large, the power supply cannot be turned on immediately to prevent the condensation of the water vapor and cause damage to the machine.

■ Keep one socket and one machine, avoiding high voltage or equipment that may cause power interference.

■ Thermal print head failure is not covered by the warranty. Please use and maintain the equipment properly according to the instructions or service personnel's recommendations.

■ Do not use the long-distance line of the power Plug of the scale. Be sure to keep it in the AC socket. Keep the hand dry when pulling the Plug. Excessive bending and pulling will damage the power cord and cause fire or electric shock.

*NOTICE

If you have any questions,
please contact your local
dealer or call:
　　　+86-21-5975-7333
Thank you.

1.1.1 ELECTRONIC SCALE SPECIFICATIONS

○ **Maximum range**　　　6 kg　　　15 kg　　　30k

○ **display resolution**　　1/3000 can be set to dual range (1/6000 or 1/7500)

○ **Peeling range**　　　0.001 ～ 2.999 kg
　　　　　　　　　　0.002 ～ 5.998 kg
　　　　　　　　　　0.005 ～ 9.995 kg

○ **Basic configuration**

Monitor	Double-sided LED
Display digits	Tare window 4 digits, weight window 5 digits, unit price window 7 digits, total price window 8 digits
Print head type	Thermal print head
Print width	56mm=448dot
Product shortcut	81 per floor, 243 of 3
Number of items	8000
Transaction Record	8000
Interface	Network cable interface, USB interface, cash register interface, serial interface

1.1.2 RECEIPT PAPER SPECIFICATION

Length (x) range: 25 mm≤x≤200 mm

Width (y) range: 25 mm≤y≤58 mm

Diameter (R) range: R≤80 mm

Default paper width: 56 mm
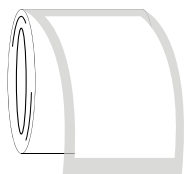
1.1.3 LABEL PAPER SPECIFICATION

Length (x) range: 25 mm≤x≤200 mm

Width (y) range: 25 mm≤y≤58 mm

Diameter (R) range: R≤100 mm

Default paper width: 60 mm
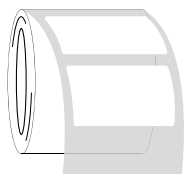
1.2.1 GLOBAL VIEW

■ Front view

360mm(14.2in)   541mm(21.2in)   360mm(14.2in)   541mm(21.2in)

391mm(15.4in)   391mm(15.4in)

■ Side view

276mm(10.9in)   541mm(21.2in)   541mm(21.2in)   276mm(10.9in)

439mm(17.3in)   439mm(17.3in)

■ Top view

360mm(14.2in)

276mm(10.9in)
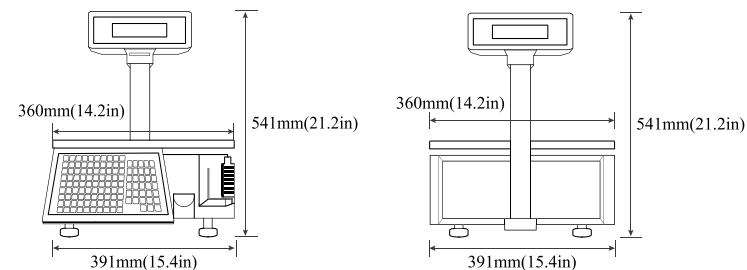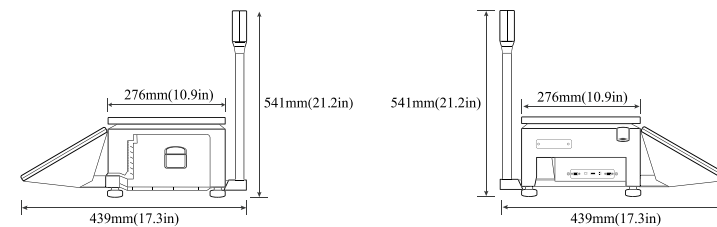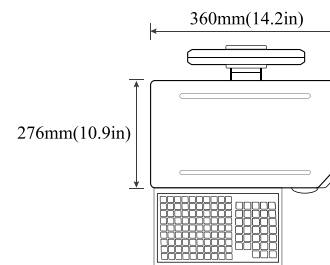
1.2.2 ROLL TRAY

■Front view
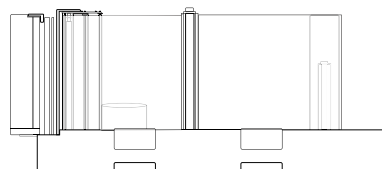
■Top view

1.2.3 INTERFACE

USB socket
Network cable jack

Cash register slot
Serial cable jack
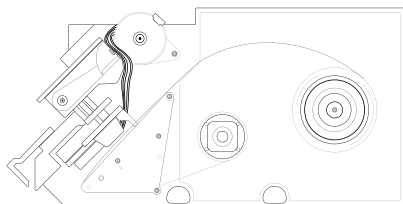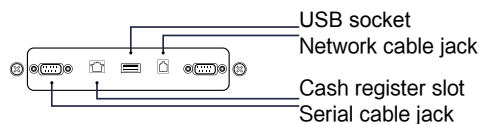
1.2.4 DISPLAY

■Main/sub screen
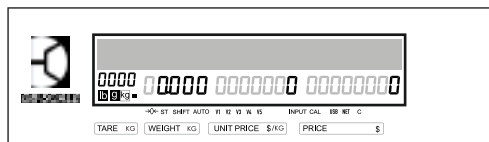
1.3.1 Function keyboard

■Shortcut keyboard
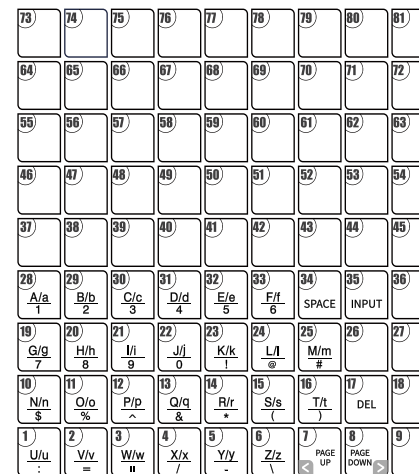
■Operating keyboard
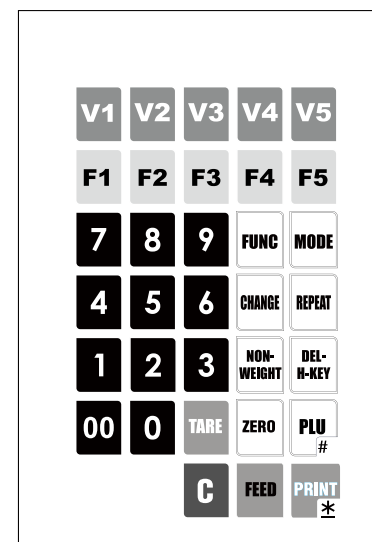
1.4 BASIC FUNCTION KEY

[0] - [9] Used to enter general numbers.

[F1] - [F5] Used to add items, text, and left panel shortcuts when editing.

[V1] - [V5] Used for accumulating multiple transactions.

[TARE] Used for peeling and restoring tare.

[C] Used to clear screen numbers or clear entire transactions.

[FUNC]

[MODE] Used to enter settings and edits.

[CHANGE] Used for subtotals and giving change.

[REPEAT] Used to change the number of copies.

[NON-WEIGHT] Used to operate the multiplier to weigh the item.

[DEL-N-KEY] Used to cancel a transaction.

[ZERO] Used to reset the value to zero.

[PLU] Used to retrieve goods.

[FEED] Used to test if the printer is working properly.

[PRINT] Used to save edits and exit.

[7 PAGE UP] [8 PAGE DOWN] Used to page up and down.

[17 DEL] Used to delete the wrong character entered.

[34 SPACE] Used to add spaces.

[35 INPUT] Used for switching between letters, symbols and Chinese location code Inputs.

[9] [18] [27] [36] Used to switch between letters, symbols and Chinese location code Inputs.
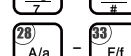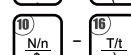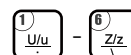
[1 U/u .] - [6 Z/z \]
[10 N/n $] - [16 T/t)]
[19 G/g 7] - [25 M/m #]
[28 A/a 1] - [33 F/f 6] Used to retrieve items, enter characters, symbols or numbers.

When setting the product shortcut key, the system default function shortcut key can be set to 81, and the third layer can be set, a total of 243 shortcut keys.

2.1 HORIZONTAL CALIBRATION

B a l a n c e instrument
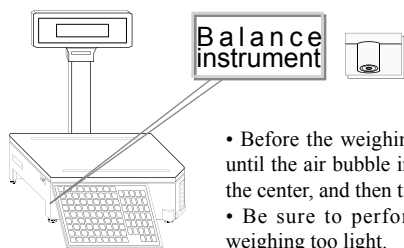
• Before the weighing operation, turn the nut on the foot until the air bubble in the horizontal instrument panel is at the center, and then tighten the nut.
• Be sure to perform horizontal calibration to avoid weighing too light.

◎Need to adjust the front feet.

◎Need to adjust the rear feet.

◉Need to adjust the right foot.

◎Need to adjust the left foot.

Feet
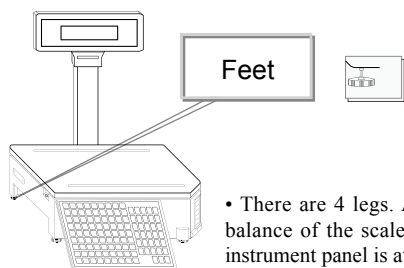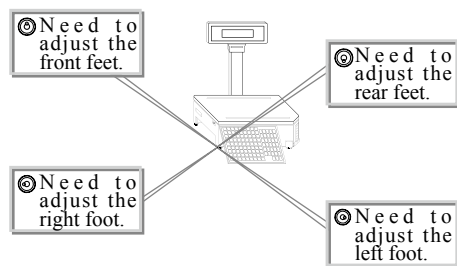
• There are 4 legs. Adjusting the height can control the balance of the scale. When the bubble in the horizontal instrument panel is at the center, the nut needs to be locked to achieve balance.

