USER'S MANUAL

Price Computing Label Printing Scale

DongDo Scale
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Foreword

Thank you for your chose our JLP Price Computing Label Printing Scale. Please read this manual first before you use this scale, and please keep this manual for future reference or use.

Precaution

- Please ensure the scale has been placed on is level, strong and stable platform, otherwise may cause the equipment to fall, cause equipment damage, or even cause a fire or electric shock hazard.
- Don’t put the scale in the bad environment, otherwise it will affect the normal use and shorten the scale service life:
    1. Moisture, dust, heat, cold, vibration environment;
    2. Direct sunshine, strong magnetic field, strong electric field, and high pressure or close to the motor or other will produce high temperature and high pressure environment.
- Don't bent power cord sharply, power cord should not be placed in easy be trampled place, don't put heavy object on the power cord, otherwise it may cause power cord damage or even cause a fire or electric shock hazard.
- Please grasp the insulated head of power cord to pull out plug from socket. Forced to pull the power cord may damage the power cord and scale, even may cause a fire or electric shock hazard.
- Don't use the damaged power socket or power cord, don’t attempt to repair them. Continue to use the damaged power socket or power cord, may lead to the danger of short circuit, electric shock, or even a fire.
- Power supply voltage input please strictly follows the product power requirements! Beyond its range will cause equipment damage, or even cause a fire or electric shock hazard.
- Don’t touch the power cord with wet hands, don’t wipe scale and power cord with wet cloth, otherwise it may lead to the risk of electric shock.
- Don’t put conductive objects or liquid nearby the scale, to prevent the conductive objects or liquid into scale body to avoid cause equipment damage, or even cause a fire or electric shock hazard.

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Special Requirement:

In order to make the scale work more stable, please make sure that the input power with a reliable ground!

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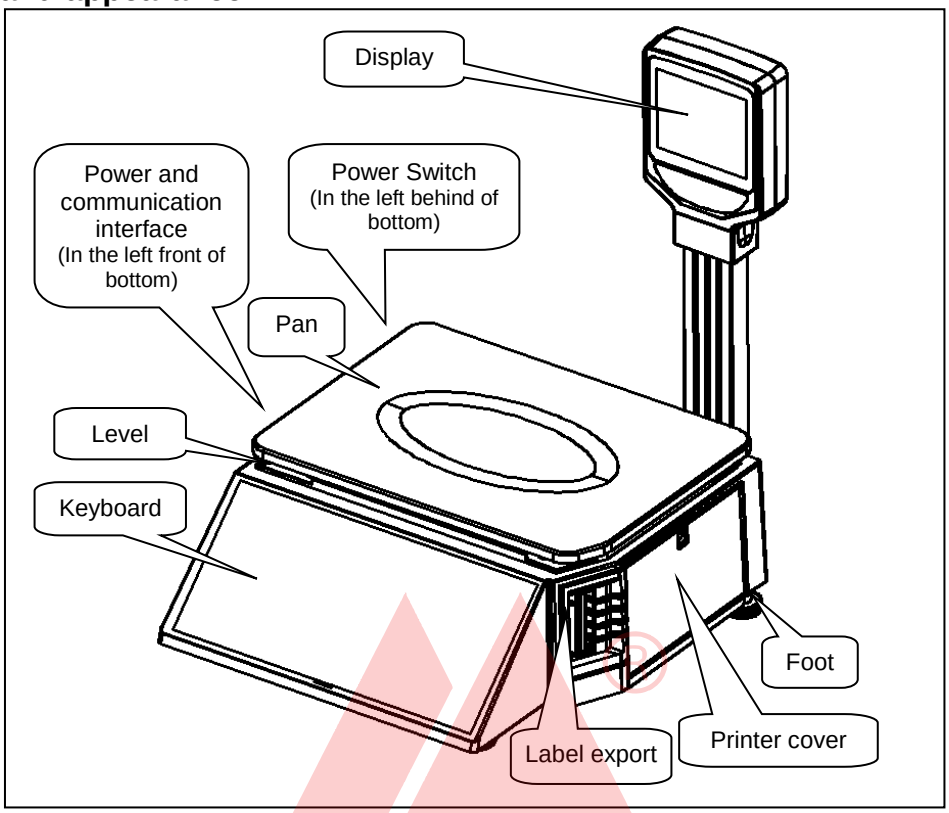
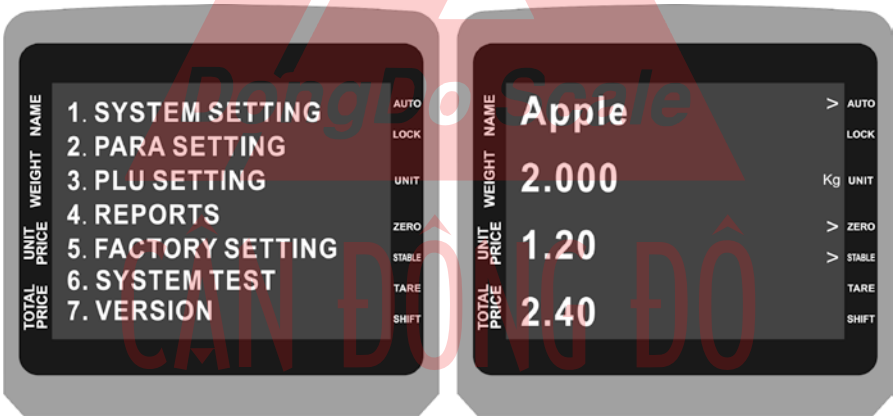
1. Summarize

