T-Scale

Technical Manual

IP30

Label Printing Scale

A2.76

21/04/2021

CONTENTS

1. SAFTY INSTRUCTIONS..... - 6 -
2. PRODUCT DESCRIPTION..... - 8 -
2.1. General..... - 8 -
2.2. Touch Screen..... - 8 -
2.3. Printer..... - 8 -
2.4. Interfaces..... - 9 -
2.5. Models..... - 9 -
2.6. Touch Screen (Example of Operation / User Interface)..... - 10 -
2.7. Customer Display..... - 11 -
3. INSTALLATION..... - 12 -
3.1. Unpacking..... - 12 -
3.2. Leveling Device..... - 12 -
3.3. Mounting Platter..... - 13 -
3.4. Rear Display Installation..... - 14 -
3.5. Cassette Label Printer..... - 15 -
3.6. Cassette receipt printer (Optional)..... - 17 -
3.7. Power Connection ..... - 19 -
3.8. Start Up..... - 19 -
3.9. Transport and Storage..... - 20 -
3.9.1. Decommissioning..... - 20 -
4. DISPLAY & KEY FUNCTIONS..... - 21 -
4.1. Operator Mode (Default Operation Interface)..... - 21 -
4.2. Display and Key Functions..... - 21 -
4.3. Built-in Keypad..... - 23 -
4.4. Client Display..... - 24 -
4.5. Main Menu..... - 25 -
5. OPERATION..... - 27 -
5.1. Function..... - 27 -
5.1.1. Power-Up..... - 27 -
5.1.2. Display Range..... - 27 -
5.1.3. Zero Setting..... - 27 -
5.1.4. Tare..... - 27 -
5.1.5. Preset Tare..... - 28 -
5.1.6. PLU (Price Look Up)..... - 28 -
5.1.7. Quantity..... - 28 -
5.1.8. Gravity..... - 28 -
5.1.9. Printing..... - 28 -
5.1.10. Software Version..... - 28 -
5.2. Operator Mode Operation..... - 29 -
5.2.1. PLU (Product Look Up) Search..... - 29 -
5.2.2. Manually Enter Unit Price/Quantity..... - 30 -
5.2.3. Sales Operation..... - 31 -
5.3. Receipt Mode Operation..... - 41 -
5.3.1. Direct Product Look-up:..... - 41 -
5.3.2. In-direct Product Look-up:..... - 41 -

5.3.3. Manually Enter Unit Price/Quantity..... - 41 -
5.3.4. Weighed Item PLU Operation..... - 42 -
5.3.5. Non- Weighed Item/ PCS PLU Operation..... - 42 -
5.3.6. Single item deletion..... - 43 -
5.3.7. All items deletion..... - 43 -
5.3.8. Printing..... - 43 -
5.3.9. Checkout..... - 44 -
5.3.10. Sales Return Operation..... - 47 -
6. DATABASE PROGRAMMING..... - 48 -
6.1. Product..... - 49 -
6.2. Category..... - 50 -
6.3. Department..... - 51 -
6.4. Operator..... - 52 -
6.5. Printing..... - 53 -
6.6. Tax..... - 55 -
7. DATA TRANSFER..... - 56 -
7.1. USB Flash Disk Data..... - 58 -
8. SETTING..... - 61 -
8.1. Menu Settings..... - 61 -
8.2. Settings Table..... - 61 -
8.3. Basic Information..... - 66 -
8.3.1. User Information..... - 66 -
8.3.2. Currency..... - 66 -
8.3.3. Price Decimal Places..... - 66 -
8.3.4.Price Decimal Point Mode..... - 66 -
8.3.5. Price Rounding..... - 66 -
8.3.6. Total Rounding..... - 67 -
8.3.7. Price Unit Setting..... - 67 -
8.4. Operating setting..... - 67 -
8.4.1. Clear Selection After Print..... - 67 -
8.4.2. Homepage after print..... - 68 -
8.4.3. Save input price..... - 68 -
8.4.4. Price update dialog..... - 68 -
8.4.5. Print Count..... - 68 -
8.4.6. Play audio after product selection..... - 69 -
8.4.7. Print Method..... - 69 -
8.4.8. Pre-pack Mode..... - 69 -
8.4.9. Shelf number..... - 69 -
8.4.10. Search by shelf number or PLU number..... - 70 -
8.4.11. Operation Prompt..... - 70 -
8.4.12. Mouse pointer..... - 71 -
8.4.13. Show Sale2 And Custom UI..... - 71 -
8.4.14. Show Extension keypad..... - 71 -
8.4.15. Require Password..... - 71 -
8.4.16. Scan For..... - 72 -
8.4.17. Print Second Label..... - 72 -
8.4.18. Label Report..... - 72 -
8.4.19. Print Ask..... - 72 -

8.4.20. Receipt Report..... - 72 -
8.4.21. Receipt Copy..... - 73 -
8.4.22. Remote Scale..... - 73 -
8.5. Back Display..... - 73 -
8.5.1 Slogan Setting..... - 73 -
8.5.2 Advertisement Window Mode..... - 74 -
9. TECHNICAL SETTING..... - 75 -
9.1. Window Skin..... - 77 -
9.2.Show main menu operation..... - 77 -
9.3.PLU Length..... - 78 -
9.4 Time Zone..... - 78 -
9.5 Label Report Clear..... - 79 -
9.6 Backup and Restore..... - 79 -
9.7 Forced Printing..... - 83 -
9.8 Print on zero total..... - 83 -
9.9 Print Zero Weight As One..... - 84 -
9.10 Weight to pieces..... - 85 -
10. LAUNCHER..... - 87 -
10.1 Application..... - 88 -
10.2 Install application program..... - 89 -
10.3 Install LAUNCHER program..... - 91 -
10.4 System Information..... - 93 -
10.5 Touch screen setting..... - 93 -
10.6 VNC Setting..... - 93 -
10.7 Date and Time Setting..... - 94 -
10.8 Brightness Setting..... - 95 -
10.9 Language Setting..... - 95 -
11. COMMUNICATION..... - 96 -
11.1. General..... - 96 -
11.2. RS232 wire connection..... - 96 -
11.2.1. Specifications..... - 96 -
11.2.2. RS-232 (DB9 type connector)..... - 97 -
11.2.3. Continues weight output..... - 97 -
11.3. Ethernet Connection..... - 99 -
11.3.1. Ethernet straight wire connection..... - 99 -
11.4 WLAN connection..... - 101 -
12. REPORTS..... - 103 -
13. CALIBRATION..... - 107 -
14. TROUBLE SHOOTING..... - 109 -
14.1. Error messages..... - 110 -
15. MAINTENANCE..... - 111 -
15.1. Preventive Maintenance..... - 111 -
15.2. Cleaning (External)..... - 112 -
15.3. Printer Cleaning..... - 112 -
15.4. Print Test..... - 114 -
16. TECHNICAL DATA..... - 115 -
16.1. General Specification..... - 115 -
16.2. Label Printer Specification..... - 116 -

16.3. Receipt Printer Specification..... - 116 -
16.4. Load Cell Specification..... - 117 -
16.5. Overall Dimensions..... - 119 -

1. SAFTY INSTRUCTIONS

	WARNING
	DISCONNECT ALL POWER TO THIS UNIT BEFORE INSTALLING, CLEANING, OR SERVICING. FAILURE TO DO SO COULD RESULT IN BODILY HARM OR DAMAGE THE UNIT.

	CAUTION
	• **Permit only qualified persons to service the instrument** • **Before connecting or disconnecting any components, remove the power.** • **Failure to observe these precautions bodily harm or damage to destruction of the equipment.**

SAFTEY INSTRUCTION

The weighing scale is a precision electronic instrument, handle it carefully.

1) **The device must only be operated by personnel trained in the operation of this equipment.**
2) **The operating personnel must read and understand the safety instructions in these operating instructions.**
3) **To prevent any accident, only qualified service personnel is authorized to open this device!**
4) **Verify the local voltage and receptacle type are correct for the scale.**
5) **Only use original adaptor, other could cause damage to the scale.**
6) **Pluggable equipment must be installed near an easily accessible socket outlet.**
7) **Avoid unstable power sources. Do not use near large users of electricity such as welding equipment or large motors.**
8) **Avoid sudden temperature changes, vibration, wind and water.**
9) **Avoid strong pressure or scratching the surface with hard, sharp or pointed objects.**
10) **Avoid heavy RF noise.**
11) **Scale is not waterproof and insect prevention. Do not spray or immerse scale in water. Please keep scale clean.**
12) **Do not install the scale in direct sunlight.**
13) **Do not use tools to open the casing.**
14) **Do not use organic acid, alkaline solutions, scouring powders or plastic dissolving cleaning agents for cleaning.**

2. PRODUCT DESCRIPTION

2.1. General

The IP30 T-Touch label printing scale series include full-fledged features, interfaces, 7 inch definition customer displays.
The standard models are high end products for customers who aim for luxurious functions. T-touch Intelligent scale functions ensure that user can easy to find the PLU's , fast and reliable.

With the use of a Touch Screen user interface it is possible to also control Self-Service scales from the back office by using T-Touch Central Software.

Major Features

- Linux Operating System
- ARM CORTEX A17 processor based design
- Resistive Type Touch screen
- HD LCD
- 2GB RAM, up to 99999 PLU storage
- Different methods of communications: RS232 , Ethernet, Wi-Fi, USB Host for keyboard /Mouse/Scanner interface.
- Three ranges and selectable basic unit such as kg, g, lb, oz, tj, gj,lb:oz.
- All options are controlled from menu. No spec list provided and easy to operate.
- Mapping of logical devices to physical devices option enables rerouting of data output/input to working physical device.

2.2. Touch Screen

- IP30 delivered with Resistive type TFT Touch Screen Display
- The Touch Screen functions based on the resistive type, Touch Screen Display only depends on the applied pressure and not on the material itself; So that the Touch Screen can also be operated with finger tips, pen tips and rubber gloves.
- The resolution of the 10" display is 1280 x 800 pixels

2.3. Printer

IP30 is equipped with Cassette System Label printer.Printing resolution is 8dots/mm, printing speed 100mm/s, max printing width 54mm.Optional receipt printer.

2.4. Interfaces

IP30 is equipped with 1xRJ45, 1xRJ11, 2xUSB2.0, and 2 x RS232 interface

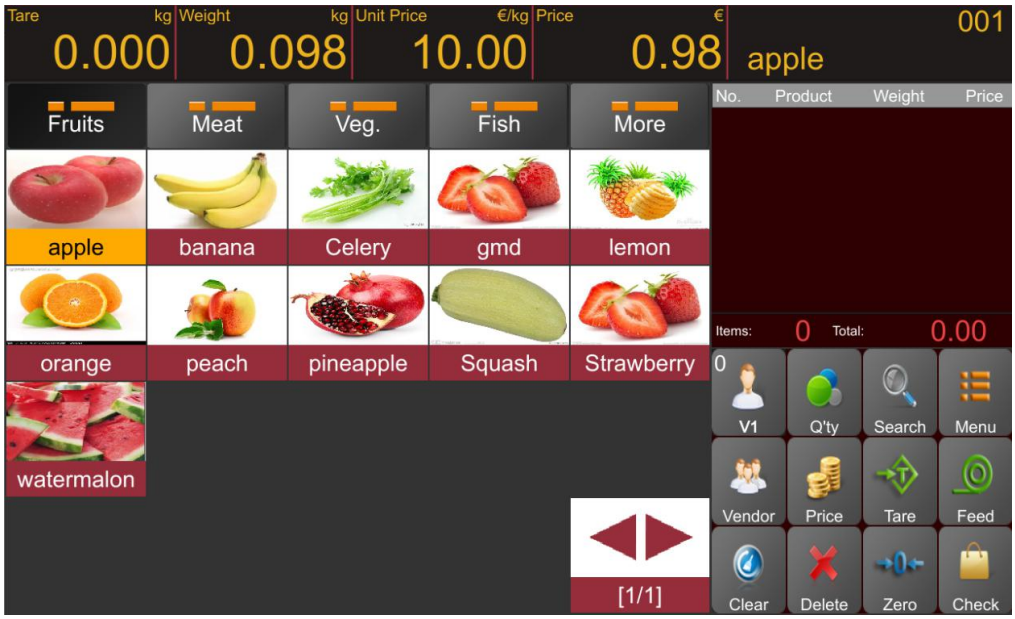
No.	Interface	Quantity	Description
1	OTG	1	For update system software
	USB2.0		For mouse, keyboard, bar code scanner,avoid using for charging other device
2	USB2.0	1	For mouse, keyboard, bar code scanner,avoid using for charging other device
3	RJ45	1	Ethernet (Giga LAN)
4	RJ11	1	Cash drawer（12V）
5	RS-232	2	For printer or other supported equipment

2.5. Models

The IP30 T-Touch label printing scale series include full-fledged features, interfaces, and choice of 7” Pole type normal definition customer displays.

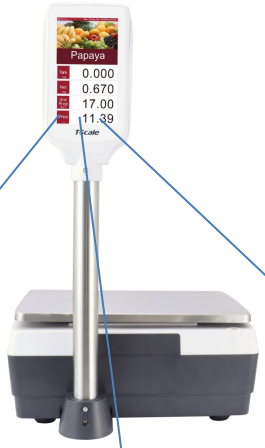
2.6. Touch Screen (Example of Operation / User Interface)

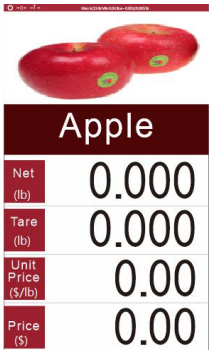
Labeling Mode



Receipt Mode

2.7. Customer Display





Product Information

Image Advertisements

Video Advertisements

3. INSTALLATION

3.1. Unpacking

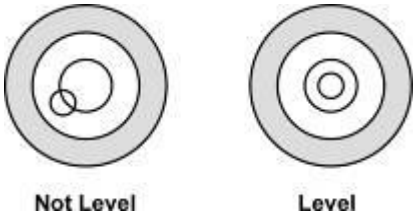
Carefully take the scale out of its package, make it sure its not damaged and all accessories are included.

Accessories
1.Scale
2.Pole display assembly
3.AC main power cord
4.Stainless steel pan
5.Product manual
Keep the packaging material for your future use.

3.2. Leveling Device

The installation, leveling and application are handled by TSCALE authorized person.

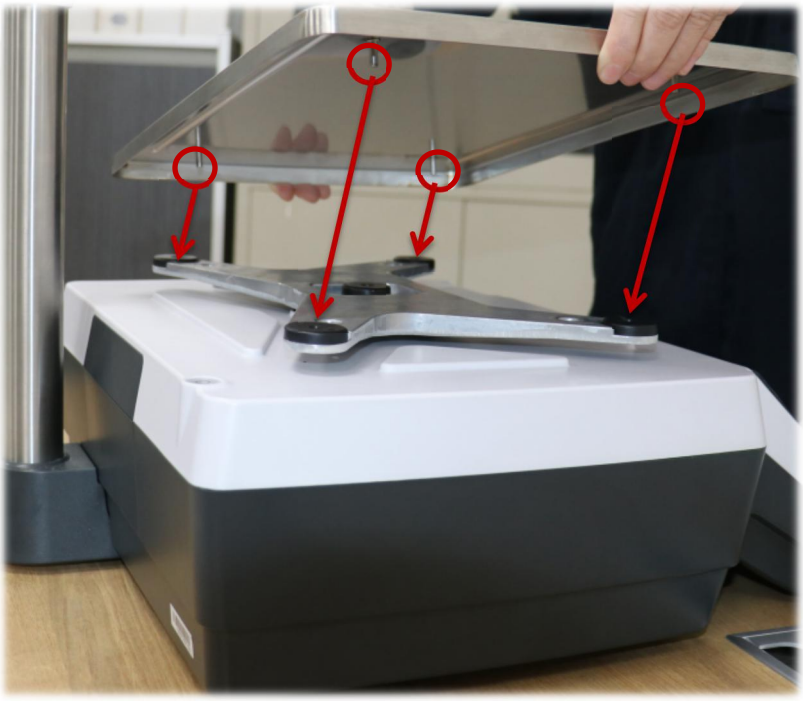
Scale should only be connected to the mains with the power cord
The water level is used to level your scale. It is fixed at the back of the device.



- ✓ **Bubble has to be in the center of the water level.**
- ✓ **The correct alignment of the device can be achieved by adjusting the adjustable scale feet.**
- ✓ **The water level should be checked regularly to assure a correct level reading.**
- ✓ **When moving the scale, the level should be checked and corrected if necessary.**

3.3. Mounting Platter

Platter has to be installed correctly on the pan receptacle



The platter surface should be checked regularly to assure any foreign materials stored.

3.4. Rear Display Installation

① Take out pole display assembly

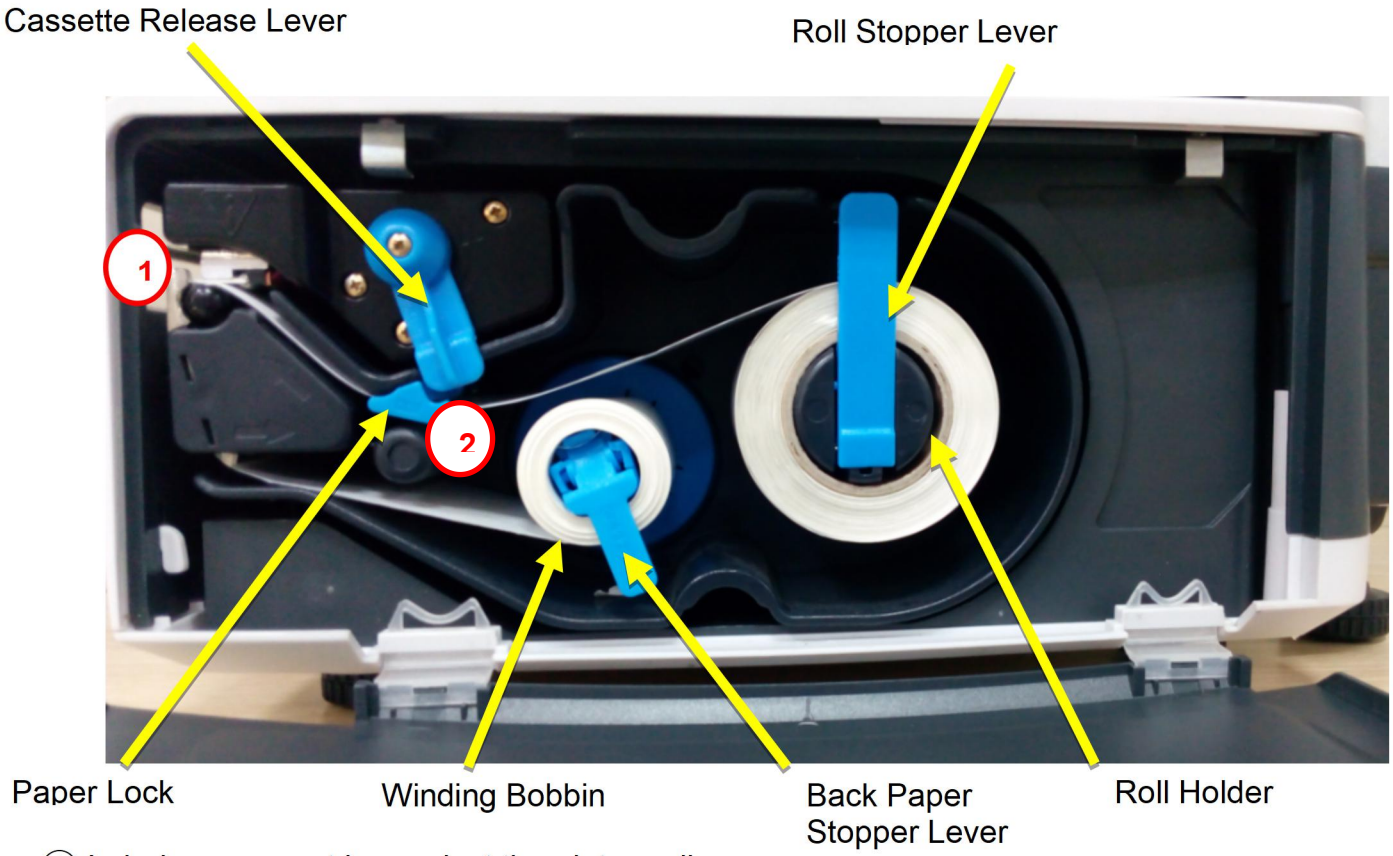
②Connect male and female connectors well

③ Take the cable connectors into the pole

④ Insert pole with cable to the holder

⑤ Using the screw to fix the pole to the holder

3.5. Cassette Label Printer

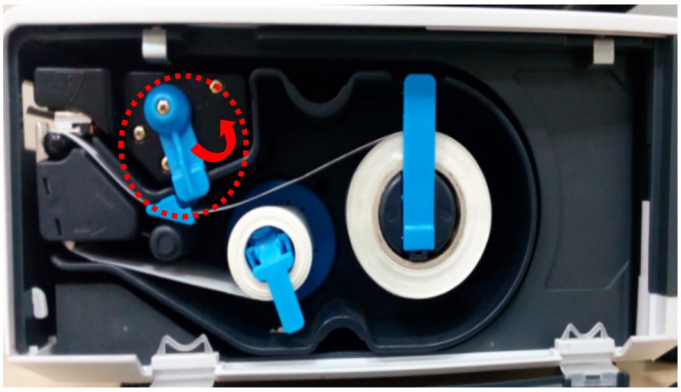


① Label paper must be against the platen roller

② Back paper must go under this bar

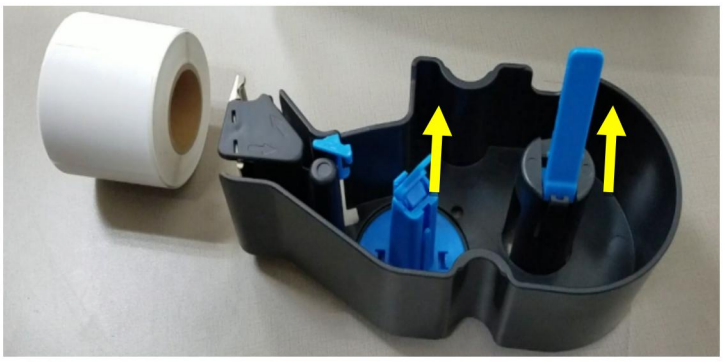
3.5.1.Replacement of Label Roll

① Open the printer cover

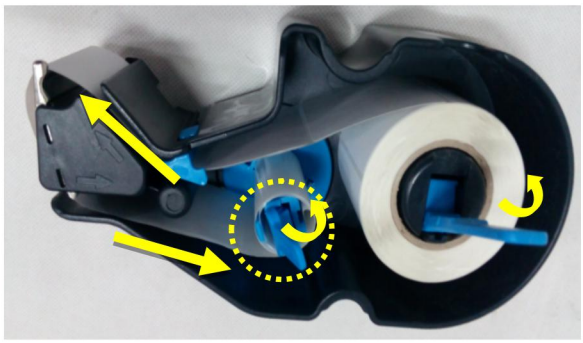


② Turn lever to open position

③ Remove the cassette



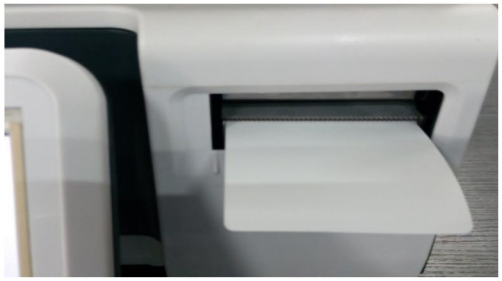
④ Release stopper levers then
Remove back paper roll and label core



⑤ Load new label roll, then insert
Back paper under the slot of winding
Bobbin and close the stopper levers

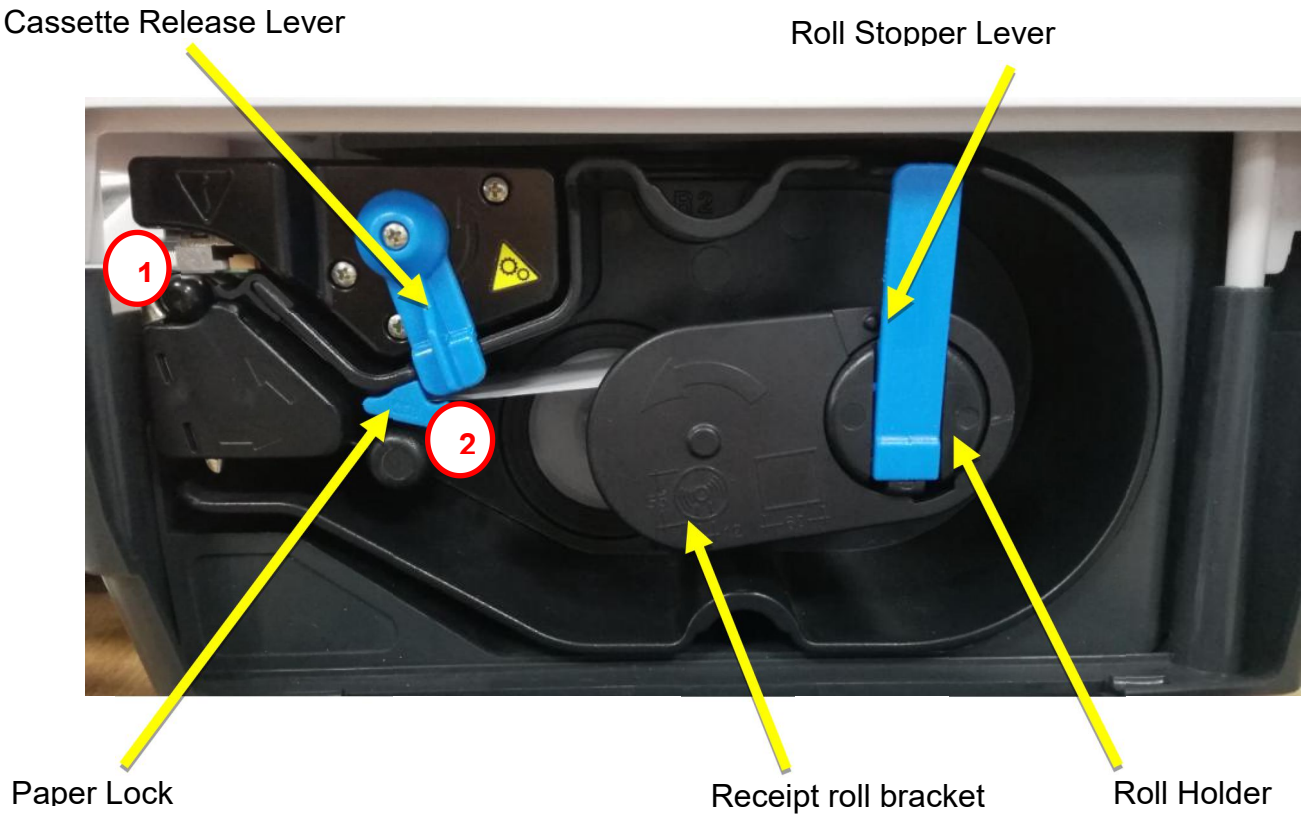
⑥ Insert the Cassette and Turn lever to
close position

⑦ Close the printer cover



⑧ Press the feed key

3.6. Cassette receipt printer (Optional)



① Receipt paper must be against the platen roller edge

② Back paper must go under this bar

Replacement of Receipt Roll

① Open the printer cover

② Turn lever to open position

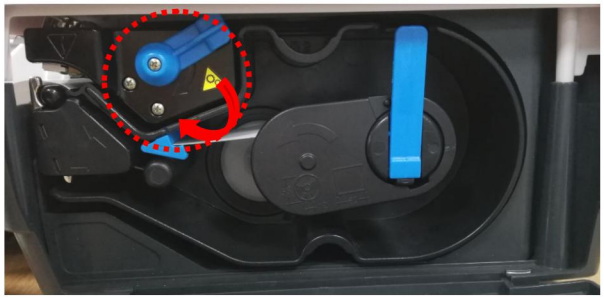
③ Remove the cassette

④ Release stopper levers then
Remove receipt roll bracket and receipt roll

⑤ Load new receipt roll, then insert Receipt paper under the slot of winding Bobbin

⑥ Insert the bracket ,one side to receipt roll ,the other side to roll holder

⑦ Turn lever to close position under the arrow position ,one side of bracket should be aligned with the hole position.

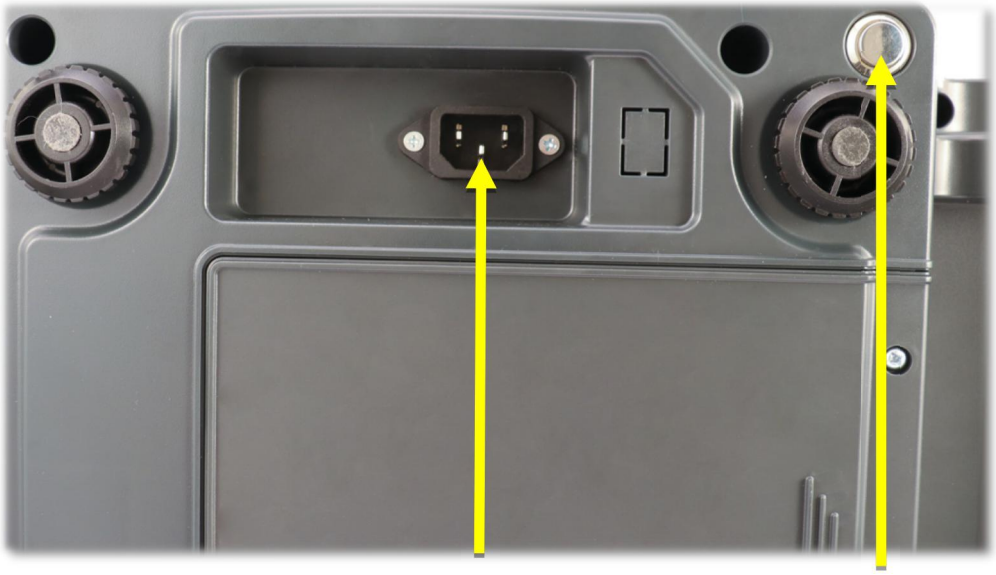


⑧Turn lever to close position

⑨ Close the printer cover

⑩ Press the feed key

3.7. Power Connection



Power Cord Socket Power On/Off key

A) Connect the supplied power cable to the power connection socket of the scale.