2.2.1 POLE MOUNTING

Required parts

■ Scale body, display pole, screw one.
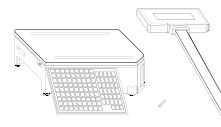
○ Put a pole cover according to the direction;
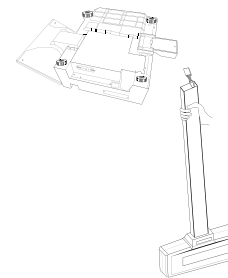
○ Connecting the display line and the antenna;
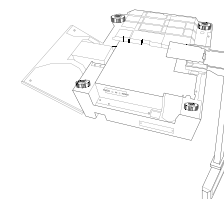
| 1 | 2 |
| 3 | 4 |

○ Fix the display rod and screw it on;
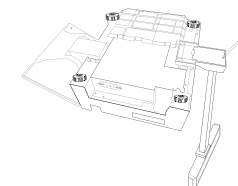
○ Installed.
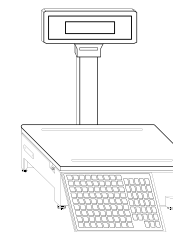
2.2.2 ROLL PAPER INSTALLATION
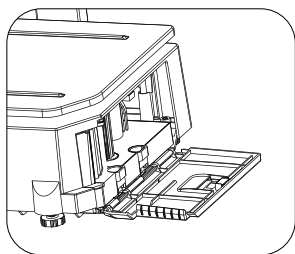
Open the roll tray door on the left side of the electronic scale;
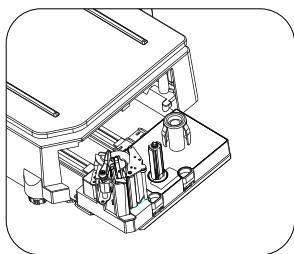
Fingers hold the two grooves and pull out the roll paper box;
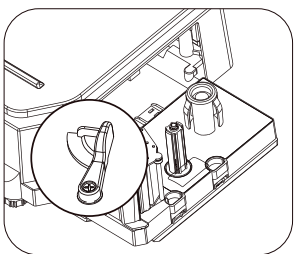
Hold the buckle and rotate it;
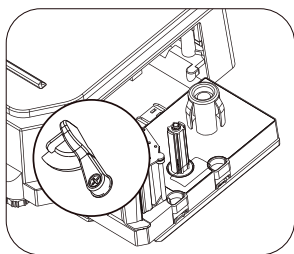
Rotate counterclockwise about 45 degrees;
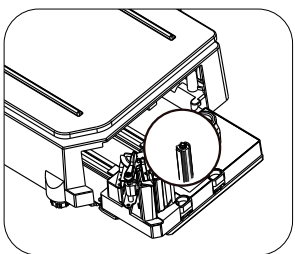
Clamp the white column at the beginning of the roll paper, and the roll paper portion is unfolded around the opening;
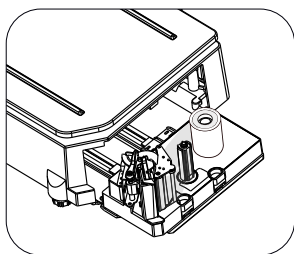
The label paper or receipt paper is placed on the right side of the cylinder, and the paper box is pushed into the machine to close the side door.

■ After the volume tray is installed, the hardware part is installed.
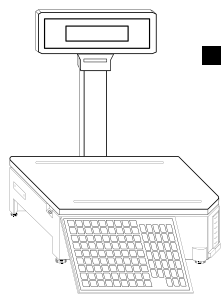
2.3.1 ON/OFF OPERATION

■ When the power is turned on, make sure that the power Plug is Plugged into an AC outlet; at the same time, make sure that the weighing platform has no other heavy objects.

■ The power supply is at the bottom, please turn it on or off according to the instruction plate.
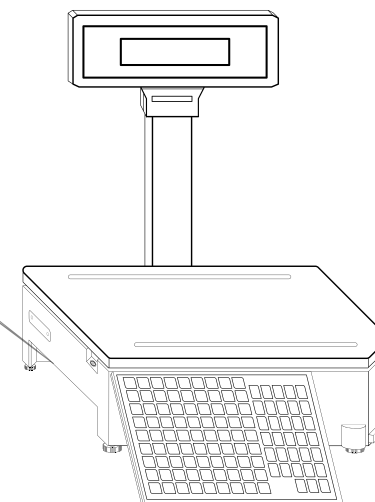
Open state, "O" raised, "-" recessed;

Closed state, "-" raised, "O" recessed.

2.3.2 BOOT MAP
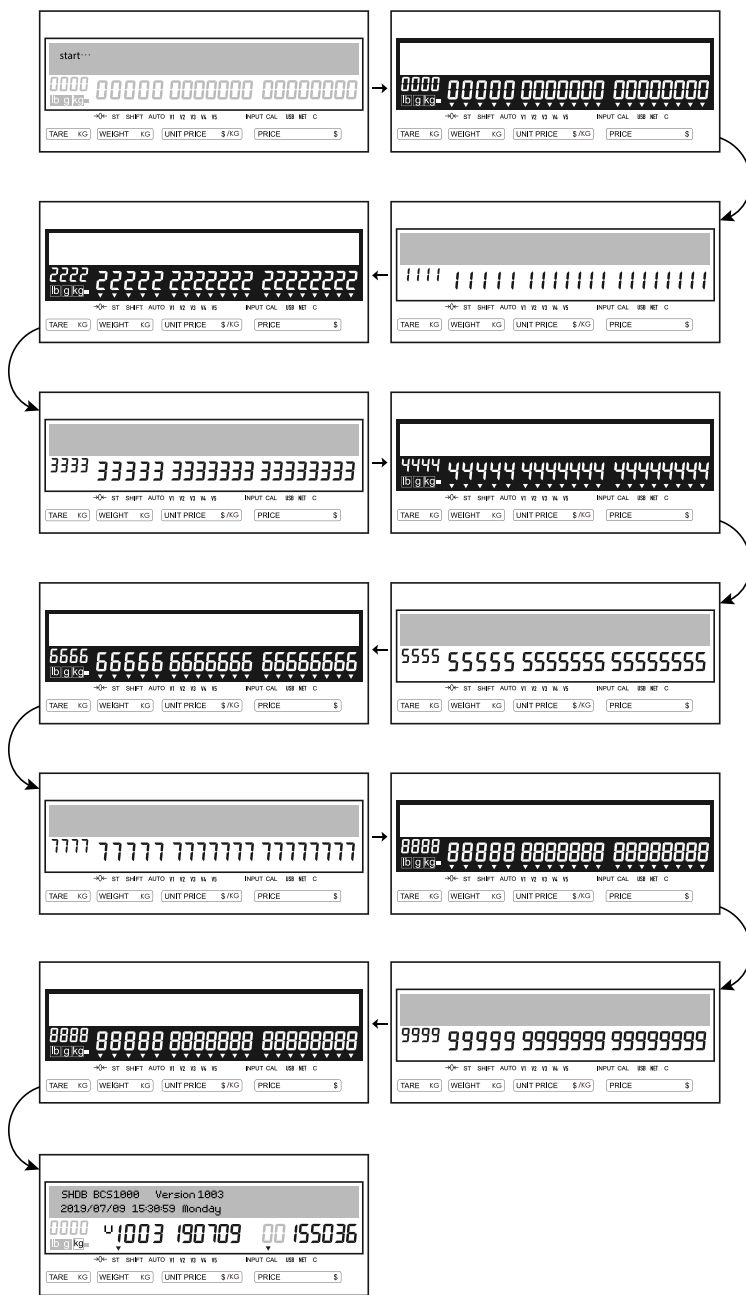
2.4 ZERO OPERATION

* Zero: Zero the value before starting weighing to reduce the weighing error, and click to zero when no weight is placed on the weighing pan.
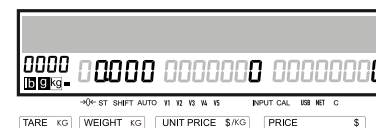
2.5 TARE OPERATION

* Tare: When the net weight of the product is required, the tare key can be used to remove excess weight.

Digital tare

■ If the tare weight is 10g,
Keyboard input 10,
Click the tare button;

■ Put the weight on the weighing object;

■ Click the tare button again to end the weighing.