1.1 Structure and appearance



1.2 Display

1.2.1 Display Interface

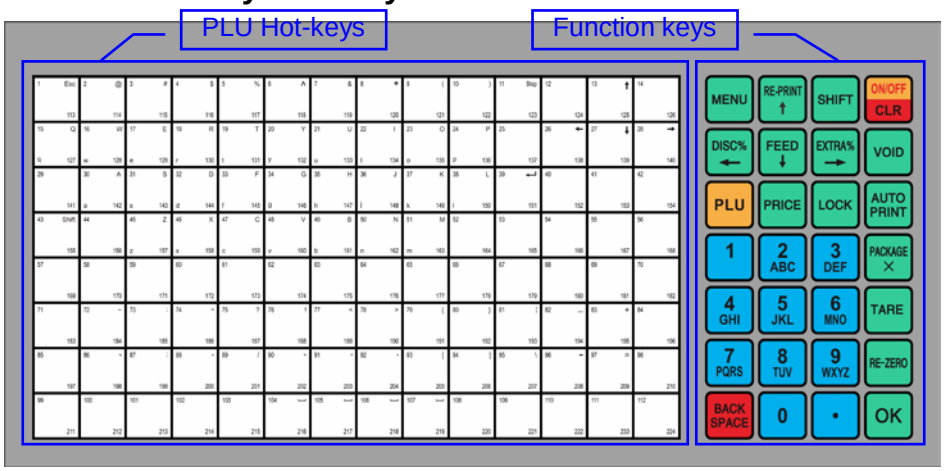


[Menu Display interface] **[Selling by weight interface]**

1.2.2 Status Indicators (>) (on the right side of the display)

1. AUTO: Display when in automatic printing status.
2. LOCK: Display when the current commodity in locked status.
3. UNIT: Units of measurement (Display weight unit (e.g.: kg, g, lb) when selling by weight, display “pcs” when in selling by package.)
4. ZERO: Display when scale in “zero” status (the weight is zero).
5. STABLE: Display when scale weighing in stable status.
6. TARE: Display when you pressed [TARE] key to remove tare.
7. SHIFT: Display when you pressed [SHIFT] key.

1.3 Standard keyboard layout



1.4 Keys and function of keyboard

Key	Function
NUMERIC	Number and letter entering(0-9 and a-z)
HOT KEY	Key for direct sales (1-112&123-224)
MENU	Enter and quit menu
RE-PRINT	Repeat print
↑	Select the upper item
↓	Select the next item
←	Move the cursor to left one character position
→	Move the cursor to right one character position
SHIFT	Select 2nd function or Select Input Method
CLR	Return to the previous menu, or clear all the input information
ON/OFF	Press and hold two seconds into sleep status
FEED	Feed one label paper
DISC%	Discount at percent
EXTRA%	Additional at percent
VOID	Cancel current sales operation
PLU	PLU No. key to get product information
PRICE	Temporarily change the current selling price of goods
LOCK	When you need to operate continuously of the same commodity, the commodity can be locked
AUTO PRINT	Enable or disable print pricing labels automatically when weighing in stable status.
PACKAGE /×	Enter the quantity of selling by package or quantity (goods must have been set to sell by package or quantity first.)
TARE	Remove tare
RE-ZERO	Return to zero status
BACKSPACE	Delete a character before cursor
OK	Operation confirm

1.5 Function & Features

- 10000 PLUs storage capacity and PLU data can be modified easily.
- 224 (112×2) PLU hot-keys can be edited and makes sales operation more quickly.

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- Printing parameters and label code setting can be easily edited.
- Label code format designation is convenient.
- Label printing quantity and sales amount can be sorted by PLU code.
- Multiple discount modes available. Amount before and after discount shown.
- Easy communication in two network ways: RS-232 and LAN (Ethernet).
- Programming and setting can be done in computer and then uploaded to scale via RS-232 port or LAN (Ethernet) port.

1.6 Key Parameters

ITEM	PARAMETERS
Precision	1/3000 F. S
Weighing scope	0-6Kg-15Kg or 0-15-30Kg
Weighing Resolution	2/5g or 5/10g
Storage Capacity	10,000 PLUs
Display	4-inch color TFT-LCD (320×240 dots matrix) - Name of commodity: 13 letters - Weight: 5 figures - Unit price: 7 figures - Total price: 8 figures
Keyboard	140keys (112×2=224 PLU Hotkeys, 32 Function keys)
Printing feature	Printing Method: thermal printing Resolution of level: 8dots/mm Printing speed: 60mm/s Printing life: ≥150km
Printing paper	Thermal printing label paper - Label width: 30-60mm -Label length: 25-48mm - Paper roll internal diameter: ≤80mm - Paper roll outer diameter: ≥42mm - Interval space between labels: 2-3mm
Printing font	12×24 dot: 1.5mm(W) ×3.0mm(H)
Communication ports	1×RS232 Serial, 1×RJ45 Ethernet
Power supply	AC100-120V or AC200-240V, 50/60Hz
Power consumption	Normal status: 5W Printing status: 50W
Built-in battery	None
Environmental Requirements	Storage temperature: -20℃~ 50℃ Working temperature: -10℃ ~ 40℃ Storage humidity: 10% ~ 95% RH Working humidity: 20% ~ 90% RH
Scale size (cm)	36(W)×44(D)×17.5(H) (the height is 49cm with display pole)
Package size (cm)	49(W)×48.5(D)×23(H)
Net weight	About 7.5Kg
Gross weight	About 9.3Kg