B) Plug the power plug into a correctly grounded power outlet.

3.8. Start Up

Putting into operation.

The device has been installed properly and connected to the mains power supply.
The scale must not be loaded.

1) Once connected to the mains power supply ,the scale will be switched on automatically.

2) Switch on device

Power on: The power-on button is located below the scale.

Long press power-on button until hearing the" beep" sound and the scale is on.

3) Power off

Method 1: Press key at the main menu screen, and press “Power Off” at the pop up screen to power off

Method 2: Long press power-on button,the power will be off.

4) Restart scale

Press key at the main menu screen, and press “Restart” at the pop up screen to restart the scale ,scale will power off and then come to normal weighing mode.

Note: Avoid disconnecting the mains power supply directly when switch off the scale, otherwise the weighing data will be lost.

3.9. Transport and Storage

Always transport and store the device in its original packaging.

3.9.1. Decommissioning

Switch off the scale

Remove all cables and connections from the scale

Clean the scale as per the cleaning instructions

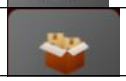
Store the device in its original packaging

4. DISPLAY & KEY FUNCTIONS

4.1. Operator Mode (Default Operation Interface)

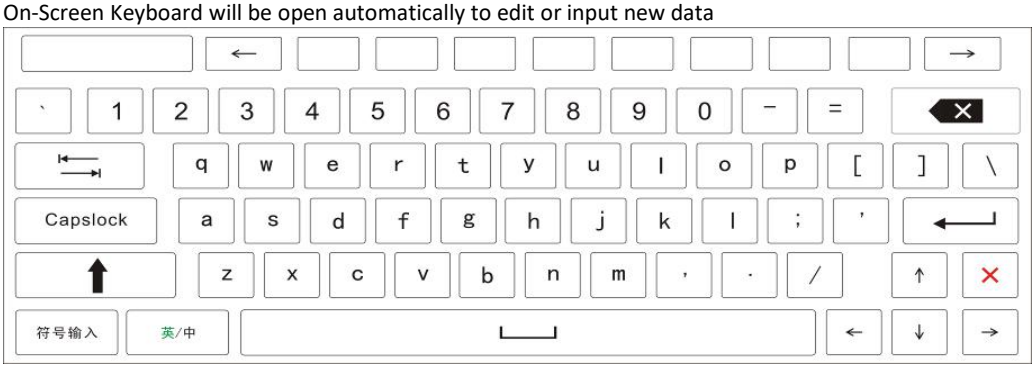
4.2. Display and Key Functions

No	Indicator	Name	Description
1	→0←	Zero	For displaying current weighing status
		Stable	
2	Technician	Operator	For display operator
3	Max 30kg Min 20g	Capacity	For capacity, division and minimum weight
4	A2.25z	Software version	For displaying software version
5	2017-02-07 10:04	Date & Time	For displaying date & Time
6	Tare lb 0.00	Tare Display	For displaying tare weight value
7	Weight lb 0.00	Weight Display	For displaying weight value
8	Unit Price $/lb 10.70	Price Display	For displaying unit price
9	Price $ 0.00	Total Display	For displaying total price
10	00005 Banana	Product Display	For displaying the current product

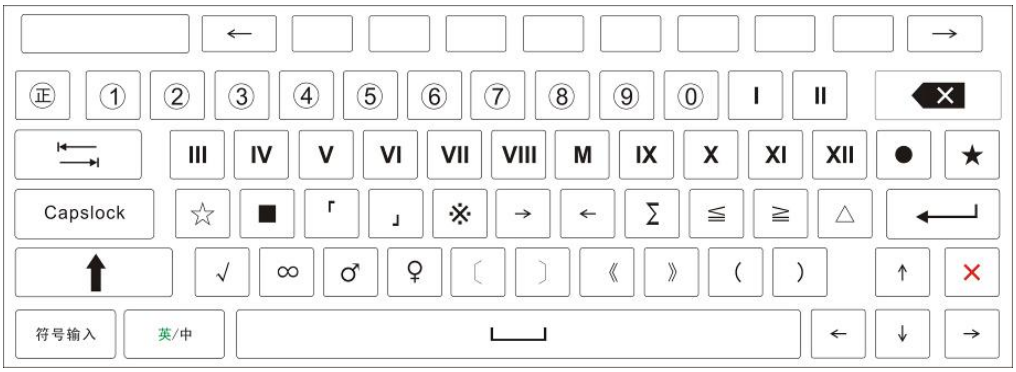
11		Group Key	To categorize products in different groups
12		PLU Keys	For display PLU name & number or PLU picture & name
13		PLU look-up Key	To look-up PLUs
14		Price Key	To enter unit price manually
15		Q'ty Key	Enter product quantity (Product unit price should be entered first)
16		Clear Key	To clear selected products and numeric keys
17		Tare Key	Use this key to perform tare.
18		Zero Key	Use this key to zero the scale.
19		Menu Key	To enter main page
20		Feeding Key	To test if the printer is feeding paper correctly
21		Print Key	To print out label
22		Pre-Pack Key	To print multi- labeling

4.3. Built-in Keypad

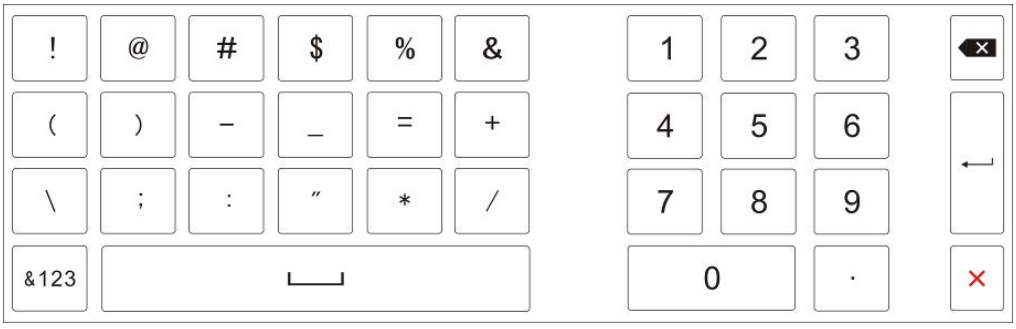
On-Screen Keyboard will be open automatically to edit or input new data



Special symbols keyboard

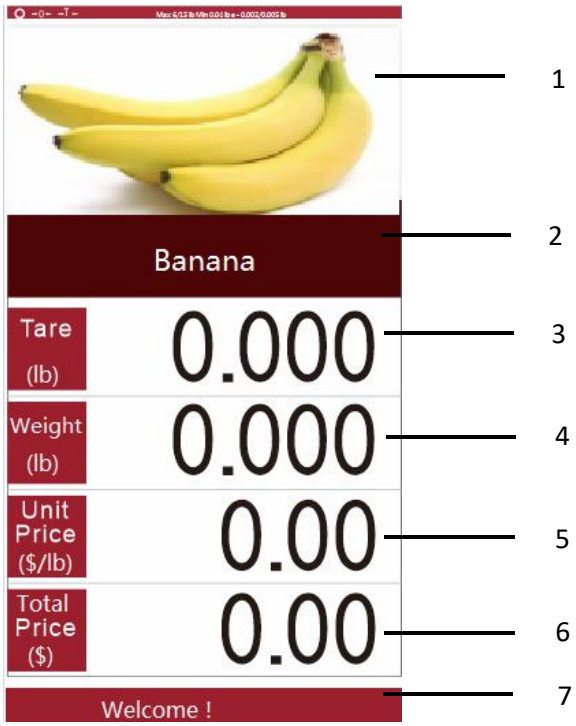


Numeric keyboard



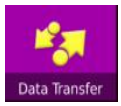
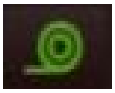
	Backspace
	When input text, use this key to change line
&123	Special symbols and numeric keys.
×	Close key board
Caps Lock	Shift to Capital letter / small letter.
SIGN	Press here to change sign

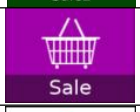
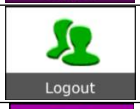
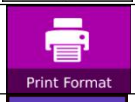
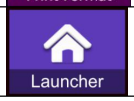
4.4. Client Display



No.	Display/Indicator	Description
1	Product image	To display the selected product image
2	Product name	To display the selected product name
3	Tare	To display tare weight
4	Weight	To display product's weight
5	Unit Price	To display the unit price
6	Total Price	To display the total price
7	Slogan	To display slogan

4.5. Main Menu

	Icons	Name	Description
1		Sales Button	Operation View
2		Database Settings	Product, Category, Format..
3		Data Transfer	Data import and export
4		Basic Settings	General Settings
5		Technical Settings	Technical Settings
6		Power Button	Power Off
7		Zero Button	Perform Zero
8		Tare Button	Perform Tare
9		Feed Button	Paper Feed/Calibrate Test

10		Paper Recycle Switch	Recycle on/off
11		Report Button	Check/Print Reports
12		Sales 2	Used for checkout application
13		Sale	Used for custom UI
14		Logout Button	Logout from current account
15		Print Format	Receipt Format Management
16		Launcher programme	Used for system setting and network communication,ect.

5. OPERATION

5.1. Function

5.1.1. Power-Up

On Power-up, the scale will first perform to show system T-Touch and follow to show company logo. After that the scales will establish the current weight as a new zero reference and then automatically start up in menu mode from where the mode for weighing can be selected.

It's may be secured (username & password may require to access, if it's add operators name) to access the menu mode and weighing mode (sale mode).

5.1.2. Display Range

The scales will display weight from –Max (tare function) to Max (gross weight)

5.1.3. Zero Setting

Zero setting allows to do by pressing

key, only it's possible when the load receptor is not in motion.

5.1.4. Tare

Label scales are provided with a semi-automatic subtractive tare.

The weight of any container can be tared by pressing

button so that with subsequent weighing the net weight of the object being weighed is always displayed.

Tare Operation:

1)Load weight on the platform.

2)Press

key. Zero is displayed, and tare is subtracted.

3)Remove weight on the platform. Tared weight is displayed. It can set only one tare value. It will be shown with a minus value.

4)This Tare value can be cleared by pressing

key, when there is no load on the platter. This tare entry cannot take place, if the platter is in in motion.

5.1.5. Preset Tare

Label scales have a preset tare function, Press and hold

key until to show a pretare window to input the tare value, by clicking “OK” key allows to store “Tare” value as per input.

5.1.6. PLU (Price Look Up)

T-Touch Label scales can store up to 99999 unit price values, these are accessed using the PLU keys or PLU Searching Key.

5.1.7. Quantity

PLU allows calculating total quantity price, however, not be regarded as the weighing results.

5.1.8. Gravity

The scales have the gravity compensation function making it possible to perform the verification at a place with another gravity constant than the place of use.

5.1.9. Printing

The scales have a built-in printer, when the user clicks the

option,the label can be print out.

5.1.10. Software Version

The software is separated in weighing software, application software, screen key board software, and printing software.

5.2. Operator Mode Operation

5.2.1. PLU (Product Look Up) Search

Product names allows to search by the assigned UI keys (Direct PLU) or by using Search key

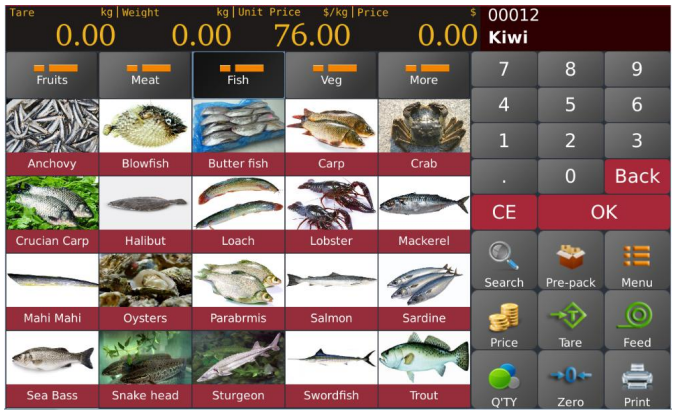
5.2.1.1. Direct PLU

Click the PLU from the pages.

Use group key

to select different product groups or category.

Meat group



Fish group

Veg Group

Fruit Group

More Page/Group Window list

Note: Page/ Group list will be available according to the Pre-Key Settings only.

5.2.1.2. In-direct Product Look-up

Click

key to enter product look-up page.

a) Product searching by using PLU number

b) Product searching by using names

5.2.2. Manually Enter Unit Price/Quantity

1)When the product info is not pre-established in the scale;

2) Click

key to enter unit price manually;

3)Click OK to confirm and follow to weigh;

4)For Non weight product, enter unit price and follow to enter quantity manually to get the PCS of the products;

5)Click

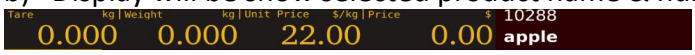
key to enter manually enter quantity.

5.2.3. Sales Operation

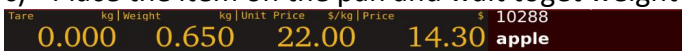
5.2.3.1. Weighed Item PLU Operation

a) Select a Weight PLU from the direct PLU list or Indirect PLU list.

b) Display will be show selected product name & number



c) Place the item on the pan and wait toget weight stable,



d) Then press

key to get print out label.

e) Remove item from the pan for the next operation

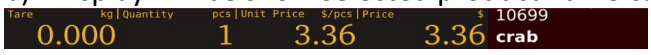
Note: By pressing

key allows clearing the current product name & price, or by selecting a new PLU key will be clear existing PLU name & price automatically.

5.2.3.2. Non- Weighed Item/ PCS PLU Operation

a) Select a Non –Weighed PLU from the direct PLU list or Indirect PLU list.

b) Display will be show selected product name & number and default number of item.

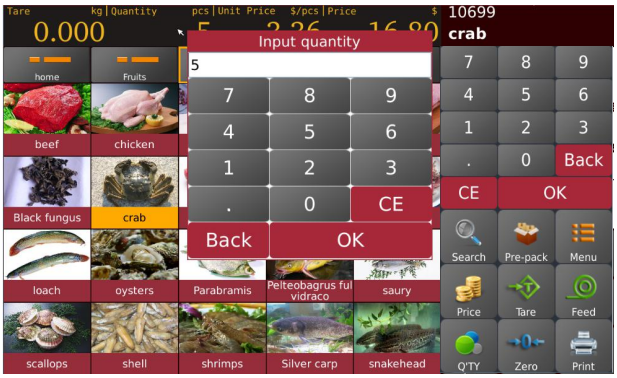


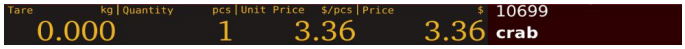
c) By clicking

key

or By clicking

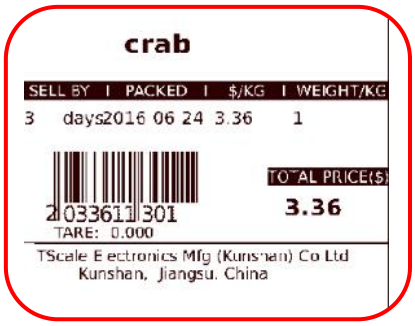
Quantity Window allows to input required PCS value





d) Then press

key to get print out label.



Note: By pressing

key allows clearing the current product name & price, or by selecting a new PLU key will be clear existing PLU name & price automatically.

5.2.3.3. Pre-Pack Operation-Weighed Items

Note: For choosing Pre-Pack mode of operations, Please refer Settings > Operation Settings > Pre –Pack Mode

By pressing

key once will start pre-pack function start for printing

5.2.3.3.1. Pre-pack Mode - When in Stable operation for No of item/package

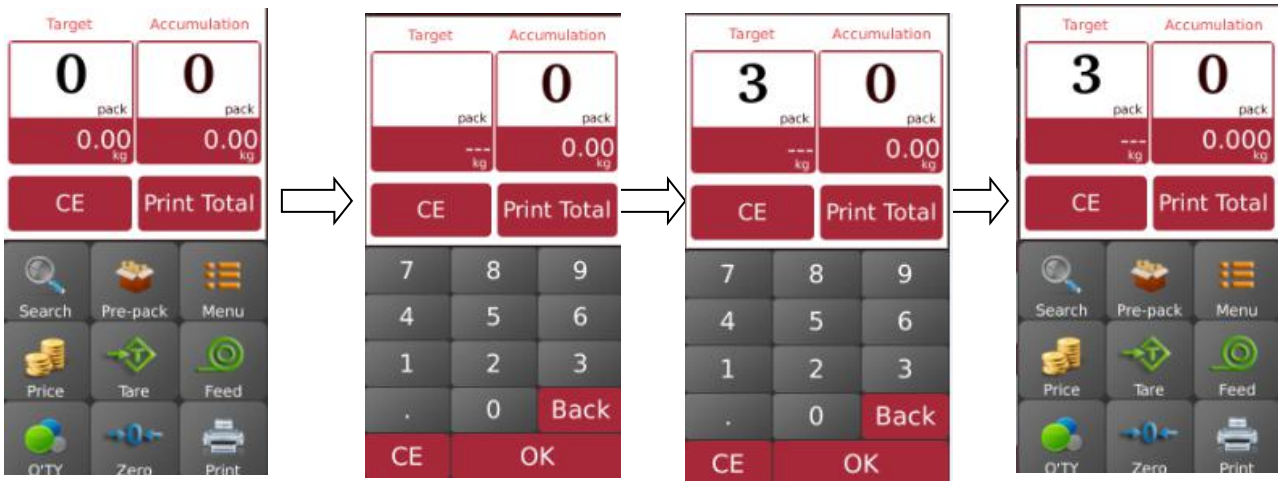
It's allows to do the print automatically when the loaded item gets stable and should be return to zero and load an item for next printing .

Click Pre-Pack

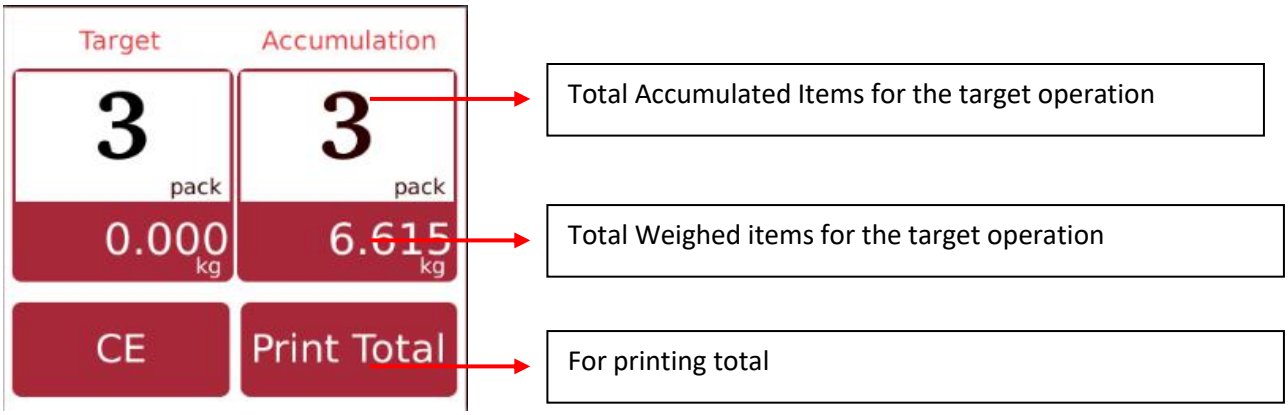
key , the display will be show pre-pack operation

a) Select a Weight PLU from the direct PLU list or input values for non-PLU.
b) Display will be show selected product name & number

c) Click target Window to input number of pack and follow to click OK key



a) Place the goods on the pan and wait for getting stable, then press key to start to print out labels.
b) Remove goods from the plater and load a new item on the plater for labeling, it will print automatically next label.



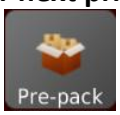
c) Remove item from the pan for the next operation

Note: By pressing

key allows clearing the current product name & price, or by selecting a new PLU key will be clear existing PLU name & price automatically.

5.2.3.3.2. Pre-Pack Mode - When in Stable operation for No of weight/package

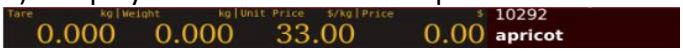
It's allows to do the print automatically when the loaded item gets stable and should be return to zero and load an item for next printing .

Click Pre-Pack 

key , the display will be show pre-pack operation

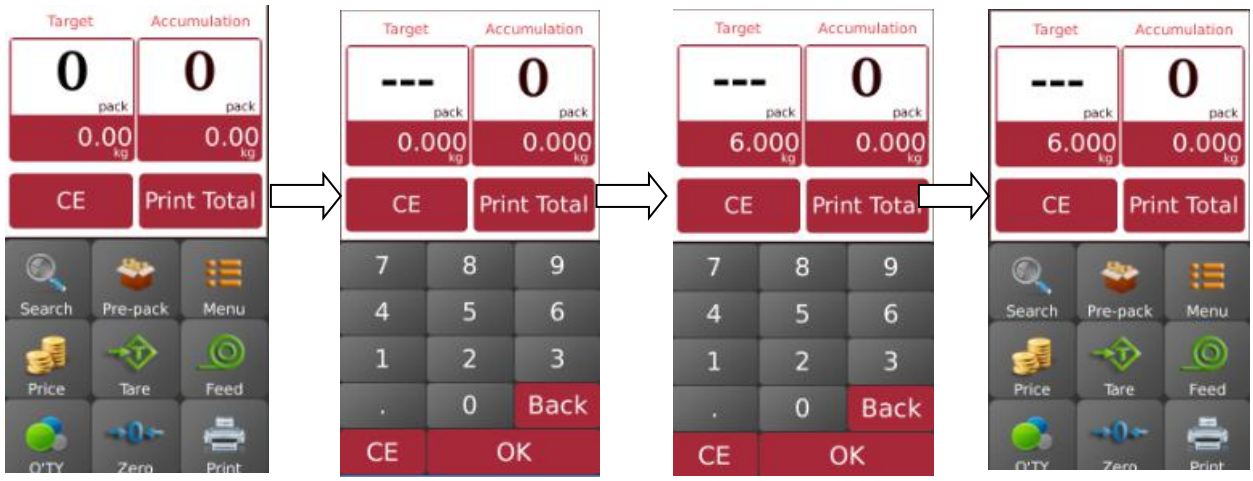
a) Select a Weight PLU from the direct PLU list or input values for non-PLU.

b) Display will be show selected product name & number



c) Click target weight Window

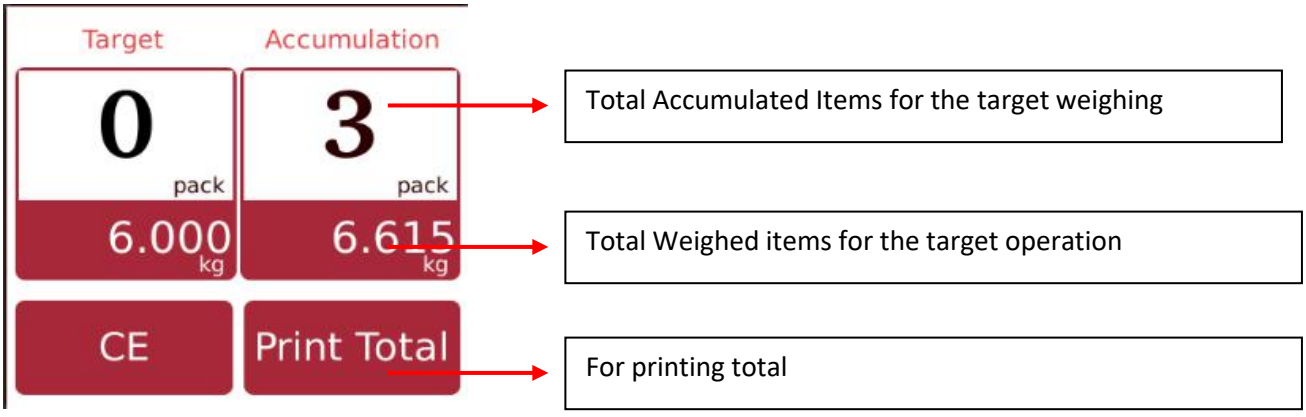
for inputting weight of the pack and follow to click OK key



d) Place the goods on the pan and wait for getting stable, then press

key for print out labels.

e) Remove goods from the plate and load a new item on the plate for labeling, it will print automatically next labels.



f) Remove item from the pan for the next operation

Note: By pressing

key allows clearing the current product name & price, or by selecting a new PLU key will be clear existing PLU name & price automatically.

5.2.3.3.3. Pre-Pack Mode – Repeat Print

It's allows to do the print multi labels automatically when the printed label removed

By item/weight package settings operation as per the section 2.2.3.3.1 & 2

PS: Must be choose the function, Operation Settings > Print after paper is removed > ON for printing next label when the printed label removed

5.2.3.3.4. Pre-Pack Mode – Manual Print

It's allows to do the print manually by pressing

key when the loaded item gets stable and should be return to zero and load an item for operation .

5.2.3.4. Non PLU - Weight item Operation

a) Click the

key input unit price for the item and follow to click OK to confirm

b) Place the item on the pan and wait toget weight stable,

c) Then press

key to get print out label. Label will be print "Other" instead of product name

d) Remove item from the pan for the next operation

Note: By pressing

key allows clearing the current unit price, or Click the

key toinput **new** unit price..

5.2.3.5. Non PLU - Non- Weighed Item/ PCS Operation

a) Click the

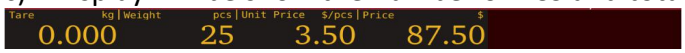
key input unit price for the item and follow to click OK to confirm

b) By clicking

key or By clicking

Quantity Window allows to input required PCS value

c) Display will be show the number of PCS and total price accordingly,

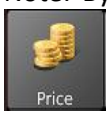


d) Then press

key to get print out label. Label will be print "Other" instead of product name

Note: By pressing

key allows to clearing the current quantity & price, or clicking

key or 

key for inputting new values.

5.2.3.6. Pre-Pack Operation-Non-Weighed Items

Note: It should be choose a Non-Weighing PLU or enter the Qty items in advance for operate Pre-Pack Mode

By pressing

key once will start pre-pack function for printing

5.2.3.6.1. Pre-Pack Mode – Repeat Print

It's allows to do the print multi labels automatically when the printed label removed

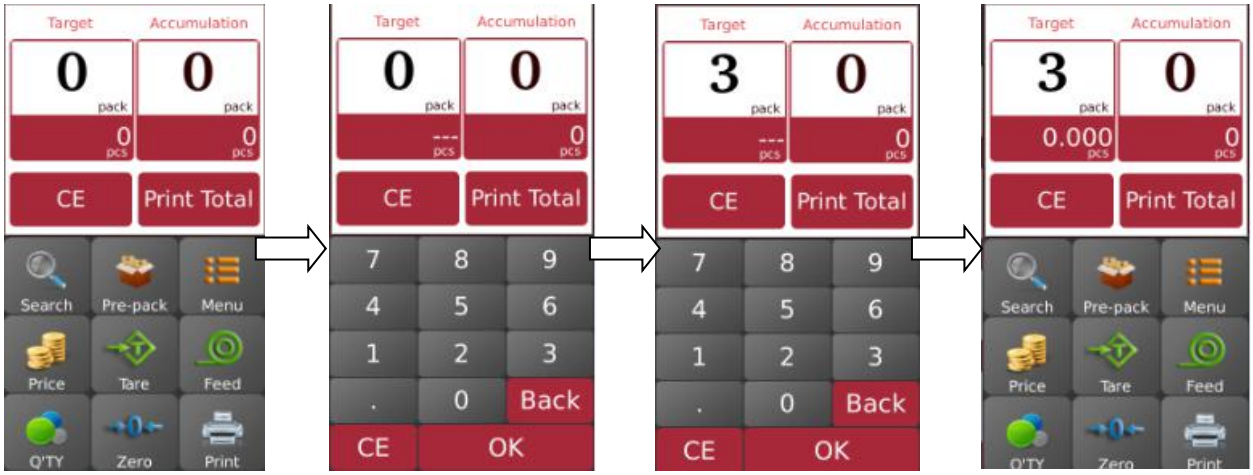
PS: Must be choose the function, Operation Settings > Print after paper is removed > ON for printing next label when the printed label removed

Select a Non- Weight PLU from the direct PLU list or input quantity for non-PLU and follow to Click

key , the display will be show pre-pack operation

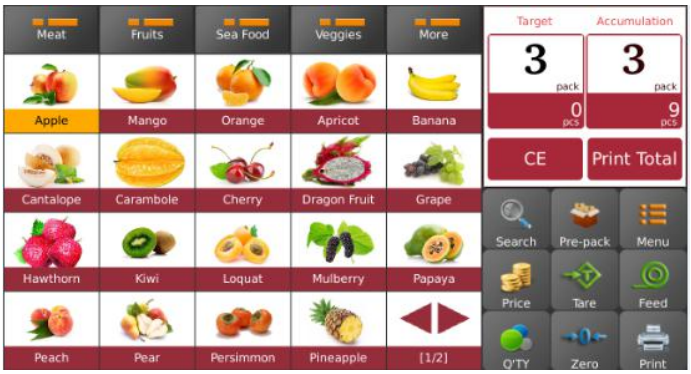
a) Click target Window

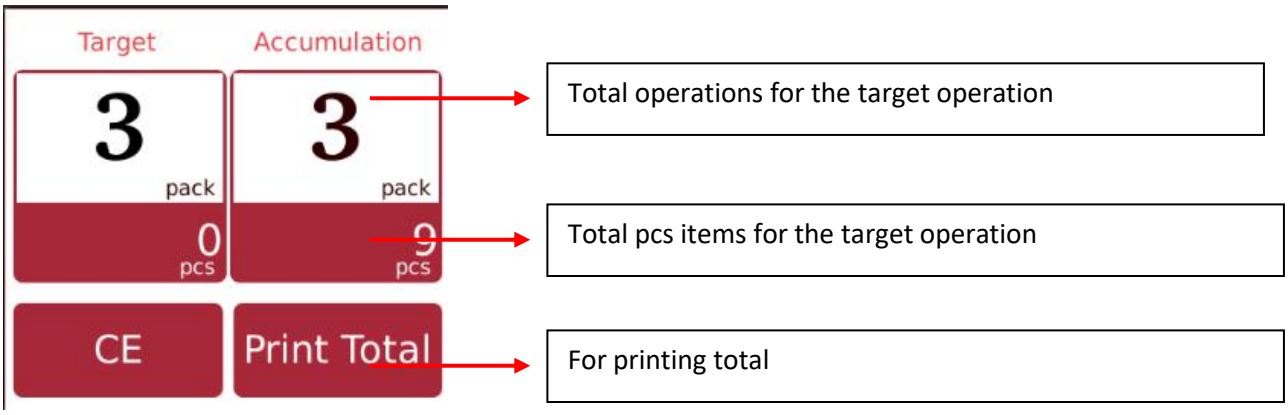
to input number of pack and follow to click OK key



b) Then press key to start to print out labels.

c) It will print automatically next label when it's removed printed label.