Physical tare

■ The tare weight is unknown.
Put the tare container on the weighing platform,
Click the tare button to get the tare weight;

■ Put the item with the container;

■ Click the tare button again to end the weighing.
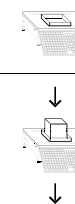
Preset tare Mode+150

■ Bring out tare goods
([Digital + project code key] /
shortcut key), such as the item
number is 1;

■ Put the corresponding items
on the weighing pan;

```
1 + Plu
```

↓

↓

■ Visible peeling weight.

```
0000 6.00 10 0000 300 0000 600 1
kg
ST SHFT AUTO  V1 V2 V3 V4 V5     INPUT CAL USB NET C
TARE  K    WEIGHT  KG    UNIT PRICE  $/KG    PRICE        $
```
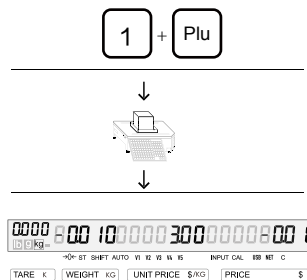
2.6 MODE SWITCHING

** The default Mode is the label scale. When changing the Mode, press and hold
the Mode button and enter the desired number.*

Scale Mode Mode+451

■ Long press the "Mode" button
and click the numeric keypad
"4" "5" "1";

```
Mode + 4  5  1
```

↓

■ The default display is "0",
which is the label scale;

```
451.Label/Cash Scale Switch
0:Label Scale;  1:Cash Scale
0000 0 74PE 0000000 00000000 0
kg
ST SHFT AUTO  V1 V2 V3 V4 V5   INPUT CAL USB NET C
TARE  KG   WEIGHT  KG    UNIT PRICE  $/KG    PRICE       $
```

↓

■ Click "C", the clear key, enter
"1" on the numeric keypad,
press "Print" to confirm, and
enter the cash register Mode.

```
C  1  Print
```
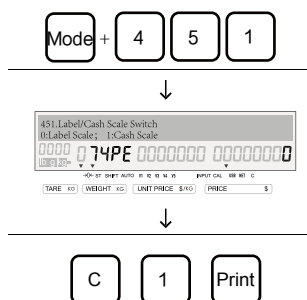
2.7.1 USE [PLU] TO RETRIEVE GOODS

* Items entered in the scale can be added by "Mode" + "1", "5" and "0".

Weighing goods

■ Place the corresponding
product on the weighing pan;

↓

■ Enter the corresponding
number on the numeric
keypad and click the "Plu"
button.
If number 1 is paper;

```
1 + Plu
```

↓

■ The total price can be seen
according to the content added
in "Mode" + "1", "5" and "0".

```
Paper
0000 0432 0000 100 0000 043
kg
ST SHFT AUTO  V1 V2 V3 V4 V5     INPUT CAL USB NET C
TARE  KG   WEIGHT  KG    UNIT PRICE  $/KG    PRICE       $
```
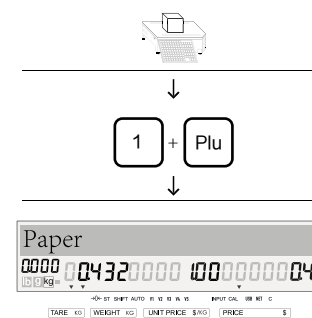
Non-weighing goods

■ Enter the corresponding
number directly on the
numeric keypad, and click the
"Plu" button, for example,
number 1 is the book;

```
1 + Plu
```

↓

```
1 + NON-WEIGHT
```

■ Click on the number of items,
such as a book, click on the
numeric keypad "1" "X";

↓

■ The total price is visible.

```
Book
0000 0000 100 2000 0000 2000
kg
ST SHFT AUTO  V1 V2 V3 V4 V5     INPUT CAL USB NET C
TARE  KG   WEIGHT  KG    UNIT PRICE  $/KG    PRICE       $
```

2.6 Mode switching

2.7 Weighing operation
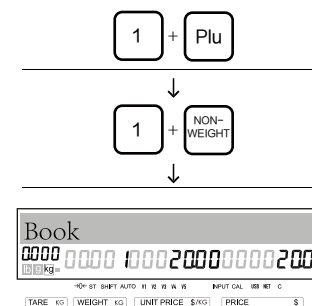
2.7.2 USE [SHORTCUT] TO RETRIEVE GOODS

* Product shortcuts can be added via "Mode" + "1", "5" and "2"; the shortcut keyboard can be set up to 3 layers, double-click or triple-click to get the second or third layer of quick items.

Weighing goods

■ Place the corresponding product on the weighing pan;

■ Click the product corresponding to the shortcut keyboard, such as 111 for Apple, that is, 1 layer "11";

■ The total price is visible.

Apple
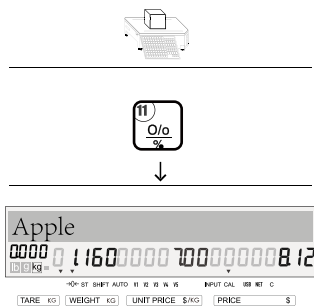
Non-weighing goods

■ Click on the product corresponding shortcut keyboard, such as 112 for mango, that is, "1" layer "12";

■ Click on the number of items, such as 4 mangoes, click the numeric keypad "4" "X";

■ The total price is visible.

Mango
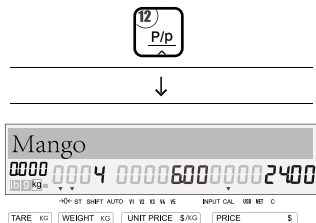
2.8.1 Accumulative operation

*H key and V key have the same function. A single accumulated key can hold up to 50 items, and the accumulated key can support up to 5 customers.

Receipt accumulation

■ If 1 is watermelon, "1" + "Plu" is called up,
Click the "H1" / "V1" button.
If 2 is a tomato, "2" + "Plu",
Click the "H1" / "V1" button,
For direct billing, click the "Print" button.

Watermelon

Tomato

H1   V1   Print
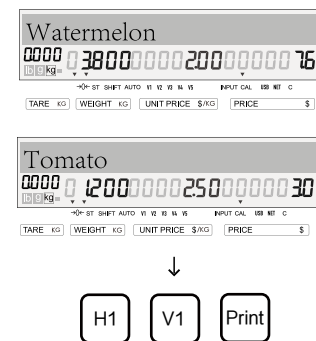
■ If you need to switch to a second customer,
If 3 is a grape, "3" + "Plu" is called up,
Click the "H2" / "V2" button,
If 4 is a cantaloupe, "4" + "Plu" is called,
Click the "H2" / "V2" button.

Grape

Cantaloupe

H2   V2

H1   Print

C
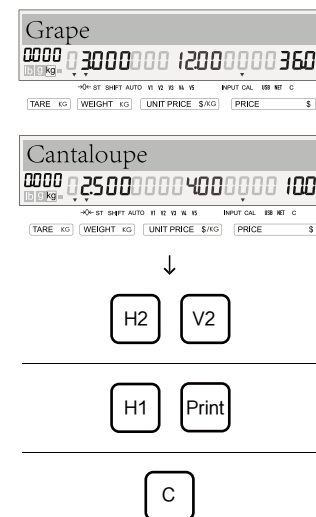
■ If the second customer accumulates, the first customer accumulates unsettled and needs to be settled.
Click the "H1" / "V1" button to switch to the first customer's product.
Click the "Print" button to settle directly.

■ If the product is incorrect, click the "C" button to clear all items.

2.8.2 CANCEL SINGLE ACCUMULATE

Cancel accumulation

■ If 1 is watermelon, "1" + "Plu" is called up,
Click the "H1" / "V1" button,
If 2 is a tomato, "2" + "Plu",
Click the "H1" / "V1" button,
For direct billing, click the "Print" button.

Watermelon
`0000 0 3800 0000 200 0000 760`

Tomato
`0000 0 1200 0000 250 0000 300`

↓

[H1] [V1] [Print]
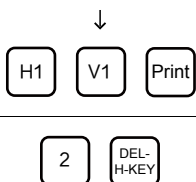
■ If the item is wrong, according to the accumulated number, such as the pending order 2, the second item,
Click "2" + "DEL-H-KEY" to cancel the item.

[2] [DEL-H-KEY]

2.8.3 SUBTOTAL CHANGE OPERATION

*H key and V key have the same function. A single accumulated key can hold up to 50 items, and the accumulated key can support up to 5 customers.

Cancel accumulation

■ If 1 is watermelon, "1" + "Plu" is called up,
Click the "H1" / "V1" button,
If 2 is a tomato, "2" + "Plu",
Click the "H1" / "V1" button;

Watermelon
`0000 0 3800 0000 200 0000 760`

Tomato
`0000 0 1200 0000 250 0000 300`

■ If you settle directly and pay cash,
Click the "Change" button.
If you pay 20, click the "Print" button to get the receipt.

Pay
`0000 0002 000 2000 0000 1060`

Change
`0000 0000 0 Change 0000 940`

[H1] [V1] [Change] [Print]

2.9 DISCOUNT OPERATION

* Set discount shortcut keys, you can set shortcut keys through "Mode" button + "1", "5", "3" / "1", "5", "4" / "1", "5", "5"; system default print button The code number is "10" / "11", "10" is the discounted discount specific amount, and "11" is the discounted discount rate.

Discount operation

■ If you use the "Mode" button + "1", "5", "3" to add shortcut keys;

153.Function Shortcut Edit; Input Shortc
F1 Add;F2 Delete;F3 Update
`0000 FUN-F 0000000 00000 109`

↓

153.Function Shortcut Edit; Function No.
Discount: Amount
`0000 000 07 0000000 000000 10`

153.Function Shortcut Edit; Function No.
Discount: Rate
`0000 000 07 0000000 000000 11`

[Print] [9]

■ After weighing, click the set shortcut key "109", that is, the first layer of the 9th key, then the 9th key is the shortcut key "discount (less discount price)";

■ After weighing, click the set shortcut key "109", that is, the first layer of the 9th key, then the 9th key is the shortcut key "discount (multiply discount rate)";

■ Click the "Print" button to save the function settings; click the "Print" button again to save the shortcut key;

Change discount Mode   Mode+302

■ Long press "Mode" + "3" "0" "2" If necessary, you can change the effective number of digits of the discount, click the "Page down" button to change the algorithm;

302.Discount Rate; Valid Digits
2
`0000 Pm807 0010007 00000002`

↓

302.Discount Rate; Algorithm
0:Direct Rate; 1:Deduction Rate
`0000 Pm807 020CAL 00000000`

■ Click the "C" button to clear the "1" (deduction ratio) of the original setting, and click the numeric keypad "0";

■ Click the "Print" button to save.