1.7 How to load label paper roll

1. Make sure that the scale has been power off status.
2. Open the printer's cover on the right side.
3. Use a finger grasp the "drag out point" on the base of the printer and drag the printer out of

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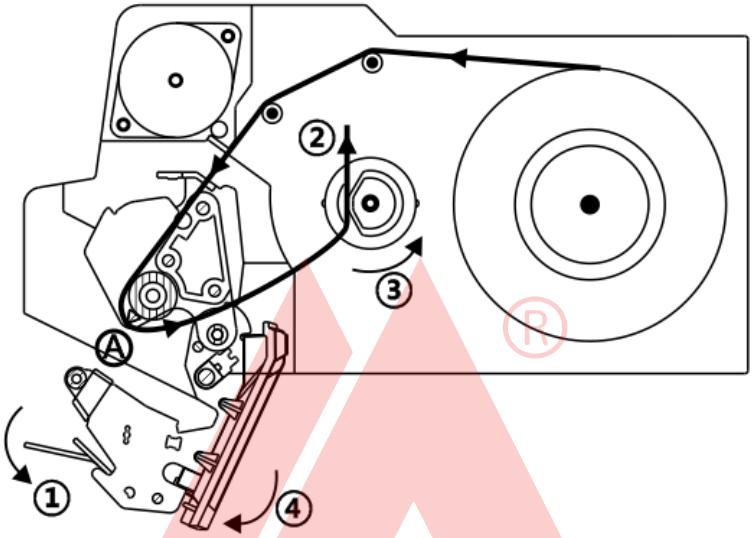
scale.

4. Pull out pinch plate, open turning head of label printer according to the instruction, namely ① in the image.
5. Put the front of label roll into paper collect reel, according to ②in the image. Then turn paper collect reel 2 or 3 turns and the direction refers to ③ So that point A happens to stop at the gap of two labels.
6. Turning label printers head snaps into place, the direction according to ④, there would be a click sound when in the correct place.
7. Push the printer into scale and close the cover.
8. Turn on the power, waiting the scale to finish initialization work, then press [FEED] key to feed the label to correct print position.



Precautions:

1. Label paper should be properly guided by the axis and adjust the width of the guide limiter.
2. Printed Each five-volume labels or found printing is not clear enough, you should gently wipe clean the thermal print head heating line (black line) with a cotton swab dipped a little alcohol (Attention please! Hard material clean the thermal head is forbidden to avoid damage the thermal print head).

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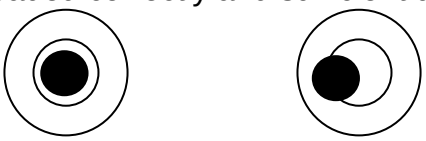
2. Sales Operation

2.1 Preparation and Inspection before usage

1. Ensure the scale placed on a platform which is level, strong enough and stable.
2. Check the power supply voltage conforms to the requirements of the equipment input power; the power cord plug connection is reliable.
3. Ensure the four feet of scale are contact with platform, scale body no shake.
4. Check the level bubble whether in a central location (as shown in the figure below), if it not in a central position, you need to adjust the height of feet to make it in the central position.
5. Ensure there is nothing on the scale body which is not the part of scale.
6. Ensure the label paper was loaded correctly and sufficient quantity.



2.2 Power on

1. Ensure there is nothing on scale pan.
2. Open the power switch.
3. Waiting the scale to finish initialization work.
4. Check the "ZERO" indicator at the right side of screen is display or not, and weight value display is zero or not, otherwise press [RE-ZERO] key to reset scale to zero.

5. Check the "STABLE" indicator at the right side of screen is display or not, if it displayed, then the scale is in the ready state for sales work.

2.3 Selling by weight

When the scale be in ready status (shown as left picture in section 3.1):

1. Ensure there is nothing on scale pan.
2. Check the "ZERO" indicator is displayed (Otherwise press [RE-ZERO] key to reset scale to zero).
3. **(Optional)** Tare: Put tray or package of commodity on the scale pan, and then press [TARE] to remove the tare weight, then the weight value displayed will become "0.000" and “TARE” indicator displayed.
4. Place the commodity on scale pan center gently.
5. Call out the commodity information for sales.
   - Method 1: Enter the PLU No. then press [PLU] key.
   - Method 2: Press hotkey.
6. **(Optional)** Discount operation: See section 2.7 description.
7. Press [OK] key to print a pricing label.

Note: 1) Only those commodities which sales type was set to “weight” can be sold by weight. 2) Unit displayed at the right side of screen is weight unit (such as “Kg”).

2.4 Selling by package

When the scale be in ready status (shown as left picture in section 3.1):

1. Call out the commodity information for sales.
   - Method 1: Enter the PLU No. then press [PLU] key.
   - Method 2: Press hotkey.
2. **(Optional)** Discount operation: See section 2.7 description.
3. Press [OK] key to print a pricing label.

Note: 1) Only those commodities which sales type was set to “Package” can be sold by package. 2) Unit displayed at the right side of screen is “pcs”.