Note: By pressing key allows clearing the current product name & price, or by selecting a new PLU key will be clear existing PLU name & price automatically.

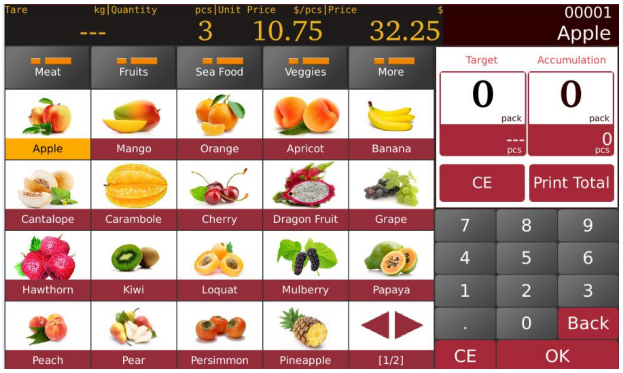
5.2.3.6.2. Pre-Pack Mode – Manual Print

It's allows to do the print by pressing

key when the printed label removed

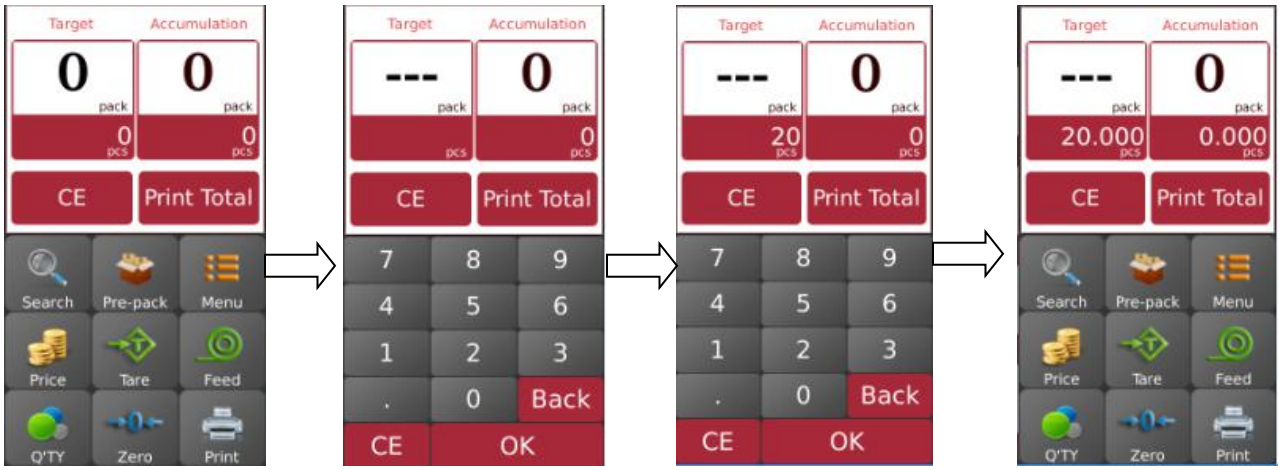
a) Select a Non- Weight PLU from the direct PLU list or input quantity for non-PLU and follow to Click

key , the display will be show pre-pack operation



b) Click target Window

to input number of pack and follow to click OK key



d) Then press

key to start to print out labels.

e) Remove the label and press

key to start to print out next label.

Total operations

Total pcs

For printing total

Note: By pressing CE key allows clearing the current product name & price, or by selecting a new PLU key will be clear existing PLU name & price automatically.

5.3. Receipt Mode Operation

Click

button in the main interface to enter the receipt mode. If there is no button on the main interface, you need to enter Setting> Operation Setting> Show Sale2 and Custom UI, set to Both on.

5.3.1. Direct Product Look-up:

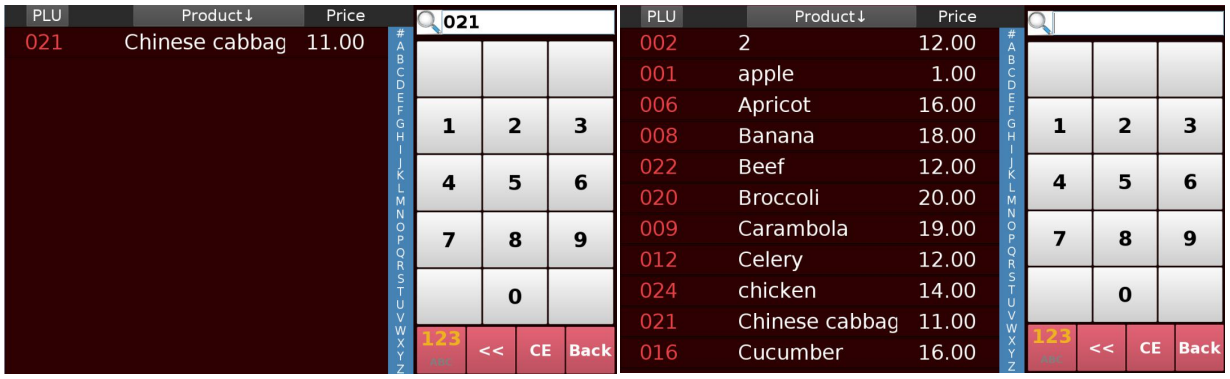
Click directly on the product category on the sales page to select the product.

5.3.2. In-direct Product Look-up:

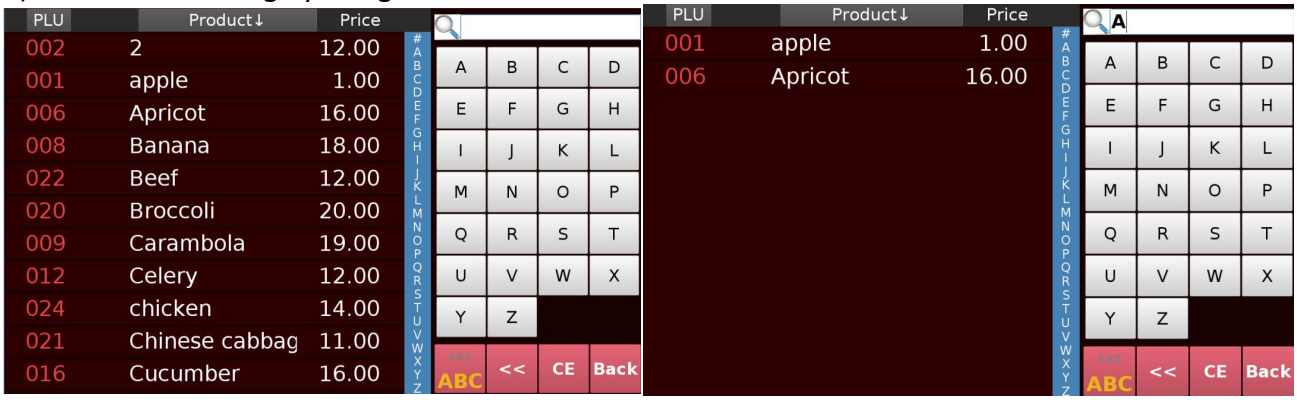
Click

key to enter product look-up page.

a) Product searching by using PLU number



b) Product searching by using names



5.3.3. Manually Enter Unit Price/Quantity

1)When the product info is not pre-established in the scale;

2) Click

key to enter unit price manually;
3)Click OK to confirm and follow to weigh;
4)For Non weight product, enter unit price and follow to enter quantity manually to get the PCS of the products;

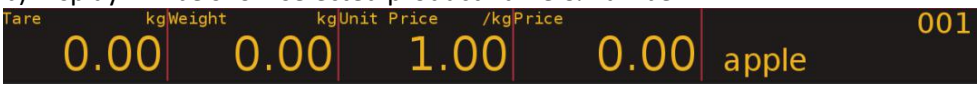
5)Click

key to enter manually enter quantity.

5.3.4. Weighed Item PLU Operation

a) Select a Weight PLU from the direct PLU list or Indirect PLU list.

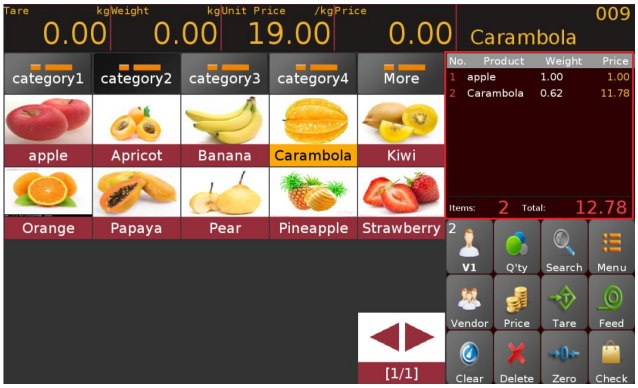
b) Display will be show selected product name & number



c) Select

key to save.

The accumulated items will be displayed in the ACC list.



5.3.5. Non- Weighed Item/ PCS PLU Operation

a) Select a Non –Weighed PLU from the direct PLU list or Indirect PLU list.

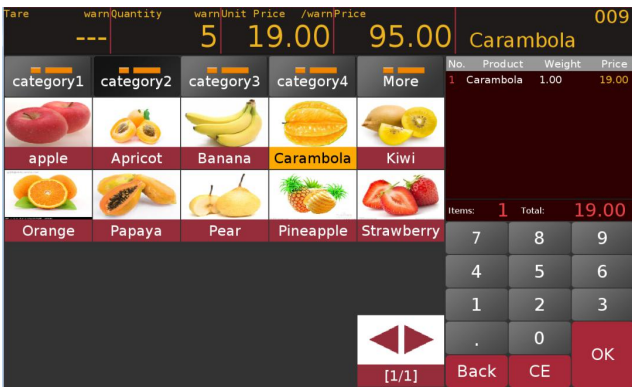
b) Display will be show selected product name & number and default number of item.

c) By clicking

key allows to input required PCS value.

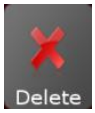
d) Click

key to save



5.3.6. Single item deletion

a) Select the items to be deleted in the ACC list;

b) Click 

key to delete the selected item, this item will display a red line;

c) Select the deleted item , click

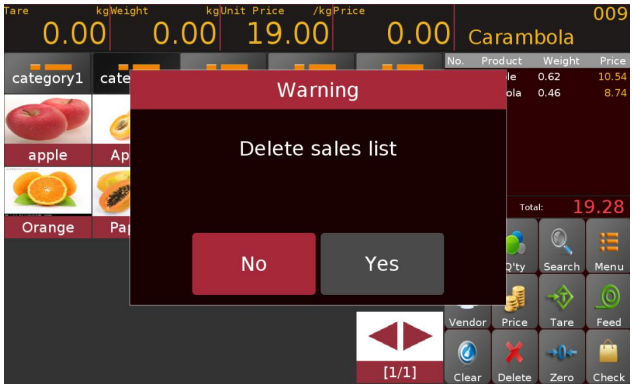
key again to clear the red line.

5.3.7. All items deletion

a) Click

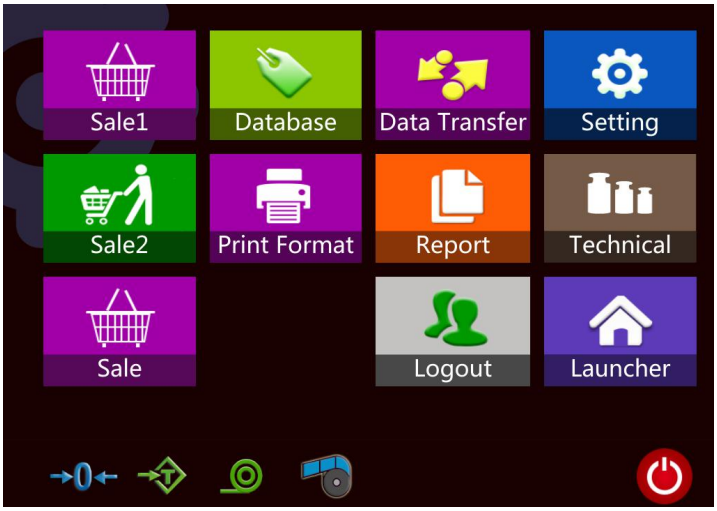
key, the "delete sales list" prompt will pop up.

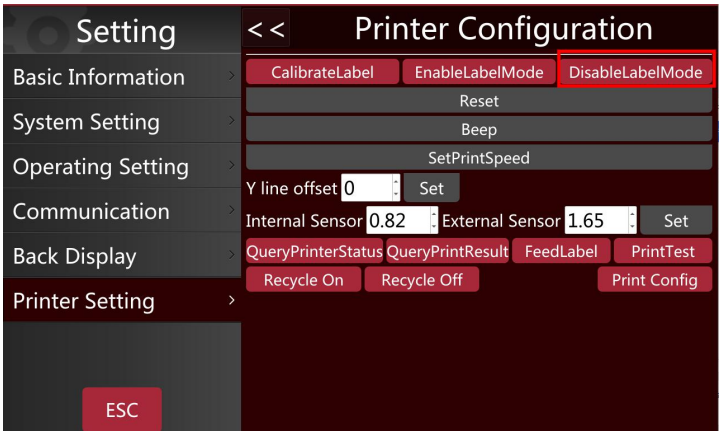
b) Click “Yes” to delete acc list, click “No” to exit.



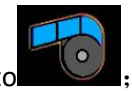
5.3.8. Printing

It support to print label and receipt,to enable receipt printing,please operating as following steps



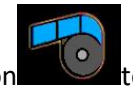


1 Press【Menu】key to enter main menu,select【Sales 2】to enter receipt mode;

2 Press【Menu】key to enter main menu， switch button to  ；

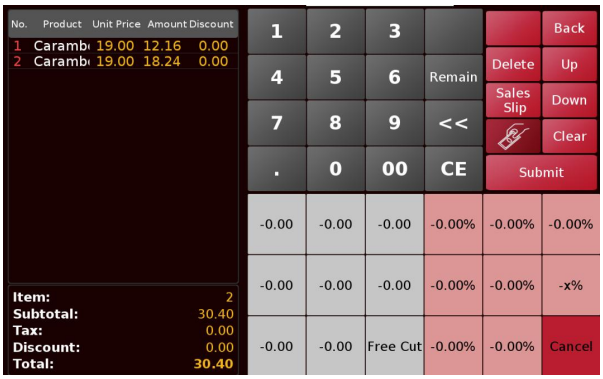
3 Press【Setting】to select printer setting， press printer configuration to select【Disable label mode】；

4 Exit setting and back to receipt mode.

5 If need to change receipt mode to label mode,switch button  to ,and select 【Enable label mode】in printer configuration

5.3.9. Checkout

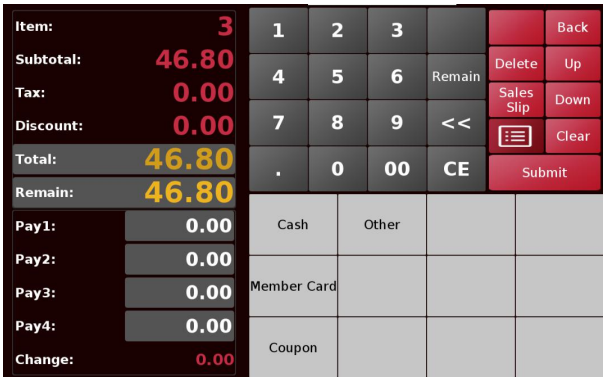
5.3.9.1. Quick checkout



After accumulating the items, click

key to checkout and print receipt.

5.3.9.2. Detailed checkout



a) After accumulating the items, long press

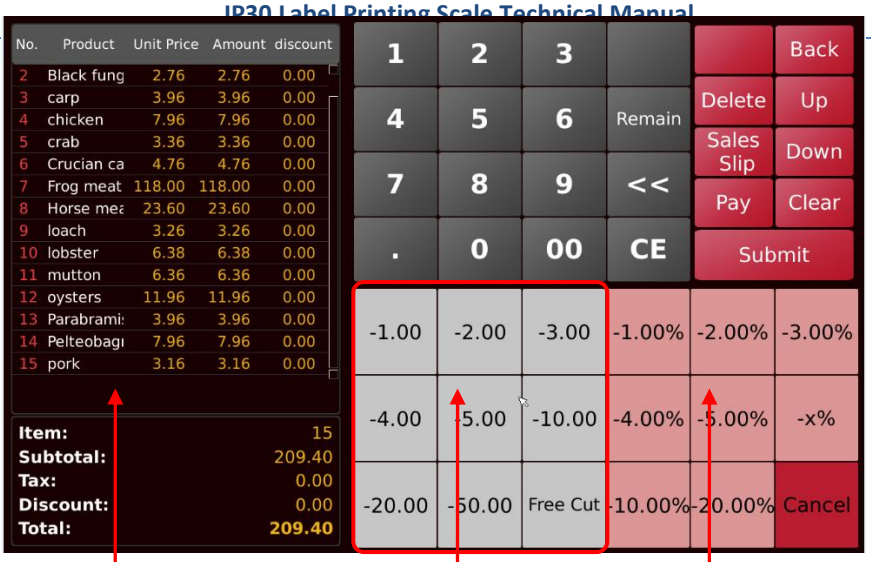
key to enter the detailed page;

b) Click key to jump out of the payment method;

c) Choose a payment method, click

key;

d) After completing this transaction and printing out the receipt, the screen returns to the normal sales page.

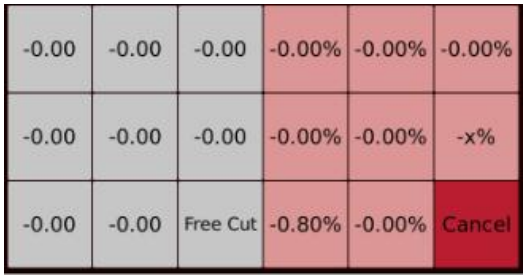


1	0 to 9	Numeric Key	For payment amount input
2	Remain	Remain key	The remaining payment will be generated automatically
3	CE	Clear Key	To clear current number input
4	Delete	Delete Key	To delete sales item
5	Sales Slip	N.A	Reserved
6	Pay	Payment Key	Continue to payment process
7	Back	Back Key	Return to the sales window
8	Up Down	N.A	Reserved
9	Clear	Clear Key	To clear current payments
10	Submit	Submit	To confirm payment
11	-1.00	Value Discount Key	To apply fixed discount
12	-1.00%	Percentage Discount Key	To apply percentage discount

13	Cancel	Cancel Key	To clear discount values
14	Detail	Sales Detail key	To check sales details
15	Cash	Cash Key	To apply Cash Payment entries
16	Card	Card Key	To apply Card Payment entries
17	Coupon	N.A	Reserved
18	Other	N.A	Reserved

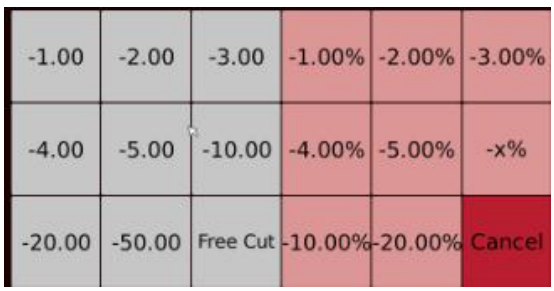
Discount Keys:

Dicount keys are used to store fixed / percentage values.



Press and hold -0.00 or -0.00% keys to store values, numeric keys window will pop up.

Free Cut key is used for direct discount amount input.



-x% key is used for direct percentage discount input.

5.3.10. Sales Return Operation

1 Sales return operation is for customer returns.

2 Select an unused Vendor key from the list.

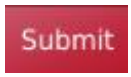
3 Place the goods on the platform and select the product name.

4 Press and hold the

key. The item will be add into sales list. The weight and price will be displayed as negative values.

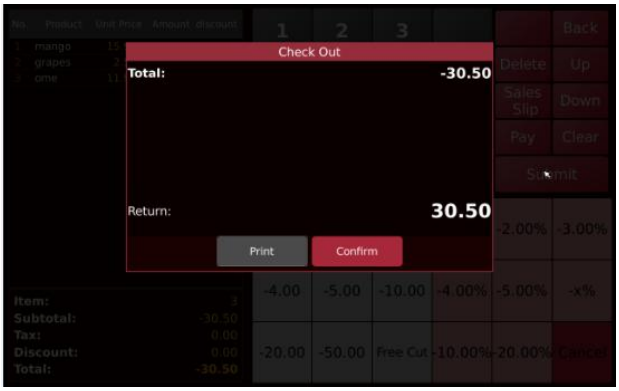
5 Once the returning accumulation is completed, Click once

key to enter quick check out or press & hold to enter the normal the check out page.

6 If it's normal check out Select 

key to confirm.

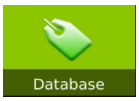
7 Return total amount to the customer then confirm the amount. The sales return ticket will be printed.



Note: Check Out Window's "Print" key can print additional receipts.

Note: Accumulating operation and return operation cannot be used concurrently.

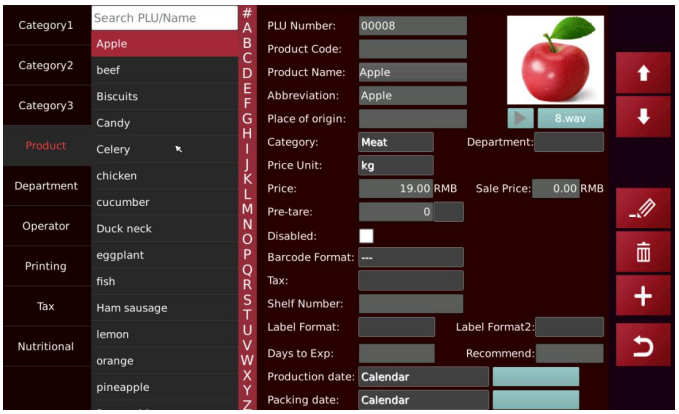
6. DATABASE PROGRAMMING

Click 

key to enter ID setting page， click return key “ ”to go back to main page.

1.	Category 1	Product category	Products under main category
2.	Category 2	Product group	Products under group
3.	Category 3	Product class	Products under class
4.	Product	PLU	Product List
5.	Department	Departments	For department
6.	Operator	Operator	For adding operator information
7.	Printing	Print Format	For adding print formats
8.	Tax	Tax	For tax values
9.	Nutritional	Nutritional	For nutrition information
Add or Edit Keys			
1		Arrow keys	For up & down
2		Edit Key	For editing product information
3		Delete Key	For deleting products
4		Add Key	For adding new products
5		Return Key	For returning to main page
6		Save Key	For saving information

6.1. Product

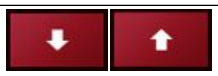


Note: To use default category operation, it's mandatory to add category ID first and follow to add product names.

Product Item Description

No.	Item	Description
1	PLU number	PLU Number will be generate automatically or enter 5 digit numeric characters 00001~99999
2	Product Code	13 Digits numeric characters; Barcode EAN 13
3	Product Name	Enter name of the PLU. 1000 alphanumeric characters
4	Abbreviation	Enter short name of the PLU. 20 alphanumeric characters
5	Place of origin	Enter place of origin, 255 alphanumeric characters
6	Category	Choose category name from the drop down list
7	Department	Choose department name from the drop down list
8	Price unit	Choose the weighing unit from the drop down list.
9	PCS	Select to quantity/non weighing item.
10	Price	Enter Unit Price of the PLU. 0~999999
11	Sale Price	Enter Unit Price of the PLU. 0~999999
12	Pre-tare	For pre-tare value
13	Disabled	To disable PLU from the search list
14	Barcode Format	Choose Barcode format from the dropdown list for the PLU
15	Tax	Select from the list
16	Shelf Number	Enter shelf number of products. Up to 15 digit numeric characters 000000000000000~999999999999999
17	Label format	Choose the first label format from the drop down list for the PLU
18	Label format2	Choose the second label format from the drop down list for the PLU
19	Days to EXP	Use of Best before Product expiration date(by number of days)
20	Recommend	Use of recommended date (by number of days)
21	Production date	Choose production date from list (printing by calendar or print date)

22	Packing date	Choose packing date from list (printing by calendar or print date or
23	Use by date	Choose use of best before Durability period (printing by calendar /print date / production date / package date)
24	Temperature	For storage info; 35 digits alphanumeric keys
25	Ingredient	For ingredient info; 1500 alphanumeric characters
26	Nutrition	For nutrition info; 1500 alphanumeric characters
27	Produced	For producing company info; 1500 alphanumeric characters
28	Remark 1	For any remarks; 1500 alphanumeric characters
29	Remark 2	For any remarks; alphanumeric characters
30	Remark 3	For any remarks; alphanumeric characters
31	Remark 4	For any remarks; alphanumeric characters
32	Remark 5	For any remarks; alphanumeric characters
33	Remark 6	For any remarks; alphanumeric characters
34	Remark 7	For any remarks; alphanumeric characters
35	Remark 8	For any remarks; alphanumeric characters
36	Play	For audio files; .wav formats & pictures; .png formats
37	Nutrition Facts	For Product nutrition ingredient.

1		Arrow keys	For up & down
2		Edit Key	For editing product information
3		Delete Key	For deleting products
4		Add Key	For adding new products
5		Return Key	For returning to main page
6		Save Key	For saving information
7		Clear key	For clearing current operation

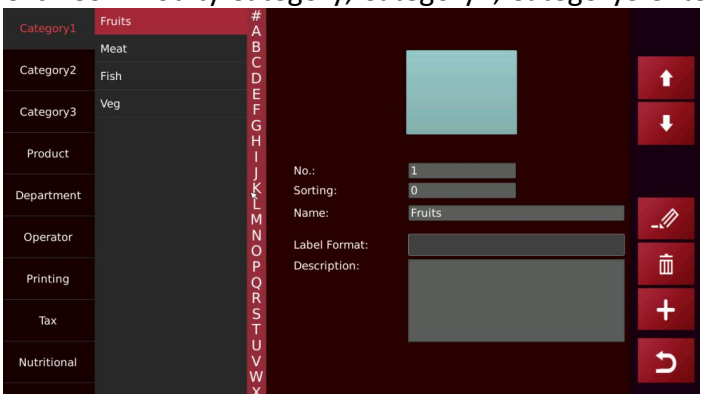
6.2. Category

Main Category/Group (Category) can be assigned to a Department. The Main Category file is used for categorizing the PLU's.
Main category Number of 0001 ~ 9999 are available for programming.

Select keys to add category (s)

Commodity category classify the commodities, serial number can input from 1~29999， Commodity category include Category2, serial number can input from 30000~59999, Category2 include Category3, the serial number can input >=60000

Click Commodity Category, Category2, Category3 enter into the category setting menu.



No.	Item	Description
1	No.	To show category number,only generated by system when click add key
2	Sorting	Enter digit numeric for sorting the category
3	Name	For adding category name
4	Label format	Choose label format from the list
5	Description	For adding specification of the current category

Category 2 and category 3 only available in customized UI,not available in label mode and receipt mode.

1		Arrow keys	For up & down
2		Edit Key	For editing category information
3		Delete Key	For deleting products
4		Add Key	For adding new category name
5		Return Key	For returning to main page
6		Save Key	For saving information
7		Clear key	For clearing current operation

Note: To add Product, it's required to add first department and category ID first.

6.3. Department

Department file is used for categorizing Main Categories/Groups.

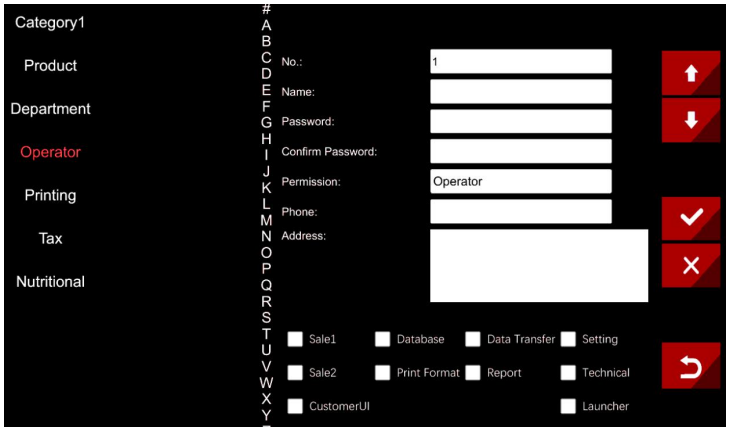
Select keys to add category (s)

No.	Item	Description
1	No.	To show department number,only generated by system when click add key
2	Name	For adding department name
3	Description	For adding specification of the current department

1		Arrow keys	For up & down
2		Edit Key	For editing department information
3		Delete Key	For deleting department
4		Add Key	For adding new department name
5		Return Key	For returning to main page
6		Save Key	For saving information
7		Clear key	For clearing current operation

Note: To add Product, it's required to add department and category names .