[Page down] [C] [Print]

3.1 VIEW ALL SETTINGS

3.1 View all settings

View settings Mode+ Tare

100.Sale Report	222.BCD font	354.Current txn. no.	511.Shortcut key set
101.Group sale report	223.BCD F1F2	356.Set receipt No.	512.Battery warning set
102.Plu Sale Report	224.Predefined barcode	400.Scale no.	513.LCD brightness set
120.Plu Label Sample	225.Barcode shift	401.Set WLAN IP ADRR.	514.Transaction Dot Matrix Display Mode
121.Print Plu List	240.Predefined label	402.WLAN SSID and Password	520.Idle set
150.Plu Edit	241.Label print Mode	403.WLAN IP Port and Timeout	530.EXT device function
151.Text Edit	242.Label item wrap	404.WLAN Network Data Version	533.COM port set
152.Plu shortcut edit	243.Label item full	405.Large File Segment Size	534.EXT USB Function Set
153.Function shortcut edit	260.Receipt print segment	406.WLAN Network Switch	540.USB Upgrade APP
154.F key function edit	261.Receipt default font	410.Network address	541.USB Export Transaction Record
155.H key function edit	300.Txn. valid Mode	411.IP port and timeout	542.USB Files Backup
156.Label X Coord. edit	301.Operation Mode	440.Network data version	543.USB Files Restore
160.Number Key Page-turning Function	302.Discount rate	441.Large file segment size(byte)	550.User format database
180.Plu edit display control	303.Min. valid wgt(g)	450.System time	551.User format system
190.Automactic Preset Key for PLU	304.Currency carry	451.Label/cash scale switch	552.Upgrade arena format
200.Print param. set	320.BCD scan	500.Authority level lift	553.Upgrade type
201.Print param. read	350.Database flag	501.User password set	590.System version
210.Copy and interval	351.Txn. data auto clear delete	502.User password reset	591.AD version and calibration times
220.Print Font	352.Txn. data manual delete	503.User Login Input Username and Password	592.Print version
221.BCD Usage	353.Database state	510.Digit key set	

3.2 System settings

3.2.1 SYSTEM TIME

system time Mode+ 450

When the scale is shipped from the factory, the time has been set. If necessary, it can be changed by "Mode" + "4", "5" and "0".

450.System Time; Date YYMMDD
190715
`716E  01 3at    190715`

450.System Time; Time hhmmss
92219
`716E  02 7iñ    092219`

3.2.2 THE INTERNET

3.2.2.1 Network address setting Mode+ 410

The IP address, subnet mask, and gateway can be modified as needed.

410.Network Address; IP
192=168=1=252
`IP  01 11r   68:1:252`

■ After long press "Mode" + "4", "1" and "0", if you need to modify, click "C" to clear,
Enter the corresponding network IP/subnet mask/gateway, and click the shortcut key "2" three times to get the equal sign.

410.Network Address; Subnet Mask
255=255=255=0
`IP  02 ñ5155:255:0`

410.Network Address; Gateway
255=255=1=1
`IP  03 Gñ  :255:1:1`

3.2.2.2 IP port number and timeout Mode+ 411

The IP port number defaults to 2000, and the TCP timeout (seconds) is generally 20.

411.IP Port and Timeout; Port
2000
`PߊE7  01 Prt   2000`

■ Press and hold "Mode" + "4", "1" and "1" to view the IP port number and TCP timeout time.
Click "C" to clear it as needed, and click "Print" to save.

411.IP Port and Timeout; TCP Timeout(s)
20
`PߊE7  02 7ߊt    20`

3.2.2.3 Network data version number Mode+ 440

The network data version number defaults to "20140101".

440.Network Data Version
20140101
`nñ  ºP    20140101`

■ Long press "Mode" + "4" "4" "0" to view the network data version number.
Click "C" to clear it as needed, and click "Print" to save.

3.2.2.4 LARGE FILE NETWORK SEGMENT LENGTH Mode+ 441

The large file network segment length defaults to 4096 bytes.

■ Long press "Mode" + "4" "4" "0" to view the length of the large file network segment.
Click "C" to clear it as needed, and click "Print" to save.

441.Large File Segment Size(byte)
4096
`5G 5J          4096`

3.2.2.5 SET WLAN IP ADDR. Mode+ 401

The wireless network IP address, subnet mask, and gateway can be modified as needed.

■ Long press the "Mode" button and click "4", "0" and "1" at the same time to enter the wireless network settings.
Click the clear key ("C") to modify the IP address, and ":" needs to double-click the No. 1 key of the shortcut keyboard three times.

401.Set WLAN IP ADDR.；Address
192:168:1:254
`IP 01 IP 68'.1'.254`

■ Click "Next Page" to view the subnet mask.

401.Set WLAN IP ADRR.；Subnet Mask
255:255:255:0
`IP 02 n5'.155'.255'.0`

■ Click "Next Page" to set the gateway. If you need to change it yourself, click the print button to save and exit.

401.Set WLAN IP ADRR.；Gateway
255:255:1:1
`IP 03 GG '.255'.1'.1`

3.2.2.6 WLAN SSID AND PASSSWORD Mode+ 402

Tap the shortcut keyboard once for capital letters;
Tap the shortcut keyboard twice for lowercase letters;
Click the right keyboard for numeric input.

■ Long press the "Mode" button and click "4", "0" and "2" at the same time to enter the wireless network connection settings.
Click the "C" key to clear the existing Wi-Fi name, and use the shortcut keyboard and numeric keyboard to enter the same Wi-Fi name.

402.WLAN SSID and Password；WiFi SSID
dbscale
`LINt 015 id -------`

■ Click "Next Page" to enter the Wi-Fi password, and click the "C" key to clear the existing Wi-Fi password.
Click the print button to save and exit.

402.WLAN SSID and Password; WiFi Password
2159757333
`LINt 02 P5d -------`

3.2.2.7 WLAN IP PORT AND TIMEOUT Mode+ 403

The default wireless network port number is 2000.

■ Long press the "mode" button and click "4", "0" and "3" to view the network ports.

403.WLAN IP Port and Timeout；Port
2000
`P0E7 01 Prt    2000`

■ Click "Next Page" to view the wireless network port and timeout settings.

403.WLAN IP Port and Timeout；TCP Timeout
20
`P0E7 02 70t      20`

3.2.2.8 WLAN NETWORK DATA VERSION Mode+ 404

The default version number of wireless network data is 20200520.

■ Long press the "mode" button and click "4", "0" and "4" to view the wireless network data version number.
Click the "Print" button to exit.

404.WLAN Network Data Version
20200520
`nO YE       20200520`

3.2.2.9 LARGE FILE SEGMENT SIZE Mode+ 405

The default length of the long file network segment is 4096.

■ Long press the "mode" button and click "4" "0" "5" to view the network segment length.
Click the "Print" button to exit.

405.Large File Segment Size
4096
`5G 5J          4096`

3.2.2.10 WLAN NETWORK SWITCH Mode+ 406

The wireless network is turned off by default.

■ Long press the "mode" button and click "4", "0" and "6" to turn on the Wi-Fi switch.
Click the "Print" button to save and exit.

406.WLAN Network Switch
0:Close；1:Open
`FLRG            0`

3.3 PRODUCT SETTINGS

Repeated operations for adding and modifying items, this book will show you how to add goods.

Product settings Mode+ 150

- After long pressing "Mode" + "1", "5" and "0", enter the product number, such as "1";

  150.Plu Edit; Input Plu No.
  F1 Add; F2 Delete; F3 Update
  PLU   1

- If you click on F1 to add an item, click "Print" to go to the next page;

  150.Plu Edit; Input Plu No.
  F1 Add; F2 Delete; F3 Update
  A PLU   1

- If you click on F3 to modify the product, click "Print" to go to the next page.

  150.Plu Edit; Input Plu No.
  F1 Add; F2 Delete; F3 Update
  U PLU   1

- The item number displays the item number entered on the product editing home page;

  150.Plu Edit; Plu Number
  1
  PLU E 011d   1

- The default input is English. The English input keyboard is clicked once to capitalize the English letters, and the sequential clicks are twice for lowercase English letters, and three consecutive clicks are numbers/symbols;
  Click "Input" to change the Chinese character area code, and enter the 4 digits into Chinese characters on the numeric keypad. Click "Page down" to go to the next item.

  150.Plu Edit; Plu Name
  PLU E 02 Ndö

- The store code can be set according to the needs of the store.

  150.Plu Edit; Item Code
  0
  PLU E 03 Itö   0

- The product type defaults to "0: Weighing". If you need to count the pieces, click the numeric keypad "1";
  Click "Page down" to go to the next item.

  150.Plu Edit; Plu Type
  0:Wgt; 1:Qty
  PLU E 05 Flü   0

- The weight unit can be changed as needed. Click the "C" button to clear it and click the corresponding number to change it.

  150.Plu Edit; Wgt. Unit
  0:Piece; 1:kg; 2:lb; 3:jin
  PLU E 06 Unt   1

- The unit price is recorded in minutes, so you need to enter two digits after the decimal point.

  150.Plu Edit; Price(cent)
  0
  PLU E 07 S.r   0

- The label format number defaults to 0. Click the "C" key as needed to clear and enter the label number. The label defaults to 14 label formats.

  150.Plu Edit; Label Format
  2F5C5XS
  PLU E 13 BF   1

- F1F2 is the first two digits of the label barcode and is set by the customer.

  150.Plu Edit; F1F2
  20
  PLU E 12F 12   20

- The barcode format can be entered in 1-14 number, "2F" is F1F2, the first two digits; "5C" is the in-store code, five digits; "5X" is the "total amount"; "S" is the check digit.