2.5 Selling by fixed weight

When the scale be in ready status (shown as left picture in section 3.1):

1. Call out the commodity information for sales.
   - Method 1: Enter the PLU No. then press [PLU] key.
   - Method 2: Press hotkey.
2. **(Optional)** Discount operation: See section 2.7 description.
3. Press [OK] key to print a pricing label.

Note: 1) Only those commodities which sales type was set to “Fixed weight” can be sold by fixed weight. 2) Unit displayed at the right side of screen is “pcs”.

2.6 Change price in sale process

When the scale be in ready status (shown as left picture in section 3.1):

1. Call out the commodity information for sales (See section 2.3, section 2.4 and section 2.5 descriptions).
2. Enter new price of commodity.
3. Press [Price] key.
4. Press [OK] key to print a pricing label.

Note: 1) Only those commodities which “Price changeable?” item in “Set PLU” menu was set to “Yes” can change price in sale process. 2) Changing price operation is only valid for this time operation, does not modify the price stored in system memory.

2.7 Discount selling

When the scale be in ready status (shown as left picture in section 3.1):

1. Call out the commodity information for sales (See section 2.3, section 2.4 and section 2.5

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descriptions).

2. Discount operation:
   - Method 1: According to “discount type” set in “Set PLU” menu to discount: Press [DISC%] key directly.
   - Method 2: Enter a new discount percent then press [DISC%] key.
3. Press [OK] key to print a pricing label.

Note: Only those commodities which “Discount enable?” item in “Set PLU” menu was set to “Yes” can discount in sale process.

2.8 View date and time of system

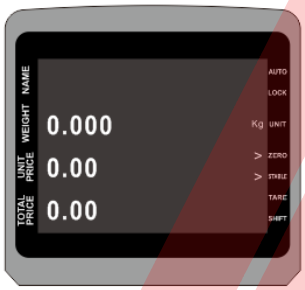
When the scale be in ready status (shown as left picture in section 3.1):

1. Press [PACKAGE] key to show system current date and time.
2. Press [OK] key or [CLR] key to return to ready status

3. Menu and Setting operation

3.1 How to open and exit menu

- When the scale be in ready status, press [Menu] key to open level 1 menu interface.
- In menu or setting status, press [Menu] key to exit to ready status.



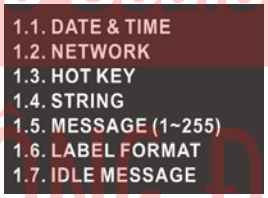
[Ready status interface]

[Level1 menu interface]

3.2 Menu and setting operation

3.2.1 Open sub-menu and setting interface methods

Method 1: Press [↑] [↓] keys to move the cursor to the appropriate menu item, then press [OK] key to open a sub-menu or menu item setting interface.



Method 2: Directly press the last digit key of the number in front of the menu item to open a sub-menu or menu item settings interface. (**Note:** With this method are described below)

Example: When the screen shown as right side image, press [2] numeric key will open the "Network Setting" sub-menu.

3.2.2 Parameters setting

- If a set of parameters as the input item, usually need to press [backspace] or [CLR] key to delete has set the values of the parameters, and then enter the new parameter values.
- If the set parameters for the option, press [↑] or [↓] t key to switch between various options, or direct input options in front of the Numbers.
- Save Setting: all parameters setting need to press [OK] key to save then it will take effect.

Note:

After pressing [OK] key to save parameters, display will return to the menu interface or turn to the next parameter Settings interface directly. If you don’t want to change someone parameter setting, you can press [OK] key to jump it to next parameter setting interface.

3.2.3 Change input method

Press [↑], [↓] or [SHIFT] key to select your input method.

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3.2.4 Special characters input

Press [1] or [0] key to select enters special character when current input method is “ABC” or “abc”, such as “.”, “!”, “@”, and so on.

3.2.5 Exit menu and setting status

- Press [Menu] key to end menu and setting operation, and exit to ready status.
- Press [CLR] key return previous menu.

3.2.6 Menu list and function description

See page 20 — “Appendix C: Menu list and function description”

4. System Setting

4.1 Date & time

1. When the scale be in ready status, press [Menu] key to open the menu interface.
2. Press the [1] numeric key to open sub-menu of “System setting”.
3. Press the [1] numeric key to open “Date & time” setting interface.
4. Enter a new date (format: YYYYMMDD)→Press [OK] key.
5. Enter a new time (format: HHMMSS)→Press [OK] key to display new date and time.
6. Press [OK] key to exit.

4.2 Network

4.2.1 IP Address

1. When the scale be in ready status, press [Menu] key to open the menu interface.
2. Press the [2] numeric key to open sub-menu of “Network”.
3. Press the [1] numeric key to open “IP” setting interface.
4. Enter a new IP Address→Press [OK] key.

4.2.2 MAC Address

1. When the scale be in ready status, press [Menu] key to open the menu interface.
2. Press the [2] numeric key to open sub-menu of “Network”.
3. Press the [2] numeric key to open “MAC” setting interface.
4. Enter a new MAC Address (8 figures) →Press [OK] key.

4.3 Hotkey

1. When the scale be in ready status, press [Menu] key to open the menu interface.
2. Press the [1] numeric key to open sub-menu of “System setting”.
3. Press the [3] numeric key to open “Hot key” setting interface.
4. Enter a PLU No.→Press [OK] key.
5. Press a hotkey on keyboard for above Entered PLU No..
6. Repeat step 4 and step 5 operations to others hotkey.
7. Press [CLR] key to exit.