6.4. Operator

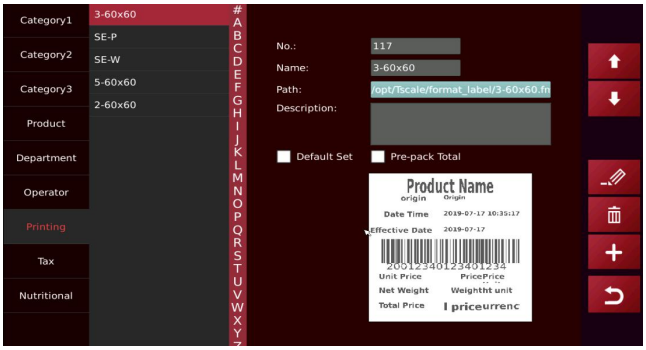


No.	Item	Description
1	No.	To show operator number,only generated by system when click add key
2	Name	For adding operator name
3	Password	Enter 19 digits numeric characters
4	Confirm Password	Enter 19 digits numeric characters
5	Permission	Choose permission from list (Operator or Administrator)
6	Phone	Enter phone number of operator
7	Address	Enter address of operator
8	Sale1	Display will show login page when enter main menu in Sale1 UI
9	Sale2	Display will show login page when enter main menu in Sale2 UI
10	Customer UI	Display will show login page when enter main menu in customer UI
11	Database	Display will show login page when enter main menu in ID
12	Print format	Display will show login page when enter main menu in Print format
13	Data Transfer	Display will show login page when enter main menu in Data Transfer
14	Report	Display will show login page when enter main menu in Report
15	Setting	Display will show login page when enter main menu in Setting
16	Technical	Display will show login page when enter main menu in Technical
17	Launcher	Display will show login page when enter main menu in Launcher

1		Arrow keys	For up & down
2		Edit Key	For editing operator information
3		Delete Key	For deleting operator
4		Add Key	For adding new operator name
5		Return Key	For returning to main page
6		Save Key	For saving information
7		Clear key	For clearing current operation

6.5. Printing

Print format can be assigned to a PLU printing, Number of 0001 ~ 9999 are available for programming. Select keys to add format(s),



No.	Item	Description
1	No.	To show label number,only generated by system when click add key
2	Name	For adding label name
3	Path	Path for selecting the format
4	Description	For adding specification of the current department
5	Default set	To set the selected format as default
6	Pre-pack Total	Used the format in pre-pack total

1		Arrow keys	For up & down
2		Edit Key	For editing format information
3		Delete Key	For deleting label format
4		Add Key	For adding new format name
5		Return Key	For returning to main page
6		Save Key	For saving information
7	X	Clear key	For clearing current operation

Operation:

1)Press “Add” key to add a name of the format;

2)Press the “path” field to choose the format from the disk;

3)Select the format from list and press “OK”option;

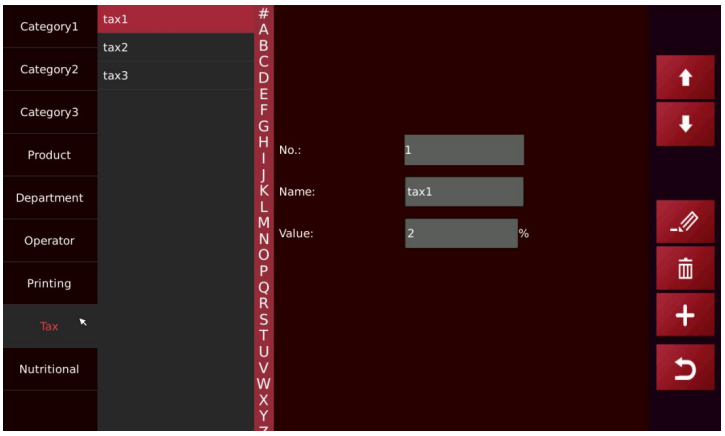
4)Format path will be shown selected format file name;

5)Tick check box to set the format as default if necessary;

6)Press “SAVE” key to confirm, format will be added and follow to show the format name and preview.

Note: If PLU not assigned any format, default format will be print.

6.6. Tax



No.	Item	Description
1	No.	To show tax number,only generated by system when click add key
2	Name	For adding tax name
3	Value	For adding tax value

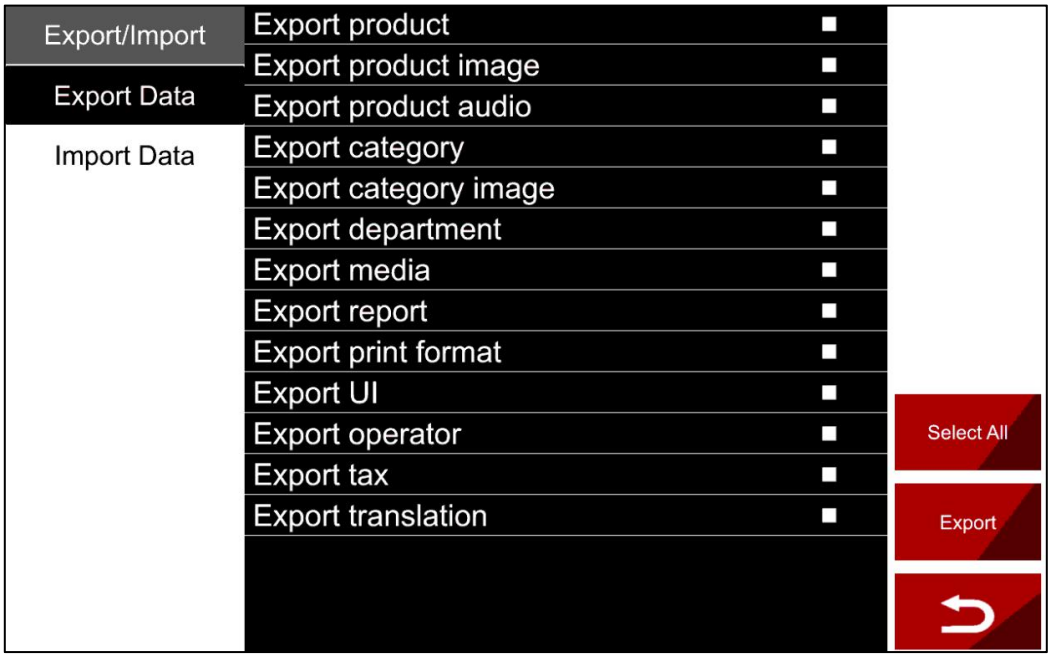
1		Arrow keys	For up & down
2		Edit Key	For editing tax information
3		Delete Key	For deleting tax
4		Add Key	For adding new tax name
5		Return Key	For returning to main page
6		Save Key	For saving information
7	X	Clear key	For clearing current operation

7. DATA TRANSFER

Click

key on the main page.
Choose the corresponding function to Export or Import.

Export data：



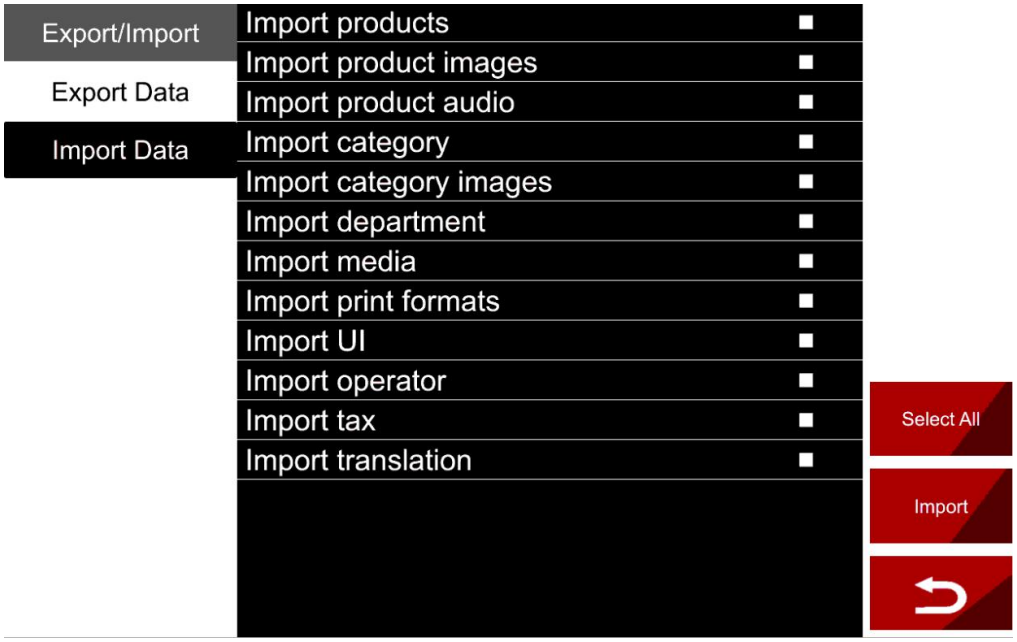
Option	Description
Export product	Export product information from scale to USB disk
Export product image	Export product image from scale to USB disk
Export product audio	Export product audio from scale to USB disk
Export category	Export category from scale to USB disk
Export category image	Export category image from scale to USB disk
Export department	Export department from scale to USB disk
Export media	Export media from scale to USB disk
Export report	Export report from scale to USB disk
Export print format	Export print format from scale to USB disk
Export UI	Export UI from scale to USB disk
Export operator	Export operator from scale to USB disk
Export tax	Export tax from scale to USB disk
Export translation	Export translation from scale to USB disk

Product audio is not available for IP30.

Operation:

1 Insert USB disk .
2 Click “Export data” option.
3 Select the required data’s to export or select all as you need.
4 Click “Export” option.
5 Data will be export to the USB disk “scale_data” folder.
6 Click“return” key to back to main menu.

Import data：



Option	Description
Import product	Import product information from USB disk to scale
Import product image	Import product image from USB disk to scale
Import product audio	Import product audio from USB disk to scale
Import category	Import category from USB disk to scale
Import category image	Import category image from USB disk to scale
Import department	Import department from USB disk to scale
Import media	Import media from USB disk to scale
Import print format	Import print format from USB disk to scale
Import UI	Import UI from USB disk to scale
Import operator	Import operator from USB disk to scale
Import tax	Import tax from USB disk to scale
Import translation	Import translation from USB disk to scale

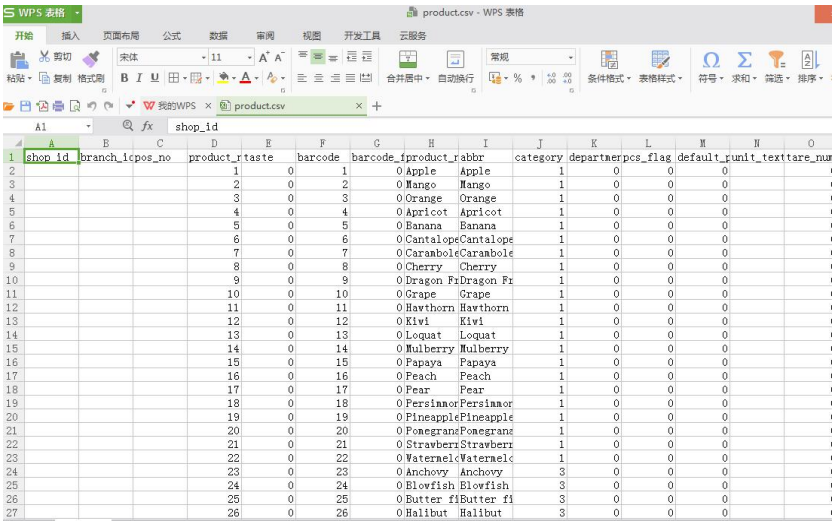
Product audio is not available for IP30.

Operation:

1 Insert USB with “scale_data” folder contents .
2 Click “Import Data” option.
3 Select the required data’s from the list.
4 Click “Import” option.
5 Data will be saved into the scale memory.
6 Click“return” key to back to main menu.

Note: Data Import / Export

Eg: product.csv data file & Scale user Information window



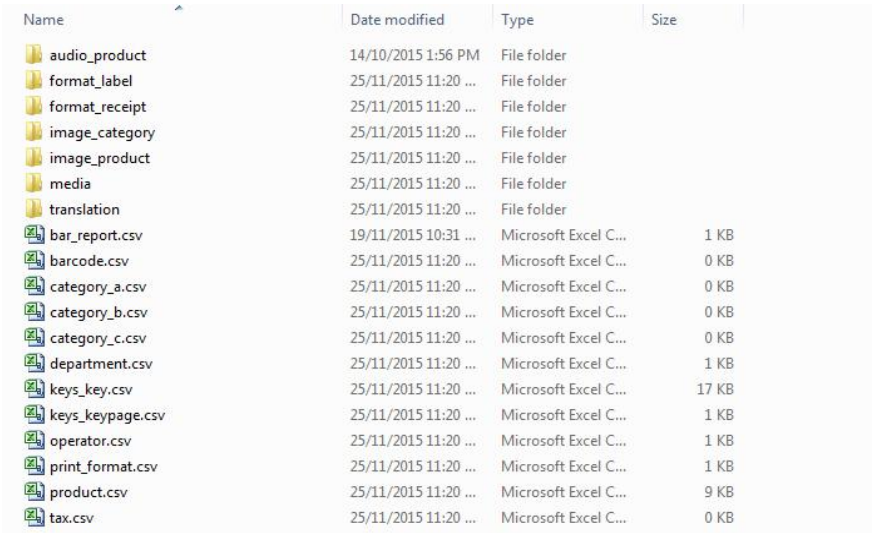
shop_id	branch_id	pos_no	product_id	taste	barcode	barcode_flag	product_name	abbr	category	department	pcs_flag	default_price	unit_text	tare_num
			1	0	1	0	Apple	Apple	1	0	0	0		
			2	0	2	0	Mango	Mango	1	0	0	0		
			3	0	3	0	Orange	Orange	1	0	0	0		
			4	0	4	0	Apricot	Apricot	1	0	0	0		
			5	0	5	0	Banana	Banana	1	0	0	0		
			6	0	6	0	Cantalope	Cantalope	1	0	0	0		
			7	0	7	0	Carambole	Carambole	1	0	0	0		
			8	0	8	0	Cherry	Cherry	1	0	0	0		
			9	0	9	0	Dragon Fr	Dragon Fr	1	0	0	0		
			10	0	10	0	Grape	Grape	1	0	0	0		
			11	0	11	0	Hawthorn	Hawthorn	1	0	0	0		
			12	0	12	0	Kiwi	Kiwi	1	0	0	0		
			13	0	13	0	Loquat	Loquat	1	0	0	0		
			14	0	14	0	Mulberry	Mulberry	1	0	0	0		
			15	0	15	0	Papaya	Papaya	1	0	0	0		
			16	0	16	0	Peach	Peach	1	0	0	0		
			17	0	17	0	Pear	Pear	1	0	0	0		
			18	0	18	0	Persimmor	Persimmor	1	0	0	0		
			19	0	19	0	Pineapple	Pineapple	1	0	0	0		
			20	0	20	0	Pomegrana	Pomegrana	1	0	0	0		
			21	0	21	0	Strawberr	Strawberr	1	0	0	0		
			22	0	22	0	Watermelc	Watermelc	1	0	0	0		
			23	0	23	0	Anchovy	Anchovy	3	0	0	0		
			24	0	24	0	Blowfish	Blowfish	3	0	0	0		
			25	0	25	0	Butter fi	Butter fi	3	0	0	0		
			26	0	26	0	Halibut	Halibut	3	0	0	0		

7.1. USB Flash Disk Data

USB Flash Disk path should be , USB flash Disk\scale_data\

USB Disk Main Folder Name: scale_data

“scale_data” data - subfolders and files



Name	Date modified	Type	Size
audio_product	14/10/2015 1:56 PM	File folder	
format_label	25/11/2015 11:20 ...	File folder	
format_receipt	25/11/2015 11:20 ...	File folder	
image_category	25/11/2015 11:20 ...	File folder	
image_product	25/11/2015 11:20 ...	File folder	
media	25/11/2015 11:20 ...	File folder	
translation	25/11/2015 11:20 ...	File folder	
bar_report.csv	19/11/2015 10:31 ...	Microsoft Excel C...	1 KB
barcode.csv	25/11/2015 11:20 ...	Microsoft Excel C...	0 KB
category_a.csv	25/11/2015 11:20 ...	Microsoft Excel C...	0 KB
category_b.csv	25/11/2015 11:20 ...	Microsoft Excel C...	0 KB
category_c.csv	25/11/2015 11:20 ...	Microsoft Excel C...	0 KB
department.csv	25/11/2015 11:20 ...	Microsoft Excel C...	1 KB
keys_key.csv	25/11/2015 11:20 ...	Microsoft Excel C...	17 KB
keys_keypage.csv	25/11/2015 11:20 ...	Microsoft Excel C...	1 KB
operator.csv	25/11/2015 11:20 ...	Microsoft Excel C...	1 KB
print_format.csv	25/11/2015 11:20 ...	Microsoft Excel C...	1 KB
product.csv	25/11/2015 11:20 ...	Microsoft Excel C...	9 KB
tax.csv	25/11/2015 11:20 ...	Microsoft Excel C...	0 KB

Folder name	Description	
audio_product – Folder for audio files. *Reserved for P18 & PL10 models*	Format: “wav” Bit Rate: approximate 1411kbps. Size: 50kb or above Name: alphanumeric	
format_label –Folder for label formats.	Format files should be under .fmt format and for logo files, it should be under .bmp format. Name the folder only with numbers and alphabets.	
format_receipt –Folder for receipt formats.	Format files should be under .fmt format and for logo files, it should be under .bmp format. Name the folder only with numbers and alphabets.	
image_category –Folder for images used in each category.	Format: “png” Resolution: 150x150 ~ 300x300. Size: 50kb ~ 100kb Name: alphanumeric.	
image_product – Folder for product images.	Format: “png” Resolution: 150x150 ~ 300x300. Size: 50kb ~ 100kb Name: alphanumeric. Note: If using high resolution pictures, scale operation will be slow and available FLASH free memory will be less. It may affect to store maximum numbers of PLU.	
media –Folder for back display advertising display images.	**10” customer Display** Picture: Format: “png” Max Resolution: 1280x800. Size: 50kb or above Name: alphanumeric. **7” customer Display**	Video: Format: “mp4” Frame Size: approximate 640x400 Size: recommend to use small size of videos

	Picture: Format: “png” Max Resolution: 800x480. Size: 50kb or above Name: alphanumeric.	
translation –Folder for translated documents.	System document. Can’t edit or import	

Note: “media” folder required only for specific models with 10” or 7” back display

Warning: If using high resolution pictures or videos, available FLASH free memory will be less; It may affect to store maximum numbers of PLU & operation will be slow.

8. SETTING

8.1. Menu Settings

Select

key to enter scale menu settings.

Note:

1. Some parameters are encrypted and require a Technician or an Admin account to access. The default password is 000000.

Technician / Admin permission access and modify settings.

S. No	Person	Operation
1	Technician	Access all parameter’ s and functions by using “**technician**” username and password.
2	Admin	Access all parameters except Weighing Settings and Calibration. To access weighing settings, it is required to press CAL switch and an admin account
3	Operator	No permission; Only for weighing operation.
Note: username and passwords are case sensitive.		

Setting has the following items for configuring

No.	Item	Description
1	Basic Information	Basic Settings; company , header footer, currency, price decimal
2	System Setting	Date, Language, reset database
3	Operating Setting	Operational functions
4	Communication	RS232, Ethernet, WIFI
5	Back Display	Customer display mode, slides, slogan
6	Printer Setting	Printer configuration

8.2. Settings Table

Click basic information settings to access user information, currency etc.,

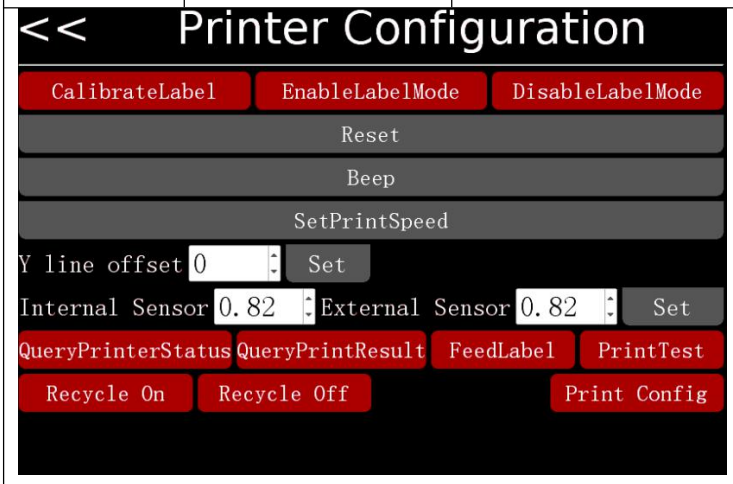
Menu	Sub –Menu		Remarks
Basic Information	User Information	Company Name	Enter company details, PS: if print format has the option for the company details, it will print accordingly.
		Address	
		Telephone	
		Website	
		Logo	
		Slogan	

		Shop No.	
		Department	
		Scale No.	
		Receipt Header 1~4	Reserved for Receipt header
		Receipt Footer 1~4	Reserved for Receipt footer
	Currency	$	Currency Symbol
		RMB	
		¥	
		€	
		£	
		¤	
		Руб	
		₡	
		₹	
		Input	Used to input currency name
		Second currency	Used to set the ratio of the currency to the
	Price Decimal Places	0	Used to set the decimal points for price
		0.0	
		0.00	
		0.000	
	CSV Separator	, comma	Used to set CSV file separator
		; semicolon	
	Price Decimal point mode	Float	Used to set price decimal point mode as fixed or float
		Fixed	
	Decimal point setting	.	Used to set decimal point ./,
		,	
	Price Rounding	1	Used to set price rounding 1 ~ 10
		2	
		5	
		10	
	Total Rounding	Minimum Value	Used to set total rounding 0~0.00000
		Closed	
		Rounding	
		Rounding 0	
		Rounding 0.0	
		Rounding 0.00	
		Rounding 0.000	
		Rounding 0.0000	
		Rounding 0.00000	
		Rounding Max	
		Rounding Min	
		Always cut tail	
		Always forward one	
	Price Unit Setting	Fix price unit	Used to set fixed / PLU price unit
		PLU Price unit	

	Tax Rate	None	Used to set tax none / include / exclude
		Include	
		Exclude	
System Setting	Gravity		Used to set local gravity value
	Date and Time	Date format	Used to set the local date , time and printer date format
		Printer date Format	
	Language		Used to set the system language
	Sound	Buzz	Used to set scale buzzer on/off
		Volume	Used to set scale volume adjusting
	Idle time	OFF	Used to set idle time for sleep
		5s	
		10s	
		15s	
		20s	
		30s	
		40s	
		50s	
		1 min	
	System Information		About Scale software, memory Information
	Reset Database	Reset Product	Used to set to Reset product, UI, Images, Report database **Please do the operation very carefully, once delete the data, it will not recover back.**
		Reset Category	
		Reset UI	
		Reset POS Report Database	
		Reset Label Report Database	
		Reset Product &Category Image	
		Reset Product Audio	
		Reset User	
		Reset All format	
		Reset All Database	
	Remote scale	Off	Used to switch the remote scale on/off
		On	
	Product Display	Image And Name	Setting up Product Display Mode
		Name And Number	
	Show PLU/Price	PLU	Used to set product display method on sale page
		Price	
	Clear Selection After Print	Off	Used to set to clear PLU automatically after print
		On	
	Home page After Print	Off	Used to set to go back to the Home page after print
		On	
	Allow Price Change for Zero-	Off	Used to set allow price change for Zero-Priced items On/Off
		On	
	Manual Pricing	Off	Used to set to input unit price manually

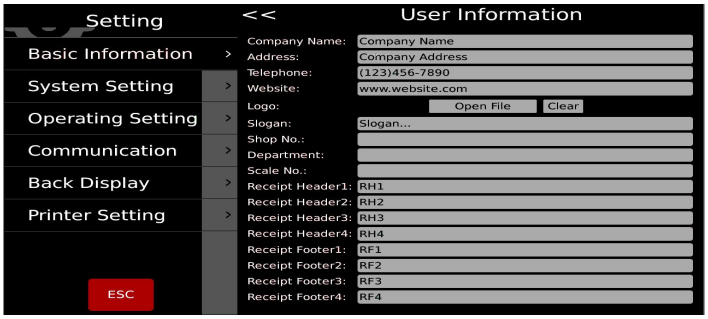
		On	
	Save input Price	Off	Used to set to new unit price
		On	
	Price Update Dialog	Off	Used to set to update new unit price to database
		On	
	Long Press Edit	Off	Used to set long press PLU to edit product information
		On	
	Print Count	Total	Used to show no of labels printed
		Print count	
	Play audio after product selection	Off	Used to set play audio on / off after product selection, NOT available foR IP30
		On	
	Input quantity after product	Off	Used to set whether the quantity is allowed to input after selecting the product
		On	
	Print Method	Manual print	Used to select different print method
		Print When Stable	
	Pre-pack mode	Print When Stable	Used to set pre-pack mode of operations
		Repeat Print	
		Manual print	
	Pre-pack print total only	Off	Used to set the pre-pack print total mode
		On	
	Shelf Number	Off	Used to set to show shelf number of the product
		On	
	Show Extension Keypad	Off	Used to set the extended keyboard on / off
		On	
	Require Password	Off	Used to set the password required to enter the menu on / off
		On	
	Show Sale2 And Custom UI	Both Off	Setting Display Sale2 and Custom UI Open or Close
		Both On	
		Show Sale2	
		Show CustomUI	
	Search by shelf number or PLU number	PLU number	Used to set the way for searching PLU
		Shelf number	
	Operation prompt	Normal	Used to select different operation prompt
		Pop-up window	
		Auto close Pop-up window	
	Scan For	Product	Used to switch Scan for product or tare
		Tare	
	Cursor	Hide	Used to set to show /hide cursor on the screen
		Show	
	Auto Clear Tare	Off	Tare will remain after printing a label
		On	Tare will be cleared after printing a label.
	Auto Clear	Off	Tare will remain after restart the scale.

		On	Tare will be cleared after restart the scale.
	Print Second Label	Off	Used to set print second label mode on / off
		On	
	Label Report	Off	Used to switch label report function on/off
		On	
	Print Ask	Off	Setting Print Question to Open or Close
		On	
	Receipt Report	Off	Used to set the report on / off in sale2 mode
		On	
	Receipt copy	Off	Used to set whether to print the ticket again in sale2 mode
		On	
Communication	Com1		Used to set RS232 1 configuration
	Com2		Used to set to RS232 2 configuration
	Eth0		Used to view the IP address of Ethernet
	Wlan0		Used to view the IP address of Wireless network
Back Display	Logo setting		Not available for IP30
	Show ad. In main display	On	Used to set the ad showed on the operator display
		OFF	
	Slogan Setting		Used to set to scroll messages,it can configure up to 6 slogan
	Advertisement Window Mode	Current product images	Used to set to play product images
		Advertisements	Used to set to play advertisement
	Slides		Used to set to assign images/videos for playing advertisement
	Version	Used to show back display software version	



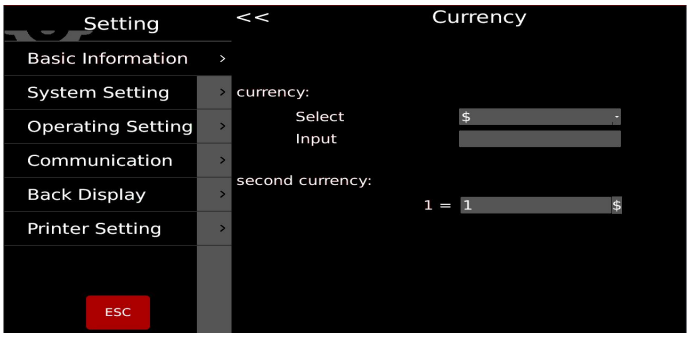
Printer	Printer Configuration,follow the instructions to set the parameters of printer

8.3. Basic Information



8.3.1. User Information

Input company name,address,shop id etc,



8.3.2. Currency

Select currency from drop-down listo r input manually, currency would be displayed in unit price and total price window.

8.3.3. Price Decimal Places

Select price decimal from the list. From 0 to 0.0000, this will be displayed in unit price and total price window.

8.3.4.Price Decimal Point Mode

Select fix or float decimal point mode.

8.3.5. Price Rounding

Select the smallest price increment (1/2/5/10)

from the list.

