TS5X TOUCH SCALE

OPERATION MANUAL

ACLAS	**Xiamen Pinnacle Electrical Co., Ltd.**

Add:4F,Guangxia Building, Torch High-Tech Zone, Xiamen, Fujian Province, P.R.China,361006

CE **Declaration of Conformity** III

This declaration of conformity is issued under the sole responsibility of the manufacturer.
NMi certin BV-0122 has carried out the EC surveillance
referred to the Directive 2014/31/EU, Annex Ⅱ Module D.

Name and address of manufacturer or his authorized representative

The non-automatic weighing instrument

Manufacturer:	Xiamen Pinnacle Electrical Co., Ltd.
Type:	TS5X
No of the EC type-approval certificate (where applicable):	T8318

Gravity: Utilized g: 9.7999m/s2

corresponds to the production model described in the EC type-approval certificate and to the requirements of the Directive 2014/31/EU and harmonised standard EN45501:2015 as amended and to the requirements of the following EC directives:

Directive: 2014/30/EU	Directive: 2014/35/EU
Electromagnetic compatibility	Electrical security

Signature: Bob Niu

Xiamen Pinnacle Electrical Co., Ltd. Date：

S/ N：

V1.11

Important Safety Information

- Please read these safety instructions carefully.
- For safety of SD card and USB data, when pulling out SD or USB, please firstly press power button slightly for standby mode and then pull it out.
- Keep this user manual for later reference.
- Before turning on the machine, please make sure that the electric power meets the requirements, (such as the electrical pressure and frequency), and that your electrical outlet is really connected to the ground.
- This product meets the relative requirements of the national standard IEC 60950: 2001 'Safety of information technical equipment'.
- Thunder can hurt this product and even your personal safety, so please pull out the network cable, electrical cable and other conductor connecting external attachment in thunder days.
- The non-experts or non-authorized people please don't open the machine shell.
- Please don't spatter any sundries or liquid into the machine; please don't stuff anything inside this product, otherwise it may cause short circuit and therefore may lead to fire or get an electric shock.
- Please do not plug or unplug with wet hand.
- Make sure the switch is off when plug or unplug the power.
- Incorrectly changing the lithium battery on the main board and the UPS lithium battery in the machine may cause a blast, so please make sure installing and changing the lithium batteries under the instruction of the expert service personnel.
- Please be sure not to change the battery with a wrong type one, otherwise there is danger of explosion.
- Be sure to deal with used battery with the way of dealing with waste battery.
- Please charge the lithium battery about every three Months, in case it would discharge over time and lead to useless.
- Please lay this product packed in the 10-40℃ environment for at least 2 hours before turning on if it was stored in less than 10℃ temperature environment during the transportation, so as to avoid the damage on the product due to a big change of environmental temperature.
- For PLUGGABLE EQUIPMENT, the socket-outlet shall be installed near the equipment and shall be easily accessible.
- Please don't throw anything on this product or hit against it.
- Please do not disconnect the line cord while its working, if not the product would be broken.

- Please be sure use our line cord only.
- If there is abnormal noisy, burnt smell or smoke given out from the product, please cut off the power and disconnect the plug immediately. And contact the service center. Or there is danger of electric shock or fire.
- Please do not allow children to climb up on the product, in case the product drops and hurt them.
- Please do not disconnect any parts or lines except USB equipment while using.
- Switch off the product if you will not use it in a long time.

Maintenance of the External Surface and Screen

Clean the machine in shutdown mode.

- Clean the product with fine cloth or tissue dipped in little clean water.
- Please do not clean the machine with fabrics, so as not to scratch the surface screen and metal logo affixed on the product.
- Please do not clean the product with flammable materials like benzene and thinner.
- Please do not scratch the screen with fingernails and sharp objects.
- Please do not spray water directly on the screen while cleaning, if it happens it may cause electric shock or product breakdown.
- Please clean the angles with soft hairbrush.

Note: In order to make sure the normal use of the product, please clean the screen carefully every day. Make sure the screen is clean without ash, water, or oil on the screen.
Please read this precaution before installing, operating and checking the product.

WARNING

This is a Class A product. In a domestic environment this product may cause radio interference, in which case the user may be required to take adequate measure.

STATEMENT

More information about software, driver, etc. please download from
http://download.aclas.com/en/index1.html

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1. General Description

1.1. Unique Functions

※ ARM power economical design which only needs 1/20 power consumption of PC saves nearly a thousand RMB per year.
※ Bar code scale, which firstly adopts capacitive touch screen style in whole world, prolongs life span for less scratching and fraying.
※ Embedded time-expanding UPS allows further 4 hours continuous scale working (30 pieces of bills per hour) or 300 bills constant printing when scale is out of supply.
※ Patent insect –proof design prevents the defect caused by bugs entering into the machine.
※ DLL and web service port: the newly designed web service port provides the third software company with an effective and handy connection way.

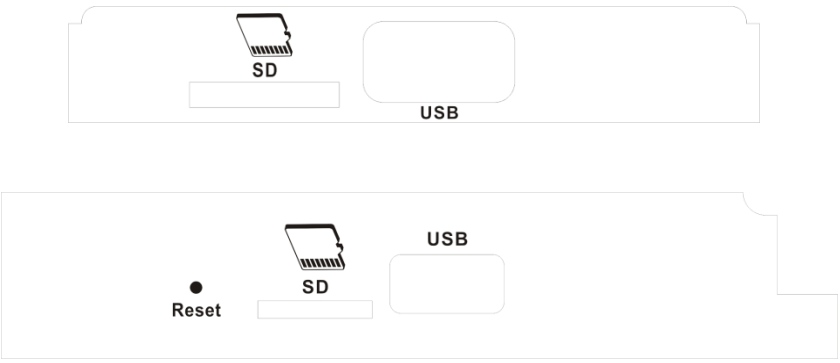
1.2. Excellent Functions

※ Operating system: WINDOWS CE, LINUX, ANDROID system operating system: Web service Johnson information exchanging protocol of proscenium CE software is free from PC which directly connects itself with data base before.
※ Floating vendor function, which supports Floating vendor operation on different scales of a network, can print out overall bar codes label attached to external bags when checking. And it will print out overall bar codes when internet connected, otherwise only one bar code.
※ Drawer style paper input module design: Drawer style paper input box enhances work efficiency and shorts customers' check-waiting time for functions of paper automatic alternating, intelligent labels and bills recognition.
※ Maintained easily: it is very easy to be maintained for separated design of printing head and paper input module allowing free dismantling.
※ 10.1' color customer screen provides animations and AD videos releasing so as to enhance image of enterprise and stimulate customer purchasing need.
※ Adjusted point of view of store display screen can be used both on high cabinet and plain desk.
※ Software: humanistic interface, easy to operate and can define size of shortcut key and insert illustrations.
※ Display screen: 10.1' infrared touch screen, selectable dot matrix with back light or 10.1' color customer screen look exquisite and beautiful .and are easy to clean.
※ Nutrition information available function can print out nutrition ingredient on label for customers.
※ With the function of printing all goods information on a label for paper saving.
※ Barcode traceable function can locate the source of food rapidly for food security.
※ Two-dimensional code available.
※ Video supervision function supports omnibearing supervision of proscenium.
※ Online sale function ensures the newest PLU information updating.
※ The second label printing function can print nutrition and other information on second label.
※ Optional models: optional single label printer, double printer with POS function can print labels and different POS receipts
※ Wide-ranged network function can make connection with backstage at any time and make control of PLU information to achieve chained stores controlling only one main host machine.
※ Support connecting scanner, POS, printer and other external device: scanning selling can be achieved.
※ SQL data port provides with fast POS machine connection and information exchanging.

1.3. Connector Panels

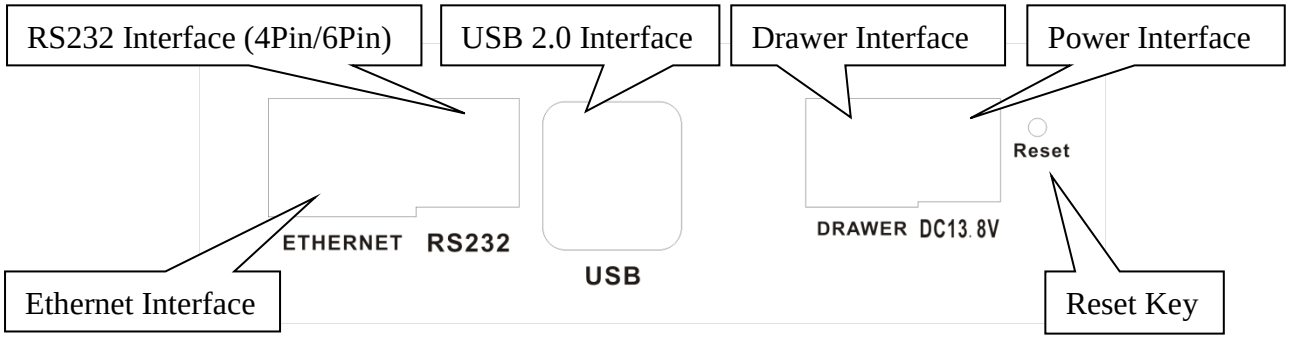
Connector Panel 1 (front):

The connector panel 1 is located in the right side of the operator screen, inside a plastic cover.

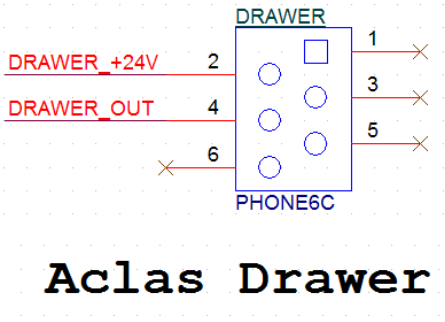


Connector Panel 2 (below):

The connector panel 2 is located at the bottom of the scale. Please overturn the scale, and then the connectors can be seen clearly.



1.4. Drawer Port Definition



Pin No.	Signal name	Direction
1	NC	-
2	+24v	-
3	NC	
4	Drawer kick-out driver signal 1	Output
5	NC	-
6	NC	-

1.5. Specification

Optional Type		TS5PX-A	TS5NX-A	TS5EX-A	TS5GX
Operator Display		10.1’ Capacity Touch Screen Resolution: 1280*800			15’ Capacity Touch Screen Resolution: 1024*768
Touch Screen Type		Capacity Touch Screen			
Customer Display		10.1’ Color Screen			10.1’ Color Screen /Without
Range		6kg/15kg; 15kg/30kg			
Division Value		2g/5g; 5g/10g			
OS		Window 10, Linux, Android System			
CPU		Intel Z3735, Quad-Core, up to 1.83GHz			
RAM		2GB RAM			
Memory		32 GB EMMC			
PLU Type		Hotkey number, LF code, PLU name, article number, unit price, pricing unit, first label, second label, tare, barcode, department, package date, package time, preservation date, weight, package type (normal, fixed weight, fixed price, both fixed weight and price), nutrition message, traceability code, additional information 1, additional information 2, discount			
Optional Function		WIFI, Linerless Paper Model Clip, Optional 12V 4.5Ah			
Printer	Label printer’s Paper	Label paper/Linerless label/Receipt paper: 57 mm Φ105 mm/62 mm			
	Receipt printer’s Paper	57 mm/Φ50 mm			
	Printer Type	Clip type label printer, fast-switching between label and receipt printing			
	Print Speed	120 mm/s			
Barcode Type		EAN 8, EAN 13, EAN 128, 2/5 Interleaved, GS1, QR code, etc.			
Communication		1*Ethernet, 1*RS232, 2*USB, 1*Drawer			
Power Supply		AC 100-240V 50—60Hz; DC 13.8V 3.2A			
Working Temperature		0℃-40℃			

2. Installation

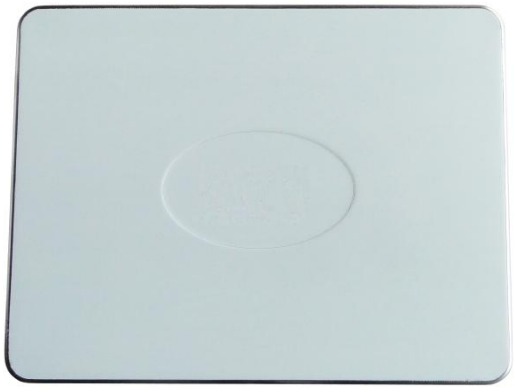
2.1. Machine Installation

1 Please check carefully when opening the machine box

1) Display

2) Screws

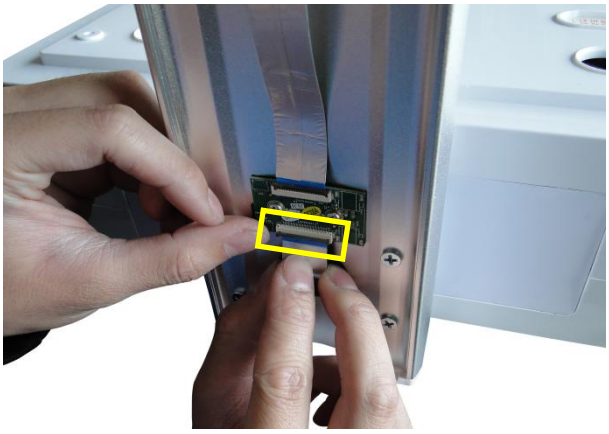
3) Scale platter module



4) Scale platter

2 Take off the cover as the picture circled.

3 Screw the screws as circled in the picture and wind the line of the machine to front through display pole rod.



4 Connect the line

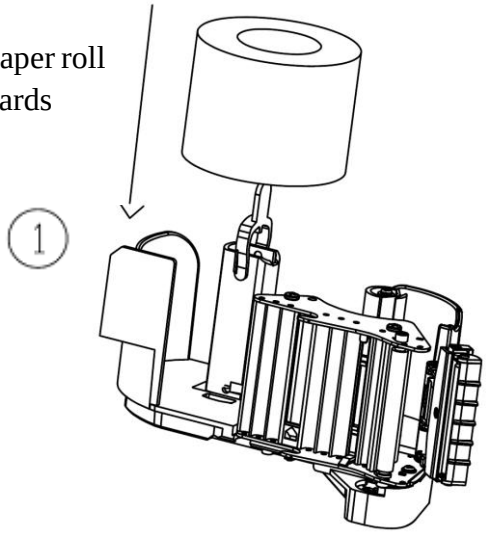
5 Fix the machine and display pole

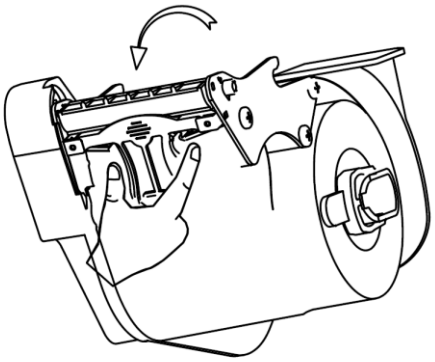
6 Installations finished.