4.4 String

1. When the scale be in ready status, press [Menu] key to open the menu interface.
2. Press the [1] numeric key to open sub-menu of “System setting”.
3. Press the [4] numeric key to open “String” setting interface.
4. Enter an index of string (1-8) →Press [OK] key.
5. Enter the content of string (Up to 24 characters)→ Press [OK] key to finish setting.

4.5 Message

1. When the scale be in ready status, press [Menu] key to open the menu interface.
2. Press the [1] numeric key to open sub-menu of “System setting”.
3. Press the [5] numeric key to open “Message” setting interface.

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4. Enter a index of string (1-255)→Press [OK] key.
5. Enter the content of message (Up to 96 characters)→ Press [OK] key to finish setting.

4.6 Edit the label format

1. When the scale be in ready status, press [Menu] key to open the menu interface.
2. Press the [1] numeric key to open sub-menu of “System setting”.
3. Press the [6] numeric key to open “Label format” setting interface,

ITEM	OPERATION	ILLUSTRATION
Item index (1~32)	-Enter the Index of label printing item. -Press [OK] key	**Index of label printing items(1-32):** 1. Internal code 2. Product name 3. PLU code 4. Price 5. Weight 6. Amount after discount 7. Label code 8. Date 9. Effective days 10. Frame 11. Time 12. Amount before discount 13. Expiry date 14. Discount rate 15. Title 1 16. Title 2 17. Title 3 18. Title 4 19. Title 5 20. Title 6 21. Title 7 22. Title 8 23. Title 9 24. Letter string 1 25. Letter string 2 26. Letter string 3 27. Letter string 4 28. Letter string 5 29. Letter string 6 30. Letter string 7 31. Letter string 8 32. Explanation text
ON/OFF?	-Set to print it or not -Press [OK] key	1: ON; 2:OFF
Font	-Set printing font-size - Press [OK] key	1:Normal; 2:Double width; 3:Double height; 4:Double size
Orientation	-Set printing direction - Press [OK] key	1: 0 degree; 2:90 degree; 3: 180 degree; 4:270 degree;
Title	-Select the index of title item (1-23) - Press [OK] key Note: Just at step 1 "Item index" is selected for this setting will appear when 15-23	**Title index (1-23):** 1:NAME 2:WEIGHT(g) 3:PRICE($/100g) 4:AMOUNT 5:PACK DATE 6:MATERIAL

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	(Title 1-9).	7:VALI DATE 8:NET WEIGHT 9:DATE 10:EDIBLE METHODS 11:PRESERVING METHOD 12:PLU CODE 13:TOTAL AMOUNT($) 14:PLU 15:g 16:WEIGHT 17:PRICE 18:$ 19:$/100g 20:$/500g 21:$/kg 22:kg 23:EXP DATE
X (0.1mm, 0~558)	-Enter the left position of printing -Press [OK] key	Unit of length is 0.1mm, Value: integer between 0 and 558, e.g.: 5mm should be set to 50.
Y (0.1mm, 0~478)	-Enter the top position of printing -Press [OK] key to finish setting	Unit of length is 0.1mm, Value: integer between 0 and 478, e.g.: 5mm should be set to 50.

Note: can store up to five formats. See "label format" in section 5.1.

4.7 Idle Message

1. When the scale be in ready status, press [Menu] key to open the menu interface.
2. Press the [1] numeric keys to open sub-menu of “System setting”.
3. Press the [7] numeric keys to open “Idle message” setting interface.
4. Enter the content of standby information (Up to 80 characters)→ Press [OK] key to finish setting.

5. Parameters Setting

5.1 System and label parameters setting

When the scale be in ready status, press [Menu] key to open the menu interface→ Press the [2] numeric keys to open “Para setting” interface.

ITEM	OPERATION	ILLUSTRATION
Scale No.	-Enter the scale No. -Press [OK] key to save	Integer between 0 and 99999999
Paper W (0.1mm, 300~560)	-Enter the printing width -Press [OK] key to save	Unit of length is 0.1mm, Value: integer between 300 and 560, e.g.: 56mm should be set to 560.
Paper H (0.1mm, 250~480)	-Enter the printing height -Press [OK] key to save	Unit of length is 0.1mm, Value: integer between 250 and 480, e.g.: 37mm should be set to 370.
Paper span (0.1mm,10~50)	-Enter the interval space of labels -Press [OK] key to save	Unit of length is 0.1mm, Value: integer between 10 and 50, e.g.: 2mm should be set to 20.
Printer gray (1~10)	-Enter the printing gray -Press [OK] key to save	1~10 class, more great more dark. Default is 7.