8.3.6. Total Rounding

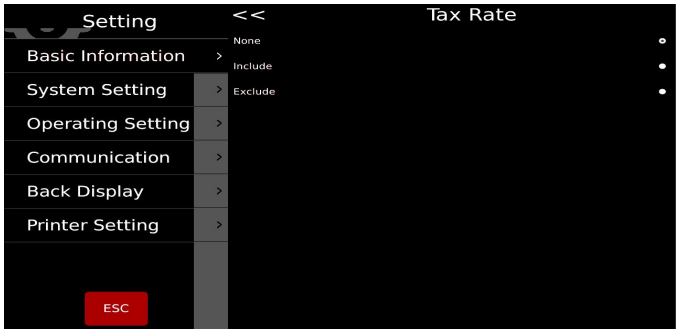
Select the rounding method from the list

8.3.7. Price Unit Setting

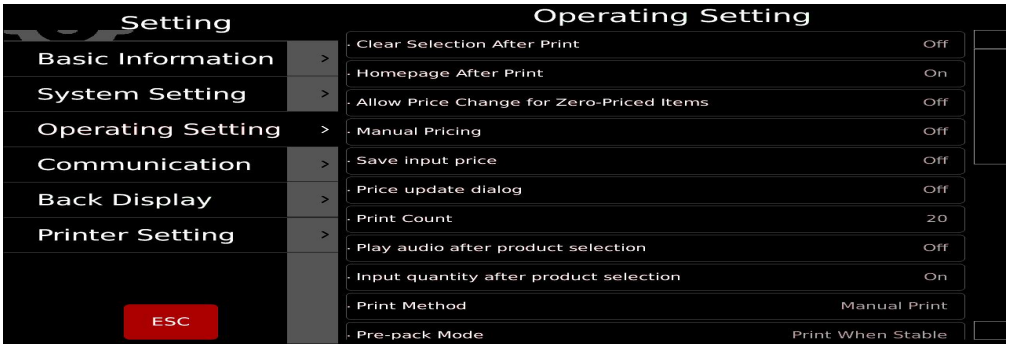
If the product follows the scale's price unit, it will automatically transform the price, and make sure the display price unit is always the same. If the product follows its own price unit, it will disregard the price unit of the scale.

8.3.8. Tax Rate

Select None/ Internal/ External Tax calculation



8.4. Operating setting



8.4.1. Clear Selection After Print

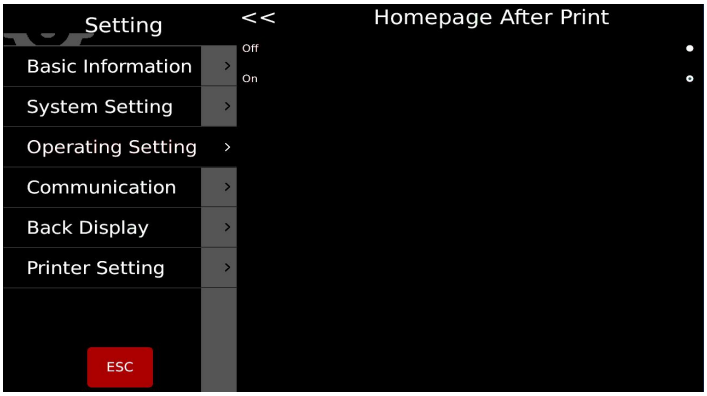
Clear up PLU data after printing can be set on and off

On: after print out the labels, PLU data which selected

will clear up automatically.

Off: after print out the labels, PLU data which selected will remain, it need clear up manually.

8.4.2. Homepage after print

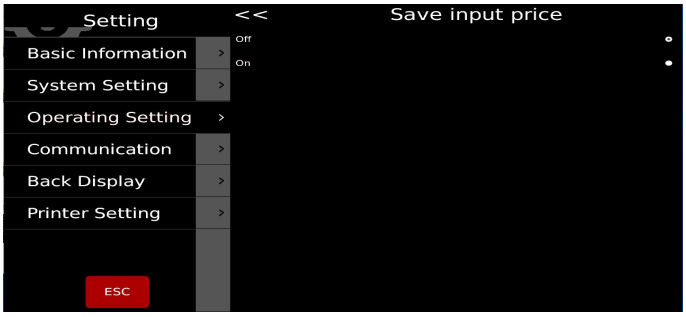


Back home page after printing function can be set on or off, this function used for PA18&PA15-F self service scale

On: will back home page after print the labels

Off: will not back home page after print the labels, it will operate manually if you want back home page.

8.4.3. Save input price



Save input price can be set on/off

On: the input price will be kept after remove the item

Off: the input price will be clear after remove the item

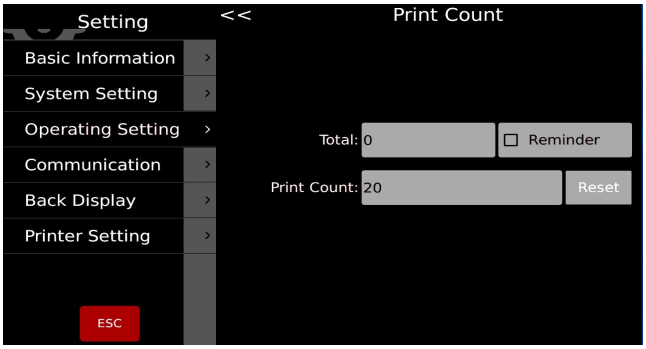
8.4.4. Price update dialog

Price updating tip window on/off

On: when the unit price update, the tip window will come out.

Off: when the unit price update, tip window will not come out.

8.4.5. Print Count



Print number is calculate the print times, for example: print 4 labels, it will show “4”, it will return back”0” after click reset.

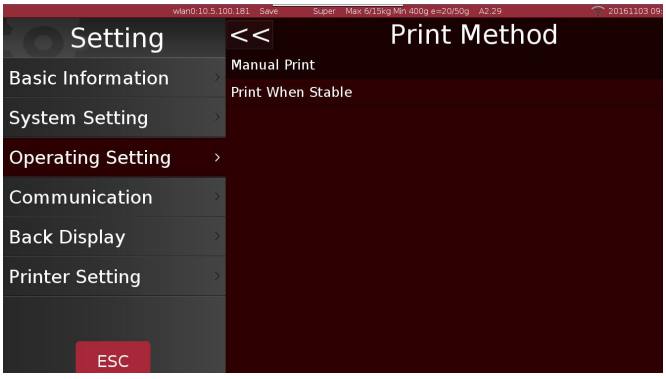
8.4.6. Play audio after product selection

Play voice function can set on/off

On: will play image, play voice automatically. (Only for PA18 &PA15-F,not available for IP30)

Off: play voice will close

8.4.7. Print Method

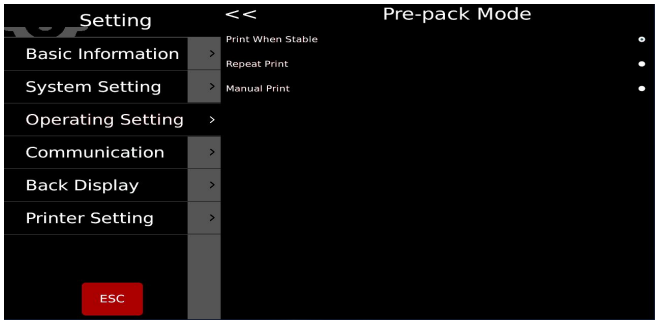


Manual print: It allows printing manually by

pressing PRINT key

Print when stable: It allows printing automatically when the loaded item gets stable
and should be return to zero and load an item for next printing .

8.4.8. Pre-pack Mode



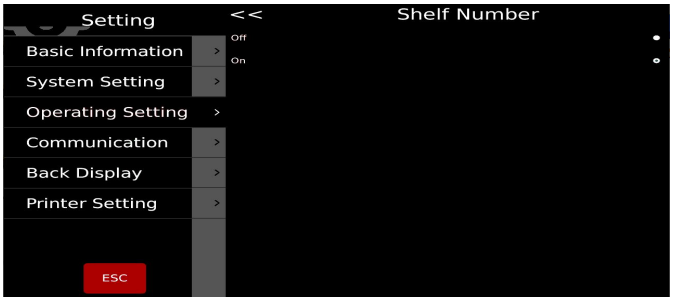
Printing operation in Pre-pack mode

Print when stable: It allows printing automatically when the loaded item gets stable
and should be return to zero and load an item for next printing .

Repeat print:It allows printing multi labels automatically when the printed label removed .

Manual print: It allows printing manually by pressing PRINT key

8.4.9. Shelf number



Shelf number on/off, used for self labeling mode.

On: The shelf number will be show on the top left

corner of sales UI interface

Off: The shelf number will not be show.

8.4.10. Search by shelf number or PLU number

Shelf number and PLU search are available.

PLU number:selecting product PLU by pressing

key, search products according to PLU number.

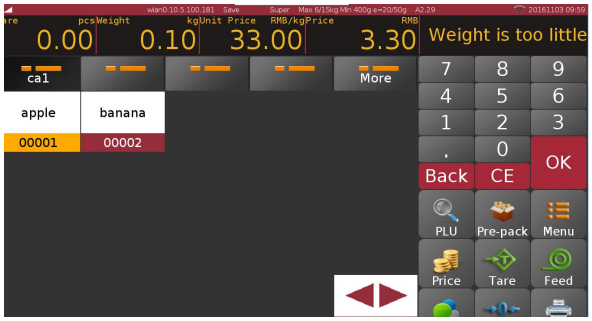
Shelf number: selecting shelf number by pressing

key, search products according to shelf number.

8.4.11. Operation Prompt

Normal:

If the loaded weight is less than 20d,the printing function will not be available. “weight is too little” will appear on the display,it will be disappeared 3 seconds later

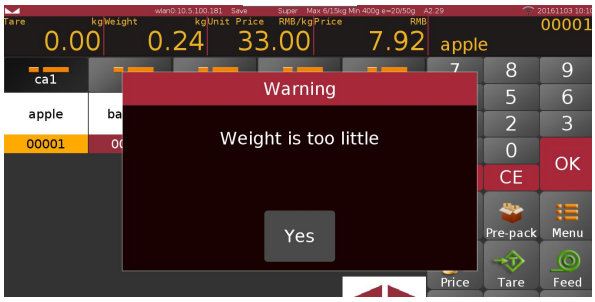


Pop-up window:

If the loaded weight is less than 20d,the printing function will not be available.

it will pop-up a window for indicating that the loaded weight is too little.

it’s required to pressing “yes” key to back to normal weighing mode.

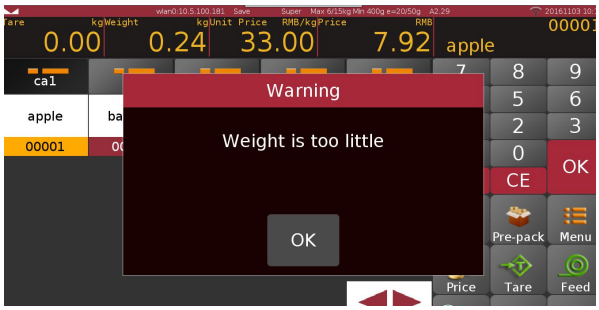


Auto Close Pop-up window:

If the loaded weight is less than 20d,the printing function will not be available.

it will pop-up a window for indicating that the loaded weight is too little.

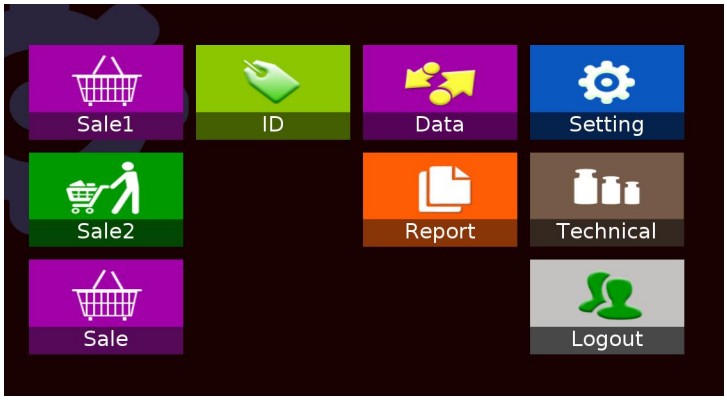
and the prompt window will be auto closed 3 seconds later.



8.4.12. Mouse pointer

Set mouse cursor's appearance.

8.4.13. Show Sale2 And Custom UI



Turn on Sale2 and Custom UI(Sale)

Both On: Displays Sale2 and Custom UI (Sale) option

Both Off: Hides Sale2 and Custom UI (Sale) option

Show Sale2: Displays Sale2

Show Custom UI:Displays Custom UI (Sale)

8.4.14. Show Extension keypad

Turn on/off the extended keypad.

On: 3 additional function buttons will appear in the standard keypad.

Off: Use standard 9-key keypad.

RP:Repeat to print the last label, the label will be marked with "Rpeat p "+ number

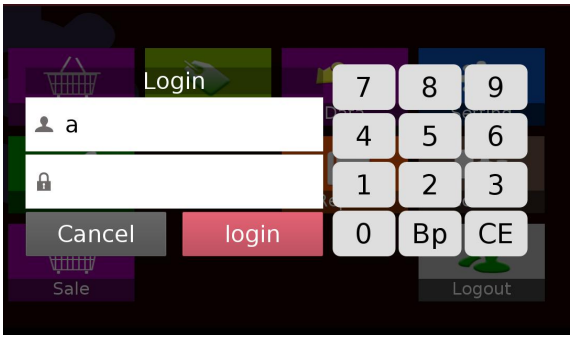
To enable the repeat function,it's required to add two variable（**Repeat_Print_Flg**）**and (Repeat_Print_Counter)**

In label design through T-TOUCH CENTRAL.

Save/Clear:The unit price of PLU will be save or clear automatically when printing

Manual/Stable:To print by pressing "Print"keys or print when stable

8.4.15. Require Password



Turn on/off the password prompt before entering the main menu.

On: It's required to input password to enter the main menu

Off: If an account has been logged in, there will no longer be

a password prompt

8.4.16. Scan For

Configuration for scanner input

Product: Scans and calls out according to the barcode.

Tare: Scans and tare the corresponding weight value.

8.4.17. Print Second Label

Turn on/off second label

On: A second label will be printed if the PLU has configured a second label format.

Off: A second label will not be printed.it will print the default label format in the scale.

8.4.18. Label Report

Turn on/off label reports

On: Each label printed will be saved in the database.

Off: Label prints will not be saved in the database.

8.4.19. Print Ask

Turn on/off label reports

On: When the label printed out,a question window will be pop up, it will be asked whether to print or not.

Off: Label will be printed out automatically without prompt.

8.4.20. Receipt Report

Turn on/off label reports

On: Each receipt printed will be saved in the database.

Off: Receipt prints will not be saved in the database.

8.4.21. Receipt Copy

To set repeat to print the previous label function on/off

On: It will print the previous label by pressing

key,and

The printed out label will be marked “copy” words

Off: Repeat printing function off

8.4.22. Remote Scale

It can set remote scale function on or off.

1 Connect the remote scale.

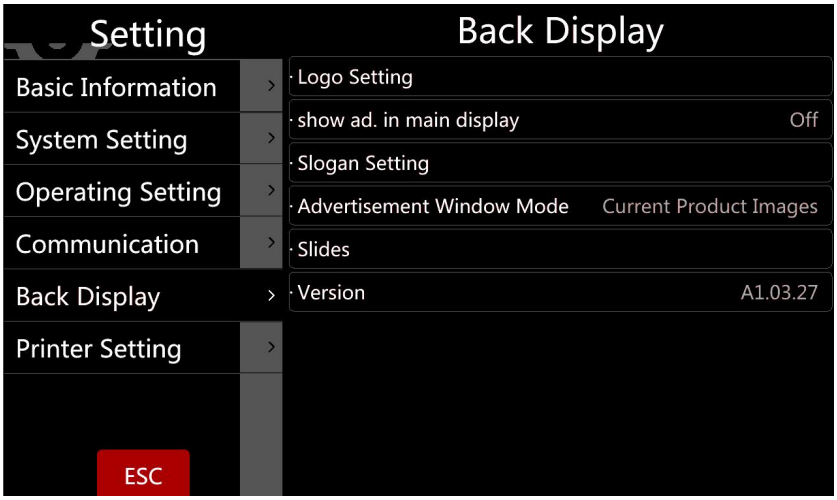
2 Enter the sub-menu to select remote scale on.

3 Enter technical setting to calibrate the remote scale.

4 After finish the calibration, the remote scale can be start to use and the local scale can not be used.

If select off,only can the local scale use.

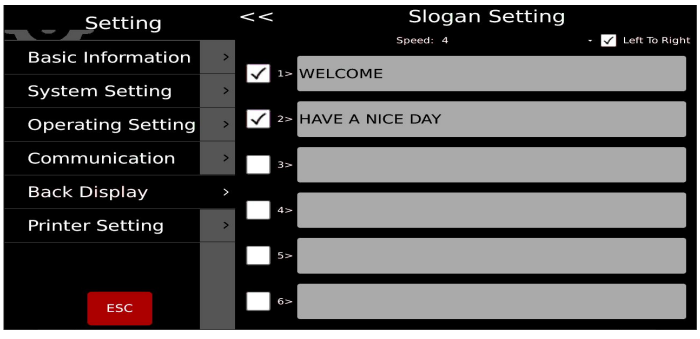
8.5. Back Display



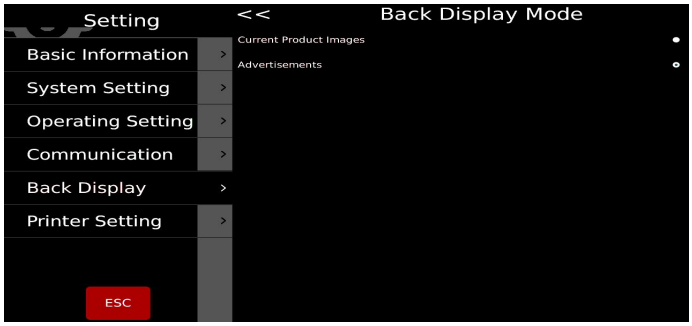
8.5.1 Slogan Setting

Enter text for customer display scrolling, and check the checkbox to enable.

You may set the scrolling speed and left-to-right option



8.5.2 Advertisement Window Mode



Product Image: The selected product image will display on the customer screen

Advertisement: Customer display will only display the images and videos

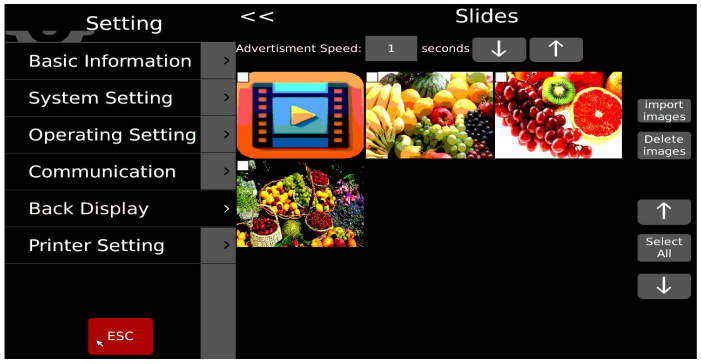
8.5.3 Slides

Import and select media files for advertisement.

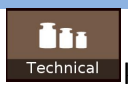
Import Images and Videos.

Delete Images or Videos

Select duration for each image



9. TECHNICAL SETTING

Click 

key to enter parameter setting

It may be ask to input password to access the parameter,the default password is 999999999.Before to enter calibration mode,it's required to press calibration switch,locating below the scale.

Basic information			
	Window Skin	Skin 1	For selecting different window style
		Skin 2	
	Show main menu operation	On	For turn on/off desk button in main page
		Off	
	Barcode Decimal Setting	Price decimal	For setting price and weight decimal in barcode
		Weight decimal	
		PCS decimal	
	PLU number length	3	To set the length of PLU number
		4	
		5	
		6	
		7	
		8	
		9	
	Time Zone		To view different time zone as per different countries
	Label report clear		To clear the label report
	Run USB Script	Check USB Connect	For USB operation
		Run Script	
	Forced printing	Off	To set forced printing function on/off
		On	
	Print on zero total	Off	To set printing on zero total ON/OFF
		On	
	Print Zero Weight As One	Off	Used to set weightless goods without weight as count printing
		On	
	Weight to pieces	Off	Used to set the product weighing unit from kg to pcs
		On	
Weighing Setting			
	Approval setting	None Approval	For selecting different approval mode For OIML mode ,select OIML option
		OIML	
		NTEP	
		TAIWAN Approval	
		Sri Lankan Standard	
		Uruguay Approval	
		Argentina Approval	
		Canada Approval	

		South Africa Approval	
	Range mode	Single	For selecting range mode
		Dual Interval	
		Dual Range	
	Decimal	0	For setting weight decimals
		0.0	
		0.00	
		0.000	
		0.0000	
		0.00000	
	Capacity	6kg	For setting maximum capacity
		15kg	
		30kg	
	Division	1/2/5/10	For setting division
	Weighing Unit	kg	For setting weighing units
		g	
		tj	
		gj	
		lb	
		oz	
		lb:oz	
	Auto Zero	0%	For setting auto zero range Default auto zero range is 10% for OIML mode
		2%	
		3%	
		4%	
		10%	
		20%	
		50%	
		100%	
	Manual Zero	0%	For setting manual zero range Default manual zero range is 2% for OIML mode
		2%	
		3%	
		4%	
		10%	
		20%	
		50%	
		100%	
	Zero tracking	Off	For setting zero tracking range Default zero tracking range is 0.5d for OIML mode
		0.5d	
		1d	
		2d	
		3d	
		4d	
	Tare Mode	Disabled	For setting multi-tare mode
		Enabled	
	ACC Minimum	2d	For setting minimum weight for print

		5d	
		10d	
		20d	
Calibration			
	Calibration		Weight calibration
	Internal counts		Weight internal value

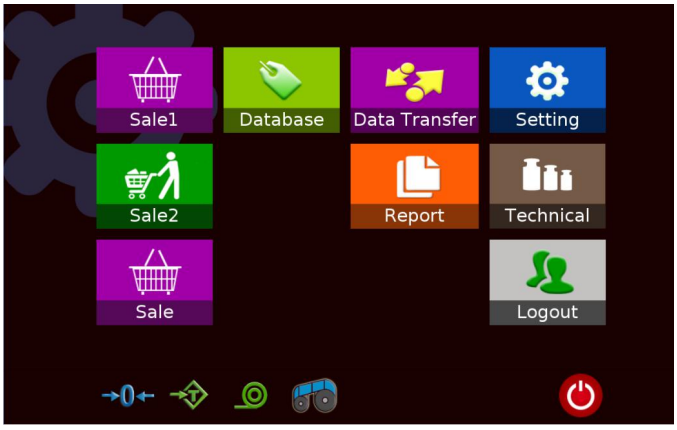
9.1. Window Skin

Used to set the screen mode to skin1 or skin2

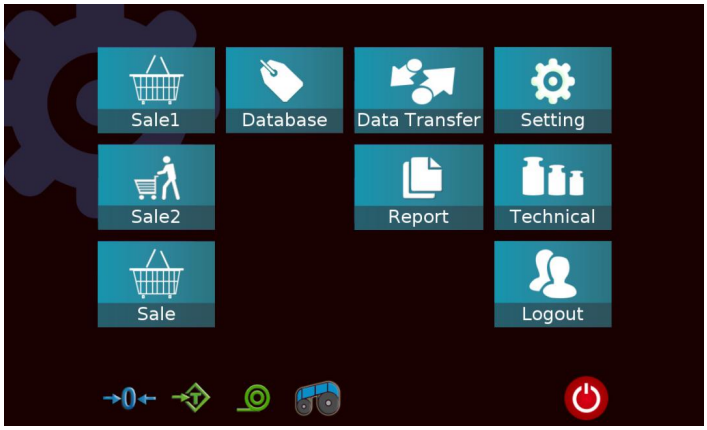
Skin1: Standard mode.

Skin2:New screen mode.

Select Window Skin from the **Technical > Basic Information >Window Skin**



Skin1



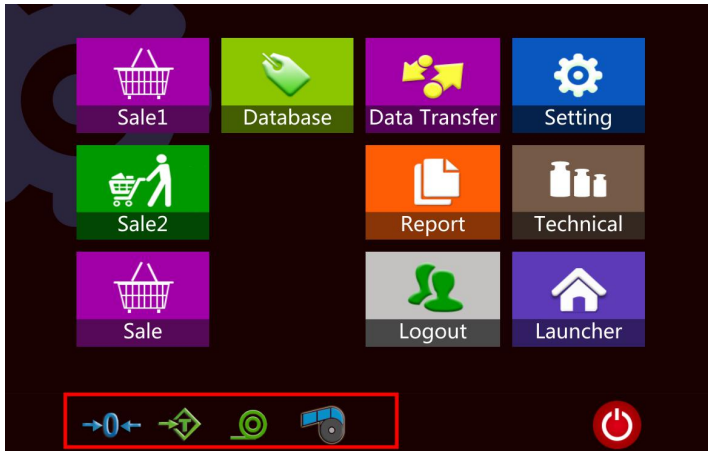
Skin2

9.2.Show main menu operation

The desk button in the main menu can be set to on/off

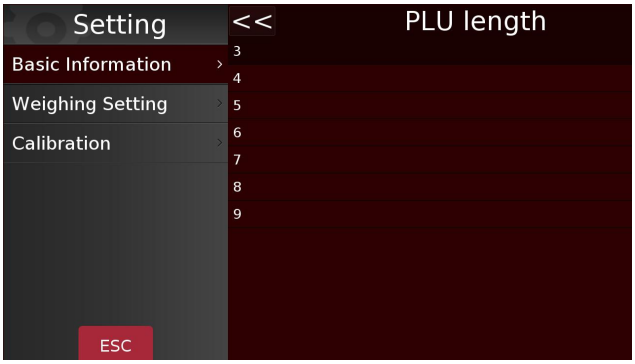
ON:The ZERO/ TARE/FEED/Paper switch button will be shown in the display

OFF: The desk button will not be show



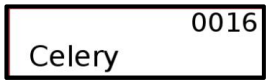
9.3.PLU Length

1 It can select from the PLU length list



2 Once changed the PLU length, the scale will be show new PLU number length

3 If select 4 length,the PLU number will be showed in 4 digits

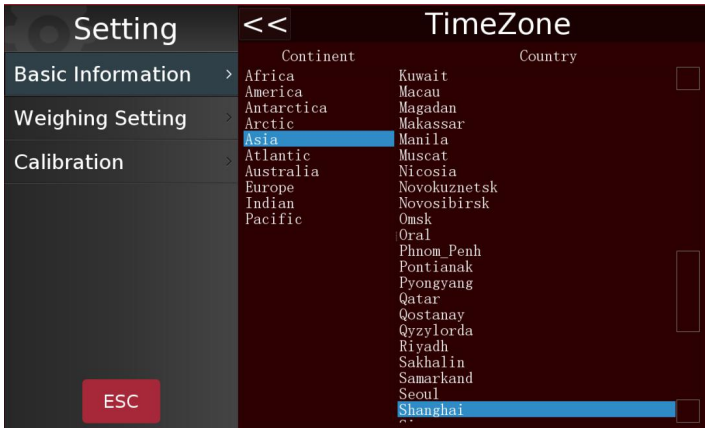


4 If select 5 length,the PLU number will be showed in 5 digits

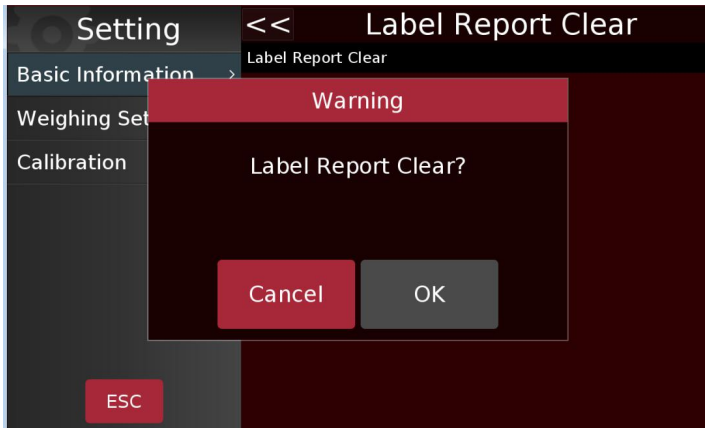
9.4 Time Zone

Time Zone in basic information only can be viewed,it’ s required to enter Launcher to change

The time zone.