2.2. Paper Installation

2.2.1. Label Paper Installation

Insert paper roll downwards



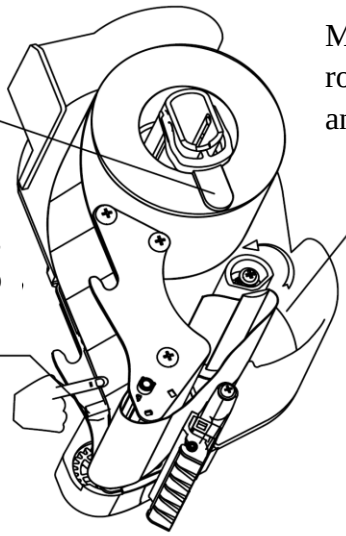


2 Use fingers to press inward the plastic switch slightly to open the platen module

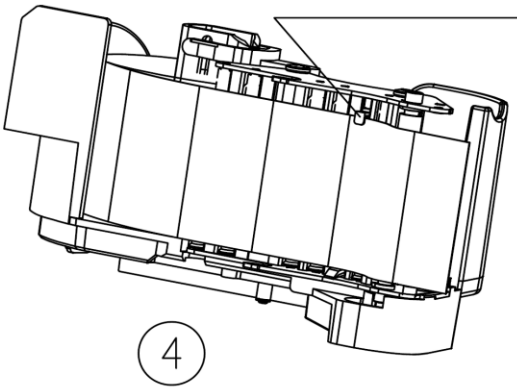
Push the handle and fix the paper roll

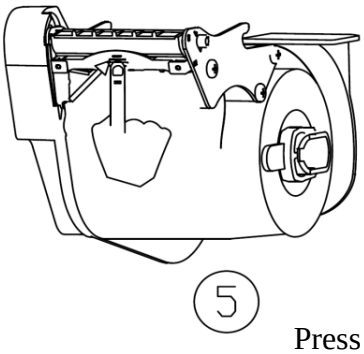
Make the body paper round the delivery axle and wind 2 circles

Keep this slider aside, and insert the paper to the slider



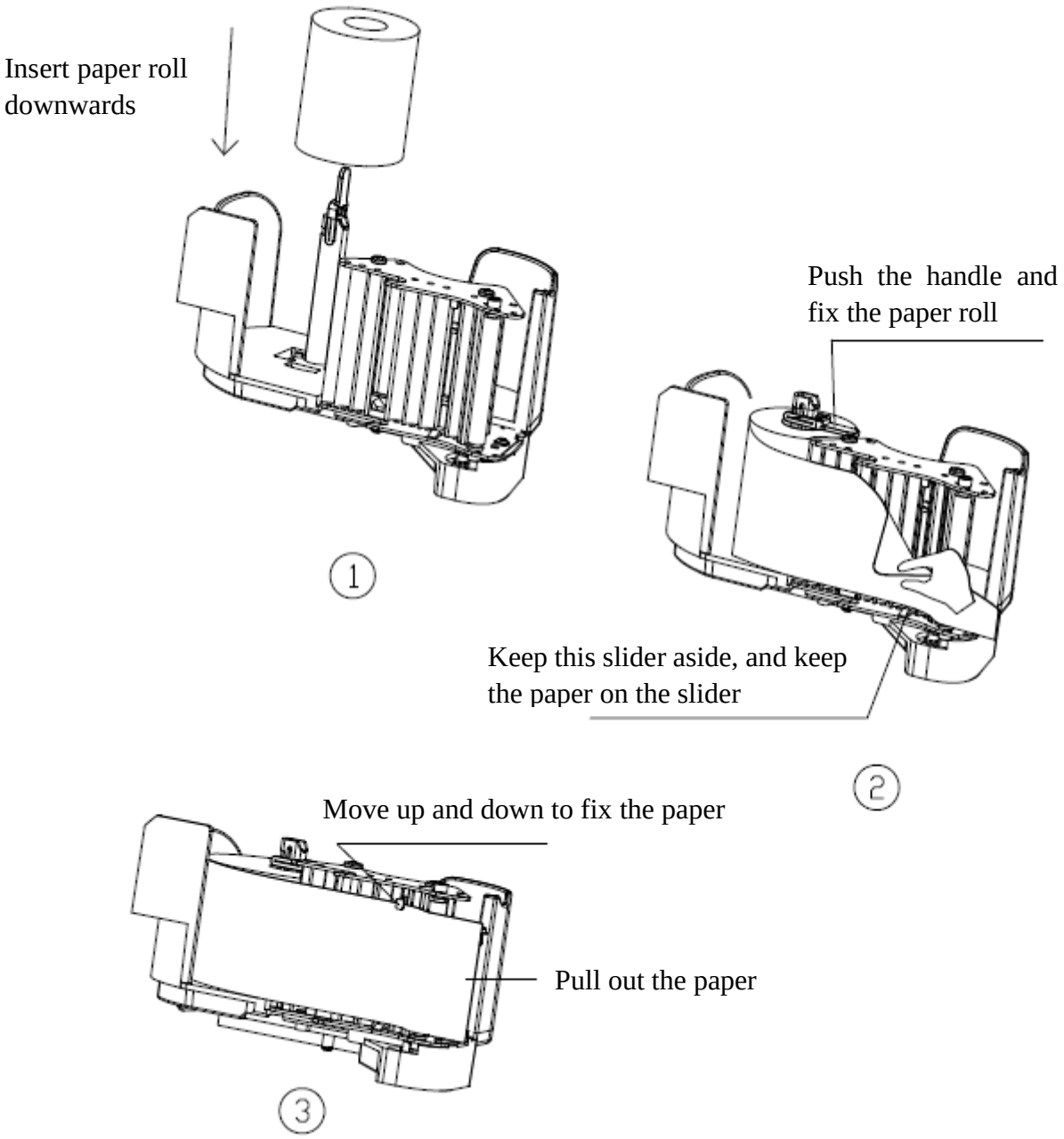
Move this slider up and down to fix the paper



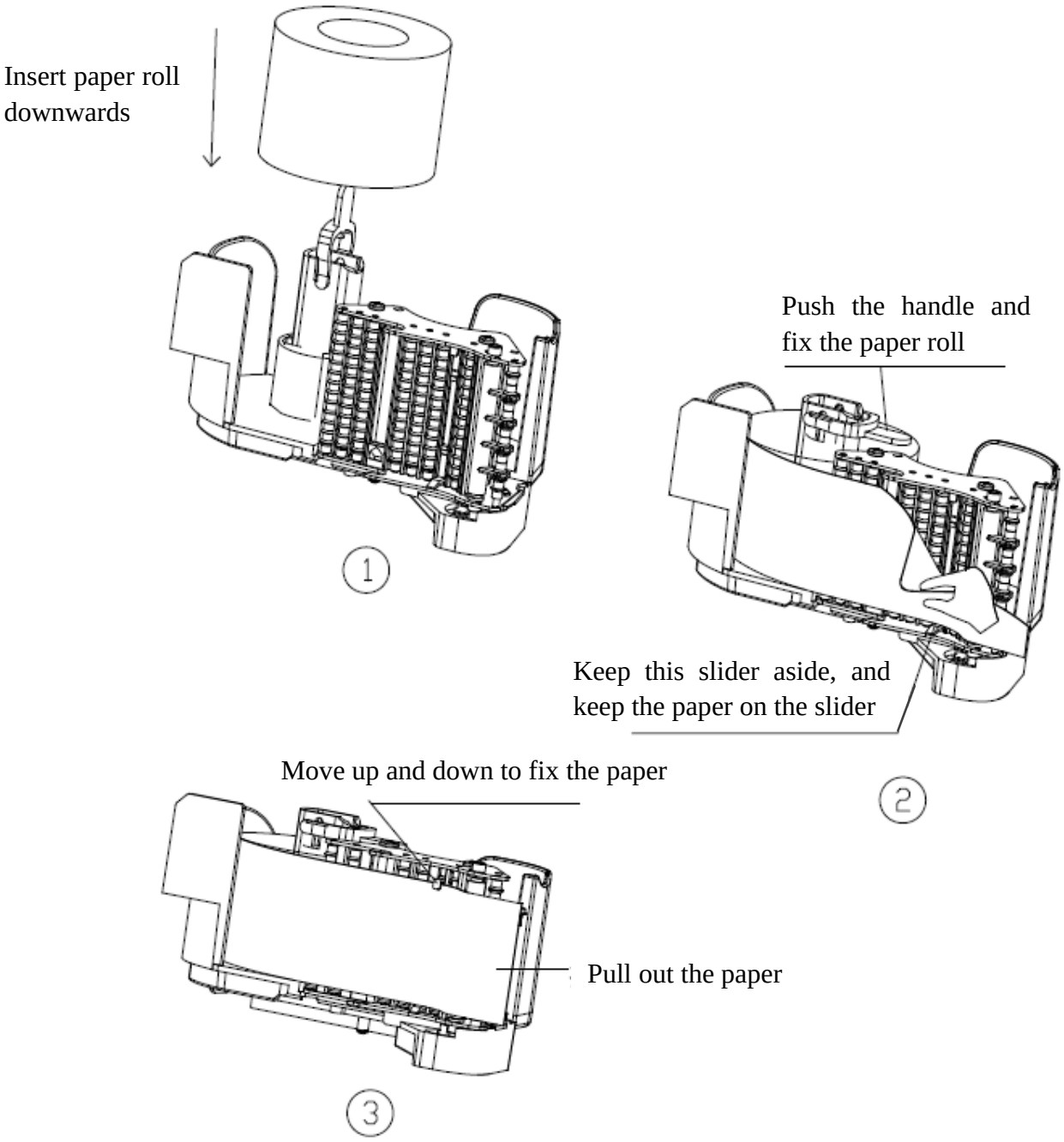


Press the plastic switch to close the platen module.

2.2.2. Receipt Paper Installation



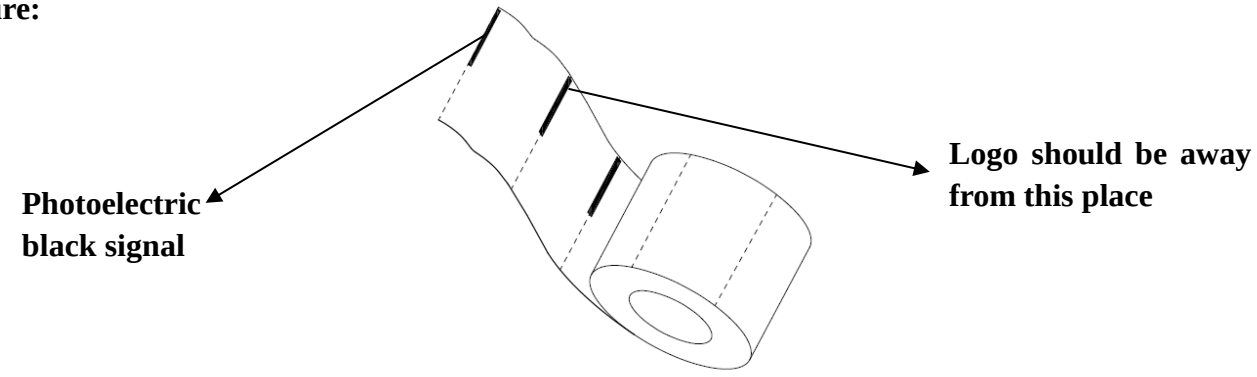
2.2.3. Linerless Paper Installation



Note:

For avoiding printing deviation caused by photoelectric detection mistake please avoid photoelectric black mark on linerless paper (picture below) when customize your linerless paper with logo.

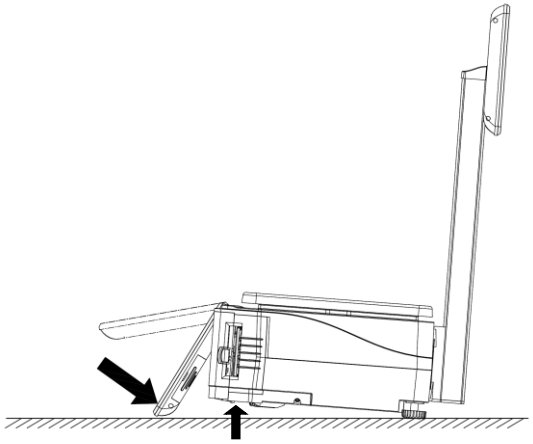
Picture:



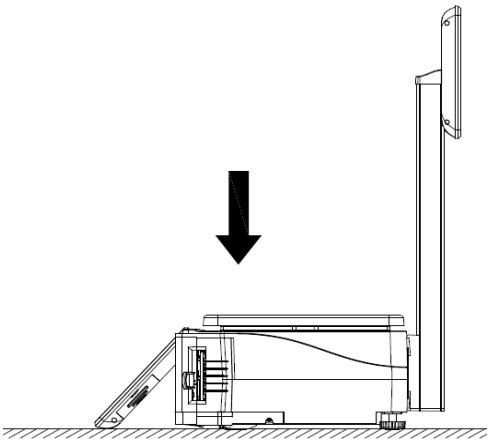
3. **Scale Placement**

In order to avoid instability of keyboard when operate on it, please choose the proper method to place according to the following cases:

1) When scale is placed on normal desk, please make sure that the bottom of keyboard and scale is in a horizontal line to avoid instability of keyboard when operate on it.

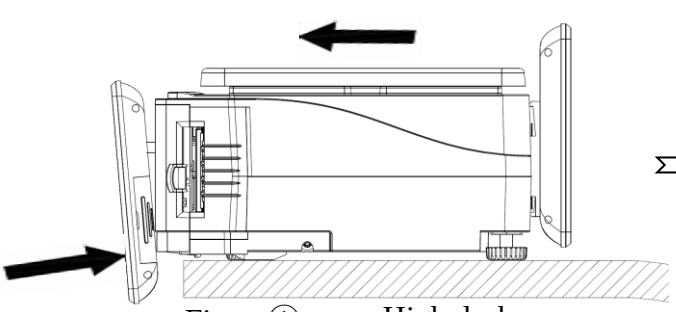


(1) Please raise up the front stands for about 3~5cm, and press the keyboard down follow the upwards arrow direction until touch the desk.