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Paper Sensor	-Set the peel inspection is enable or not -Press [OK] key to save	1:ON; 2:OFF
PLU name center	-Set whether print commodity's name in middle -Press [OK] key to save	1:ON; 2:OFF
Barcode	-Select the composition of barcode data types -Press [OK] key to save	**Type of label code as following:** 1: POS code + Sales amount(not round Kopeck) 2: POS code + Weight 3: POS code + Price 4: POS Code 5: POS Code + Weight (5 Digits) + Sales amount (round Kopeck) (18 digits) 6: POS code + Sales amount(round Kopeck) 7: POS code + Weight (5 digits) + Sales amount (not round Kopeck) (18 digits) 8: POS code + Sales amount (round Kopeck+ Weight(5 digits) (18 digits) 9: POS code + Sales amount(not round Kopeck) + Weight (5 digits)(18 digits) 10: 1 + Weight + POS Code 11: POS code + Price+ Weight (5 Digits) (18 digits) 12: POS Code + Weight (5 digits) + Price (18 digits) **Note:** Not round Kopeck = last digit is Kopeck. e.g.: 2.22 USD Round Kopeck = last digits is 10 Kopeck. e.g.: 2.2 USD (rounding)
PLU code LEN	-Enter the length of PLU code -Press [OK] key to save	1-8 figures
PLU code style	-Set the PLU code style --Press [OK] key to save	1:Prefix+code; 2:Only code
Prefix	-Set the prefix of PLU code -Press [OK] key to save	Integer between 0 to 99
QTY in barcode	- Set the number it represent quantity in barcode --Press [OK] key to save	Represents the number of package or fixed weight for goods 1: 1PCS=1000(×1000); 2: 1PCS=1(×1)
Round	-Set decimal places rounding -Press [OK] key to save	1: Decimal 3 round; 2: Decimal 3 remove; 3: Decimal 2 round; 4: Decimal 2 remove;

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Weight unit	-Set the unit of weight -Press [OK] key to save	1: Kg; 2: g
Price unit	-Set the weight of unit price -Press [OK] key to save	1: Per Kg; 2: Per 100g; 3: Per 500g
Price changeable?	-Set whether can change price in sale process -Press [OK] key to save	1: Yes; 2: No
Discount enable?	-Set whether can discount in sale process -Press [OK] key to save	1: Yes; 2: No
Date type	-Set whether print date on label -Press [OK] key to save	1: Don't Print date; 2: Print packing date; 3: Print EXP date; 4: Print both date (packing and EXP)
DEF. EXP date(day)	-Enter the default shelf life (day) -Press [OK] key to save	Integer between 0 and 99999
STAT. report	-Set whether enable statistics report function -Press [OK] key to save	1:ON; 2:OFF
Label format index	-Enter the index of label format -Press [OK] key to save and exit setting	Can store up to five formats (0-4) **Note:** After setting this item, the section "4.6" edit the label format is set for this index.

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6. PLU Setting

6.1 Set PLU

When the scale be in ready status, press [Menu] key to open the menu interface→ Press the [3] numeric key to open sub-menu of "PLU setting"→ Press the [1] numeric key open "Set PLU" interface, then set the parameters as following one by one:

ITEM	OPERATION	ILLUSTRATION
PLU No.	-Enter PLU No. -Press [OK] key	If the PLU No. is existed then into modify status, otherwise, into add status.
Barcode	-Enter PLU Code. -Press [OK] key	Commodity code (Part of barcode)
Name	-Enter the name of commodity. -Press [OK] key	
Price	-Enter the price of commodity. -Press [OK] key	
Type	-Set sales type -Press [OK] key	1: Weight; 2: Package; 3: Fixed weight

Fixed weight (g)	-Enter the fixed weight -Press [OK] key	Only valid and appear for goods which selling by fixed weight
Tare weight (g)	-Enter the tare weight -Press [OK] key	Only valid and appear for goods which selling by weight
Date type	-Set whether print date on label -Press [OK] key	1:Don't print date; 2:Print packing date; 3:Print EXP date; 4:Print both date(packing and EXP)
Def. exp date (day)	-Enter the shelf life (day) -Press [OK] key	1 to 5 figures
Price changeable?	-Set whether can change price -Press [OK] key	1: System default; 2: Yes; 3: No
Discount mode	-Set discount mode -Press [OK] key	1:No discount; 2:Special price; 3:Percent(%); 4:Coupon
Special price	-Enter special price -Press [OK] key	Only valid and appear for discount mode set to special price
Percent (%)	-Enter discount percent -Press [OK] key	Only valid and appear for discount mode set to Percent
Coupon	-Enter the amount of coupons -Press [OK] key	Only valid and appear for discount mode set to coupon.
Message (1~255)	-Enter message of commodity -Press [OK] key to finish setting	This message is set in the menu item "1.5. Message (1 to 255)", can be set up 255PCS.

Note:

1. **PLU Code:** It is a commodity code, is a part of label barcode data representing a commodity, this code requirements consistent with the cash register system commodity codes for this commodity.
2. **PLU No.:** It is a short code of commodity. Usually use it to set hotkey of commodity. Salesperson usually press hotkey or enters this No. then press [PLU] key to bring up to sell commodity.

6.2 Delete PLU

1. In ready status, press [Menu] key to open the menu interface.
2. Press the [3] numeric keys to open sub-menu of "PLU Setting".
3. Press the [3] numeric keys to select "Del PLU" function
4. Enter the PLU code which will be deleted.
5. Select "Yes" →Press [OK] key to execute.

6.3 Delete All PLU

1. In ready status, press [Menu] key to open the menu interface.
2. Press the [3] numeric keys to open sub-menu of "PLU Setting".
3. Press the [3] numeric keys to select "Del all PLUs" function
4. Select "Yes" →Press [OK] key to execute.

7. Reports Management

In ready status, press [Menu] key to open the menu interface→ Press the [4] numeric key to open "Reports" interface.