  150.Plu Edit; BCD Format
  2F5C5XS
  PLU E 13 BF   1

- The amount is displayed by default in the barcode X field. The modification is "5X". You can change it to "weight or quantity" by clicking the "C" button.

  150.Plu Edit; BCD X Flag Type
  0:Wgt/Qty; 1:Amount
  PLU E 14 Bⁱ   1

- The shelf life defaults to 0 and can be modified if required.

  150.Plu Edit; Valid Day
  0
  PLU E 15 ʼJ   0

- The package date offset is generally 0 by default and can be modified as needed.

  150.Plu Edit; Pack Date Offset(Day)
  0
  PLU E 15 PJ   0

- The package time offset is generally 0 by default and can be modified as needed.

  150.Plu Edit; Pack Time Offset(Min)
  0
  PLU E 19 P7   0

- The main group number is generally 0 by default, and can be modified to other numbers to facilitate the export of the main group sales report.

  150.Plu Edit; Group No.
  0
  PLU E 20 Grⁿ   0

- There are 10 items in the description of the product. Click "Input" to switch the text.

  150.Plu Edit; Plu Description, Line 1
  0
  PLU E 23 J 1   0

- After the setting is completed, click the "Print" button twice to save.

- If you need to delete the product, enter the corresponding product number on the numeric keypad, click "F2", and click "Print" to delete it.

  150.Plu Edit; Input Plu No.
  F1 Add; F2 Delete; F3 Update
  J PLU   1

The general items are as shown above, if you need to check the "check code", "highest retail price", "tare", "prepackage number", "sales package number", "sale date offset", "sale time offset" "," "origin", "brand", "product description title", "item additional instructions" need to be upgraded.

3.3 Product Settings

3.3 Product Settings

3.4 DOCUMENT EDITING

Text Editor Mode+ 151

■ After long press "Mode" + "1", "5" and "1", enter the product number, such as "1";

151.Text Edit; Input Text No.
F1 Add; F2 Delete; F3 Update
`7E=7          1`

■ If you add text, click F1, click "Print" to go to the next page;

151.Text Edit; Input Text No.
F1 Add; F2 Delete; F3 Update
`A 7E=7         1`

■ If you click F3 to modify the text, click "Print" to go to the next page;

151.Text Edit; Input Text No.
F1 Add; F2 Delete; F3 Update
`U 7E=7         1`

■ If you delete the text and click F2, click "Print" to return to the interface.

151.Text Edit; Input Text No.
F1 Add; F2 Delete; F3 Update
`J 7E=7         1`

■ The added or modified text content cannot exceed 56 bytes or 28 Chinese characters.

151.Text Edit; Content
`J    J7`

3.5 PRODUCT EDIT DISPLAY SETTINGS

Product display settings Mode+ 180

■ The product name is displayed by default in the product editing, and there is no special requirement without changing it.

180.Plu Edit Display Control; Plu Name
0:No; 1:Yes
`EPC7L  0 1Nāō     1`

■ The in-store code is displayed by default in the product editing, and generally no special requirements are not changed.

180.Plu Edit Display Control; Item Code
0:No; 1:Yes
`EPC7L  02 It ō    1`

■ The EAN code is not displayed by default in the product editing. Generally, there is no special requirement and no change is made.

180.Plu Edit Display Control; STD Item C
0:No; 1:Yes
`EPC7L  03 BLc     0`

■ The status A class is displayed by default in the product editing, and is the "commodity type" switch in the product editing, which is the control of weighing or piece counting.

180.Plu Edit Display Control; Status Cla
0:No; 1:Yes
`EPC7L  04 StA     1`

■ The weight unit is displayed by default in the product editing, and generally no special changes are made.

180.Plu Edit Display Control; Wgt. Unit
0:No; 1:Yes
`EPC7L  05 UnE     1`

■ The unit price is displayed by default in the product editing, and there is no special requirement for no change.

180.Plu Edit Display Control; Price
0:No; 1:Yes
`EPC7L  06 5LP     1`

■ The highest retail unit price is not displayed by default in the product editing, and generally no special requirements are not changed.

180.Plu Edit Display Control; Max. Price
0:No; 1:Yes
`EPC7L  07 āPr     0`

■ Tare weight is not displayed by default in product editing, and can be modified if necessary.

180.Plu Edit Display Control; Tare
0:No; 1:Yes
`EPC7L  08 7ār     0`

■ The number of pre-packages is not displayed by default in the product editing, and generally no special requirements are not modified.

180.Plu Edit Display Control; Pre Pack N
0:No; 1:Yes
`EPC7L  09 PP-l    0`

■ The label format number is displayed by default in the product editing, and generally no special requirements are not modified.

180.Plu Edit Display Control; Label Form
0:No; 1:Yes
`EPC7L  10 LbL     1`

■ F1F2 is displayed by default in the product editing, and generally no special requirements are not modified.

180.Plu Edit Display Control; F1F2
0:No; 1:Yes
`EPC7L  11 F 12    1`

■ The barcode format is displayed by default in the product editing, and generally no special requirements are not modified.

180.Plu Edit Display Control; BCD Format
0:No; 1:Yes
`EPC7L  12 BF      1`

■ The barcode X field type is displayed by default in the product editing, and generally no special requirements are not modified.

180.Plu Edit Display Control; BCD X Flag
0:No; 1:Yes
`EPC7L  13 B=      1`

■ The shelf life is displayed by default in the product editing, and generally no special requirements are not modified.

180.Plu Edit Display Control; Valid Day
0:No; 1:Yes
`EPC7L  14 ⁴J      1`

■ The sale date offset is not displayed by default in the product editing, and generally no special requirements are not modified.

180.Plu Edit Display Control; Sale Date
0:No; 1:Yes
`EPC7L  15 5J      0`

■ The sales time offset is not displayed by default in the product editing, and generally no special requirements are not modified.

180.Plu Edit Display Control; Sale Time
0:No; 1:Yes
`EPC7L  16 57      0`

■ The package date offset is displayed by default in the product editing, and generally no special requirements are not modified.

180.Plu Edit Display Control; Pack Date
0:No; 1:Yes
`EPC7L  17 PJ      1`

■ The packaging time offset is displayed by default in the product editing, and generally no special requirements are not modified.

180.Plu Edit Display Control; Pack Time
0:No; 1:Yes
`EPC7L  18 P7      1`

■ The main group number is displayed by default in the product editing, and generally no special requirements are not modified.

180.Plu Edit Display Control; Group No.
0:No; 1:Yes
`EPC7L  19 GrP     1`

■ The place of origin is not displayed by default in the product editing. Generally, there is no special requirement and no modification is made.

180.Plu Edit Display Control; Production
0:No; 1:Yes
EPC7L 20 RJJ   0

■ The brand is not displayed by default in the product editing, and generally no special requirements are not modified.

180.Plu Edit Display Control; Brand
0:No; 1:Yes
EPC7L 21 8PJ   0

■ The product description is displayed by default in the product editing, and there is no special requirement without modification.

180.Plu Edit Display Control; Plu Descri
0:No; 1:Yes
EPC7L 22 JES   1

■ The title of the product description is not displayed by default in the product editing. Generally, there is no special requirement and no modification is made.

180.Plu Edit Display Control; Plu Descri
0:No; 1:Yes
EPC7L 23 J P   0

■ The product additional description is not displayed by default in the product editing, and generally no special requirements are not modified.

180.Plu Edit Display Control; Plu Descri
0:No; 1:Yes
EPC7L 24 J 5   0

■ The status B class is not displayed by default in the product editing, and it controls the switches of "print: shelf life", "print: sale date", "print: sale time", "print: package date", "print: package time".

180.Plu Edit Display Control; Status Cla
0:No; 1:Yes
EPC7L 25 5t8   0

■ The status C class is not displayed by default in the product editing, which controls the switch of "transaction: unit price open", "transaction: allow discount", "transaction: prohibit sales", "transaction: allow limit price".

180.Plu Edit Display Control; Status Cla
0:No; 1:Yes
EPC7L 26 5tC   0

3.6.1 PRODUCT SHORTCUT EDITING

Product shortcut Mode+ 152

■ Long press "Mode" + "1", "5" and "2", the shortcut key is similar to the specific operation of modification, this book will not repeat.
Set the product shortcuts, such as "118" for the first layer of the 18th key.

152.Plu Shortcut Edit; Input Shortcut No
F1 Add; F2 Delete; F 3 Update
R PLU t   118

■ Click "Print" to enter the next item. Enter the shortcut key number to be set on the numeric keypad. Double-click "Print" to save the shortcut settings.

152.Plu Shortcut Edit; Plu No.
0
J7   0

3.6.2 FUNCTION SHORTCUT EDITING

Function shortcut Mode+ 153

■ Long press "Mode" + "1", "5" and "3", the shortcut key is similar to the specific operation of modification, this book will not repeat.
Set function shortcuts, such as "218" for the second layer of the 18th key.

153.Function Shortcut Edit; Input Shortc
F1 Add; F2 Delete; F3 Update
R FUN t   218

■ Click "Print" to enter the next item. Enter the shortcut key number to be set on the numeric keypad. Double-click "Print" to save the shortcut settings.

153.Function Shortcut Edit; Function No.
J7   0

3.6.3 F KEY FUNCTION SETTING

F key function setting Mode+ 154

1	Pending order 1	30	Reprint
2	Pending order 2	31	Return key
3	Pending order 3	50	Daily report printing
4	Pending order 4	70	Product price change
5	Pending order 5	71	No button trading switch
10	Discount, direct price reduction	72	Open the cashier
11	Discount, multiplied by the percentage		

■ Long press "Mode" + "1", "5" and "4",
Set the F key.
Click the "Page down" button to set the "F2", "F3", "F4" and "F5" shortcut keys in order.
Click the "Print" button to save.