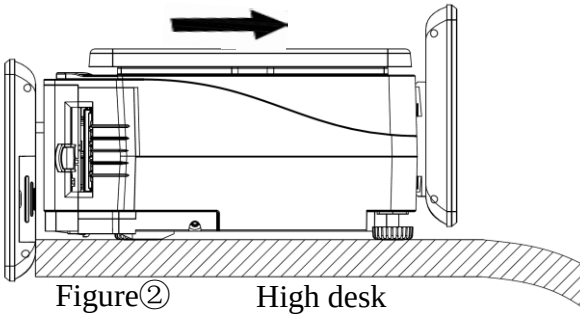


(2) Please lay the front stands down gently on the desk, so the keyboard bottom clings to the desk stably. So you can operate on the keyboard stably.

2) When scale is placed on high desk, please make sure the keyboard leans against the edge of desk. Push the scale ahead and press the keyboard back refer to the direction of figure①; then push the scale back to make sure the keyboard leans against the edge of desk like below figure②:



Figure① High desk



Figure② High desk

3) When the desk is too small to make sure the bottom of the keyboard touch the desk firmly, the keyboard will not be stable when operate (Like Figure 1). For stable, please purchase a studdle from Aclas After-sales or purchase a stainless gavelock which has a diameter of 3mm and bend it according to the following Step 1, and install the studdle on the scale refer to the following Step 2, 3 and 4:

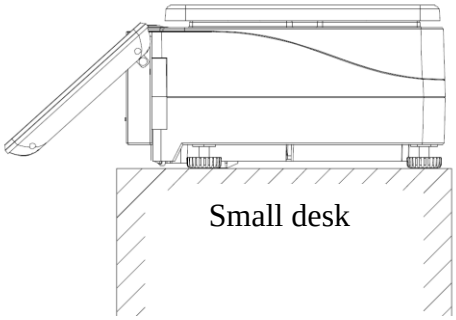
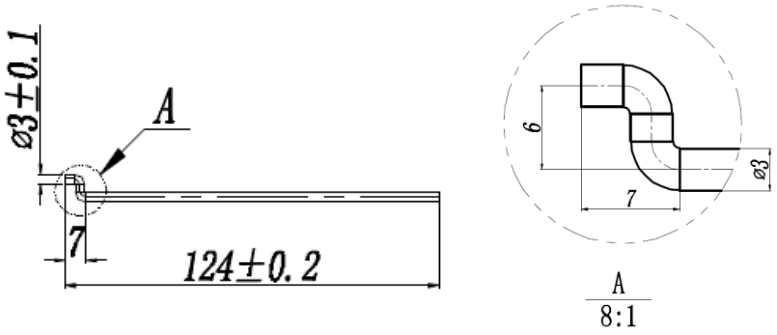


Figure 1

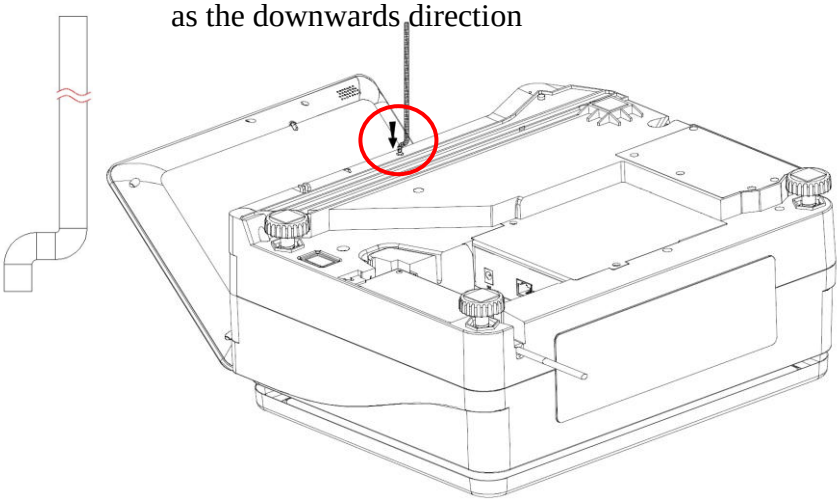
Step 1: Take a stainless gavelock of 3.0mm diameter, and bend it according to the figures on the right;

Note: you can purchase the studdle from Aclas After-sales directly,
P/N: MTS5M16SSZHCHGV00N



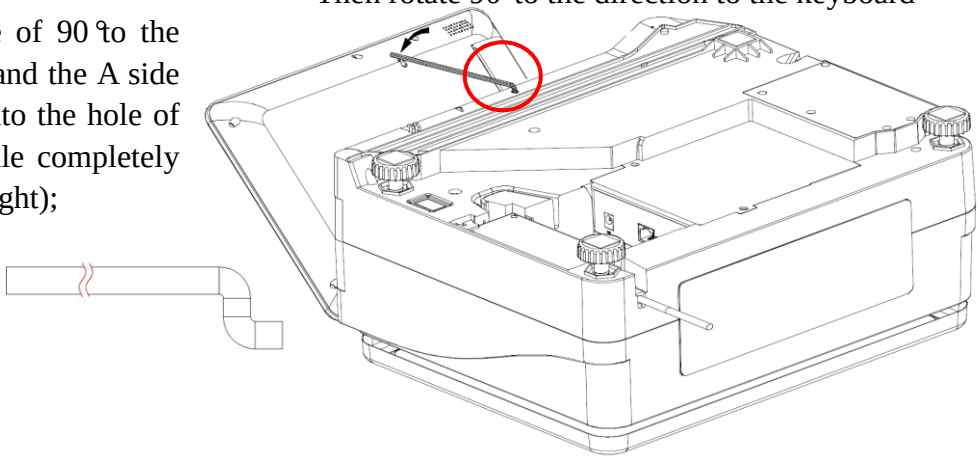
Step 2: Insert the A side of studdle vertically into the hole of the lower cover of the scale (refer to the figure on the right);

Insert the A side of studdle vertically as the downwards direction



Step 3: Rotate the studdle of 90 ℃ to the direction to the keyboard, and the A side of the studdle can insert into the hole of the lower cover of the scale completely (refer to the figure on the right);

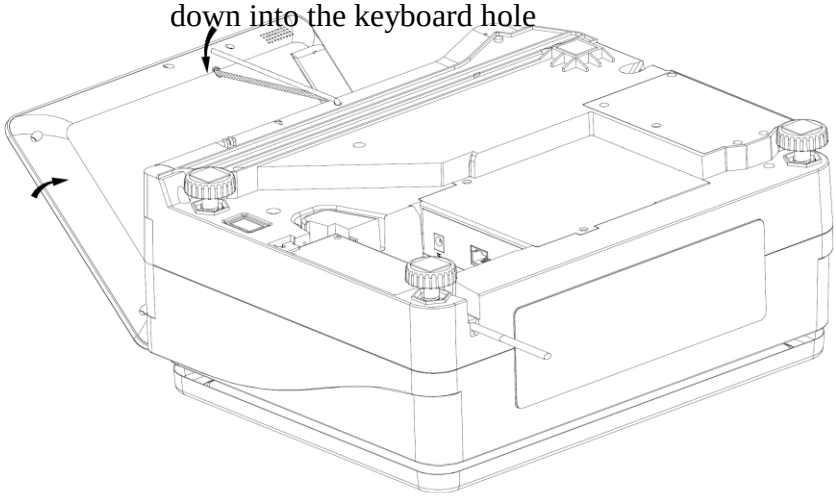
Then rotate 90 ℃ to the direction to the keyboard



Step 4: Press the keyboard up to be higher than the bottom of the scale, and insert the other side of the studdle from up to down into the keyboard module hole (refer to the figure on the right).

Note: you can rotate the straight side of studdle to lock it of the bottom of the lower cover.

Insert the other side of studdle from up to down into the keyboard hole



4. Basic Operation

4.1. Power On and Power Off

Power On:

Press and hold the power button for 3 seconds to power on the machine.

Power Off:

Note: In order to prolong the lifetime of the machine, use the *Soft-Off* method to shut down the machine is recommended.

Soft-Off:

Click the number under 'Weight', 'Price' and 'Total' successively to enter into the setting interface, and then click 'Power Off' to shut down.

Power off:

When the TCR software reports error and doesn't run, press and hold the power button for 3 seconds to power off the machine.

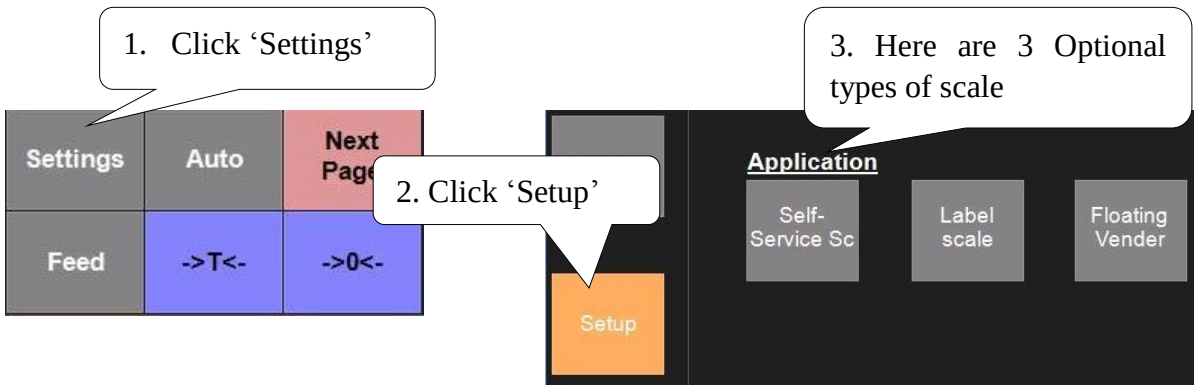
4.2. Scale Mode Switch

TS5X touch scale integrates with label scale, cash register scale and self-service mode operation, customer can switch mode freely and the mode switch can be reached either by software setting or hardware setting.

Changing cartridge holder can switch corresponding scale mode as well. E.g.: if the scale paper is replaced for label paper, scale mode defaults label scale operation.

Software switch:

Click 'Settings'----'Setup' ----'Application'. There are such scale types as 'Self-Service Scale' and 'Label scale'.



4.3. Tare Operation

It is only applicable to the commodity packed in package or container such as eggs, beans or fruit, etc.
Sales example: One carton of apples is sold. Assume the weight of carton is 1.000kg. The net weight of apple is 2.000kg and unit price is 6.00$/kg.

1. Put on the carton, and then press '->T<-' key

OPERATION	KEY	DISPLAY			
		Tare (kg)	Weight(kg)	Unit price($/kg)	Total($)
1. Put carton weighing 1.000 kg on the scale.		0.000	1.000	0.00	0.00
2. Press '->T<-' key.	->T<-	1.000	0.000	0.00	0.00
3. Put apples weighting 2.000kg on the scale.		1.000	2.000	0.00	0.00
4. Press the picture of apple.	Apple	1.000	2.000	6.00	12.00
5. After taking away this carton of apples, press '->T<-' key to cancel tare.	->T<-	0.000	0.000	0.00	0.00

2. Input the tare value, and then press '->T<-' key

OPERATION	KEY	DISPLAY			
		Tare (kg)	Weight(kg)	Unit price($/kg)	Total($)
1. Input the tare value.	1000	0.000	0.000	0.00	0.00
2. Press '->T<-' key.	->T<-	1.000	0.000	0.00	0.00
3. Put apples weighting 2.000kg on the scale.		1.000	2.000	0.00	0.00
4. Press the picture of apple.	Apple	1.000	2.000	6.00	12.00
5. After taking away this carton of apples, press '->T<-' key to cancel tare.	->T<-	0.000	0.000	0.00	0.00

Note: When inputting tare value, the unit is 'g', and the minimum tare value is 0.002kg and display with the times of 0.002g.

3. Presetting tare value

This operation is to preset the tare value of one commodity. The operation step is: click 'Settings' on the function screen — 'Program' — 'Plu'— choose the PLU that is to preset tare value — click 'Edit'—'Common'—'Tare'—'Mode', then choose 'Ignore Tare, Weight or Tare Table'.
Note: Steps can be seen in the chapter 5.2.1.1. PLU Setting.

4.4. ‘->0<-’ Operation

Sometimes the display will not show ‘0’ when there is nothing on the scale. Maybe the reason is that the scale loses balance. Besides, for adjusting scale’s balance, please press [->0<-] during selling to return to zero level of weight, which saves time and avoid weight mistakes.

Operating as below: Press the key [->0<-], then the LCD display will show 0.000.

4.5. Auto Print and Manual Print

There are two kinds of printing mode: click ‘Manual (or Auto)’ on the screen, and then can choose Auto or Manual Print.

Auto print: PLU label will be print out automatically when selling.
Manual print: PLU label will be printed out finally by pressing **‘PRINT’** key on key board manually.

4.6. Operation of Label Scale

4.6.1. PLU Sales operation

Sales example: Some onions weighing 2.000kg are sold, and price is 0.50$/kg.
When the scale is in Auto print mode, the operation steps are as following:

OPERATION	KEY	DISPLAY		
		Weight(kg)	Unit price($/kg)	Total($)
1. Press '->0<-' if the weight is not zero	->0<-	0.000	0.00	0.00
2. Put onion on the tray		2.000	0.00	0.00
3. Click the picture of onion on the screen	Onion	2.000	0.50	1.00
4. The label is printed automatically				

When the scale is in manual print, the operation steps are as following:

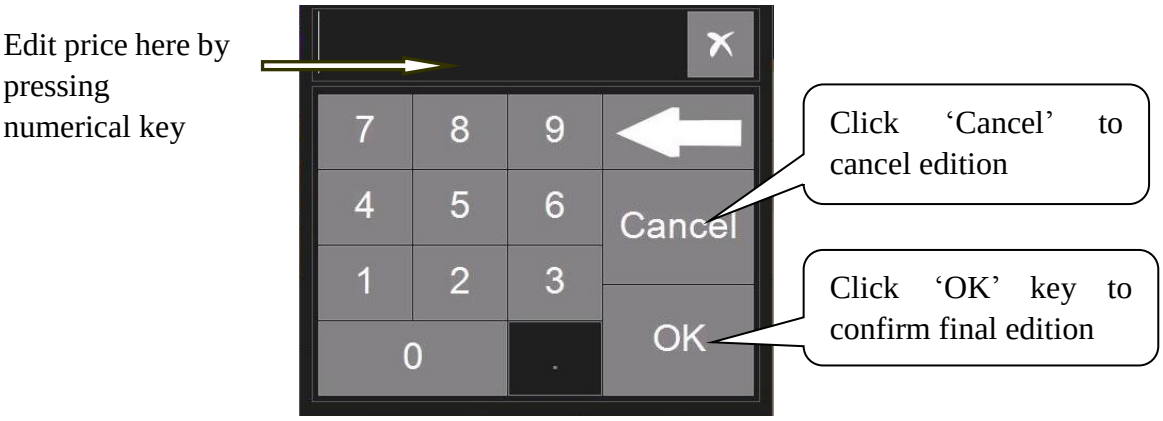
OPERATION	KEY	DISPLAY		
		Weight(kg)	Unit price($/kg)	Total($)
1. Press '->0<-' if the weight is not zero	->0<-	0.000	0.00	0.00
2. Put onion on the tray		2.000	0.00	0.00
3. Click the picture of onion on the screen	Onion	2.000	0.50	1.00
4. Click 'Print', and the label is printed	Print	2.000	0.50	1.00

Note: If the label is need to be reprinted, please click 'Reprint' key on the functional keyboard screen.