ITEM	OPERATION	ILLUSTRATION
Date & Time	Press [OK] key to view the next item	View the first label printing time after the last time delete report data.
Daily Total	Press [OK] key to	View the first label printing time after the last time

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Amount	view the next item	delete report data.
Daily Label Count	Press [OK] key to view the next item	View the first label printing time after the last time delete report data.
Clear-out Report	- Select “Yes” or “No” - Press [OK] key to execute	Delete all report data and can’t regain, please do it be careful!

Note: You need to enable the “Static report” function in “PARA setting” in menu, then the scale will automatically records and add up related data.

8. Factory Setting

8.1 Reset system setting

1. In ready status, press [Menu] key to open the menu interface.
2. Press the [5] numeric key to open sub-menu of “Factory setting”.
3. Press the [1] numeric key→Enter password (“12345678”) →Press [OK] key to execute “Reset system setting“ function.
4. The scale will re-boot.

Note: This operation will restore the scale settings for all parameters to the initial state of the factory, but it does not delete the PLU information, reports and other user data.

8.2 Restore factory setting

1. In ready status, press [Menu] key to open the menu interface.
2. Press the [5] numeric key to open sub-menu of “Factory setting”.
3. Press the [2] numeric key→Enter password (“12345678”) →Press [OK] key to execute “Restore factory setting” function.
4. The scale will re-boot.

Note: This operation will restore the scale settings for all parameters to the initial state of the factory, and **it will delete the PLU information, reports and all others user data and can’t regain, please do it be careful!**

9. System Test

9.1 Printer test

1. In ready status, press [Menu] key to open the menu interface.
2. Press the [6] numeric key to open sub-menu of “System test”.
3. Press the [1] numeric key or [OK] key to execute “Printer test” function.

10. View software version information

1. In ready status, press [Menu] key to open the menu interface.
2. Press the [7] numeric key to displays the current software version information.
3. Press [OK] key to exit.

11. Error and common troubleshooting

Before you inform the technique representative, you may refer the common troubleshooting as the following list. Many questions maybe occur do not because of the quality of the product rather a simple incorrect operation.

Eorrors	Discription
ERR-01	Invalid PLU code
ERR-02	Invalid PLU No.
ERR-03	Difference price when resale
ERR-04	No print paper
ERR-05	Forbid change price

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ERR-06	PLU not found
ERR-07	Wrong IP format
ERR-08	Wrong date or time
ERR-09	Invalid key input
ERR-10	Quantity or weight error
ERR-11	Money error
ERR-12	Memory full
ERR-13	Data input error
ERR-14	Data in memory error
ERR-15	Label Paper haven't peeled
ERR-16	Wrong MAC address format
ERR-17	Amount of money overflow
ERR-18	U-Disk error

Common troubleshooting:

1. **The screen does not display, or the display is not normal.**
   Check: The connection of display cable is properly connected, whether loose or completely embedded in the card in place.
   Solution: In the power off status, reconnect the display cable, then power on again.
2. **Turn on the power switch, the scale does not power on and booting.**
   Check: 1) the scale is connected to the power cord mains power outlet if there is electricity or not. 2) The power cord from the mains socket contacts is reliable. 3) The end of the power cord connected to a power outlet and scale reliability. 4) The fuse of scale is intact or not. 5) The power switch of scale is good.
   Solution: The power switch is in turn off (dial to the "O" logo side) statue, one by one to check the above items, after confirming that no problems then re- boot.
3. **Can't communicate with computer.**
   Check: 1) communication cable is good. 2) Communication cable to the scale and the computer are connected reliably. 3) PC software and scale software settings are correct. 4) The connected communication port of computer is good.
   Solution: The power switch is in turn off (dial to the "O" logo side) statue, one by one to check the above items, after confirming that no problems then re- boot.
4. **Weighing accuracy deteriorates, or inaccurate.**
   Check: 1) There is something under scale pan or not. 2) level is in the horizontal position.
   Solution: The power switch is in turn off (dial to the "O" logo side) statue, one by one to check the above items, after confirming that no problems then re- boot.

   Note: After checking process described above, if the fault persists, do not self-disassemble, and promptly contact your dealer or our service personnel to deal with matters related to maintenance.

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Appendix A. Default label printing format

Label editing item	Print or not	Letter font	Printing direction	Width	Height	Title	Space at edge	X-axis	Y-axis
1 Internal code	0								
2 Product Name	1	3	0					10	74
3 PLU Code	0							10	106
4 Price	1	1	0					52	106
5 Weight	1	1	0					105	138
6 Amount after discount	1	1	0					355	106
7 Label code	1		0	3	50			10	0
8 Date	1	0	0					345	138
9 Effective days	0								
10 Rectangle	0								
11 Time	0								
12 Amount before discount	0								
13 Expiry date	1	0	0					265	154
14 Discount rate	0								
15 Title 1	1	1	0			17		10	106
16 Title 2	1	1	0			21		110	106
17 Title 3	1	1	0			8		10	138
18 Title 4	1	3	0			22		170	138
19 Title 5	1	1	0			13		224	106
20 Title 6	1	0	0			5		224	138
21 Title 7	1	0	0			23		224	154
22 Title 8	0								
23 Title 9	0								
24 Letter string 1	1	3	0					60	190
25 Letter string 2	0								
26 Letter string 3	0								
27 Letter string 4	0								
28 Letter string 5	0								
29 Letter string 6	0								
30 Letter string 7	0								
31 Letter string 8	0								
32 Explanation text	0								

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Note: No.10 Rectangle Function only in Software Version 1.08 or above.