154.F Key Function Edit; F1

`F= 01 F1        0`

3.6.4 H KEY FUNCTION SETTING

Text Editor Mode+ 155

■ After long pressing "Mode" + "1", "5" and "5", input the function code, such as "1";

■ Click "Page down" to view the four shortcut keys for replacement. After modifying, click "Print" to save.

155.H Key Function Edit; H1
Hang1

`H= 01 H1        1`

3.6.5 NUMBER KEY PAGE-TURNING FUNCTION

Keyboard page flip Mode+ 160

■ Long press "mode" + "1" "6" "0", the default is 0, turn it on and click the "C" key to clear and enter "1", and click the "total print" key to save and exit.

160.Number Key Page-turning Function
0:Close; 1:Open

`FLAG        0`

3.7.1 LABEL SETTING

3.7.1.1 Label X coordinate editing Mode+ 156

The label X coordinate is used to modify the preset label X position.

■ Check the label format when printing. If necessary, long press "Mode" + "1", "5" and "6", input the corresponding label format, and click "Print" to enter the next item.

156.Label X Coord. Edit; Input Label No.
F3 Update
`U PF凸7        1`

■ Label "1", product number X axis position is 3.
Click "Page down" to view the next item.

156.Label X Coord. Edit; (Label) Plu No.
3
`PF7 = 10001        3`

■ The product name has an X-axis position of 76.
Click "Page down" to view the next item.

156.Label X Coord. Edit; (Label) Plu Name
76
`PF7 = 10002        76`

■ The sales amount X-axis position is 278.
Click "Page down" to view the next item.

156.Label X Coord. Edit; (Label) Sale Amo
278
`PF7 = 10003        278`

■ The unit price X-axis position is 69.
Click "Page down" to view the next item.

156.Label X Coord. Edit; (Label) Price
69
`PF7 = 10005        69`

■ The weight X-axis position is 69, which is repeated with the unit price position. Click "Page down" to view the next item.

156.Label X Coord. Edit; (Label) Weight
69
`PF7 = 10007        69`

■ The X-axis position of the package date is 118. Click "Page down" to view the next item.

156.Label X Coord. Edit; (Label) Pack Dat
118
`PF7 = 10009        118`

■ The location of the packaging time is 323. Click on the "Page down" to view the next item.

156.Label X Coord. Edit; (Label) Pack Tim
323
`PF7 = 10010        323`

■ The sales date is 196. Click on the "Page down" to view the next item.

156.Label X Coord. Edit; (Label) Sale Dat
196
`PF7 = 10011        196`

■ The sales time is 323. Click "Page down" to view the next item.

156.Label X Coord. Edit; (Label) Sale Tim
323
`PF7 = 10012        323`

■ The warranty date X-axis position is 117, click "Page down" to view the next item.

156.Label X Coord. Edit; (Label) Valid Da
117
`PF7 = 10013        117`

■ The barcode X-axis position is 242. Click "Page down" to view the next item.

156.Label X Coord. Edit; (Label) BCD
242
`PF7 = 10015        242`

■ The tare position is 290. Click "Page down" to view the next item.

156.Label X Coord. Edit; (Label) Tare
290
`PF7 = 10018        290`

■ The Plu position is 0. Click "Page down" to view the next item.

```
156.Label X Coord. Edit; (Label) Plu Desc
0
    PF7 _ 100 19          0
```

■ The Plu position is 0. Click "Page down" to view the next item.

```
156.Label X Coord. Edit; (Label) Plu Desc
0
    PF7 _ 10020          0
```

■ The product position is 0. Click "Page down" to view the next item.

```
156.Label X Coord. Edit; (Label) Product
0
    PF7 _ 10022          0
```

■ The brand position is 0. Click "Page down" to view the next item.

```
156.Label X Coord. Edit; (Label) Brand
0
    PF7 _ 10023          0
```

■ There are 12 text options in total. Click "print" to save after modification.

```
156.Label X Coord. Edit; Text1
5
    PF7 _ 0 100 1          5
```

3.7.1.2 Predefined label settings   Mode+ 240

The default label setting defaults to 2, which means that the format in the item takes precedence.

■ Pre-defined tags generally default to 2, if you use custom tags after modifying tags, you need to change the settings.

```
240.Predefined Label; Mode
0:Not use; 1:Use; 2:Plu Format First
    L8 F_ 0 1 U4E          2
```

■ The default label used is 11, which can be modified as needed.

```
240.Predefined Label; Barcode No.
11 (60*39)
    L8 F_ 02 ld          11
```

3.7.1.3 Label printing Mode setting   Mode+ 241

The default position for label printing is the top, which can be modified as needed.

■ The location where the label is printed can be modified as needed.

```
241.Label Print Mode
0:Bottom; 1:top
    L8 27          1
```

3.7.1.4 Label element wrap settings   Mode+ 242

Label elements can be wrapped by default, and can be modified as needed.

■ The label text can be wrapped by default. Click "Page down" to enter the next item.

```
242.Label Item Wrap; Text
0:No; 1:Yes
    L8 42 0 1 7=t          1
```

■ The label value cannot be wrapped by default. Click "Page down" to enter the next item.

```
242.Label Item Wrap; Number
0:No; 1:Yes
    L8 42 02 nuo          0
```

■ The label currency cannot be wrapped by default. Click "Page down" to enter the next item.

```
242.Label Item Wrap; Money
0:No; 1:Yes
    L8 42 03 An4          0
```

■ The label weight cannot be changed by default. Click "Page down" to enter the next item.

```
242.Label Item Wrap; Weight
0:No; 1:Yes
    L8 42 04 4ut          0
```
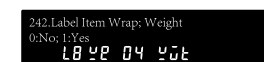
■ The number of labels cannot be changed by default. Click "Page down" to enter the next item.

```
242.Label Item Wrap; Quantity
0:No; 1:Yes
    L8 42 05 2t4          0
```

■ The label date and time cannot be changed by default. Click "Print" to save.

```
242.Label Item Wrap; Datetime
0:No; 1:Yes
    L8 42 06 J7          0
```

3.7.1.5 Label element complete setting   Mode+ 243

Label elements can be retained as needed.

■ The label text is not retained by default. Click "Page down" to go to the next item.

```
243.Label Item Full; Text
0:No; 1:Yes
    L8 FL 0 1 7=t          0
```

■ The label value is not retained by default. Click "Page down" to enter the next item.

```
243.Label Item Full; Number
0:No; 1:Yes
    L8 FL 02 nuo          0
```
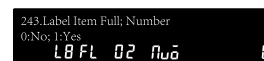
■ The label currency is not retained by default. Click "Page down" to go to the next item.

```
243.Label Item Full; Money
0:No; 1:Yes
    L8 FL 03 An4          0
```

■ The label weight is not retained by default. Click "Page down" to enter the next item.

```
243.Label Item Full; Weight
0:No; 1:Yes
    L8 FL 04 4ut          0
```

■ The number of labels is not retained by default. Click "Page down" to go to the next item.

```
243.Label Item Full; Quantity
0:No; 1:Yes
    L8 FL 05 2t4          0
```

■ The label date and time is not retained by default. Click "Page down" to enter the next item.

```
243.Label Item Full; Datetime
0:No; 1:Yes
    L8 FL 06 J7          0
```

3.7.2 RECEIPT SETTING

3.7.2.1 Receipt print segment settings   Mode+ 260

Print segments up to 12 small items. 0 is the termination. -1 to -6 are predefined segments. 1-127 is the label format number of the download, which is used to always define the receipt print format. Do not change it easily.

■ There are 10 items in the receipt print segment. The first 6 items are predefined segments, and the last 6 items can be changed as needed.

260.Receipt Print Segment; Segment 1
-1
`PC Fñ  01 Fāt      -1`

3.7.2.2 Receipt default text font settings   Mode+ 261

The receipt text size is 16 items, the default font size is 3, you can set the font size 2-10.

■ The receipt text font has no special requirements to use the default.

261.Receipt Default Font(mm); Text 1
3
`7⊑ F7 01 701      3`

3.7.2.3 Set receipt No.   Mode+ 356

■ You can change the receipt number as needed.

356.Set receipt No.
0
`7⊑ 1J  01 Sⱸt      0`

3.7.3 BARCODE SETTING

3.7.3.1 Barcode usage settings   Mode+ 221

■ Barcodes use EAN13 by default and can be changed to CODE128 as needed.

221.BCD Usage; Whether use EAN13
0:Not Use (CODE128); 1:Use
`BCJ F  01 USē      1`

■ EAN13 barcodes use non-standard images by default and can be modified as needed.

221.BCD Usage; EAN13 Image
0:Standard; 1:Not
`BCJ F  02 Std      1`

■ The bar code defaults to the standard GTIN check digit algorithm.

221.BCD Usage; GTIN Checksum
0:Standard; 1:Not
`BCJ F  03 Ch-1      0`

■ Barcodes using Code128 will use standard barcode images.

221.BCD Usage; Code128 Image
0:Standard; 1:Not
`BCJ F  04 Std      0`

3.7.3.2 Barcode font settings   Mode+ 222

■ The bar code font size is 2mm by default and can be modified as needed.

222.BCD Font
0:2mm; 1:3mm; >1:ratio(bar/font)
`BP CH              0`

3.7.3.3 Predefined barcode settings   Mode+ 224

■ The system does not use predefined barcodes by default, and can modify them as needed.

224.Predefined Barcode; Mode
0:Not Use; 1:Use; 2:Plu Format First
`BCJF⊑ 01 USē      0`

■ Select the barcode number to use.