4.6.2. Changing Price

Note: Before operation, please change the print mode as '**manual print**'. And this function is for changing price temporally.
Sale example: Assume that 2kg green onion is sold, and the unit price is 0.50$/kg.

OPERATION	KEY	DISPLAY		
		Weight(kg)	Unit price($/kg)	Total($)
1.Press '->0<-' if the weight is not zero	->0<-	0.000	0.00	0.00
2.Put onion on the tray		2.000	0.00	0.00
3.Click the picture of onion on the screen	Onion	2.000	0.50	1.00
4.Click 'Price' on the screen to change price	Price	2.000	0.50	1.00
5.Click 'Print' to print label after changing price	Print			



4.6.3. Item Discount (%) and Item Discount ($)

Item discount (%):

Note: Before operation, please change the print mode as ‘**manual print**’. And this function is for changing price temporally.

Sales example: Assume that 2kg green onion is sold, and the unit price is 0.50$/kg.

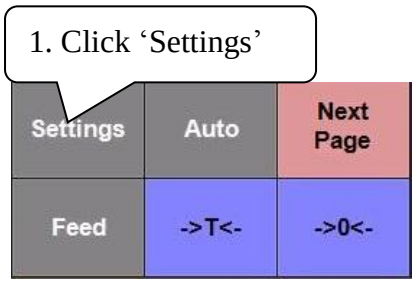
DISPLAY	KEY	DISPLAY		
		Weight(kg)	Unit price($/kg)	Total($)
1.Press ‘->0<-’ if the weight is not zero	->0<-	0.000	0.00	0.00
2.Put onion on the tray		2.00	0.00	0.00
3.Click the picture of onion on the screen	Onion	2.000	0.50	1.00
4.Click ‘Item discount%’ on the functional screen	Item discount%	2.000	0.50	1.00
5.Input discount percentage like below picture				
6.Click ‘Print’ to print label after changing price	Print			

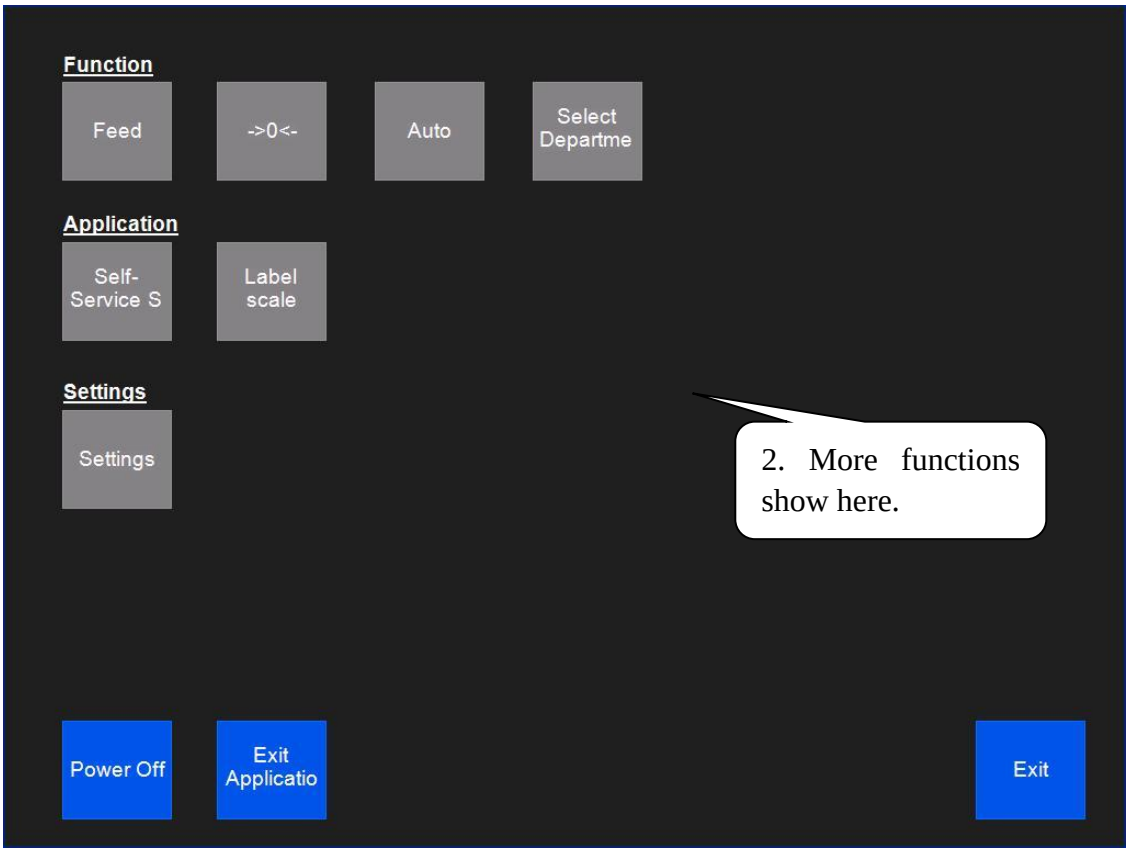
Item discount ($):

OPERATION	KEY	DISPLAY		
		Weight(kg)	Unit price($/kg)	Total($)
1.Press ‘->0<-’ if the weight is not zero	->0<-	0.000	0.00	0.00
2.Put onion on the tray		2.000	0.00	0.00
3.Click the picture of onion on the screen	Onion	2.000	0.50	1.00
4.Click ‘Item discount$’ on the functional screen	Item discount$	2.000	0.50	1.00
5.Input discount$ like below picture				
6.Click ‘Print’ to print label after changing price	Print			

4.6.4. Other Functions

In the mainboard interface, there are other functions, such as Settings, Feed, Auto, ->T<-, ->0<-, Long click to choose tare, 1/2, Target key, Data Change, PLU, Product Search, Plu Fix, Print, etc.

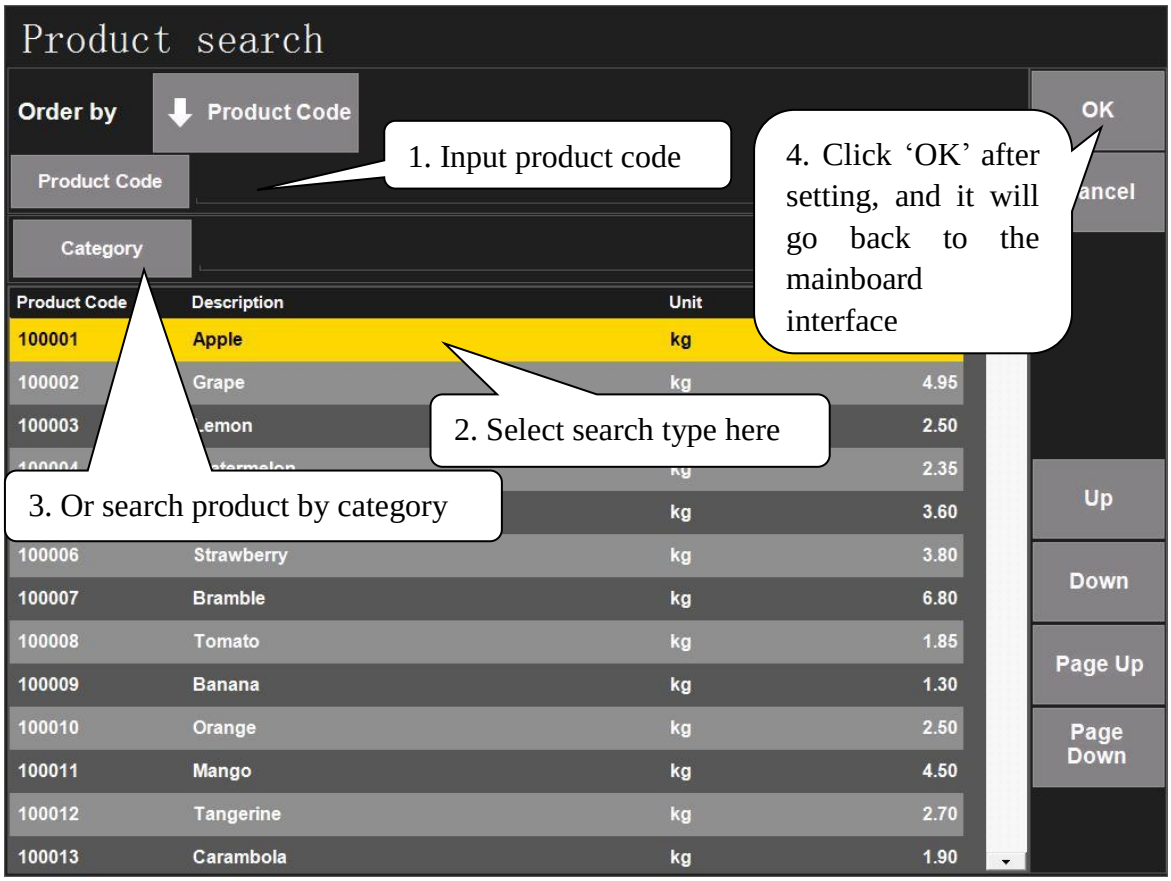




4.6.5. Product Search

This function is for searching product when it is hard to find the PLU in the mainboard interface. Operation steps are as following:

Click ‘Product Search’ to search product by Product code, barcode or category. Select one product and click ‘Stock’ in the right corner to search product stock.



4.6.6. 1/2 Price

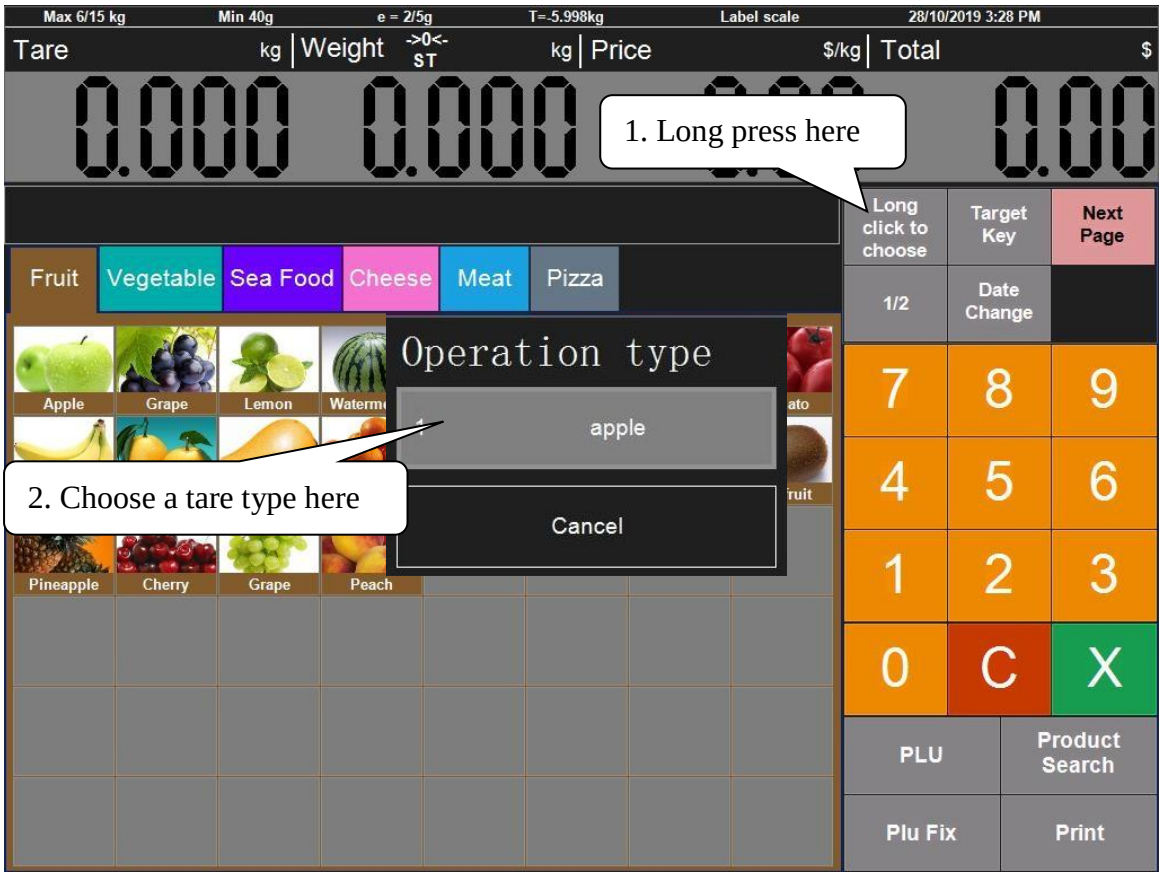
This function is for changing the price as 1/2$ of the original price.