Appendix B. Default system parameters

Setting parameters	Value	Discription
Sacle No.	1	
Label width	448	448 x 0.125mm = 56mm
Label height	296	296 x 0.125mm = 37mm
Label internval space	20	
Printing greyness	7	More larger more deep
Label paper peeling check	1	Enable
PLUS printed in the centre	1	Yes
Label code type	0	Code + Sales amount (Not rounding Kopeck)
POS code length	7	
POS code type	0	Prefix+Internal code

POS code prefix	29	
Sales amount roudning type	0	Rounding at the 3rd. digits
Weight unit	0	kg
Price unit	0	/kg
Allow temporary price change	0	No
Allow Discounts	0	No
Lock the PLU function	0	Disable
Automatic printing function	0	Disable
Default printing date-time	3	Packaging date and effective date
Report Statistics	0	Disable

Appendix C. Menu lists and function description

Menu Items	Function
1.System Setting	
1.1.Date & time	
1.1.1.Date (YYYYMMDD)	Set system date (e.g.: 20131230)
1.1.2.Time(HHMMSS)	Set system date (e.g.: 123000)
1.2.Network	
1.2.1.IP	Set IP address of Ethernet (e.g.: 192.168.1.187)
1.2.2.MAC	Set MAC address of Ethernet (e.g.: 12345678)
1.3.Hot key	Hotkey corresponding PLU No.
1.4.String	
1.4.1.STR index (1~8)	Index of string
1.4.2.String	Content of string
1.5.Message (1~255)	
1.5.1.MSG index (1~255)	Index of message
1.5.2.Message(1~255)	Content of message
1.6.Label forma	Edit the format of label printing
1.7.Idel message	Display content when scale in standby status

2.PARA Setting	
2.1.Scale No.	Scale No. (Integer between 0 and 99999999)
2.2.Paper W (0.1mm, 300~560)	Width of label paper
2.3.Paper H (0.1mm, 250~480)	Height of label paper
2.4.Paper span (0.1mm, 10~50)	Interval space between labels
2.5.Printing gray (1~10)	Printing
2.6.Paper sensor	Set the peel inspection is enable or not
2.7.PLU name center(1~2)	Set whether print commodity's name in middle
2.8.Barcode	Select the composition of barcode data types
2.9.PLU code LEN(1~8)	Length of PLU code

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2.10.PLU code style(1~2)	PLU code style (1:Prefix+code; 2:Only code)
2.11.Prefix	Prefix of PLU code (Used to distinguish different types commodity)
2.12.QTY in barcode (1~2)	Represents the number of package or fixed weight for commodity in barcode. 1: 1PCS=1000(×1000); 2: 1PCS=1(×1)
2.13.Round	Decimal places rounding of amount
2.14.Weight unit	Such as “Kg”, “g” and so on
2.15.Price unit	Weight of unit price (1: Per Kg; 2: Per 100g; 3: Per 500g)
2.16.Price changeable? (1~2)	Whether can change price in sales process
2.17.Discount Enable?	Whether can discount in sales process
2.18.Date type	Whether print date information on label and the type of date for printing
2.19.DEF.EXP Date(day)	Default shelf life of commodity (day)
2.20.Static report	Whether enable statistics report function
2.21.Label format index	Set the index of label format for choice

3.PLU Setting	
3.1.Set PLU	Set commodity information
3.1.1.PLU No.	PLU number of commodity
3.1.2.Barcode	Commodity code (Part of barcode)
3.1.3.Name	Name of commodity
3.1.4.Price	Price of commodity
3.1.5.Sales type	1: Weight; 2: Package; 3: Fixed weight
3.1.6.Fixed weight(g)	Weight of commodity selling by fixed weight
3.1.7.Tare weight (g)	Tare weight of commodity, e.g.: weight of package
3.1.8.Date type	Whether print date information on label and the type of date for printing
3.1.9.DEF.EXP date(day)	Shelf life of commodity (days)
3.1.10.Price changeable?	Whether can change price in sales process
3.1.11.Discount mode	Discount mode of commodity
3.1.12.Special price	Special price of commodity
3.1.13.Percent (%)	Discount percent of commodity
3.1.14.Coupon	Coupon of commodity
3.1.15.Message(1~255)	Index of Message for commodity
3.2.DEL PLU	Delete a PLU according to PLU code (Barcode)
3.3.DEL ALL PLU	Delete all PLUs

4.Reports	
4.1.Date & time	View the first label printing time after the last time delete report data.
4.2.Daily total amount	View the first label printing time after the last time delete report data.
4.3.Daily label count	View the first label printing time after the last time delete report data.
4.4.Clear-out report?	Delete all report data and can’t regain, please do it be careful!

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5.Factory Setting	
5.1.Reset system setting	Restore the scale settings for all parameters to the initial state of the factory, but it does not delete the PLU information, reports and other user data. Confirm password: 12345678
5.2.Restore factory setting	Restore the scale settings for all parameters to the initial state of the factory, and **it will delete the PLU information, reports and all others user data and can't regain, please do it be careful!** Confirm password: 12345678

6.System Test	
6.1.Printer test	Execute printing function and print a test label

7.Version	Display the software version information

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