224.Predefined Barcode; Barcode Number
0
`BCJF⊑ 02 ld       0`

3.7.3.4 Bar code shift setting   Mode+ 225

■ The bar code is not shifted by default, and it needs to be modified if necessary.

225.Barcode Shift; Mode
0:Not; 1:Fixed; 2:UDF; 3:All
`BCJSF 01 ñod      0`

■ The currency unit of the barcode defaults to points and can be modified if necessary.

225.Barcode Shift; Money Unit
1:Cent; 2:Dime; 3:Dollar
`BCJSF 02 ñUⱸ      1`

■ The currency multiplier of the barcode is 1x by default and can be modified if necessary.

225.Barcode Shift; Money Unit
1:Cent; 2:Dime; 3:Dollar
`BCJSF 02 ñUⱸ      1`

■ The currency carry of the barcode is not allowed to change by default, and can be modified if necessary.

225.Barcode Shift; Money Carry
0:No; 1:Trunc; 2:Round; 3:Ceil
`BCJSF 04 ñC4      0`

■ The weight unit of the barcode is gram by default and can be modified if necessary.

225.Barcode Shift; Wgt. Unit
1:g; 2:kg
`BCJSF 05 YUⱸ      1`

■ The bar code's weight ratio defaults to 1x and can be modified if necessary.

225.Barcode Shift; Wgt. Shift
1
`BCJSF 06 YSF      1`

■ Bar weight carry-in is not allowed to change by default, and can be modified if necessary.

225.Barcode Shift; Wgt. Carry
0:No; 1:Trunc; 2:Round; 3:Ceil
`BCJSF 07 YC4      0`

■ The number of barcodes is 1 by default and can be modified if necessary.

225.Barcode Shift; Qty. Unit
1:piece
`BCJSF 08 ЭUⱸ      1`

■ The number of barcodes has a default rate of 1x, which can be modified if necessary.

225.Barcode Shift; Qty. Shift
1
`BCJSF 09 ЭSF      1`

■ The number of barcodes carried is not allowed to change by default, and can be modified if necessary.

225.Barcode Shift; Qty. Carry
0:No; 1:Trunc; 2:Round; 3:Ceil
`BCJSF 10 ЭC4      0`

3.7.4 PRINTER SETTINGS

3.7.4.1 Printer parameter settings   Mode+ 200

■ Printer default label paper, if you need to check the cash, please switch to receipt paper.

> 200.Print Param. Set; Paper Type
> Paper. 0:Receipt; 1:Label
> P2 SP 10 PPr   1

■ The print mode does not peel detection by default. You need to take the previous paper out of the exit when printing, and change it if necessary.

> 200.Print Param. Set; Print Mode
> Peel Check. 0:No; 1:Yes
> P2 SP 02 nod   0

■ The printer default print density is 5, modify the print text color shade by changing the print density, if necessary, change it yourself.

> 200.Print Param. Set; Print Density
> 0(light)-9(dark)
> P2 SP 03 den   5

■ The default starting point for the printer parameters is 64. Modify the text and paper margins by changing the starting position and change it if necessary.

> 200.Print Param. Set; Initial Print Posi
> 64
> P2 SP 04 Srt   64

3.7.4.2 Printer parameter query   Mode+ 201

The contents of the printer parameter query are the same as the settings. This book will not be repeated.

3.7.4.3 Print copies and interval settings   Mode+ 210

■ The number of copies is 1 by default. If you need to print multiple copies at the same time, you can modify it as needed.

> 210.Copy and Interval; Default Print Cop
> 1
> CP 1V 01 cPY   1

■ The print interval defaults to 0, which means continuous printing, and you can modify it if necessary.

> 210.Copy and Interval; Print Time Interv
> 0
> CP 1V 02 inu   0

3.7.5 TRANSACTION SETTINGS

3.7.5.1 Set transaction record auto clear threshold   Mode+ 351

■ The transaction record has a maximum of 4096 records by default. Do not change it without special requirements.

> 351.Txn. Data Auto Delete; Max Txn. Numb
> 4096
> d8 72 01 7cn   4096

■ Transaction record The first 16 free blocks will be cleaned up after the maximum number of records has been reached.

> 351.Txn. Data Auto Delete; Min Empty Blo
> 16
> d8 72 02 BLY   16

3.7.5.2 Manually clear transaction records   Mode+ 352

■ The transaction record can set the number of purges by itself.

> 352.Txn. Data Manual Delete; Delete Txn.
> 0
> d8 dL   0

3.7.5.3 Database status query   Mode+ 353

■ You can choose whether to clear the transaction record by querying the number of transaction records.

> 353.Database State; Txn. Number
> 0
> d8 72 01 7cn   0

■ You can choose whether to free up the number of free blocks by querying the number of free blocks.

> 353.Database State; Empty Block
> 193
> d8 72 02 BLY   193

3.7.5.4 Current transaction record number adjustment   Mode+ 354

■ The transaction record number can be adjusted as needed.

> 354.Current Txn. No.
> 0
> 7c 1d   0

3.7.6 PRODUCT LABEL STYLE

Label style sheet   Mode+ 120

■ Product label styles can be defined by themselves, with a minimum number of 10 and a maximum of 9999999.

> 120.Plu Label Sample; Begin Plu No.
> 10
> PLU L 01 BGn   10

> 120.Plu Label Sample; End Plu No.
> 9999999
> PLU L 02 End 9999999

3.7 Other settings

3.7 Other settings

3.7.7 PRINT PLU LIST

Print Plu List Mode+ 121

■ The list of printed products can be defined by yourself. The minimum number is 1 and the maximum is 9999999.

> 121.Print Plu List；Begin Plu No.
> 1
> PLU L 01 BGN 1

> 121.Print Plu List；End Plu No.
> 9999999
> PLU L 02 END9999999

3.7.8 BARCODE F1F2 SETTING

Barcode F1F2 Mode+ 223

■ The barcode F1 system defaults to 2 and can be modified if necessary.

> 223.BCD F1F2；Default F1
> 2
> L8 FF 01 F1 2

■ The barcode F2 system defaults to 4 and can be modified if necessary.

> 223.BCD F1F2；Default F2
> 4
> L8 FF 02 F2 4

■ The barcode source defaults to the item and can be modified if necessary.

> 223.BCD F1F2；Source
> 0:Plu; 1:Default
> L8 FF 03 Src 0

■ The fixed F-bit of the bar code defaults to F2, and you can modify it if necessary.

> 223.BCD F1F2；Single F of Predefined BCD
> 0:F1； 1:F2
> L8 FF 04 8F 1

■ The single F bit of the item defaults to F2 and can be modified if necessary.

> 223.BCD F1F2；Single F of Plu
> 0:F1； 1:F2
> L8 FF 05 PF 1

3.7.9 TRANSACTION CONTENT SETTINGS

Transaction content settings Mode+ 300

■ By default, transaction content does not allow for non-commodity transactions, and you can modify it if necessary.

> 300.Txn. Valid Mode; No Plu Txn
> 0:No; 1:Yes
> 7_ FG 01 PYn 0

■ The transaction content is not allowed to open the unit price by default. It cannot be modified before the permission is opened. If you need to press "Mode" + "5" "0" "0" to enter the password, you can modify it yourself.

> 300.Txn. Valid Mode; Price Change On
> 0:No; 1:Yes
> 7_ FG 02 PrC 0

■ When the unit price is open, the product is open.

> 300.Txn. Valid Mode; Price Change Mode
> 0:Plu; 1:Always
> 7_ FG 03 CRb 0

■ By default, the item price is not allowed to be 0 when the item is traded.

> 300.Txn. Valid Mode; Price Can be 0
> 0:No; 1:Yes
> 7_ FG 04 PJr 0

3.7.10 TRANSACTION OPERATION SETTINGS

Transaction operation settings Mode+ 301

■ The last item of the transaction operation is retained by default after printing.

> 301.Txn. Operation Mode; Plu Retain
> 0:Not Keep; 1:Keep
> 7_ FG 01 Ptr 0

■ Trading operations allow manual input of tare weight by default.

> 301.Txn. Operation Mode; Manual Tare Inp
> 0:No; 1:Yes
> 7_ FG 02 J7r 1

■ Trading operations cannot be printed by product shortcuts by default.

> 301.Txn. Operation Mode; Plu Shortcut Ke
> 0:No Print; 1:Print
> 7_ FG 03 Lh7 0

■ By default, the transaction cannot be automatically printed.

> 301.Txn. Operation Mode; Txn. Auto Print
> 0:No; 1:Yes
> 7_ FG 04 nh7 0

■ Weighing and piece counting cannot be switched by default during trading operations.

> 301.Txn. Operation Mode; Wgt/Qty Auto Sw
> 0:No; 1:Yes
> 7_ FG 05 R72 0

■ The cashier is opened by default during trading operations.