Sales example: Assume to sell 2kg watermelon, and the unit price is 1$/kg. Steps are as following:

OPERATION	KEY	DISPLAY		
		Weight(kg)	Unit price($/kg)	Total($)
1.Press ‘->0<-’ if the weight is not zero	->0<-	0.000	0.00	0.00
2.Put watermelon on the tray		2.000	0.00	0.00
3.Click the picture of watermelon on the screen	Watermelon	2.000	1.00	2.00
4.Click ‘1/2’	1/2	2.000	0.50	1.00
5.Click ‘Print’ to print label after changing price	Print	2.000	0.50	1.00

4.6.7. Long Click to Choose Tare

This function is for choosing conveniently a tare type of the product that is on the tray for selling. Operation steps are as following:

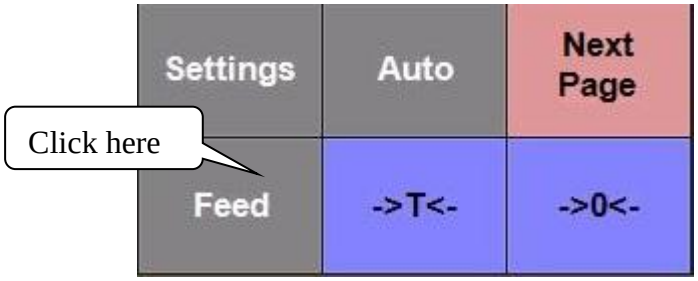


Note:

Before this operation, please preset the tare table, operation steps can see the chapter Tare Edition.

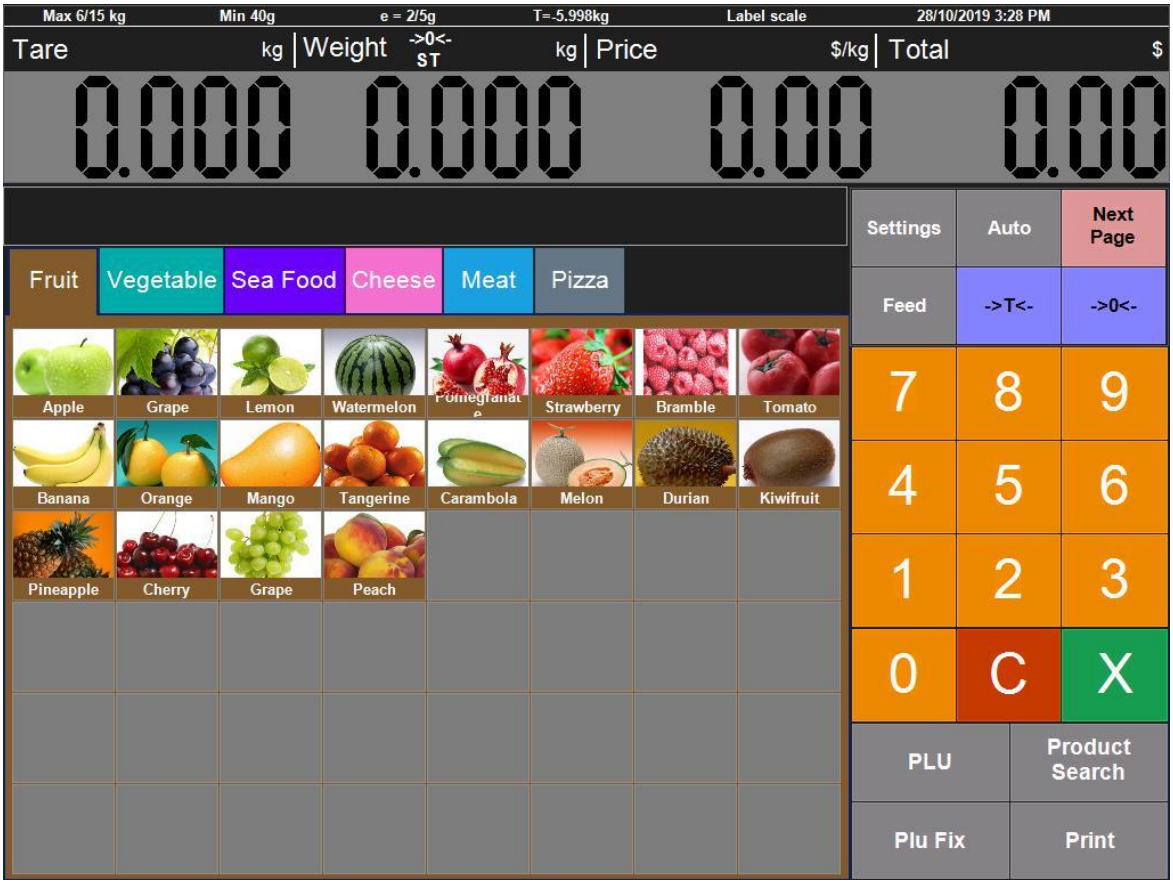
4.6.8. Feed

This function is for adjusting the paper when it feeds abnormally or ectopically. Click ‘Feed’, and the paper will be adjusted.



4.7. Operation of Floating Vender Mode

Switch the scale mode to Floating Vender Mode according to section 4.2 Scale Mode Switch, and then enter into Floating Vender Mode sale interface. The following picture is the mainboard interface of the Floating Vender Mode:



On the mainboard interface of the floating vender mode, the operation of Auto Feed, ->T<-, ->0<-, Item Discount % and Item Discount $, Product Search and Screen Capture (see this function after clicking 'Next Page') is the same as the operation label scale.

4.7.1. Sales Operation

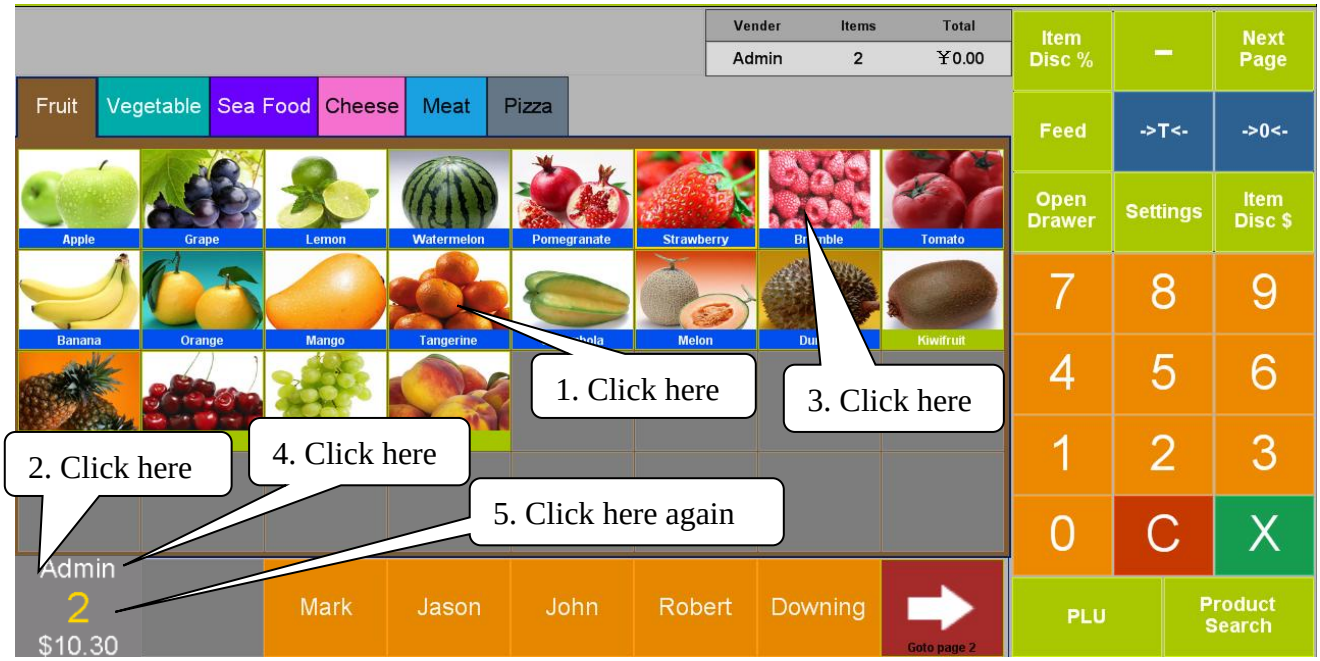
Sales example: Some tangerine weighing 0.998kg and strawberry weighting 2.002kg are sold, and the unit price of tangerine is 2.7 $/kg , and the unit price of strawberry is 3.8 $/kg. And the vender is Admin. Sales operation steps are as followings:

4.7.2. Calculate by weight

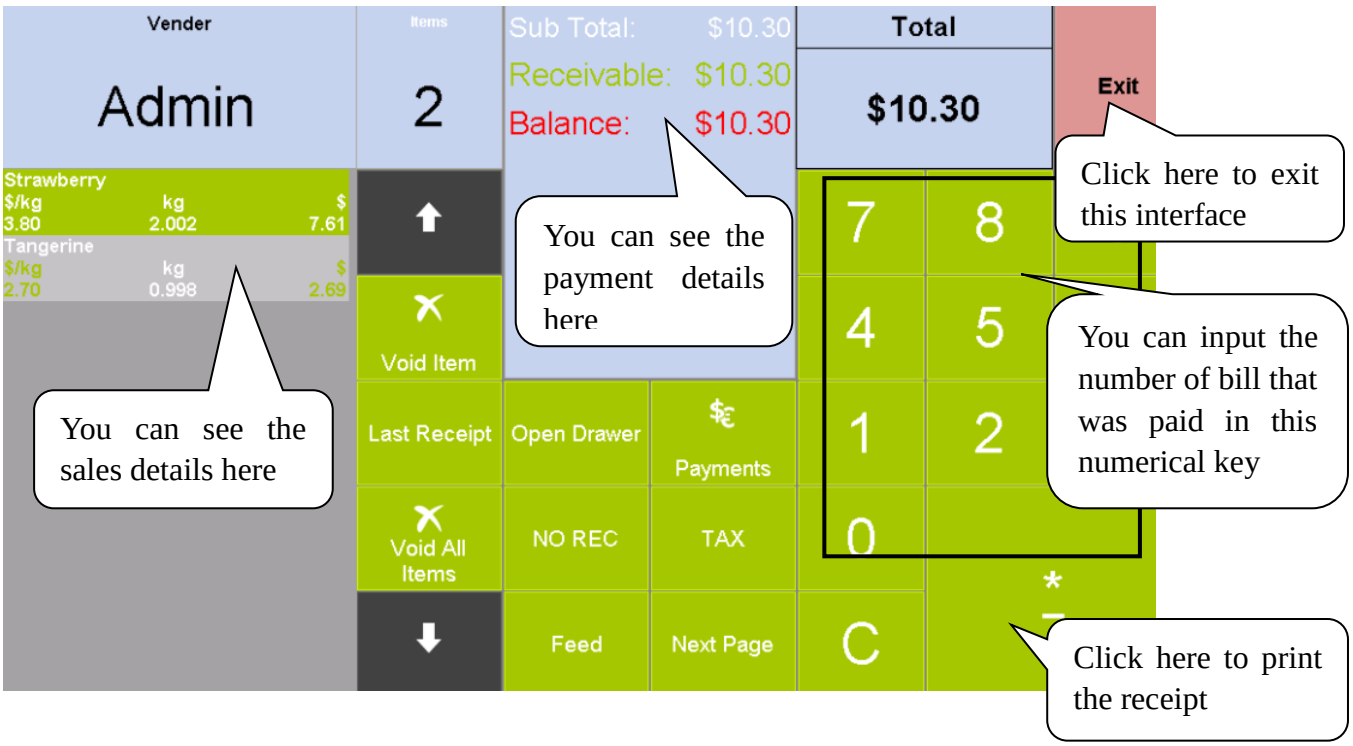
Hot Key Operation:

OPERATION	KEY	DISPLAY		
		Weight(kg)	Unit price($/kg)	Total($)
1.Press '->0<-' if the weight is not zero	->0<-	0.000	0.00	0.00
2.Put Tangerine on the tray		0.998	0.00	0.00
3.Input the picture of Tangerine on the screen	Tangerine	0.998	2.70	2.69

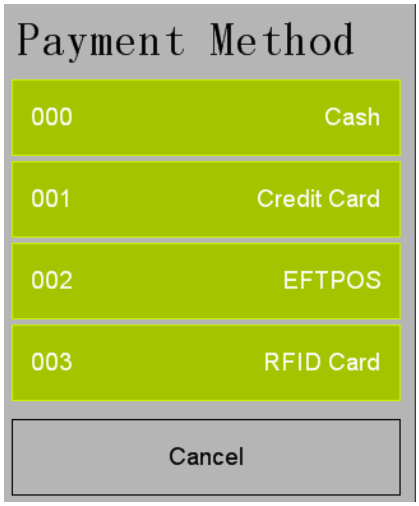
4.Click vender ‘Admin’	Admin	0.998	0.00	0.00
5.Put Strawberry on the tray		2.002		
6.Input the picture of Strawberry on the screen	Strawberry	2.002	3.80	7.61
7.Click vender ‘Admin’	Admin	2.002	0.00	0.00
8.Click vender ‘Admin’ again	Admin			
9.Click * - to print the receipt	* -			10.30



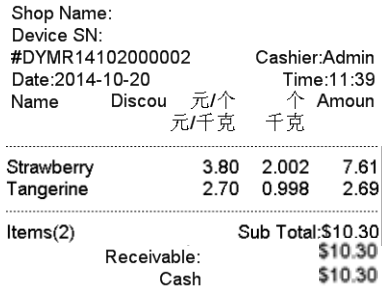
When you click vender ‘Admin’, the items is added. When you click ‘Admin’ again after all the items are added, the system will switch to the interface of setting accounts. As shown in the following picture:



Void item: Choose one item and click 'Void Item' can delete one item from the receipt;
Void All Items: Click 'Void All Items' can cancel a receipt before settling account;
Last Receipt: Click 'Last Receipt' can reprint the last receipt;
Open Drawer: After inputting the number of bill that was paid, click 'Open Drawer' to open drawer and change;
NO REC: Click 'NO REC' means not to print the receipt;
Feed: When the paper feeds abnormally or ectopically, click 'Feed' can adjust the paper;
TAX: Click here to enable tax status;
Payment: Click 'Payment' to switch the payment method, there are such payment method as 'Cash', 'Credit Card', 'EFTPOS', 'RFID Card'. As shown in the following picture:



: Click this key to print the receipt


Shop Name:
Device SN:
#DYMR14102000002 Cashier:Admin
Date:2014-10-20 Time:11:39
Name Discou 元/个 元/千克 个 千克 Amoun

Strawberry	3.80	2.002	7.61
Tangerine	2.70	0.998	2.69

Items(2) Sub Total:$10.30
Receivable: $10.30
Cash $10.30

Fresh Code Operation:

This method is for selling cargoes without PLU picture on touch screen and need to sell this cargo by inputting corresponding FRESH CODE.