9.5 Label Report Clear

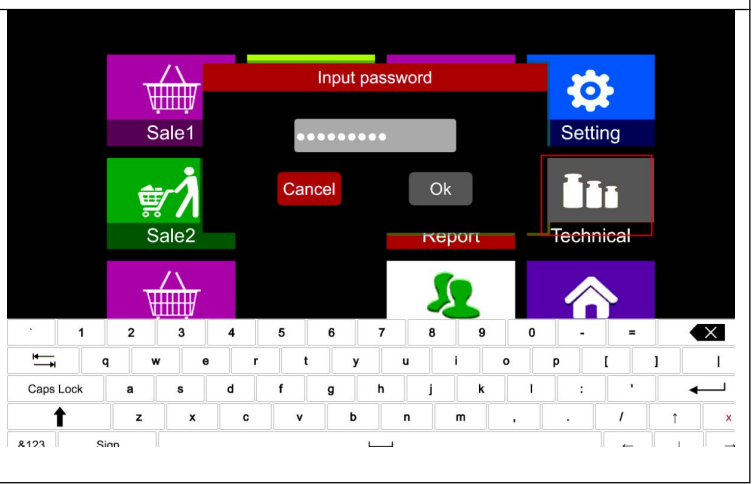


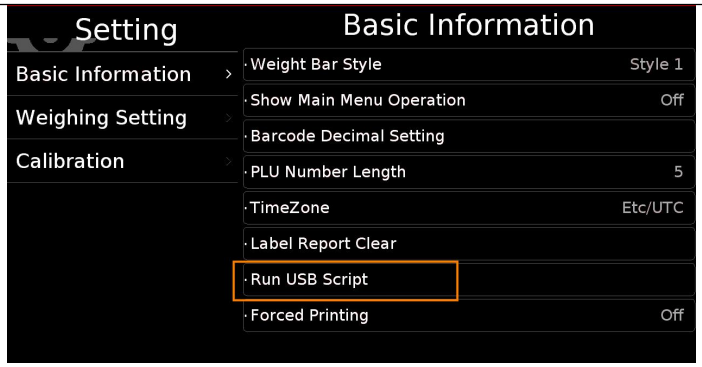
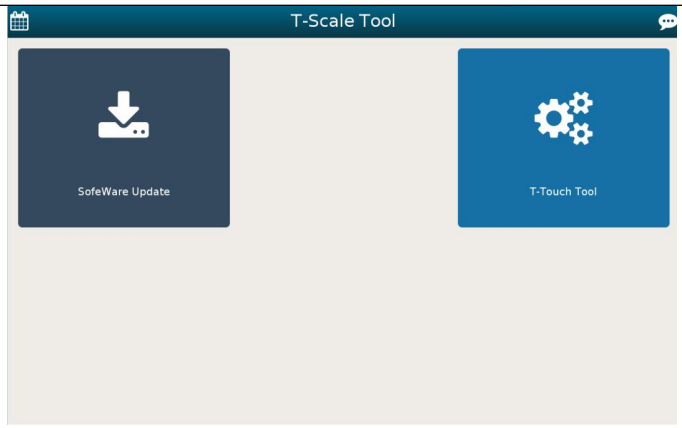
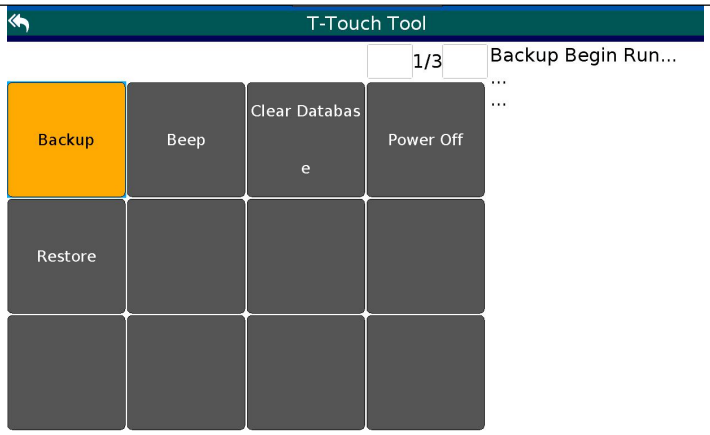
Click Label Report Clear, a prompt box pops up, click OK to clear the report data.

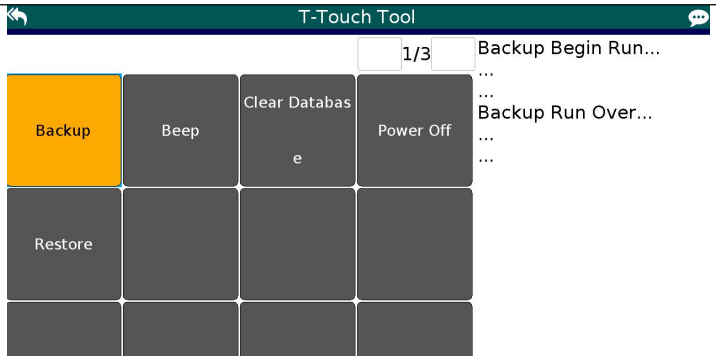
Then return to the main interface, click to view the report, the records of the label report are all cleared.

9.6 Backup and Restore

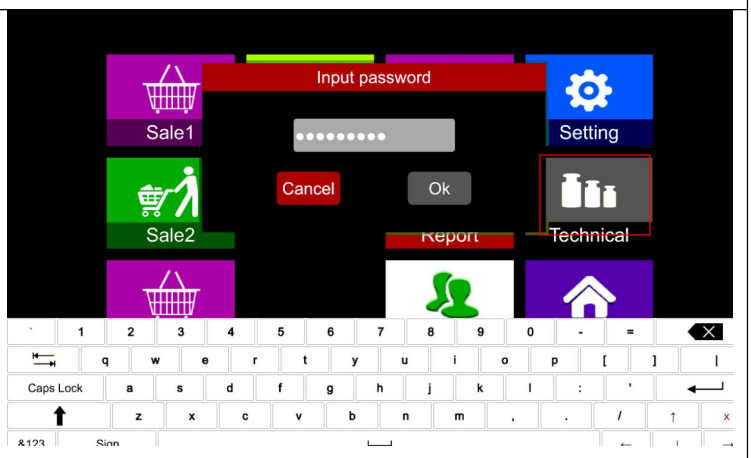
9.6.1 Backup

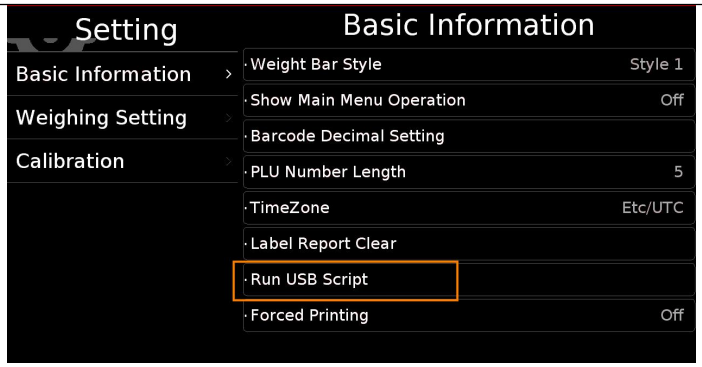
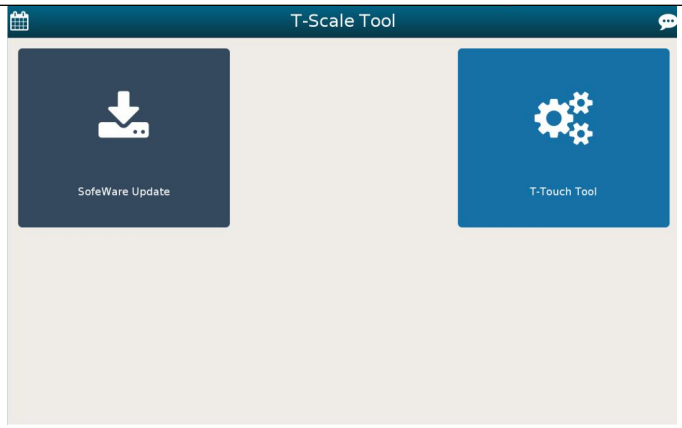
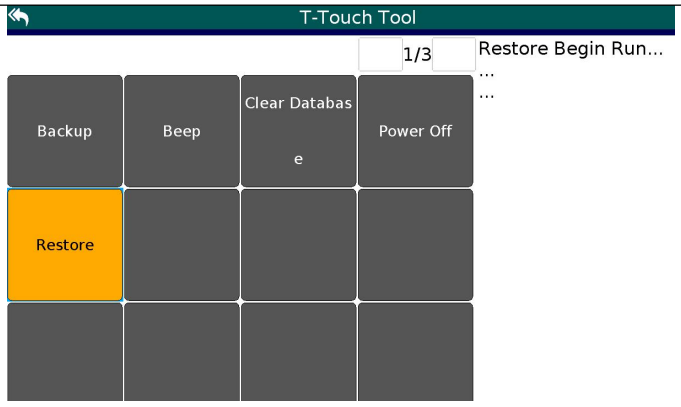
1 Put the script and program into the root directory of the U disk **Note: Do not change the name of two files,it may be caused black screen.**	
2 Insert the U disk to the USB port	
3 Enter the technical setting by inputting the password 999999999 4 And follow to click “OK” to enter	

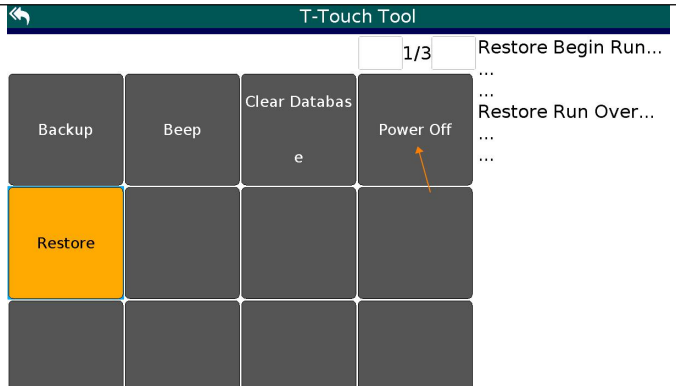
5 Click “Run USB Script” sub-menu	
6 Click “Check USB Connect” to check if the USB is inserted.	
7 If USB Insert is displayed, Click “run script ” and T-Scale Tool window will be displayed 8 Click “T-Touch Tool” to enter	
9 Follow to click “Backup” to backup the database ,the display will show a message “Backup begin Run”	

10 Click “Power off” button until display show another message “Backup run over”. 11 Scale will be power off and backup operation is finished	

9.6.2 Restore

1 Put the script and program into the root directory of the U disk **Note: Do not change the name of two files,it may be caused black screen.**	
2 Insert the U disk to the USB port	
3 Enter the technical setting by inputting the password 999999999 4 And follow to click “OK” to enter	

5 Click “Run USB Script” sub-menu	
6 Click “Check USB Connect” to check if the USB is inserted.	
7 If USB Insert is displayed, Click “run script ” and T-Scale Tool window will be displayed 8 Click “T-Touch Tool” to enter	
9 And follow to click “Backup” to backup the database ,the display will show a message “Restore begin Run”	

10 Click “Power off” button until display show another message “Restore run over”. 11 Scale will be power off and Restore operation is finished 12 Unplug the U disk and turn the power on	

9.7 Forced Printing

Set forced printing on or off

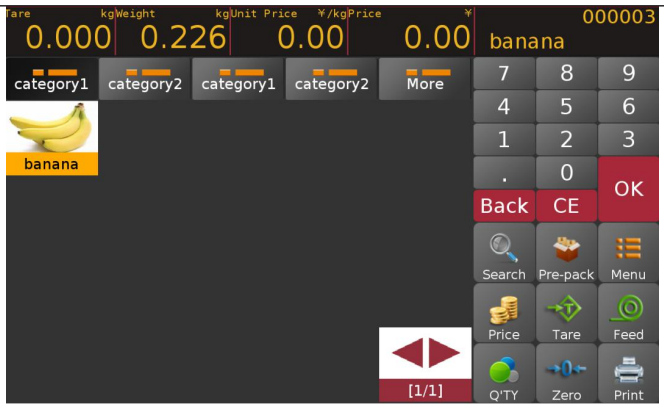
On：When selling items, the label is not removed, click button, you can print the next label.

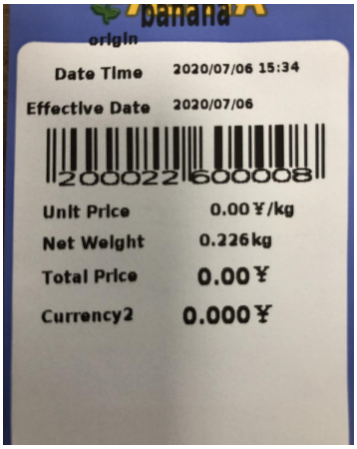
Off：When selling items, if you don’t remove the label, you cannot print the next label, and the screen prompts "Has accumulated", then you need to remove the previous label before you can print the next label.

9.8 Print on zero total

Set print on zero total on or off.

On：When there is weight and there is no total price, click button to print the label.

1. Select a weighted product with a unit price of 0, the display window displays the product name and product number and unit price, load weight, the total price is 0	

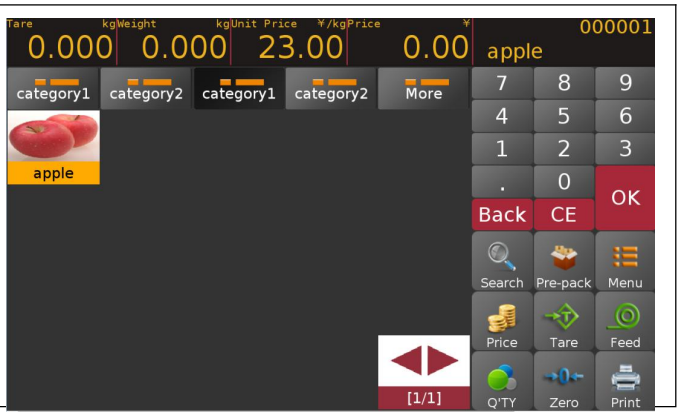
2.Click button to print a label.	

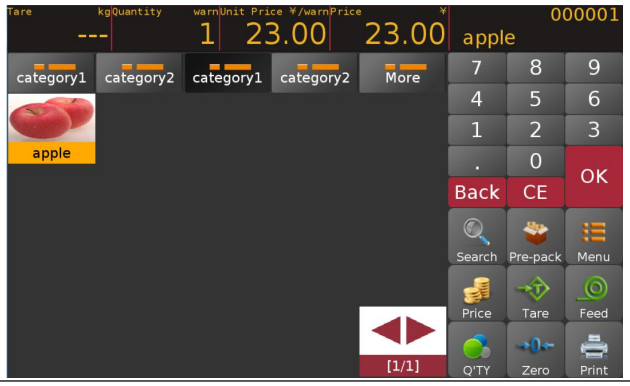
Off： No labels can be printed when the total price is zero.

9.9 Print Zero Weight As One

Set Print Zero Weight As One on or off.

On： Can print weighted products with a weight of 0, as one.

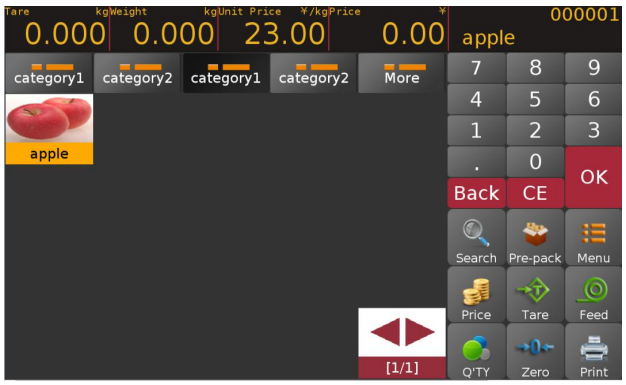
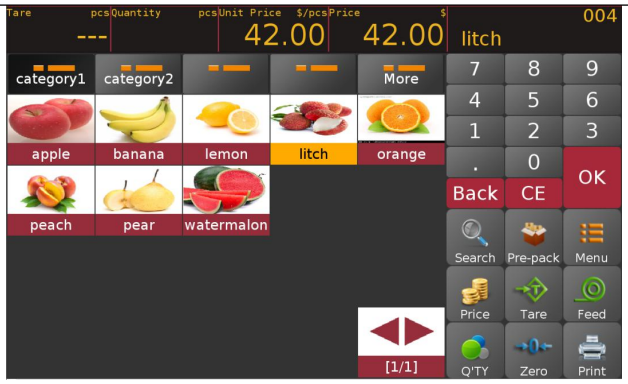
1. Select the weighted product, the display window displays the product name, product number and unit price, weight is not loaded.	

2. Click button, the printed label shows the weighted product as a single counted product.	

off：After selecting the weighted product on the sales page, the label cannot be printed without loading the weight.

9.10 Weight to pieces

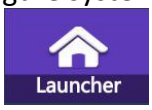
Set the Weight to pieces function on or off, it can be applied to weighing products to be used for counting. The operation is as follows when you choose to turn on：

1. Select weighted products, the display window displays the product name and product number and unit price	
2. Click button ， The weight window becomes a quantity window, and the quantity value flashes.	

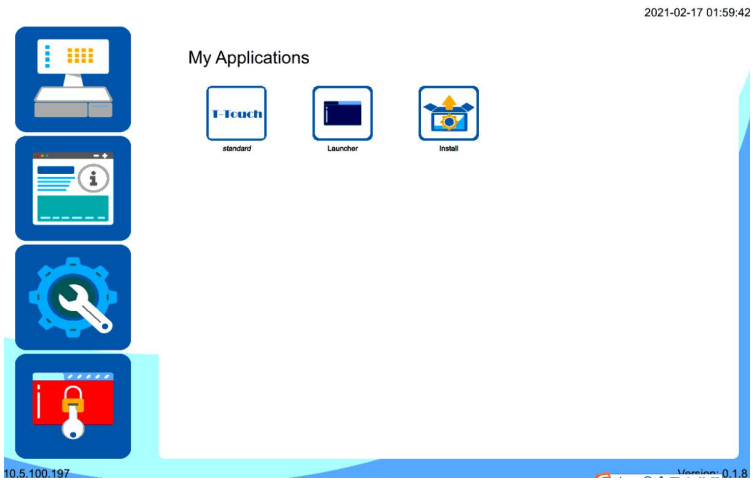
3. Click button again,quantity value becomes 1	
4. Click button. The weighted product on the printed label become a single counted product.	

10. LAUNCHER

[LAUNCHER] is the boot program between a system program and an application program, it can be used to configure system-related settings,application program updating,ect.

Click 

key in the main menu to enter launcher program



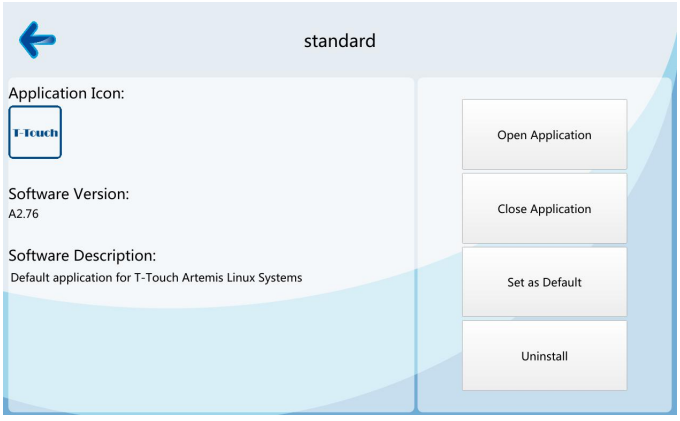
	My application		SW15 retail application
			Launcher information
			Install application
	System Information		
	System Setting		Network setting
			Touch screen setting
			VNC setting

			Date and Time setting
			Brightness of display setting
			USB setting
			Language setting
			Power OFF
	Technical Tool		N.A
			N.A
			N.A
			N.A
			N.A
			N.A
			N.A

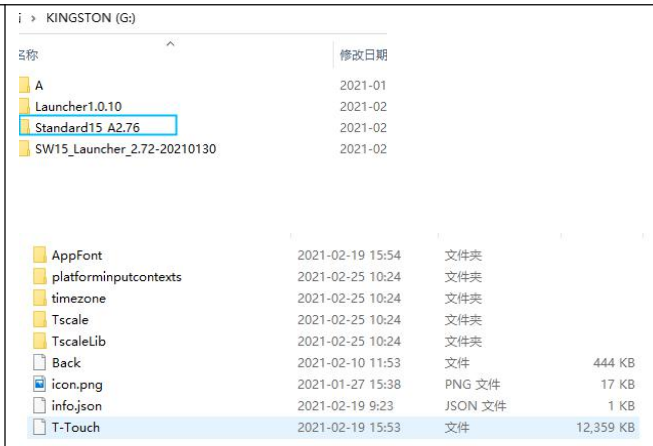
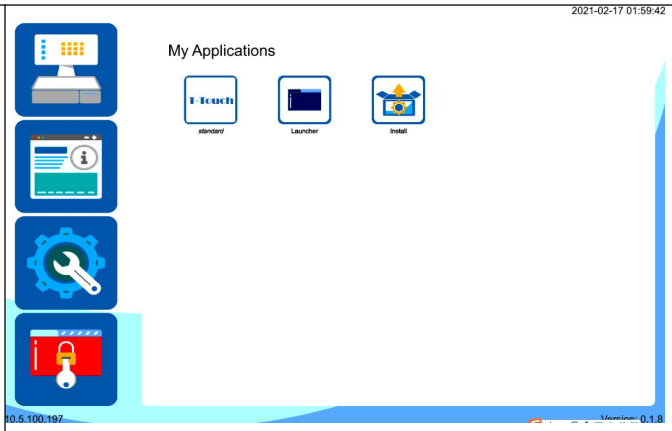
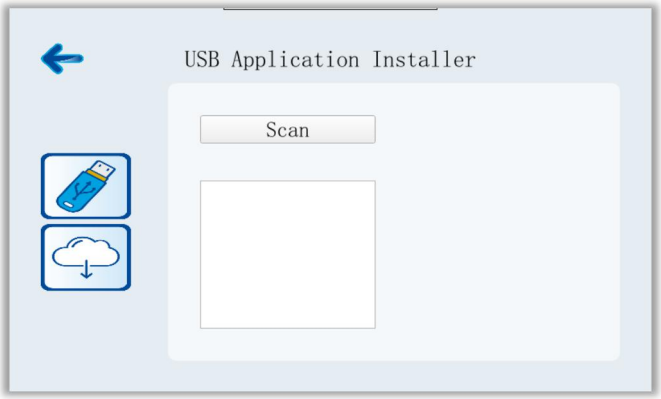
10.1 Application

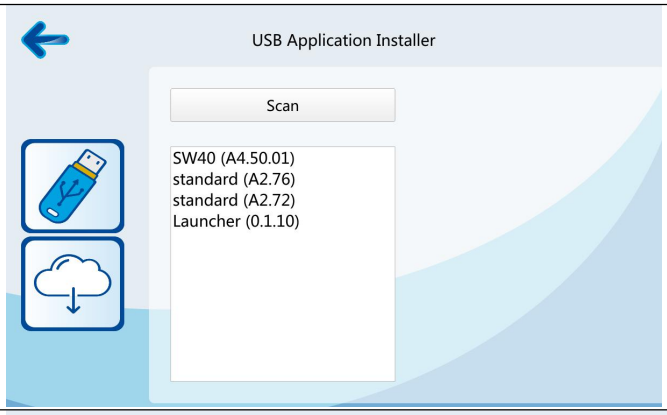
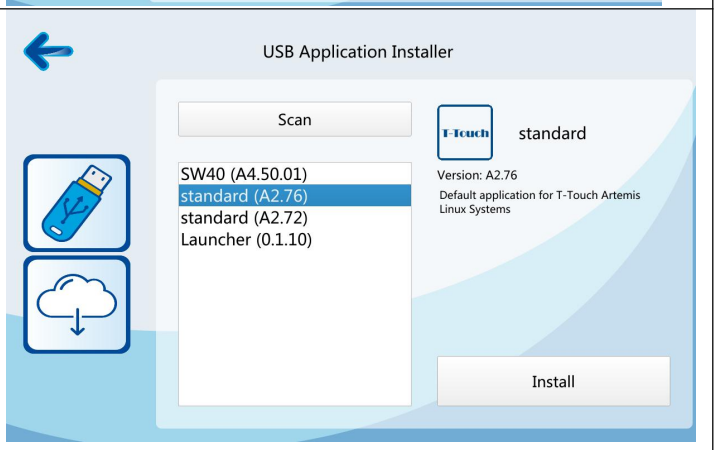
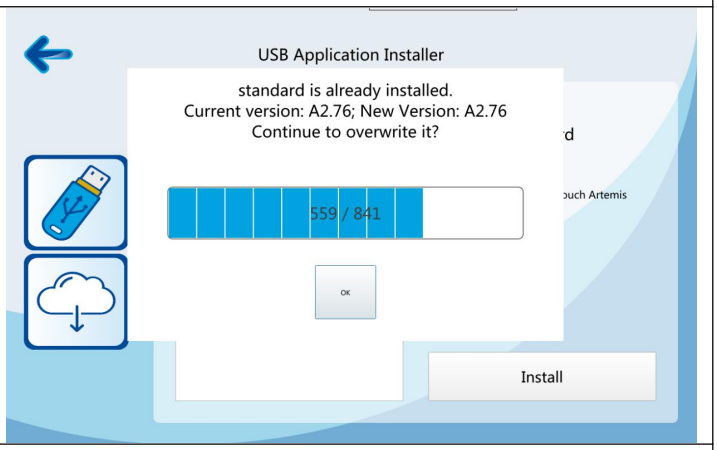
Click T-Touch key to enter SW15 application

Open application:To enter application program
Close application: Close the current application
Set as default: Set the SW15 application as default
Uninstall: Uninstall the application program



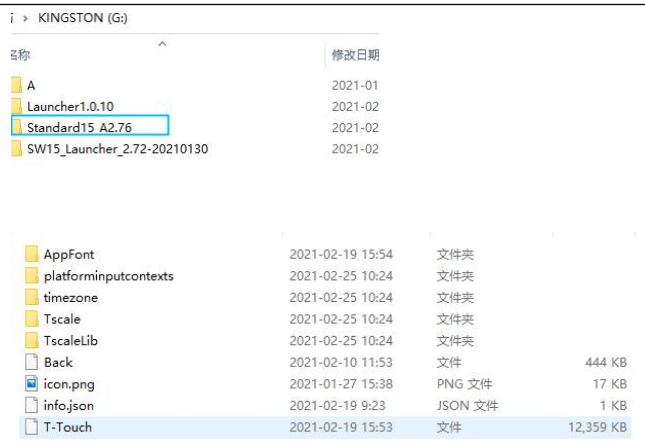
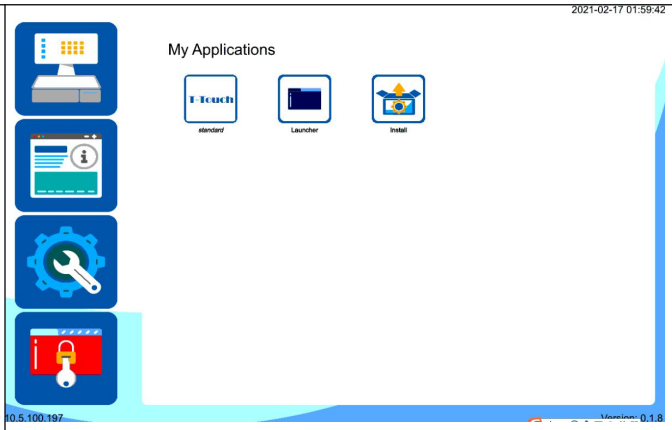
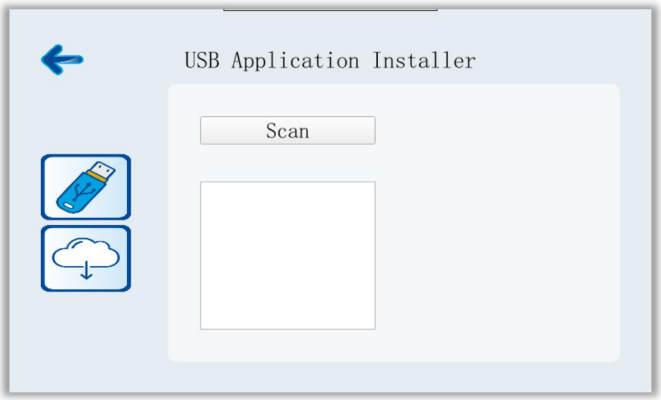
10.2 Install application program

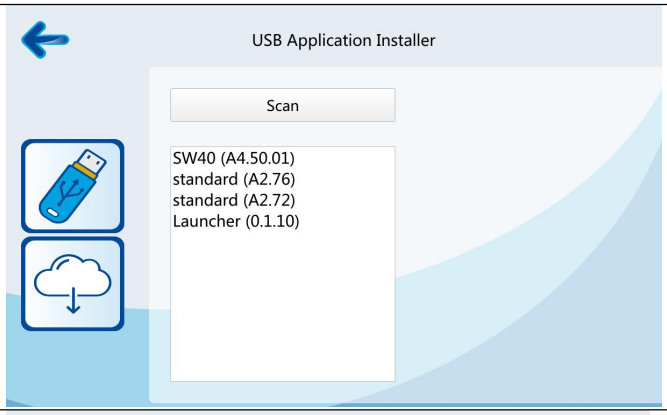
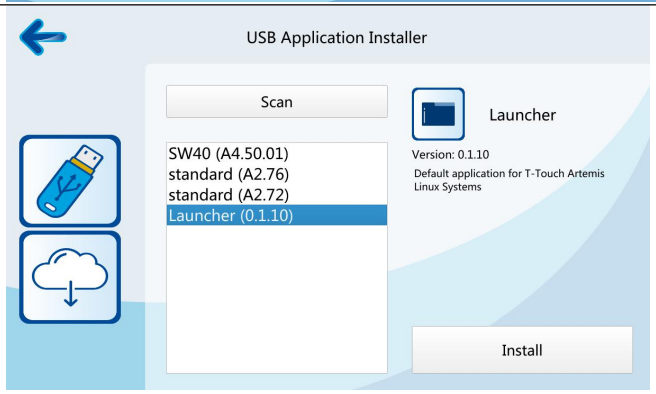
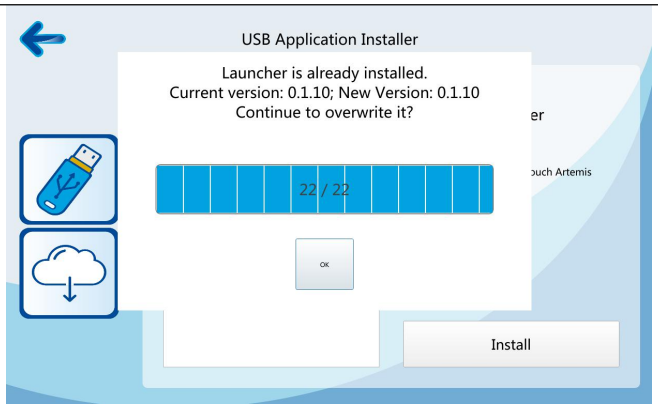
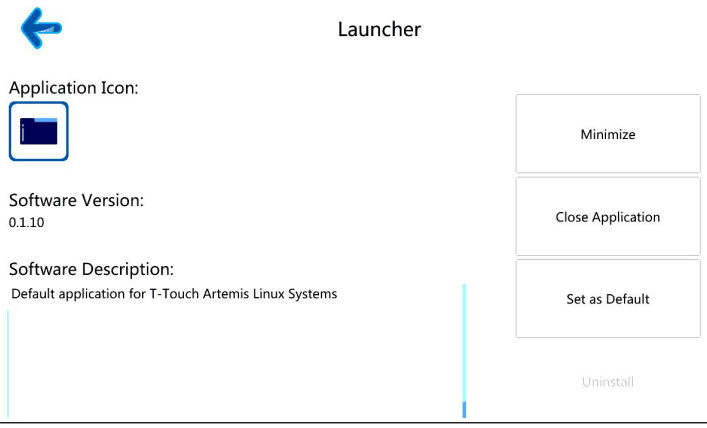
1 Deposit the software to be updated in the root directory of the U disk	
2 Insert U disk into the USB interface;	
3 Press Menu key to enter main menu and select Launcher key to enter	
4 Press to install application programme	

5 Press [Scan] to search the programme to be updated	
6 Select the application programme to be updated	
7 Press [Install] to update the programme	
8 Press [OK]key unless the status bar completed,press the arrow key in the top left corner to exit launcher programme,and scale will be restart.	