> 301.Txn. Operation Mode; Cashbox Open
> 0:No; 1:Yes
> 7_ FG 06 Bo= 1

3.7 Other settings

3.7 Other settings

3.7.11 MINIMUM EFFECTIVE WEIGHING

Minimum effective weighing   Mode+ 303

- The default minimum effective weighing weight for trading operations is 40g.

```
303.Min. Valid Wgt(g)
40
  UL 47           40
```

3.7.12 CURRENCY CARRY

Currency carry   Mode+ 304

- The currency carry default is accurate to the minute and can be modified by itself.

```
304.Currency Carry; Price Unit
1:Cent; 2:Dime; 3:Dollar
  ROUND 01 PB        1
```

- The unit price is rounded by default and can be modified by itself.

```
304.Currency Carry; Price Carry
1:Trunc; 2:Round; 3:Ceil
  ROUND 02 PC        2
```

- The weighing subtotal is accurate to the default and can be modified by itself.

```
304.Currency Carry; Wgt. Item Amount Uni
1:Cent; 2:Dime; 3:Dollar
  ROUND 03 IBU       1
```

- Weighing subtotal bits are rounded off by default and can be modified by ourselves.

```
304.Currency Carry; Wgt. Item Amount Car
1:Trunc; 2:Round; 3:Ceil
  ROUND 04 ICU       2
```

- The piece count sub-digits are accurate to the default and can be modified by themselves.

```
304.Currency Carry; Qty. Item Amount Uni
1:Cent; 2:Dime; 3:Dollar
  ROUND 05 IB9       1
```

- Piece counting subtotals are rounded off by default and can be modified if necessary.

```
304.Currency Carry; Qty. Item Amount Car
1:Trunc; 2:Round; 3:Ceil
  ROUND 06 IC9       2
```

- The total price is accurate by default and can be modified if necessary.

```
304.Currency Carry; Total Amount Unit
1:Cent; 2:Dime; 3:Dollar
  ROUND 07 7B        1
```

- The total price is rounded off by default and can be modified if necessary.

```
304.Currency Carry; Total Amount Carry
1:Trunc; 2:Round; 3:Ceil
  ROUND 08 7C        2
```

3.7.13 SCAN SETTINGS

Sales Report   Mode+ 320

- The default position for barcode scanning is number 1.

```
320.BCD Scan; Position No.
1
  SCAN 01 SLE        1
```

3.7.14 AUTOMATIC PRESET KEY FOR PLU

Automatic preset key   Mode+ 190

- The preset key assignment needs to be entered in advance, and the default starting key is the shortcut keyboard serial number 1.

```
190.Automatic Preset Key for PLU

  APPLU
```

3.7.15 SCALE NUMBER

Scale number setting   Mode+ 400

- The scale number setting defaults to 0, and other numbers can be set if needed.

```
400.Scale No.
0
  IJ              0
```

3.7 Other settings

4.1 SALES REPORT

Sales Report Mode+ 100

- Sales report export default start date is the same day, please reset.

  100.Sale Report; Begin Date YYMMDD
  190731
  `EP  5  01 5-3  190731`

- Sales report export default start date is 00:00:00, please reset.

  100.Sale Report; Begin Time hhmmss
  000000
  `EP  5  02 5-7  000000`

- The sales report export default end date is the same day, please reset it.

  100.Sale Report; End Date YYMMDD
  190731
  `EP  5  03 E-3  190731`

- The sales report export default end time is the current time, please reset it.

  100.Sale Report; End Time hhmmss
  123536
  `EP  5  04 E-7  123536`

4.2 MAIN GROUP SALES REPORT

Main group sales report Mode+ 101

- The main group sales report export default start date is the same day, please reset.

  101.Group Sale Report; Begin Date YYMMDD
  190731
  `EP  G5  01 5-3  190731`

- The default start time of the main group sales report export is 00:00:00, please reset it.

  101.Group Sale Report; Begin Time hhmmss
  000000
  `EP  G5  02 5-7  000000`

- The main group sales report export default end date is the same day, please reset.

  101.Group Sale Report; End Date YYMMDD
  190731
  `EP  G5  03 E-3  190731`

- The default end time of the main group sales report export is the current time, please reset it.

  101.Group Sale Report; End Time hhmmss
  131344
  `EP  G5  04 E-7  131344`

4.3 MERCHANDISE SALES REPORT

Merchandise sales report Mode+ 102

- The product sales report export default start date is the same day, please reset it.

  102.Plu Sale Report; Begin Date YYMMDD
  190731
  `EP  P5  01 5-3  190731`

- The default start time of the product sales report export is 00:00:00, please reset it.

  102.Plu Sale Report; Begin Time hhmmss
  000000
  `EP  P5  02 5-7  000000`

- The product sales report export default end date is the same day, please reset.

  102.Plu Sale Report; End Date YYMMDD
  190731
  `EP  P5  03 E-3  190731`

- The default end time of the product sales report export is the current time, please reset it.

  102.Plu Sale Report; End Time hhmmss
  132411
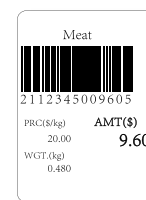 `EP  P5  04 E-7  132411`

5.1 PRESET CODE COMPARISON TABLE

Code comparison table

500	Authority Level Lift	520	Idle Set	551	User Format System
501	User Password Set	530	Ext device Function	552	Upgrade Arena format
502	User password Reset	533	COM Port Set	553	Upgrade Type
503	User Login Input Username and Password	534	EXT USB Function Set	590	System Version
510	Digit Key Set	540	USB Upgrade APP	591	AD Version and Calibration Times
511	Shortcut Key Set	541	USB Export Transaction Record	592	Print Version
512	Battery Warning Set	542	USB Files Backup		
513	LCD brightness Set	543	USB Files Restore		
514	Transaction Dot Matrix Display Mode	550	User format Database		

5.2 BUILT-IN LABEL TEMPLATE

Built-in label template

1 (30 x 42)

Meat
2112345009605
PRC($/kg)
20.00
AMT($)
9.60
WGT.(kg)
0.480

2 (30 x 42)

Meat
2112345009605
PRC($/kg) 20.00
WGT.(kg) 0.480
PK. DT
2019/08/06
Valid DT
2019/08/06
AMT($)
9.60

3 (40 x 32)

Meat
2112345009605
AMT($)
9.60
PRC($/kg) 20.00
WGT.(kg) 0.480

5.2 Built-in label template

4（40 x 32）

Meat
2112345009605
Valid DT 2019/08/06
PK. DT 2019/08/06
PRC($/kg) 20.00
WGT.(kg) 0.480
AMT($) 9.60

5（50 x 42）

Meat
2112345009605
AMT($) 9.60
PRC($/kg) 20.00
WGT.(kg) 0.480

6（50 x 42）

Meat
2112345009605
AMT($) 9.60
PK. DT 2019/08/06
PRC($/kg) 20.00
WGT.(kg) 0.480
Valid DT 2019/08/06

7（50 x 42）

Meat
2112345009605
WGT.(kg) 0.480
PRC($/kg) 20.00
AMT($) 9.60

8（50 x 52）

Meat
2112345009605
PRC($/kg) 20.00
WGT.(kg) 0.480
PK. DT 2019/08/06
Valid DT 2019/08/06
AMT($) 9.60

9（58 x 42）

Meat
2112345009605
9.60 AMT($)
WGT.(kg) 0.480
PRC($/kg) 20.00

10（58 x 42）

Meat
2112345009605
AMT($) 9.60
PK. DT 2019/08/06
Valid DT 2019/08/06
PRC($/kg) 20.00
WGT.(kg) 0.480

11（60 x 39）

Meat
2112345009605
9.60 AMT($)
PRC($/kg) 20.00
WGT.(kg) 0.480

12（60 x 39）

Meat
2112345009605
AMT($) 9.60
PK. DT 2019/08/06
Valid DT 2019/08/06
PRC($/kg) 20.00
WGT.(kg) 0.480

13（60 x 42）

Meat
2112345009605
9.60 AMT($)
WGT.(kg) 0.480
PRC($/kg) 20.00

14（60 x 42）

Meat
2112345009605
AMT($) 9.60
PK. DT 2019/08/06
Valid DT 2019/08/06
PRC($/kg) 20.00
WGT.(kg) 0.480

5.3 SYSTEM ERROR

Error code

Error number	Description	Approach
100	Boot Error	The system decides according to the situation
101	Boot Data Error	The system automatically formats the database and restarts
102	Boot A/D Set Zero Error	The weighing platform removes the item and the system restarts
110	System Error	The system decides according to the situation
111	Memory Error	System restart
112	Timeout	Not processed
120	Print Error	The system decides according to the situation
121	Print Head Heat	Turn off the power, report repair
122	Print Head Open	Please turn off the print head
123	Print Sensor Error	Turn off the power, report repair
124	Print Power Error	Turn off the power, report repair
125	Print Other Error	Turn off the power, report repair
130	A/D Error	Turn off the power, report repair
140	Database Error	The system decides according to the situation
141	Database Cannot Open	The system automatically formats the database and restarts
142	Database Cannot Append	
221	No Paper	Please reinstall the paper
222	Not Peel	Please peel off the label
223	Motor Running	
241	Record Exists	
242	Record Not Exists	
260	Network Error	Not processed
261	Upgrade Overflow	Not processed
291	Input Data Wrong	
292	Input Overflow	
293	Input Operation Wrong	
401	PLU Invalid	
402	PLU Not Exists	
403	PLU Required	

Error number	Description	Approach
404	PLU Price Overflow	
411	Transaction Amount Overflow	
414	Hanging Transaction Empty	
415	Old Transaction not Exists	
421	Transaction Detail Too Many	
422	Transaction no Detail	
423	Transaction Detail Delete Fail	
431	Pay Illegal	
432	Pay Detail Too Many	
441	Price Illegal	
442	Price Change Not Allowed	
445	BCD Format Not Exists	
446	BCD Data Wrong	
451	Weight not Stable	
452	Weight Over/Underflow	
454	Tare Too Large	
455	Tare Too Small	
457	Weight Too Small	
461	PLU Preset Key Wrong	
462	Function Preset Key Wrong	
463	Input Wrong	
464	Input Overflow	
471	Print Testing	
472	Weight/Quantity State Uncertainty	
473	Not Sale Mode	
481	Promotion Value/Rate Invalid	
482	No Label Format	
491	Barcode Format Not Exists	
492	Barcode Format Wrong	
493	Barcode Data Wrong	

DB-100 **SERIES**

	version1.4 2019.10
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