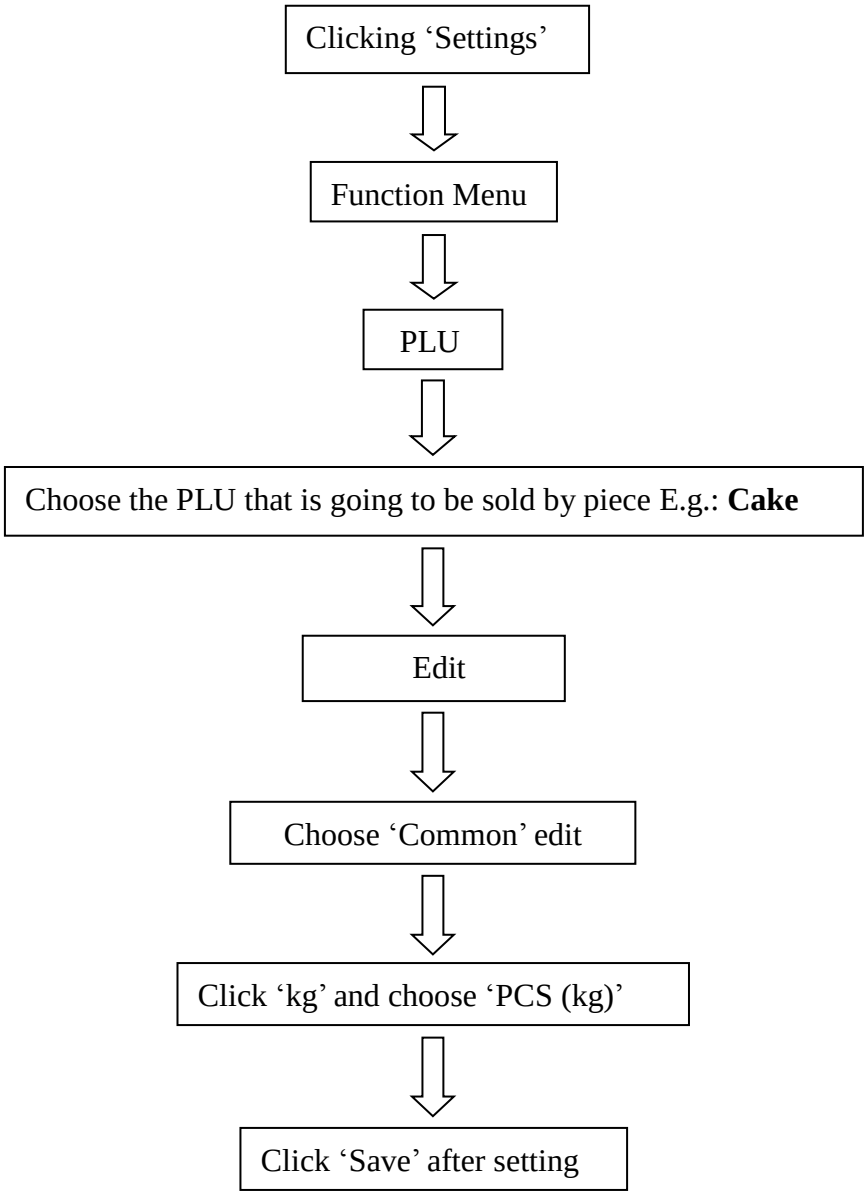
Sales example: Some tangerine weighing 0.998kg and strawberry weighting 2.002kg are sold, and the unit price of tangerine is 2.7 $/kg , and the unit price of strawberry is 3.8 $/kg. The fresh code of tangerine is 100012, and the fresh code of strawberry is 100006. The vender is Admin. Steps are as following:

OPERATION	KEY	DISPLAY		
		Weight(kg)	Unit price($/kg)	Total($)
1.Press '->0<-' if the weight is not zero	->0<-	0.000	0.00	0.00
2.Put Tangerine on the tray		0.998	0.00	0.00

3.Input fresh code of Tangerine 100012 on the screen	100012	0.998	2.70	2.69
4.Click vender ‘Admin’	Admin	0.998	0.00	0.00
5.Put Strawberry on the tray		2.002		
6.Input fresh code of Strawberry 100006 on the screen	100006	2.002	3.80	7.61
7.Click vender ‘Admin’	Admin	2.002	0.00	0.00
8.Click vender ‘Admin’ again	Admin			
9.Click to print the receipt				10.30

4.7.3. Calculate by Piece

First, please set the unit as ‘PCS’ as following steps:



METHOD 1: Hotkey Operation Steps

Sales example: Ten pieces of cake are sold. The hotkey of cake is 05. The unit price is $3/PCS(kg).

OPERATION	KEY	DISPLAY			REMARK
		PCS	Unit price	Total	
1. Input the number of the commodity through numerical keyboard. For example 10 pieces	1 0	0	0.00	0.00	The unit must be PCS.
2. Press 'X' key	'X'	0.000	0.00	0.00	
3. Click the picture of cake on the screen	'Cake'	10	3.00	30.00	
4. Press accumulation vender for example: Admin	'Admin'	10	3.00	30.00	
5. Press accumulation vender 'Admin' again	'Admin'				
6. Press * – key to print receipt	* –	10	3.00	30.00	

METHOD 2: General sales steps by inputting FRESH CODE.

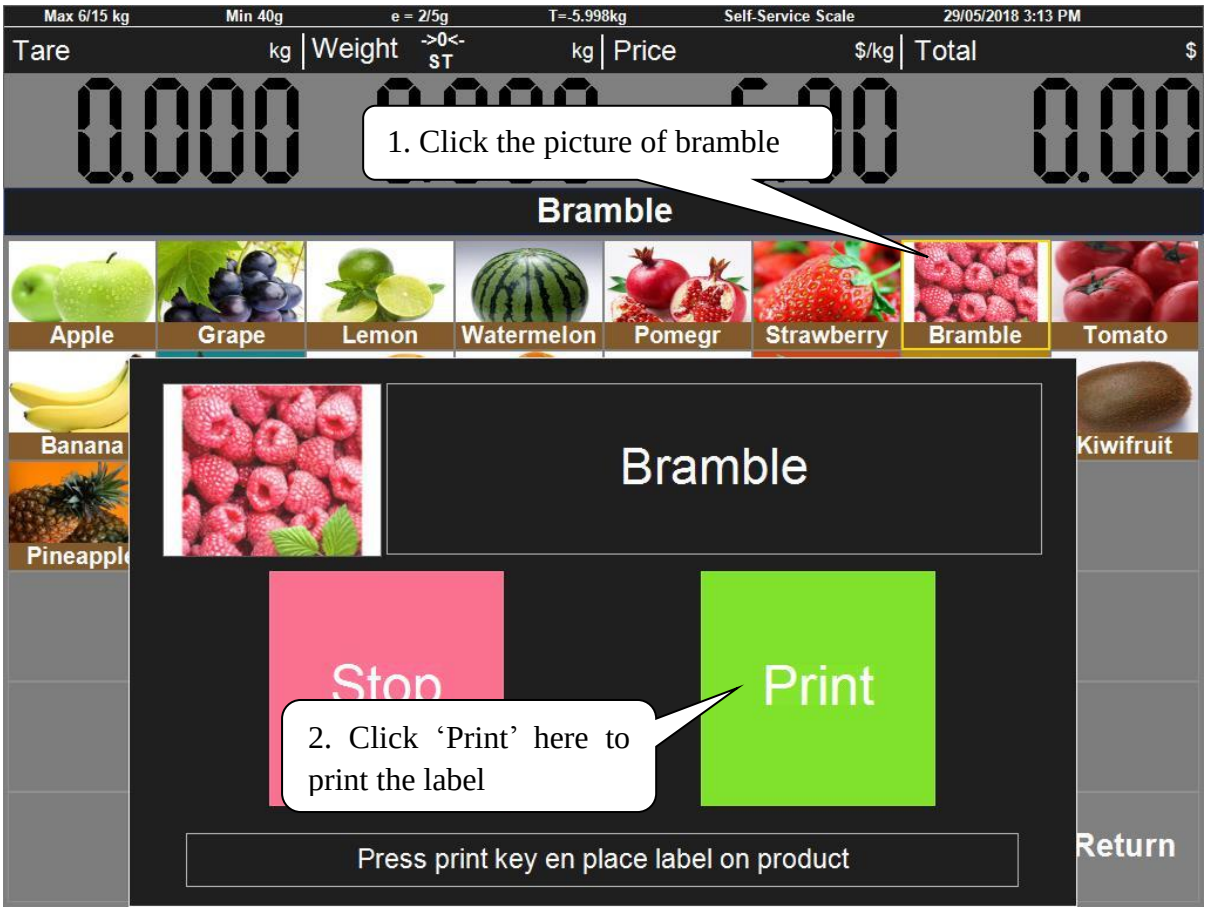
Sales example: Ten pieces of cakes are sold and the FRESH CODE of the cake is 12. The unit price is $3/PCS(kg). This case is for selling cargo without PLU picture on touch screen and need to sell this cargo by inputting corresponding FRESH CODE.

OPERATION	KEY	DISPLAY			REMARK
		PCS	Unit price	Total	
1. Input the number of the Cake 10 through small keyboard	1 0	0.000	0.10	0.10	The unit must be PCS.
2. Press 'X' key		0.000	0.00	0.00	
3. Press PLU key and input FRESH CODE of the cake 12	12		3.00		
4. Press 'OK' after inputting					
5. Press accumulation vender for example: Admin		10	3.00	30.00	
6. Press accumulation vender 'Admin' again					
7. Press * – key to print receipt	* –	10	3.00	30.00	

4.8. Operation of Self-Service Scale

Switch the scale mode to Self-Service Scale according to section 4.2 Scale Mode Switch, and then enter into Self-Service Scale sale interface. The following picture is the mainboard interface of the Self-Service Scale:

Put item on the pan, take bramble as an example:
Put the bramble on the pan, and find the category of bramble—Fruit. Clicks ‘Fruit’ and find bramble, click it, then the system will show the interface as below:

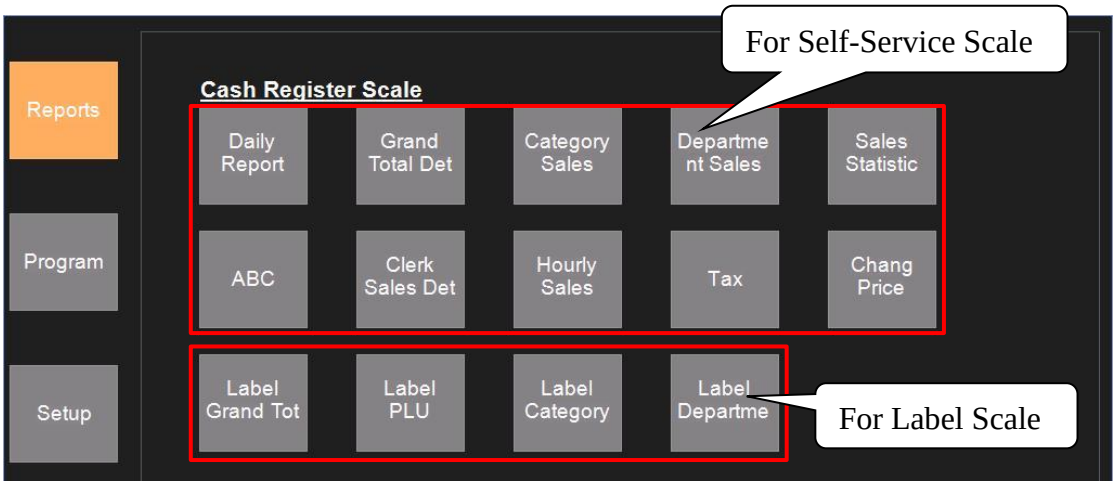


Several seconds later the system will return back to category automatically.