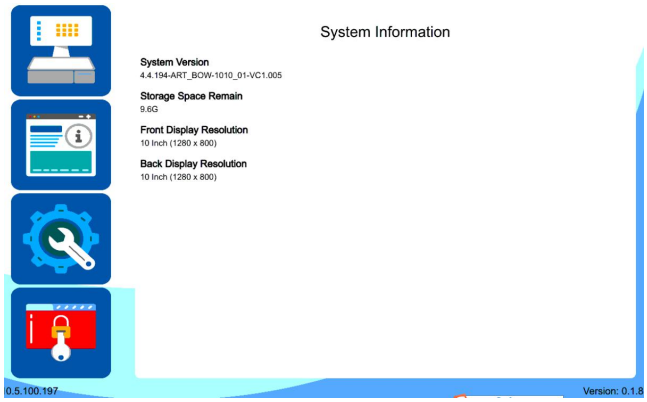
Note:Once updated the software,the database will be clear， please back up the database in advance

10.3 Install LAUNCHER program

1 Deposit the LAUNCHER software to be updated in the root directory of the U disk	
2 Insert U disk into the USB interface;	
3 Press Menu key to enter main menu and select Launcher key to enter	
4 Press to install application programme	

5 Press [Scan] to search the LAUNCHER programme to be updated	
6 Select the LAUNCHER programme to be updated	
7 Press [Install] to update the programme ,where a progress bar appears on the screen;	
8 Press [OK]key unless the status bar completed,press the arrow key in the top left corner to exit launcher programme	

10.4 System Information

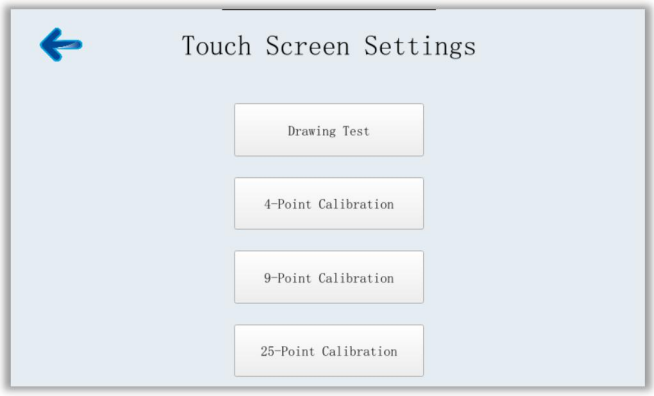


Click key to view system version Storage space remain、 Front display Resolution,ect.

10.5 Touch screen setting

If the touch screen positioning is not accurate, touch screen correction can be carried out through touch screen setting.

Click key to enter the setting



Drawing Test: Draw in touch screen

Clear:clear the drawing

Quit:Exit the touch screen setting

4-Point Calibration:Calibrate in 4 point

9-Point Calibration:Calibrate in 9 point

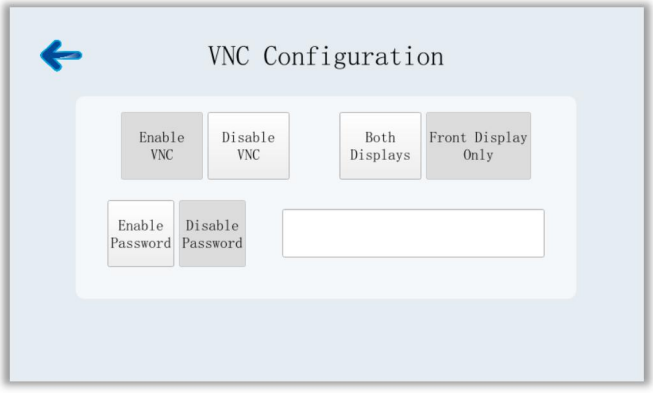
25-Point Calibration:Calibrate in 25 point

【 】： Back to Boot setting

Touch screen correction, the screen will appear positioning point, in succession hold the point until complete the calibration.

10.6 VNC Setting

The scale support to be remote control by VNC software,it’s required to turn on VNC function in advance



Enable VNC:Open VNC

Disable VNC： Close VNC

Both Displays:Front and rear display can be remote control

Front Display Only:Only front display can Be remote control

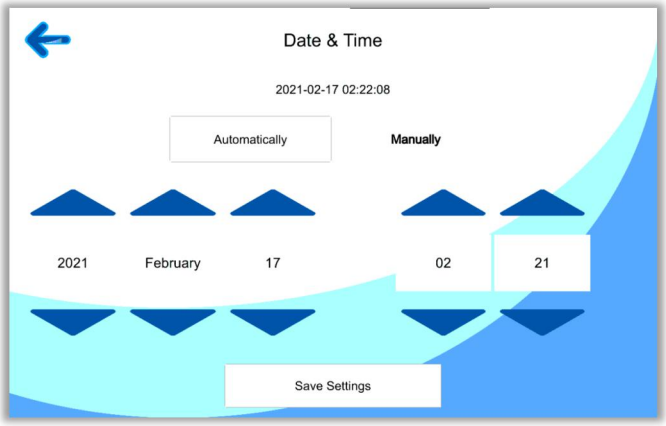
Enable Password:It's required password When log in VNC

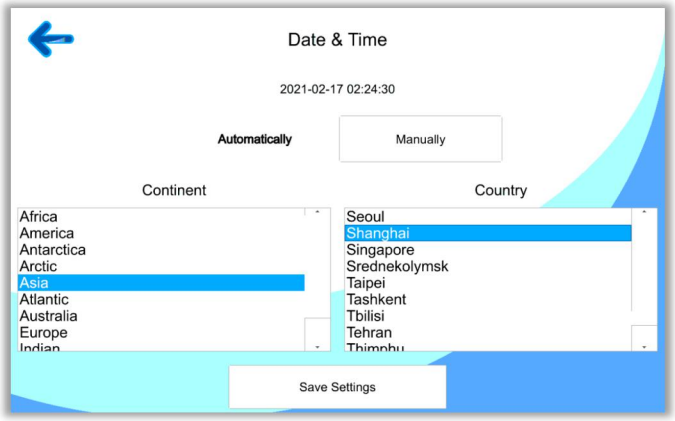
Disable Password:There is no need to enter Password when log in VNC

【←】： Back to Boot setting

10.7 Date and Time Setting

It allows to update the date and time of scale manually and automatically





1 Press[Manually]to enter date and time setting

2 In succession press up and down arrow keys to change the date and time

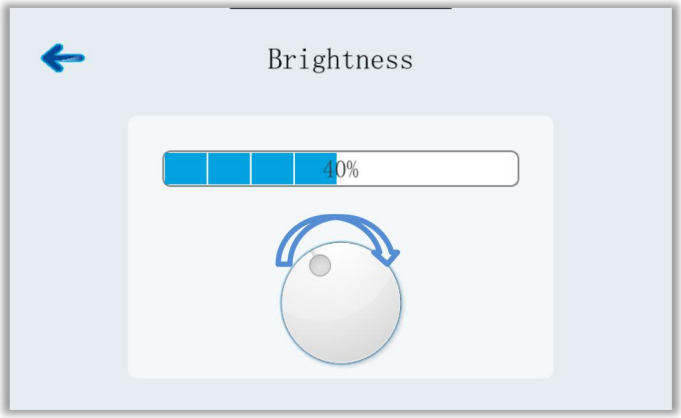
1 Press[Automatically] to select continent And country，

2 Press[save settings]to confirm.

Note:To enable automatically update date and time ,It should be connected network

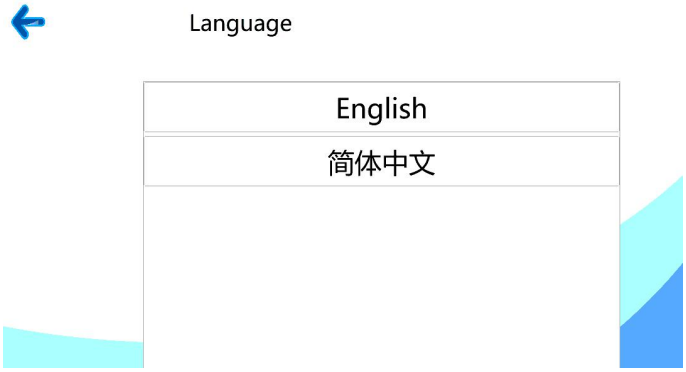
10.8 Brightness Setting

Press to enter brightness， Hold the button to rotate and adjust the brightness, and the progress bar on the screen will be follow to change.



10.9 Language Setting

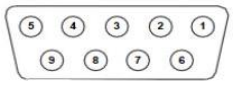
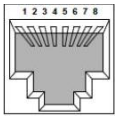
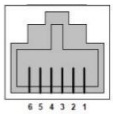
Press key to enter language setting ,it support to change English to Chinese language.



11. COMMUNICATION

11.1. General

Device has the RJ45, RJ11, USB, RS232, Wi-Fi interface options for meeting different communication needs.

Type	Connector	Speed	Distance	Device
RS-232C	DB 9Pin Connector 	115200bps	Max 15m	PC, Printer
Ethernet	RJ-45 Connector 	100Mbps (100 Base-T)	Max 100m	PC, Router, Scale
Wireless	Wi-Fi	150Mbps IEEE 802.11n	Max 50m	PC, Router, Scale
Cash Drawer	RJ-11 Connector 	100Mbps (100 Base-T)	Max 100m	Cash Box
USB	USB A-Type Connector	115200bps	Max 15m	External USB storage, Mouse, Key board, Barcode Scanner

11.2. RS232 wire connection

11.2.1. Specifications

Communication > Com1 or Com2

Settings for RS-232		Remarks
Mode	Off / Print / Continue/ASK	Used to set the mode of operation Off: Com port turned off Print: Used to choose the printer(N.A) Continue: Used to set to continues weighing data output ASK Command: z/Z：Zero t/T：Tare w/W：Send weight one time p/P: Send unit price one time
Baud rate	600 ~115200	Used to set the Baud Rate
Data Bits	6,7,8	Used to set the Data Bits
Stop Bits	1 or 2	Used to set the stop bits

11.2.2. RS-232 (DB9 type connector)

Pin 2	RXD	Input	Receiving data
Pin 3	TXD	Output	Transmission data
Pin 5	GND	—	Signal ground

9pin Connector:

DB 9 Male to Scale DB 9 Female to PC

Note: if data is not getting, interchange one of the connector Pin 2 & Pin 3 connections.

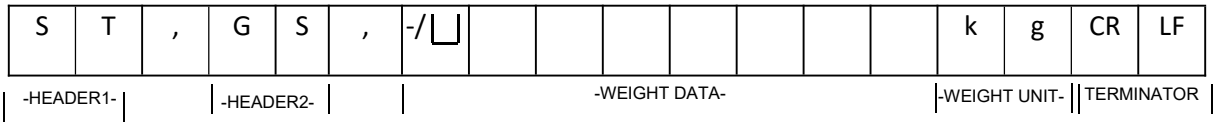
11.2.3. Continues weight output

HEADER1: ST=STABLE， US=UNSTABLE

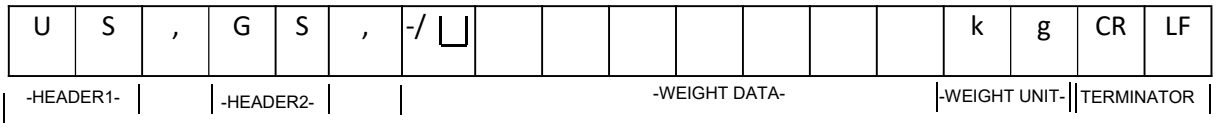
HEADER2: NT=NET， GS=GROSS

WEIGHING UNIT : kg

Stable data Communication



Unstable Data Communication



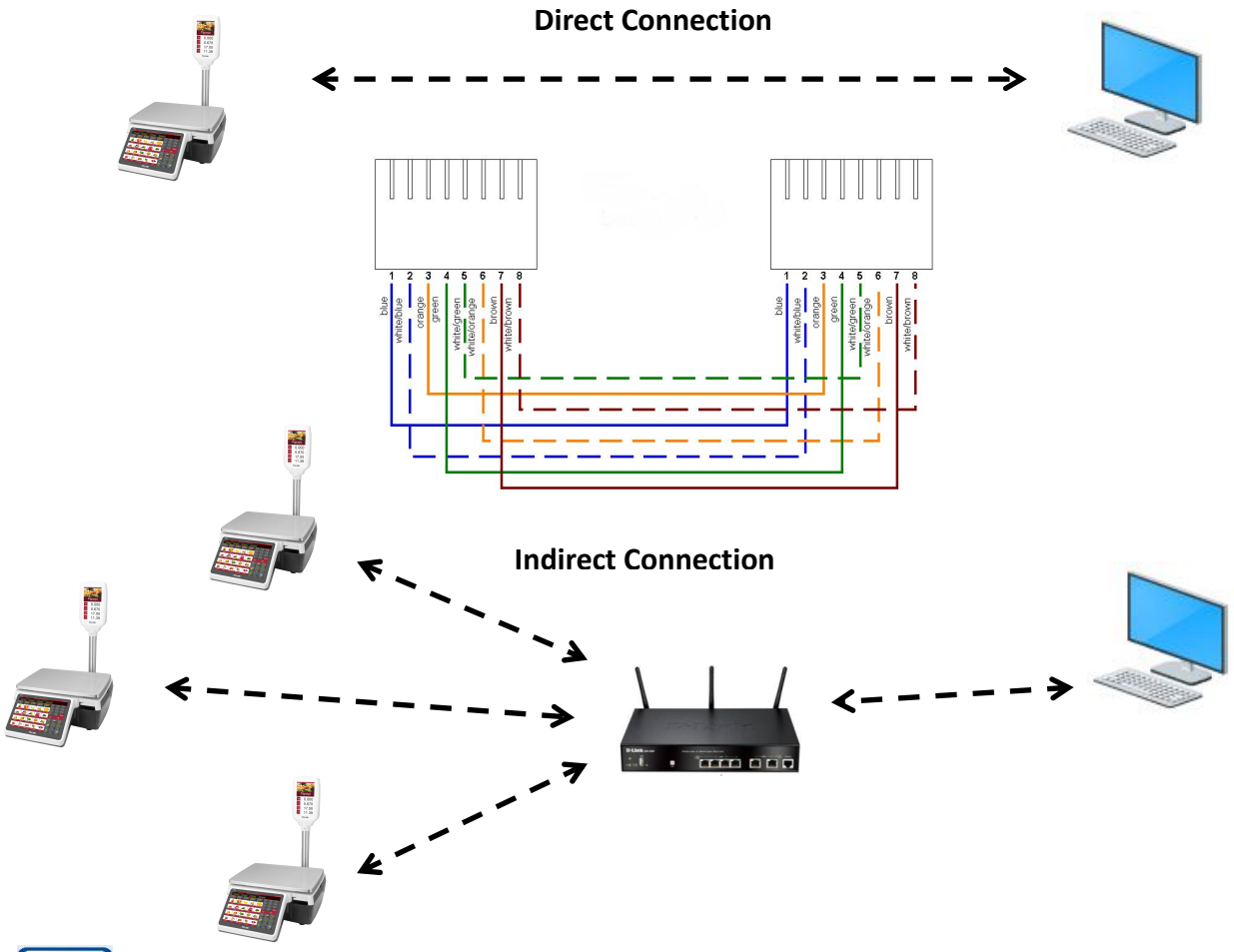
Gross data Communication

Tare (Net Weight) Data Communication

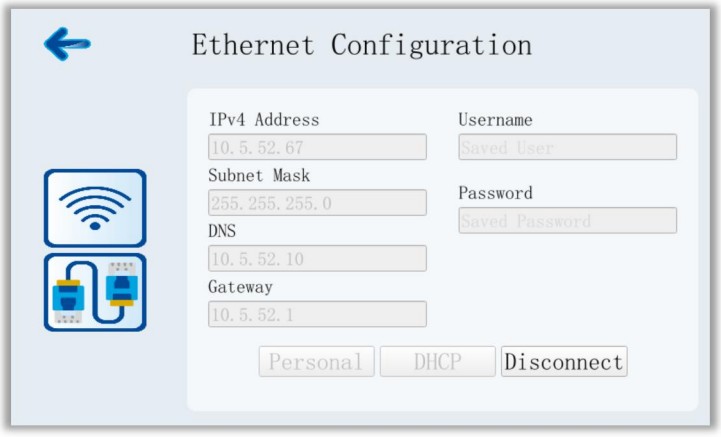
Unstable Tare (Net Weight) Data Communication

11.3. Ethernet Connection

11.3.1. Ethernet straight wire connection



Click to enter Ethernet connection，



The setting required for Ethernet network interface with PC application software.		
Settings for Ethernet option		Remarks
Connection type	DHCP/Setting	Used to set to DHCP / or manual setting
Personal/Enterprise	To connect Personal network /To connect Enterprise network	
IP Address	192.168.010.100	Local IP address - Should be in 4 groups and each groups should have 3 digits. Value should not be More than 255
Subnet Mask	255.255.255.0	Used to set the subnet mask. Sub netting is used to break the network into smaller, more efficient subnets to prevent excessive rates of Ethernet packet collision in a large network
Gateway	192.168.010.001	Used to enter the default gateway address as per the network requirement
DNS	192.168.010.002	Used to enter the primary DNS as per the network requirement
User name	Enter user name for Personal/Enterprise net work	
Password	Enter password for Personal/Enterprise net work	

Operation:

1. Make connection the scale with computer or router by using RJ45 Ethernet cable

2. Select [Launcher]>[setting] > [Network] option;

3.Click DHCP (obtain IP address automatically);

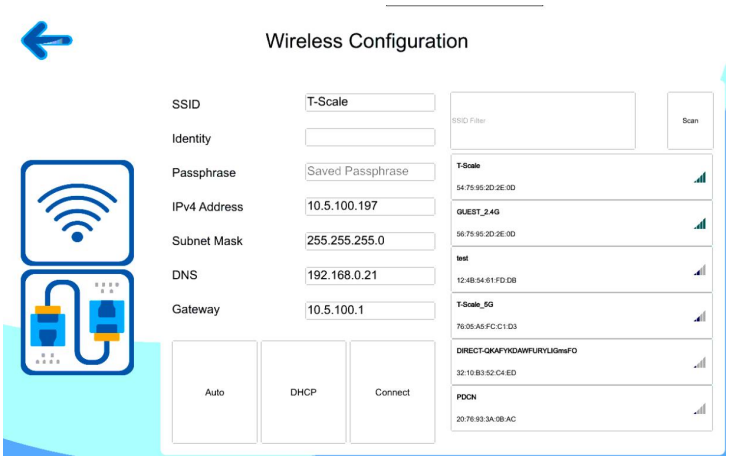
4.Click [connect]key to confirm

5. Select setting >communication> eth0, the IP address will be displayed.

11.4 WLAN connection

Click to enter network setting, it include Ethernet and Wireless network.

Click to enter wireless network setting

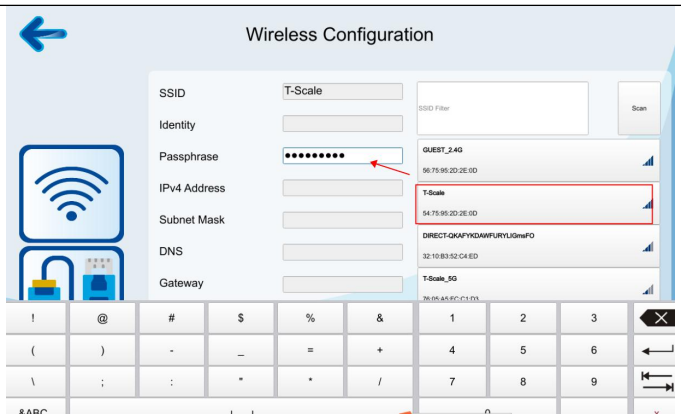
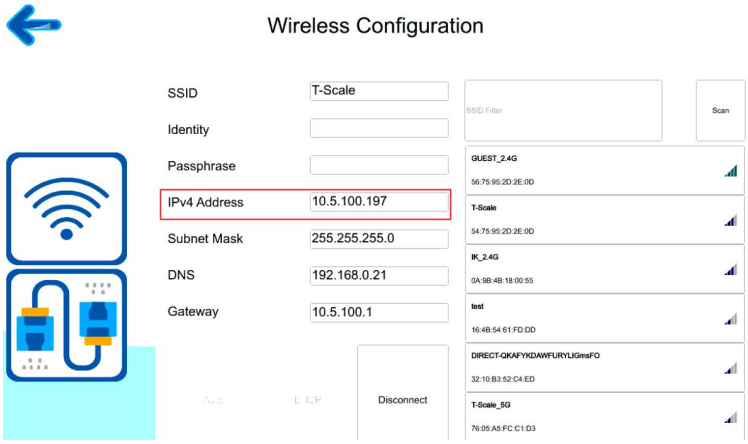


Wlan option allows you to connect to Wifi network, it can search the wifi network and connect to communicate.

Wi-Fi Settings	**Remarks**	
Auto/Manual	Used to obtain the SSID automatically / The SSID can be changed to be connected network	
DHCP/Static IP	Used to obtain the IP address automatically / or manual set the static IP address	
IP Address	192.168.010.100	Local IP address - Should be in 4 groups and each groups should have 3 digits. Value should not be More than 255
Subnet Mask	255.255.255.0	Used to set the subnet mask. Sub netting is used to break the network into smaller, more efficient subnets to prevent excessive rates of Ethernet packet collision in a large network
Gateway	192.168.010.001	Used to enter the default gateway address as per the network requirement
DNS	192.168.010.002	Used to enter the primary DNS as per the network requirement
Scan	Refresh Network	Used to set to refresh available networks or search the net work as you desired
SSID Filter	Used to enter the hidden network in the blank field,click SCAN key to search	
Connect	Select the network to be connected ,click connect key to confirm	

Wireless connection operation:

1. Click the "Menu" button on the sales interface to enter the main page;
2. Click【Launcher】>【setting】>【Network】to enter network setting

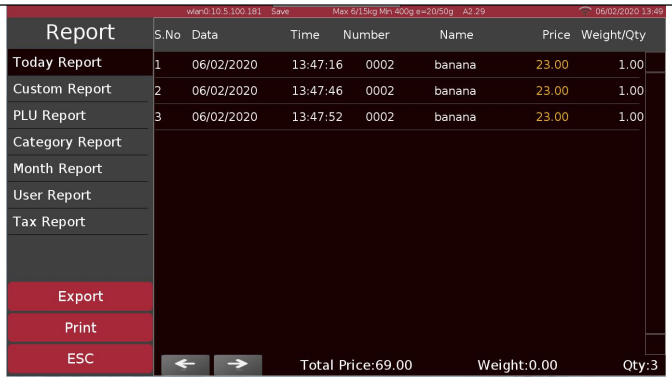
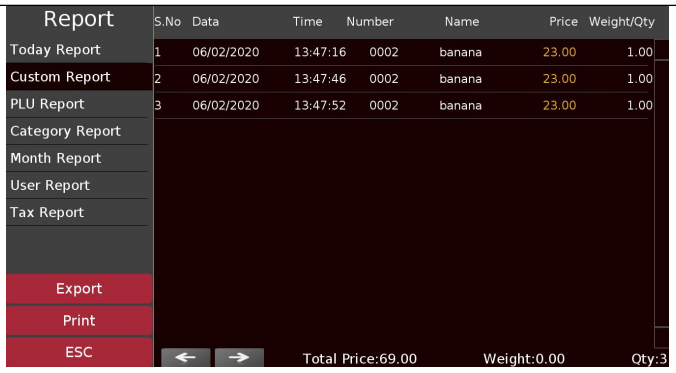
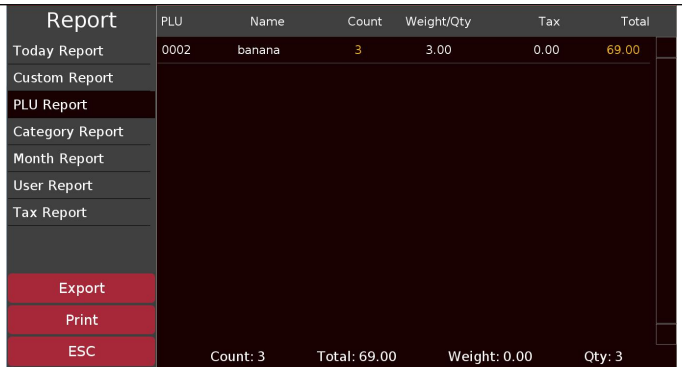
3.The available networks will be display;	
5.Click the wireless network as you desired and input the password;	
6.Click “**CONNECT**” key to confirm; The IP address on the scale automatically appears, indicating that the network is now connected	
7.If want to connect another available network ,it’s required to disconnect the current network by clicking “**Disconnect**” button	
8.Select setting >communication> wlan, the IP address will be displayed,and the WIFI indication will be on	

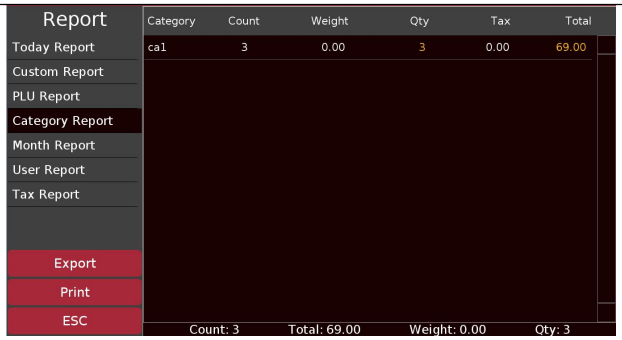
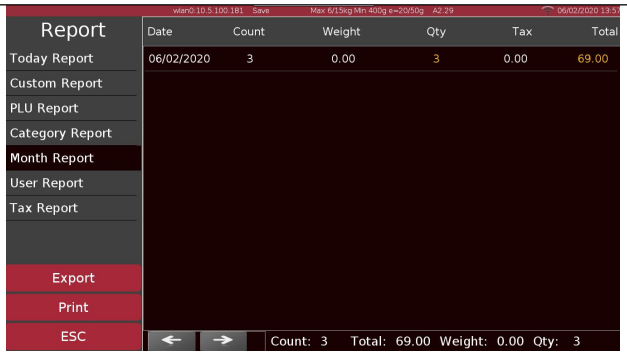
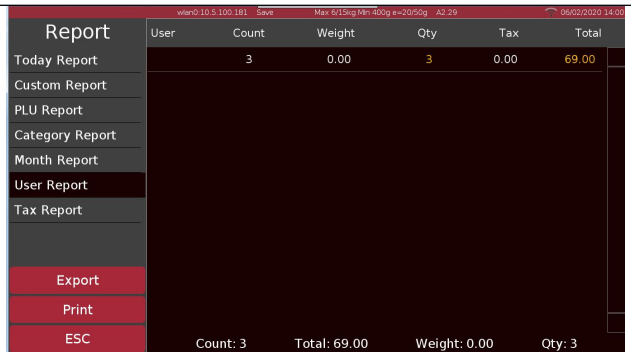
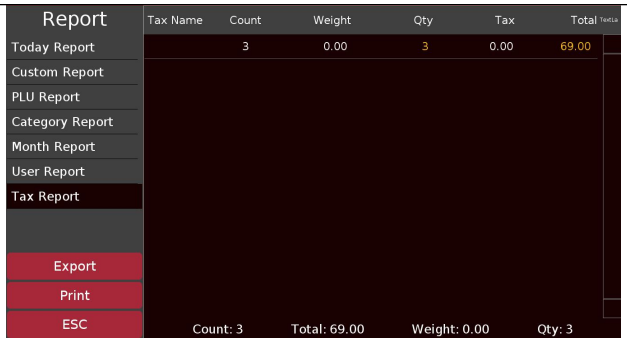
12. REPORTS

12.1 Label Reports

Click

key to enter check reports database,including Today Report/Custom Report/PLU Report/Category Report/Month Report/User Report/Tax Report.All of reports data can be exported to external USB disk in a csv.file and can be printed out by pressing “Print” key.

1 Today Report	
2 Custom Report Select date start and date end Click “ok” key to confirm,the custom reports appears on the display.	
3 PLU Report Select date start and date end Select begin PLU and end PLU number range Click “ok” key to confirm,the PLU reports appears on the display.	

4 Category Report Select date start and date end Select category from the drop down list Click “ok” key to confirm,the category reports appears on the display.	
5 Month Report Select Month from the calendar Click “ok” key to confirm,the Month reports appears on the display.	
6 User Report Select date start and date end Select user name from the drop down list Click “ok” key to confirm,the user reports appears on the display.	
7 Tax Report Select date start and date end Select Tax name from the drop down list Click “ok” key to confirm,the tax reports appears on the display.	