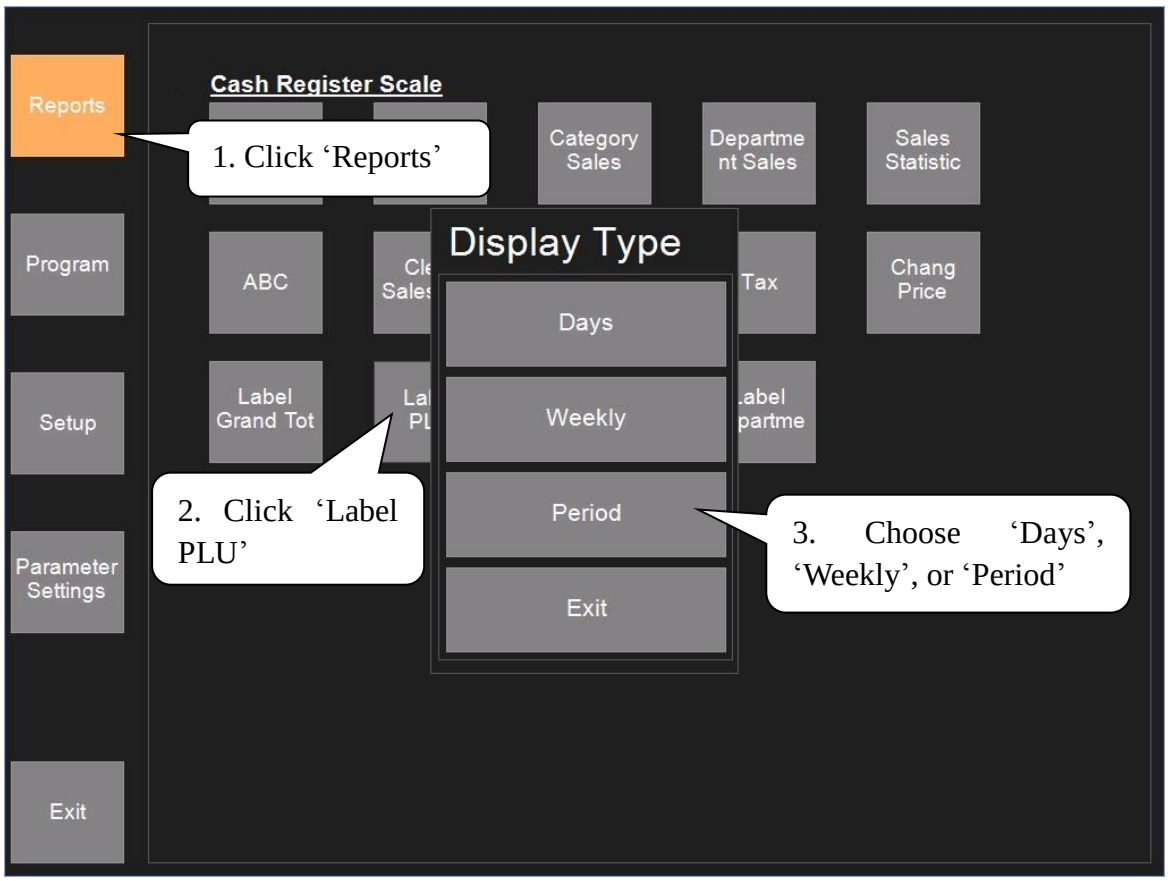
5. System Settings

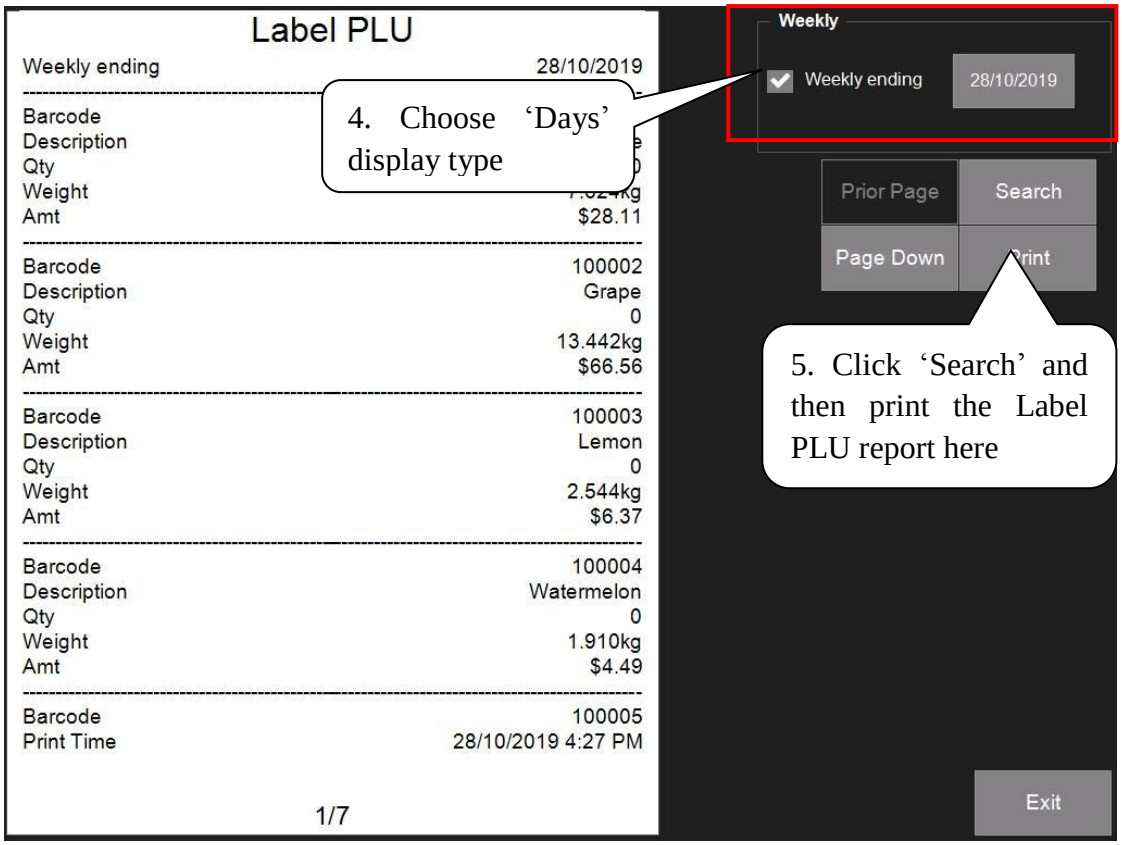
5.1. Report

Click ‘Settings’—‘Report’ to enter into Report interface as following picture shows, which ‘Daily Report’, ‘Grand Total Det’, ‘Category Sales’, ‘Department Sales’, ‘Sales Statistic’, ‘ABC’, ‘Clerk Sales Det’, ‘Hourly Sales’, ‘Tax’, ‘Chang Price’, ‘Label Grand Total’, ‘Label Department’ and ‘Label PLU’ can be printed. The steps of printing these reports are the same, so here is going to describe the steps of ‘Label PLU’, and others can take it as reference.

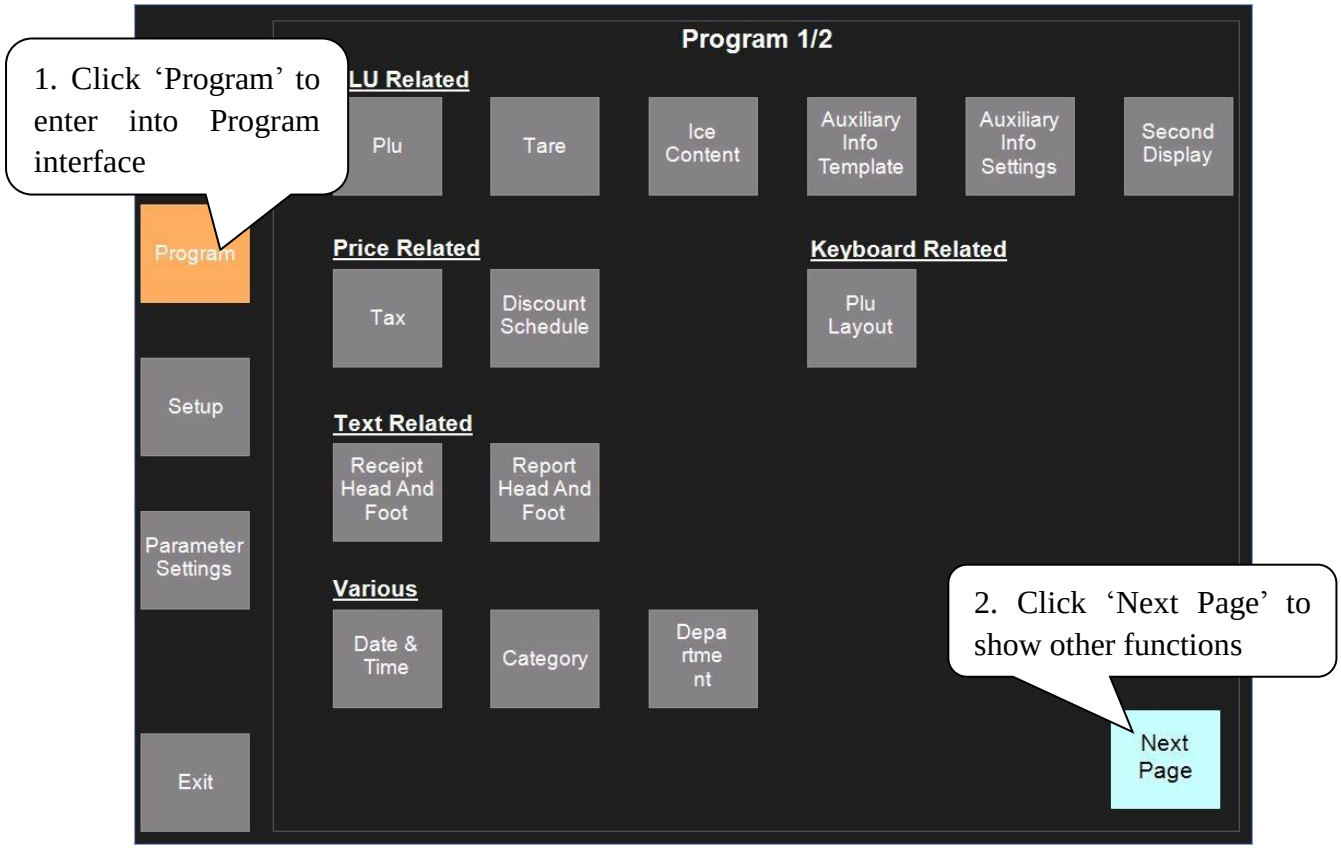


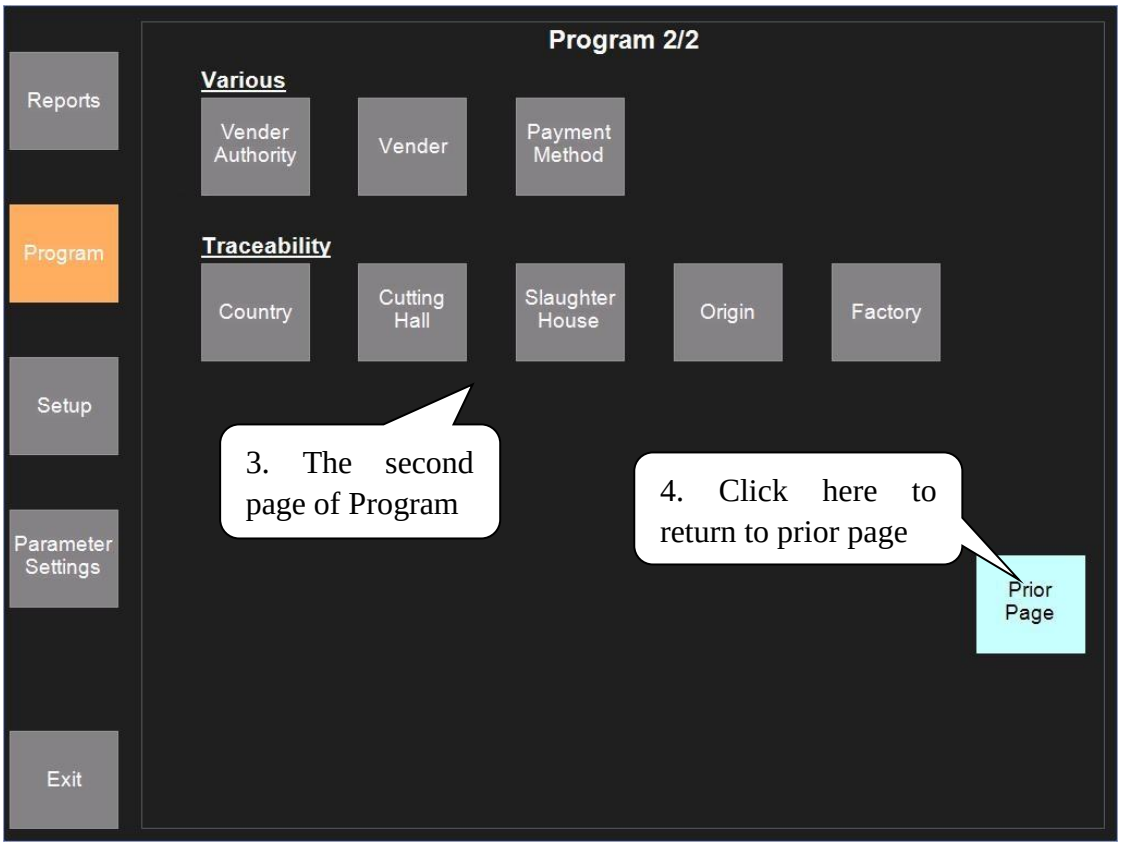
Click ‘Settings’—‘Report’—‘Label PLU’, input the date of sales, the category, product code and the cashier of the items, the report can be searched, printed view, and printed. You can also export the data from scale to PC, you can send email either.




Label PLU
Weekly ending 28/10/2019
Barcode
Description
Qty
Weight
Amt $28.11
Barcode 100002
Description Grape
Qty 0
Weight 13.442kg
Amt $66.56
Barcode 100003
Description Lemon
Qty 0
Weight 2.544kg
Amt $6.37
Barcode 100004
Description Watermelon
Qty 0
Weight 1.910kg
Amt $4.49
Barcode 100005
Print Time 28/10/2019 4:27 PM
1/7
4. Choose 'Days' display type
Weekly
Weekly ending
28/10/2019
Prior Page
Search
Page Down
Print
5. Click 'Search' and then print the Label PLU report here
Exit