Note: To enable the label reports function on,it’s required to enter “operating settings” to select “label report”>ON,otherwise the label reports will not be available.

12.2 Receipt Reports

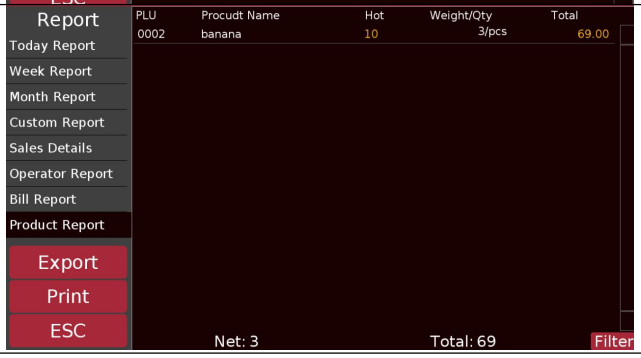
Click

key to enter receipt operation mode.Click “menu” key to enter main menu.

Click

key to check receipt reports database,including Today Report/Week Report/ Month Report/Custom Report/Sales Details/Operator Report/Bill Report/Product Report.All of reports data can be exported to external USB disk in a csv.file and can be printed out by pressing “Print” key.

1 Today Report	
2 Week Report	
3 Month Report	
4 Custom Report Select date start and date end Click “ok” key to confirm,the custom reports appears on the display.	

5 Sales Details	
6 Operator Report Select date start and date end Select operator name from the drop down list Click “ok” key to confirm,the user reports appears on the display.	
7 Bill Report	
8 Product Report Select date start and date end Click “ok” key to confirm,the product reports appears on the display.	

Note: To enable the receipt reports function on,it’s required to enter “operating settings” to select “receipt report”>ON,otherwise the receipt reports will not be available.

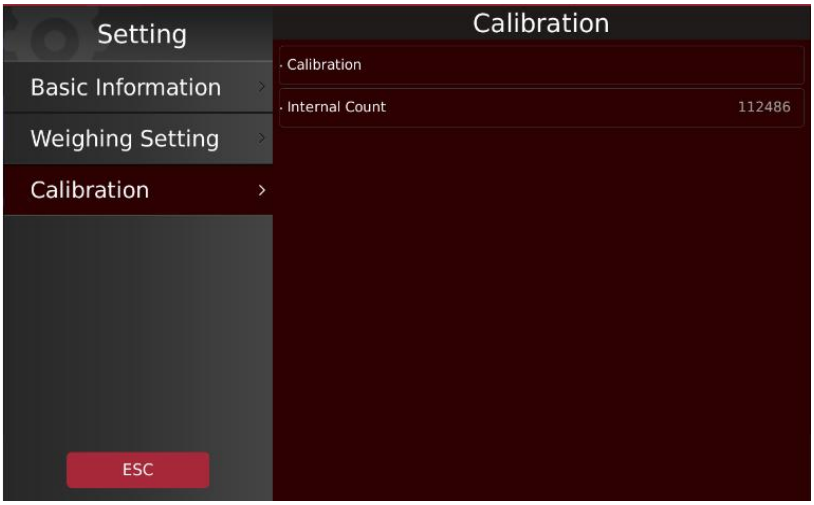
13. CALIBRATION

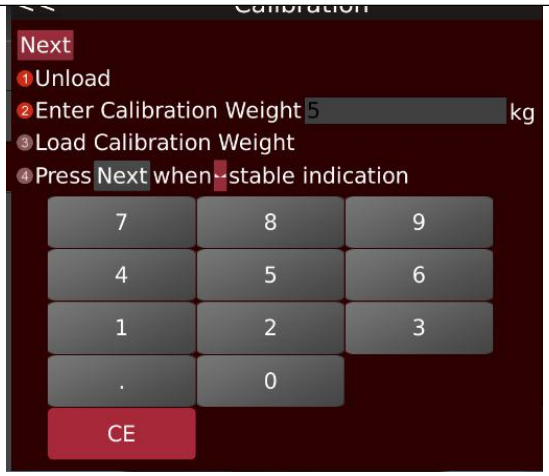
It's allows you to do the calibration by using different ways to use in the different environments.

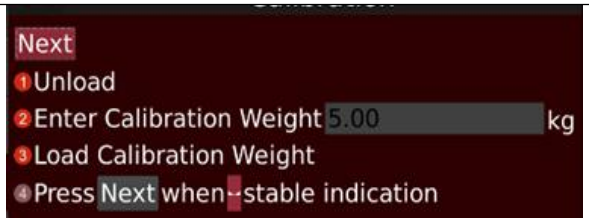
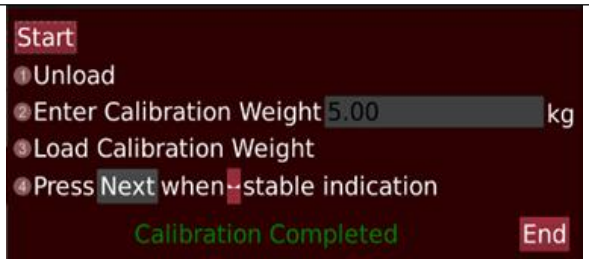
Click

key to enter parameter setting It may be ask to input password to access the parameter,

The default password is 999999999.Before to enter calibration mode,it's required to press calibration switch,locating below the scale.



Steps	Remarks
Calibration. Click "Start" key. 1) Unload (Remove goods from the plater, if any)	
Click "Next" key. 2) Enter Calibration Weight (Click the weight value field for entering test weight value. Better to use minimum 1/3 of the scale capacity)	

Click “Next” key. 3) Load Calibration Weight (Place the test weight on the platter)	
Click “Next” key. 4) Press “Next” key (Calibration Completed) Click the “End” key for close the window or If the display shown fail, click “Start” key for continue again.	

Note: OIML approved version must be press the calibration switch for accessing legally relevant function.

14. TROUBLE SHOOTING

The following table lists the most common problems along with their solutions and assists you to solve problems.

Problem	Possible cause	Common solutions
Cannot turn on power	Mains power is turned off Power supply is not plugged in Power supply faulty Display is turned off	Check power switch is turned on, and power LED is working. Verify the voltage going to the scale matches the power supply labels on the power module or scale.
Display is unstable	Air variation Pan is in contact with foreign materials or not installed correctly Sample is moving Vibrations from table Dramatic Temperature changed Power supply / battery faulty	Verify the scale is in an acceptable location and on a good table / surface. Verify the power supply is correct for the scale.
Weight value incorrect	Calibration error, Linearity error, Linearity calibrated with inaccurate weights Balance not leveled some materials between the sample and cover, Wrong weighing unit displayed	Calibrate again, pay attention to the test weight used, the stability of the scale, and the required weighing unit. If it's required do the linear calibration. Check pan is installed correctly. Verify installed in an acceptable location.
Cannot use Full Capacity	Overload Stopper touching pan support or bottom of the load cell *Transportation lock not removed, A/D circuit problem, Parameters set incorrectly, Load Cell or mechanics Damaged	Verify any objects under the pan or load cell, transporting lock, and verify pan installation. Check the weighing units used.
Not Linear	Overload stopper touching, Load cell or mechanics damaged A/D damaged	Verify any objects under the pan or load cell, transporting lock, and verify pan installation. Re calibrate and linear calibrate with ideal standard weights
Off Center Loading error	Adjust mechanism. Overload Stops not correct. Load Cell damaged	Verify any objects under the pan or load cell, transporting lock, and verify pan installation. Ensure load cell fixed correctly.
Touch screen incorrect	Touch screen need do correction Housing assembled by over tighten.	Connect a mouse, use mouse to enter touch screen correction for to calibrate touch screen. Loose housing screws, if overtighten.
System hang	Software error, need restart	Hold ON/OFF key for 6 seconds to restart the scale.

		Disconnect battery and charger, connect again and turn on the power
Disconnect AC adapter will turn off power	Battery low	Verify the batteries are rechargeable types and charging voltage getting proper. Plug AC adapter to charge battery. Replace battery
LCD off but power LED on	Scale in sleep mode System hang	Press ON/OFF key to back to working mode Hold ON/OFF key for 6 seconds to restart the scale. Disconnect battery and charger, connect again and turn on the power
Can't turn on power after update software by USB	System hang Update software incorrect, Used old core software.	Disconnect battery and charger, connect again and turn on the power. Use another USB flash driver to update software. Update core software.
Not Printing	Printer Format not select,	Select the print format as default or for the specific product .

14.1. Error messages

--ol--	Over load	Remove the load. Re calibrate
--Ul--	Underload	Minus weight, check the platform and restart or calibrate.
Err 4	Zero setting error	Zero setting range exceeded due to switching on.(4%max) Make sure platform empty.
Err 19	Initialize zero error	Calibration the scale.

In the case of errors which you cannot eliminate yourself and which are not described in these operating instructions, please contact T-Scale technical support team.

15. MAINTENANCE

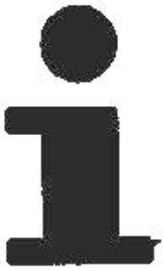
WARNING

DISCONNECT ALL POWER TO THIS UNIT BEFORE INSTALLING, CLEANING, OR SERVICING.

FAILURE TO DO SO COULD RESULT IN BODILY HARM OR DAMAGE THE UNIT.

PERMIT ONLY QUALIFIED PERSONS TO SERVICE THE DEVICE

15.1. Preventive Maintenance



Weekly Inspection!

Make a visual inspection for the connectors for broken or damaged or positioning and any foreign elements stored.

Remove the platter to inspect and clean the area.

Clean the outside of the scale using a damp cloth with warm water.

Check the power cord for broken or damaged

Open printer cover to inspect printer head, cassette positioning and inspect any foreign elements stored

15.2. Cleaning (External)

Turn the power off before cleaning the device.

Do

Touch Screen and Customer display:

Only use a soft, clean cloth dampened with mild detergent and water to clean the display screen.

Device housing and platter:

Clean using a soft, clean cloth dampened with a mild cleaner or detergent and water.

Don't Do

Do not use solvents or commercial cleaners on the device.

Do not spray directly on the device.

Frequency Recommended: weekly

15.3. Printer Cleaning

Materials Required:

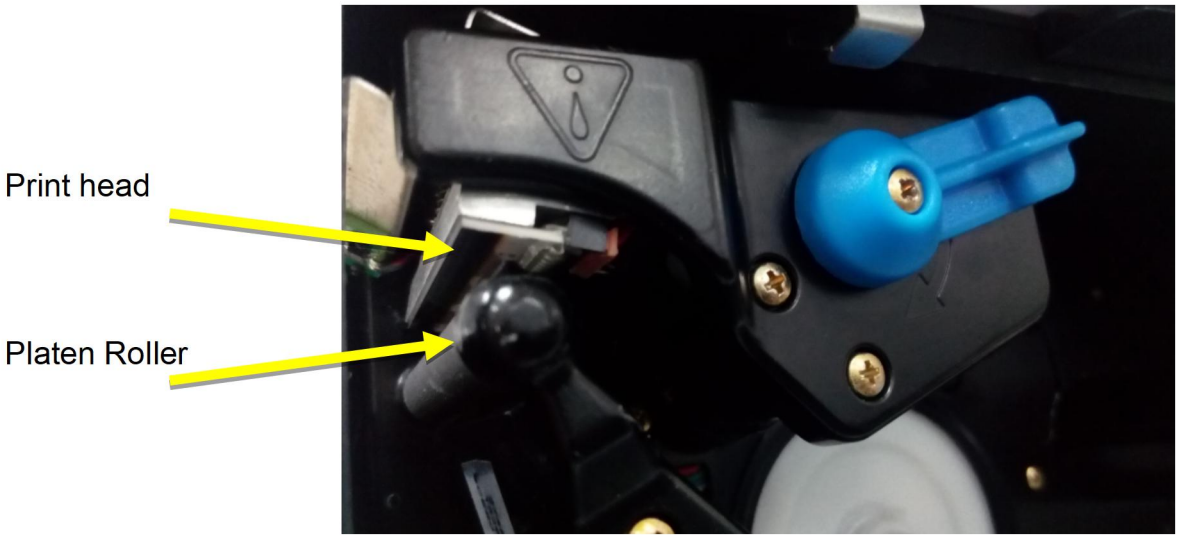
1) Small Soft Brush
2) Cotton Swabs
3) Alcohol

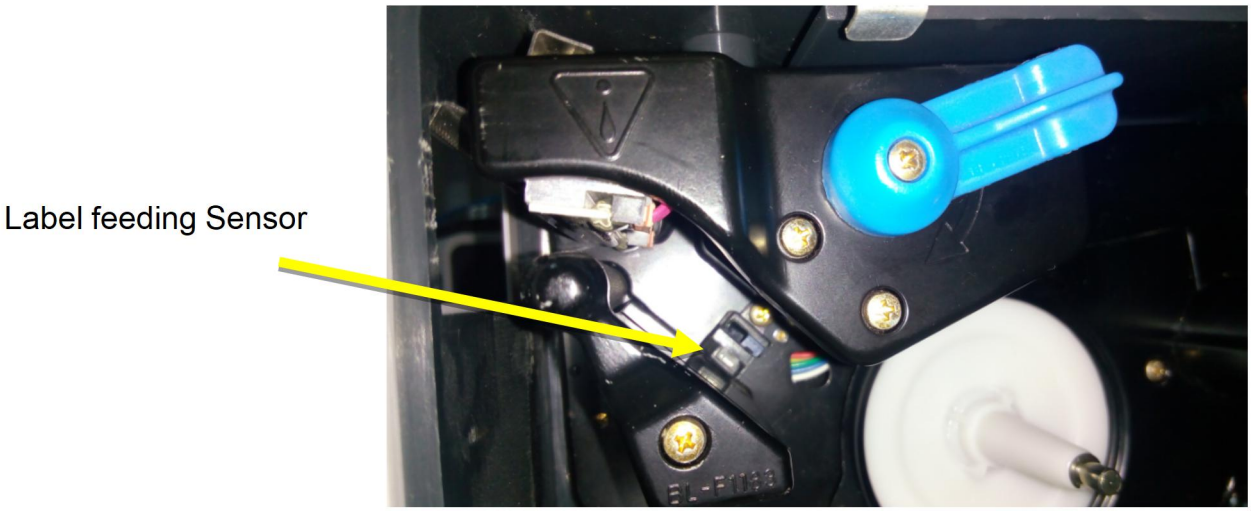
WARNING

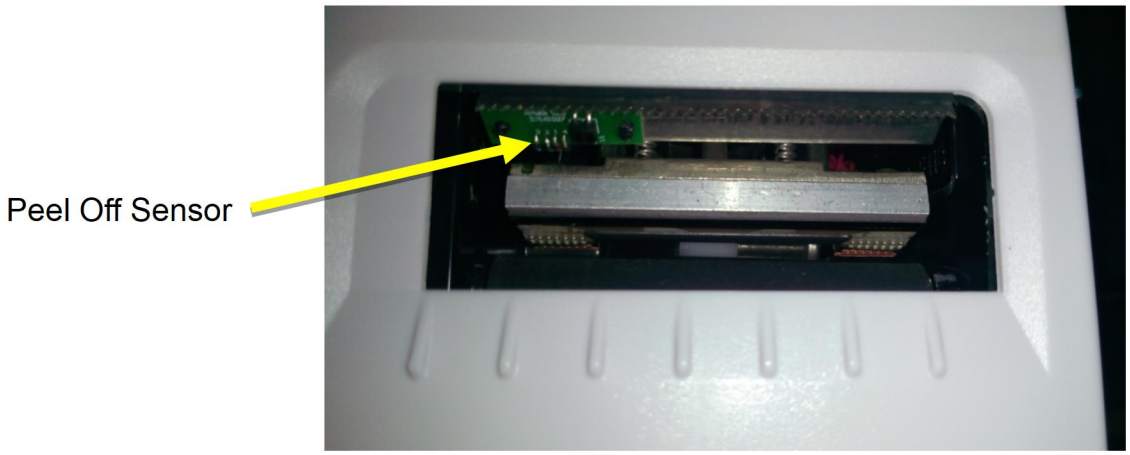
DO NOT USE ANY METAL OR SHARP OBJECT TO SCRAPE THE PRINT HEAD AND PLATEN ROLLER.

FAILURE TO DO SO COULD RESULT IN DAMAGE THE UNIT.

Open printer cover and release cassette release lever for removing cassette and access to the print head.







Clean the print head and platen roller when the labels are changed or when the print quality has degraded.

Raise the print head by releasing cassette lock lever.

Use a cotton swab with alcohol to clean any label glue or any materials stuck to the print head.

Insert a cotton swab soaked in alcohol through the front opening for contacts the platen roller.

Press the feed button to rotate the roller, while the cotton swab is touching the roller. As the roller turns move the swab across the surface of the roller to clean off any glue or materials. (Insert a paper to the label feeding sensor area for stop to rotate roller)

By using a soft brush, complete the cleaning to remove any label dust from the interior of the printer and from around the Take Label Sensors.

Frequency Recommended: Weekly or when the print quality has degraded.

15.4. Print Test

Print Test can be used to test print density and quality of the label.

When it's in the normal display, press and hold

key few seconds for printing "Chess" format.

16. TECHNICAL DATA

16.1. General Specification

MODEL	IP30
Display	Operator Display: 10.1" TFT LCD Display Customer Display: 7” Colored Display
Display Resolution	10”: 1280*800 px; 7”:800*480;
Max Capacity	6kg/15kg; 15kg/30kg
Min Capacity	40g; 100g
Readability	2g/5g; 5g/10g
Max. Divisions	2x3000e
Weighing Units	kg, g, tj, gj, lb, oz, lz
Pan size	380x272 mm
Accuracy Class	Class III
Housing	ABS Plastic and Stainless Steel pan
Touch Control Mode	Resistance Screen
CPU	A17 Quard Core
OS	LINUX
RAM	2G
Data memory	16G NAND flash
Interface	2*RS232; 1*RJ11; 4*USB2.0; 1*RJ45 ;WIFI
Optional	Receipt bracket
Operation Temperature	-10° C to 40° C
Operation Humidity	<85%
Stabilisation Time	1 Seconds typical
Power	100~240VAC main power cord ; Optional Adapter: Out put :DC 24V/6350mA
ADC	Sigma delta
Internal counts	600,000
ADC update	Max 60 times /second
Load Cell	BX6 C3 (T-Scale) or L6D C3 (Zemic)
Load cell drive voltage	Max 5V/150mA
Net weight	8.5 kg
Gross weight	9.5 kg
Dimension	L:508xW:400xH:589

16.2. Label Printer Specification

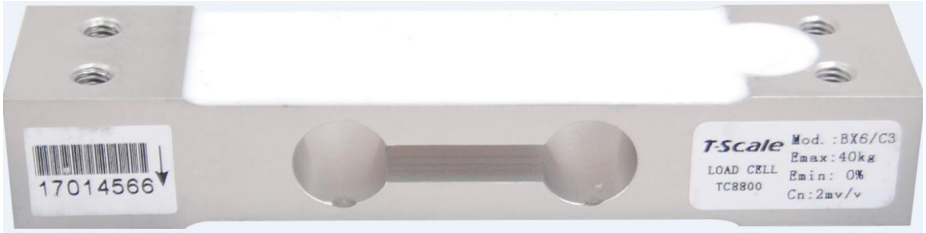
Name	Description
Printer Type	Cassette Type
Printing Method	Direct Thermal
Printing Speed	100mm/s
Label Roll	Max Outer Diameter of Roll: 100mm Inner Diameter of Roll:40mm Max Label Width: 60mm
Label Print Area	54 x 100mm (Max Width x Length)
Resolution	8dots/mm
Printing Type	Graphics, Logo, Large/small lettering, various font types and sizes, EAN barcodes, QR code
Label Base	Weight: 70~85g/m2 Thickness:0.06 to 0.09mm Opacity: Min 85% Gloss: Min 65%
Paper Base	Weight: 67g/m2 Thickness:55 to 65 microns Opacity: Min 43%

16.3. Receipt Printer Specification

Name	Description
Printer Type	Cassette Type
Printing Method	Direct Thermal
Printing Speed	90mm/s
Label Roll	Max Outer Diameter of Roll: 55mm Inner Diameter of Roll:12mm Max Receipt Width: 58mm
Max Print width	48 mm

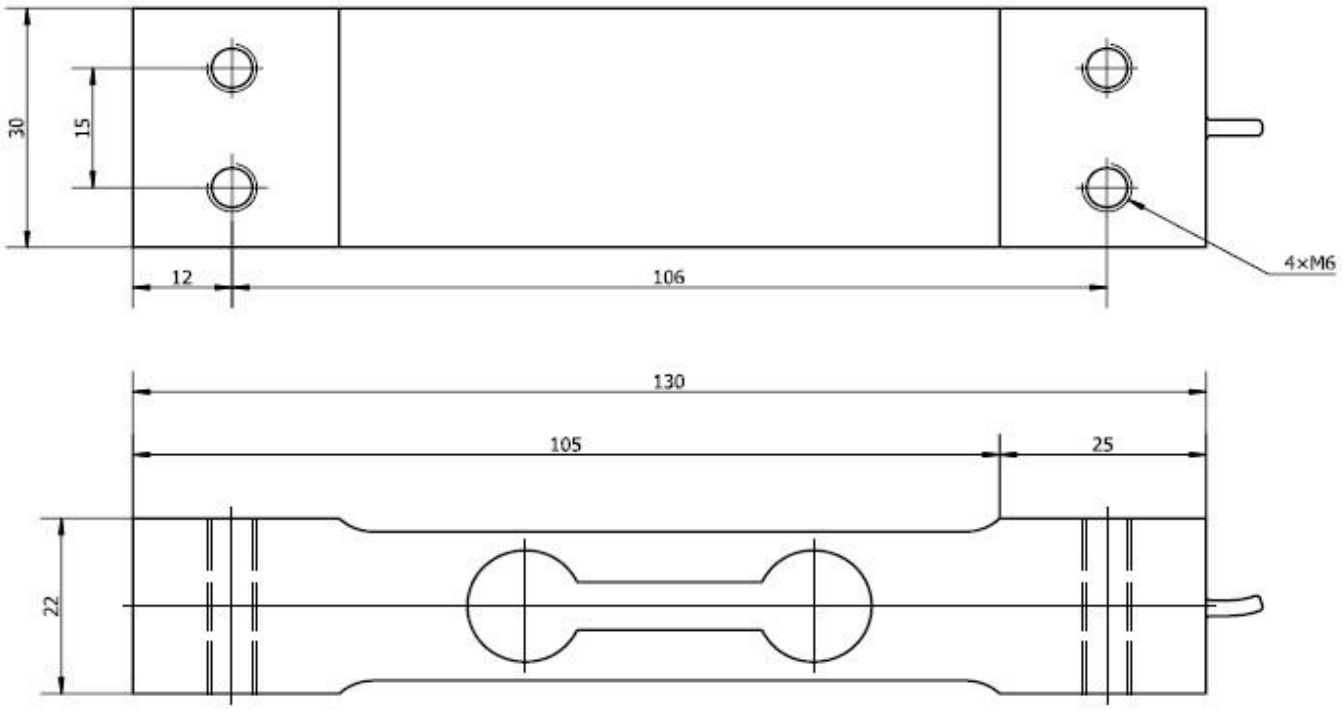
****Specifications are subject to change without notice.*

16.4. Load Cell Specification



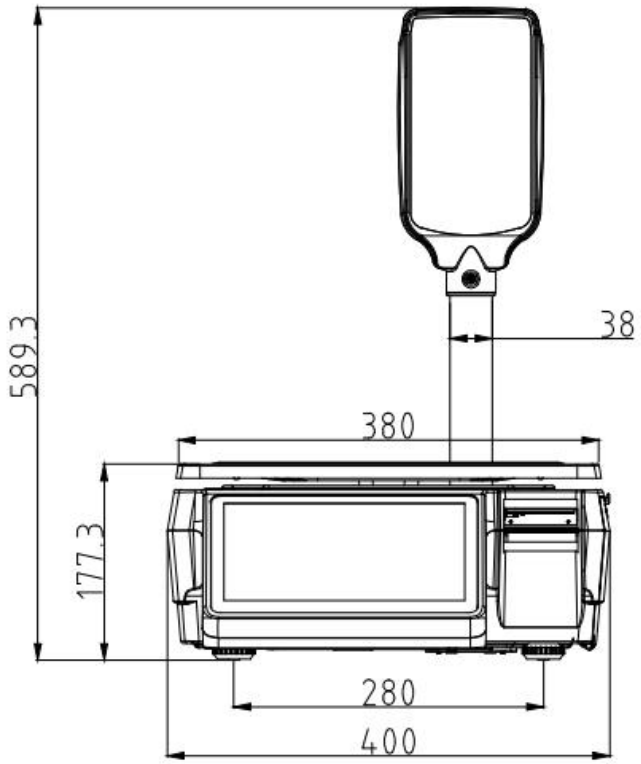
Model name	**BX6**	**L6D**
Standard Capacity	50kg	50kg
OIML accuracy class	C3	C3
Maximum no. of intervals(n)	3000	3000
Vmin	0.008	0.007
Total error	±0.02%	±0.02%
Creep (30minuties)	±0.02%	±0.0167%
Temp. Effect/on ℃ Span	±0.0015%	±0.0175%
Temp. Effect/on ℃ Zero	±0.0022%	±0.020%
Emin	0kg	0kg
Recommended Excitation	10V DC	5~12 V DC
Maximum Excitation	15V AC/DC	18V DC
Output sensitivity	2mV/V ±10%	2mV/V ±10%
Zero Balance	±3% F.S mV/V	±2% F.S mV/V
Compensated Temp Range	-10℃ ~ 40℃	-10℃ ~ 40℃
Operating Temp Range	-10℃ ~ 50℃	-35℃ ~ 70℃
Input Resistance	410±10Ω	409±15Ω
Output Resistance	350±5Ω	350±10Ω
Insulation Resistance (50V)DC	> 2000MΩ	> 5000MΩ
Safe Overload	150%	150%
Ultimate Overload	200%	300%
Materials	Aluminum	Aluminum
Atmosphere Protection	silicon sealing	silicon sealing

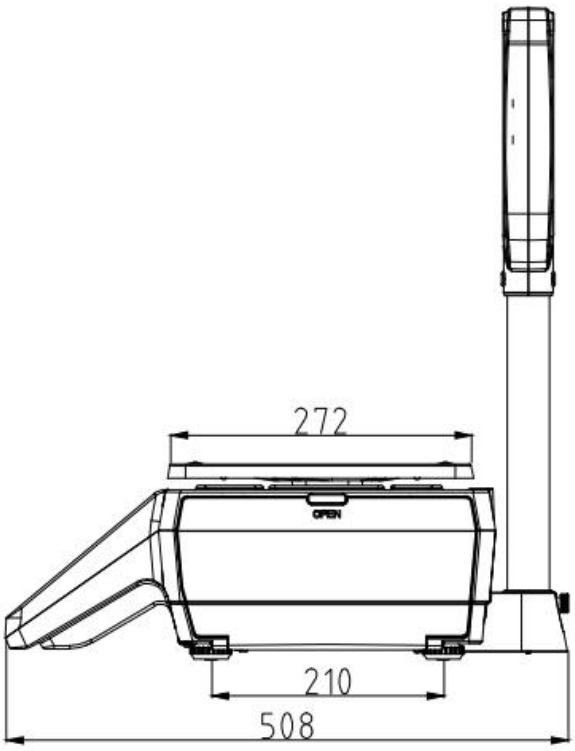
Load Cell Dimension:

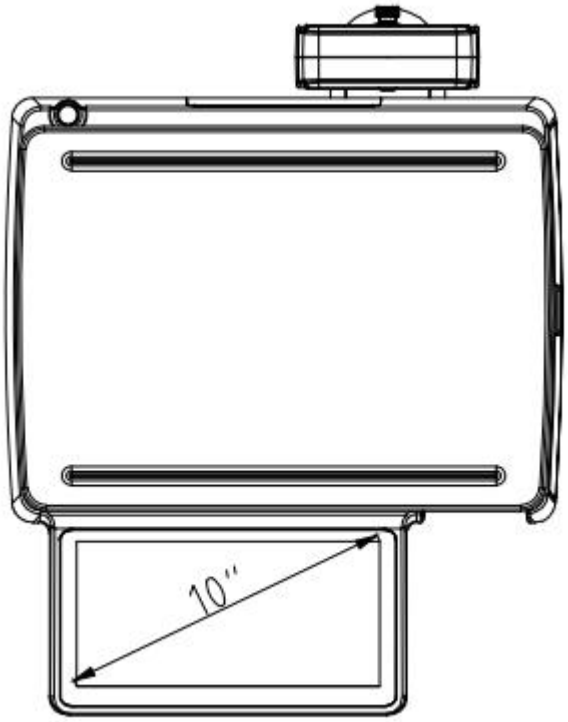


16.5. Overall Dimensions

IP30







T-Scale was founded in Taiwan in 1967 as Taiwan Scale Mfg Co., Ltd. The pioneer of mechanical manufacturer in Taiwan. Today, this privately owned company is recognized worldwide as a leading Electronic Weighing Scale Manufacturer. The core business of TSCALE is the development, manufacture, worldwide sales/marketing and service of electronic weighing instruments.

Our product line includes

- Medical Scale
- Precision Balance
- Price Computing Scale
- Counting Scale
- Weighing Scale
- Weighing Indicator
- Platform Scale
- Floor Scale / Pallet Truck Scale
- Crane Scales
- Accessories
- Software

T-SCALE has its manufacturing base in Kunshan, China. We are ISO 9001 certified company, OEM- ODM partner, products certified by OIML, NTEP & CE.

TScale Electronics Mfg. (Kunshan) Co., Ltd.

99, Jingwei Road, Kunshan, Jiangsu, China

Tel : +86 512 57669080

www.t-scale.com