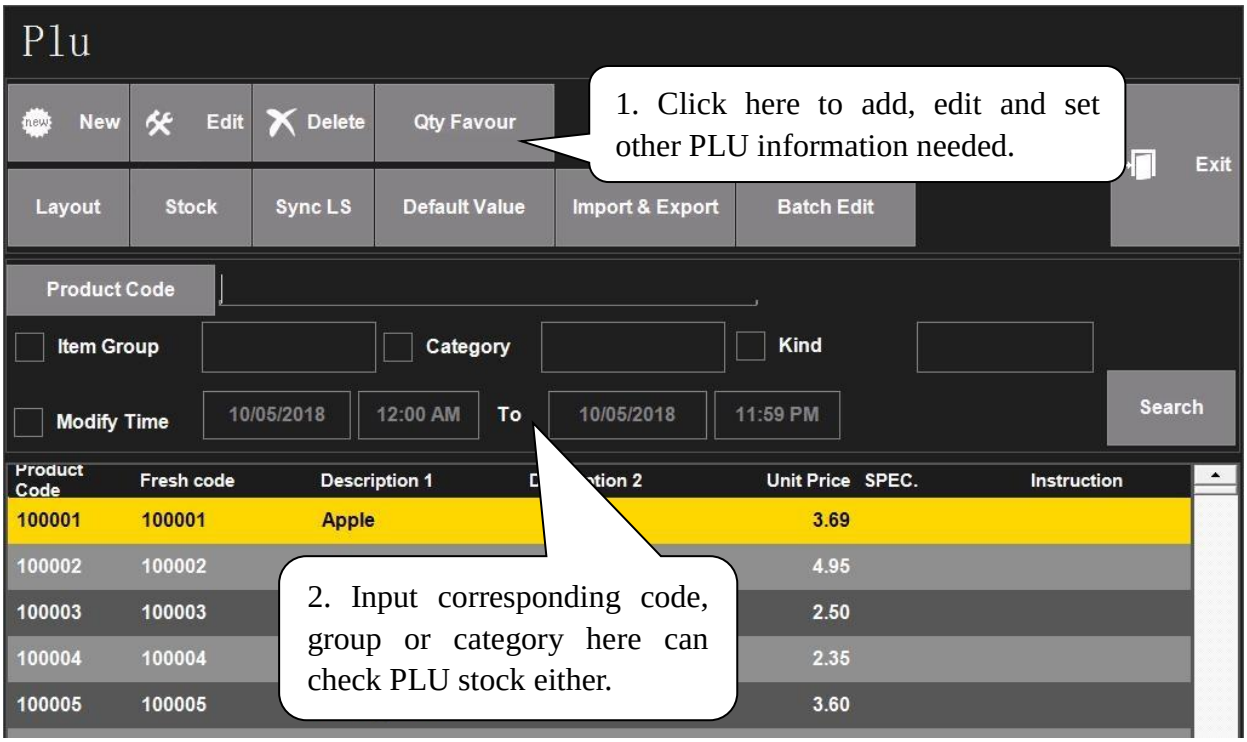
5.2. Program

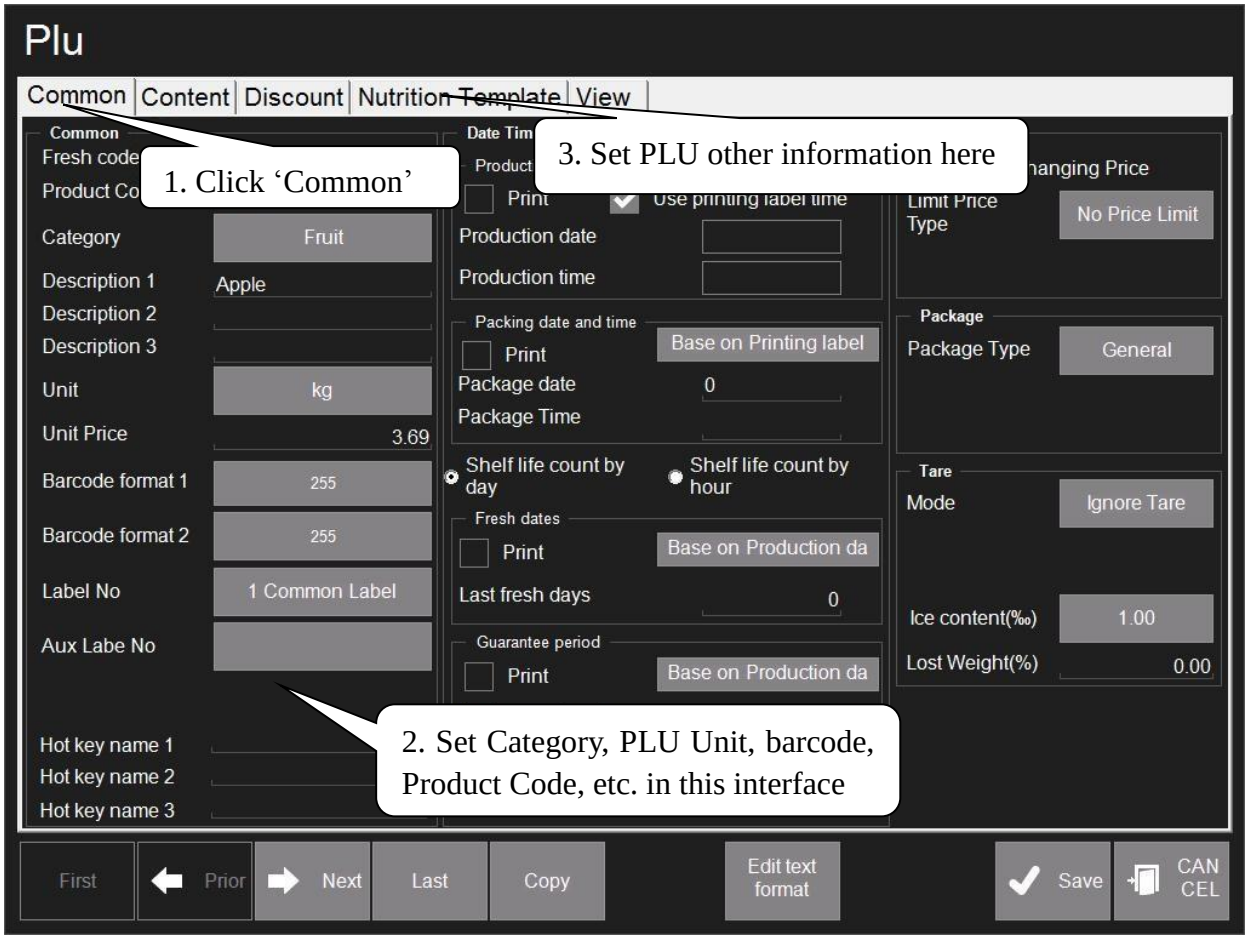

1. Click 'Program' to enter into Program interface
Program 1/2
LU Related
Plu
Tare
Ice Content
Auxiliary Info Template
Auxiliary Info Settings
Second Display
Program
Price Related
Tax
Discount Schedule
Keyboard Related
Plu Layout
Setup
Text Related
Receipt Head And Foot
Report Head And Foot
Parameter Settings
Various
Date & Time
Category
Depa rtme nt
2. Click 'Next Page' to show other functions
Exit
Next Page

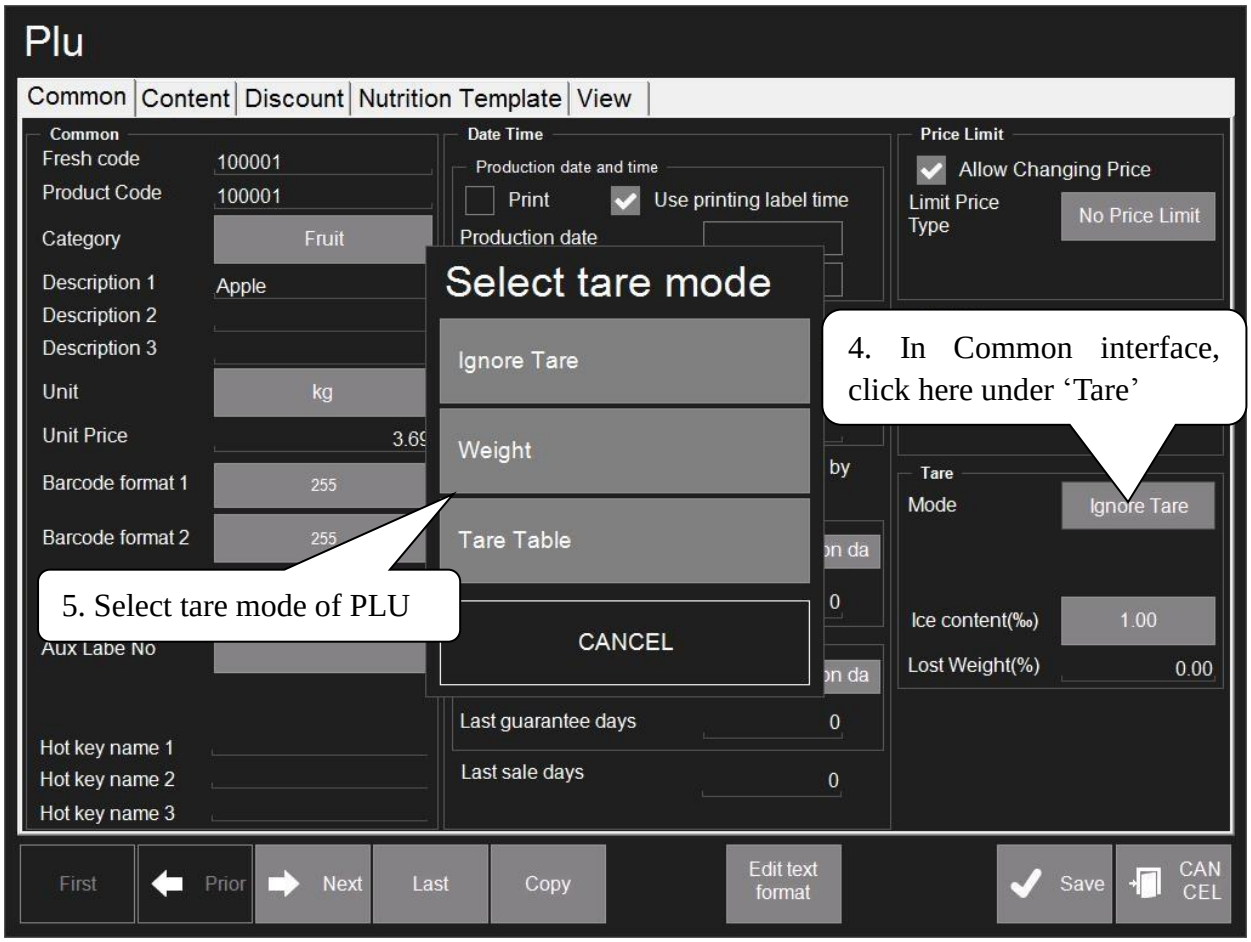


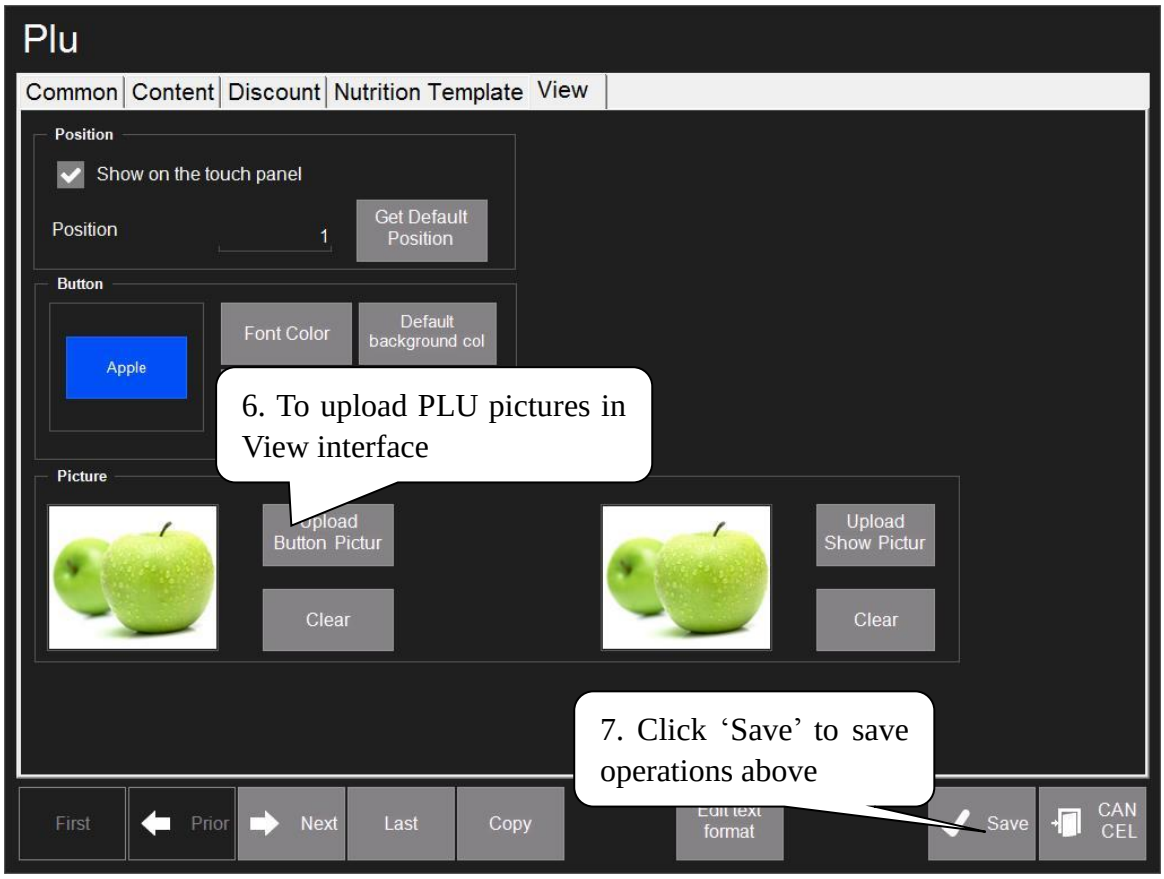
5.2.1. PLU Related

5.2.1.1. PLU Setting




Plu
Common
Content
Discount
Nutrition Template
View
1. Click ‘Common’
3. Set PLU other information here
Common
Fresh code
Product Co
Category
Fruit
Description 1
Apple
Description 2
Description 3
Unit
kg
Unit Price
3.69
Barcode format 1
255
Barcode format 2
255
Label No
1 Common Label
Aux Labe No
Hot key name 1
Hot key name 2
Hot key name 3
Date Tim
Product
Print
Use printing label time
Production date
Production time
Packing date and time
Print
Base on Printing label
Package date
0
Package Time
Shelf life count by day
Shelf life count by hour
Fresh dates
Print
Base on Production da
Last fresh days
0
Guarantee period
Print
Base on Production da
hanging Price
Limit Price Type
No Price Limit
Package
Package Type
General
Tare
Mode
Ignore Tare
Ice content(‰)
1.00
Lost Weight(%)
0.00
2. Set Category, PLU Unit, barcode, Product Code, etc. in this interface
First
Prior
Next
Last
Copy
Edit text format
Save
CAN CEL


Plu
Common
Content
Discount
Nutrition Template
View
Common
Fresh code
100001
Product Code
100001
Category
Fruit
Description 1
Apple
Description 2
Description 3
Unit
kg
Unit Price
3.69
Barcode format 1
255
Barcode format 2
255
Aux Labe No
Hot key name 1
Hot key name 2
Hot key name 3
Date Time
Production date and time
Print
Use printing label time
Production date
Last guarantee days
0
Last sale days
0
Select tare mode
Ignore Tare
Weight
Tare Table
CANCEL
4. In Common interface, click here under ‘Tare’
5. Select tare mode of PLU
Price Limit
Allow Changing Price
Limit Price Type
No Price Limit
Tare
Mode
Ignore Tare
Ice content(‰)
1.00
Lost Weight(%)
0.00
First
Prior
Next
Last
Copy
Edit text format
Save
CAN CEL



5.2.1.2. Gift Baskets Function

Gift baskets function is usually used in the aspect, such as pack gift-box and fruit-dish. Set a hotkey as 'gift baskets' first on the scale.

1. Open PLU Setting, add one PLU as the 'gift basket' named 'Gift Basket' first:
2. Set the unit price as 0; set the package type as 'Fixed Weight and Price'; set the package weight as 0.000.

For example: Package a fruit-dish (apple, grape and orange):

PLU name: Apple weight unit: kg unit price: 10.00 $/kg
PLU name: Orange weight unit: kg unit price: 4.00 $/kg
PLU name: Grape weight unit: kg unit price: 20.00 $/kg

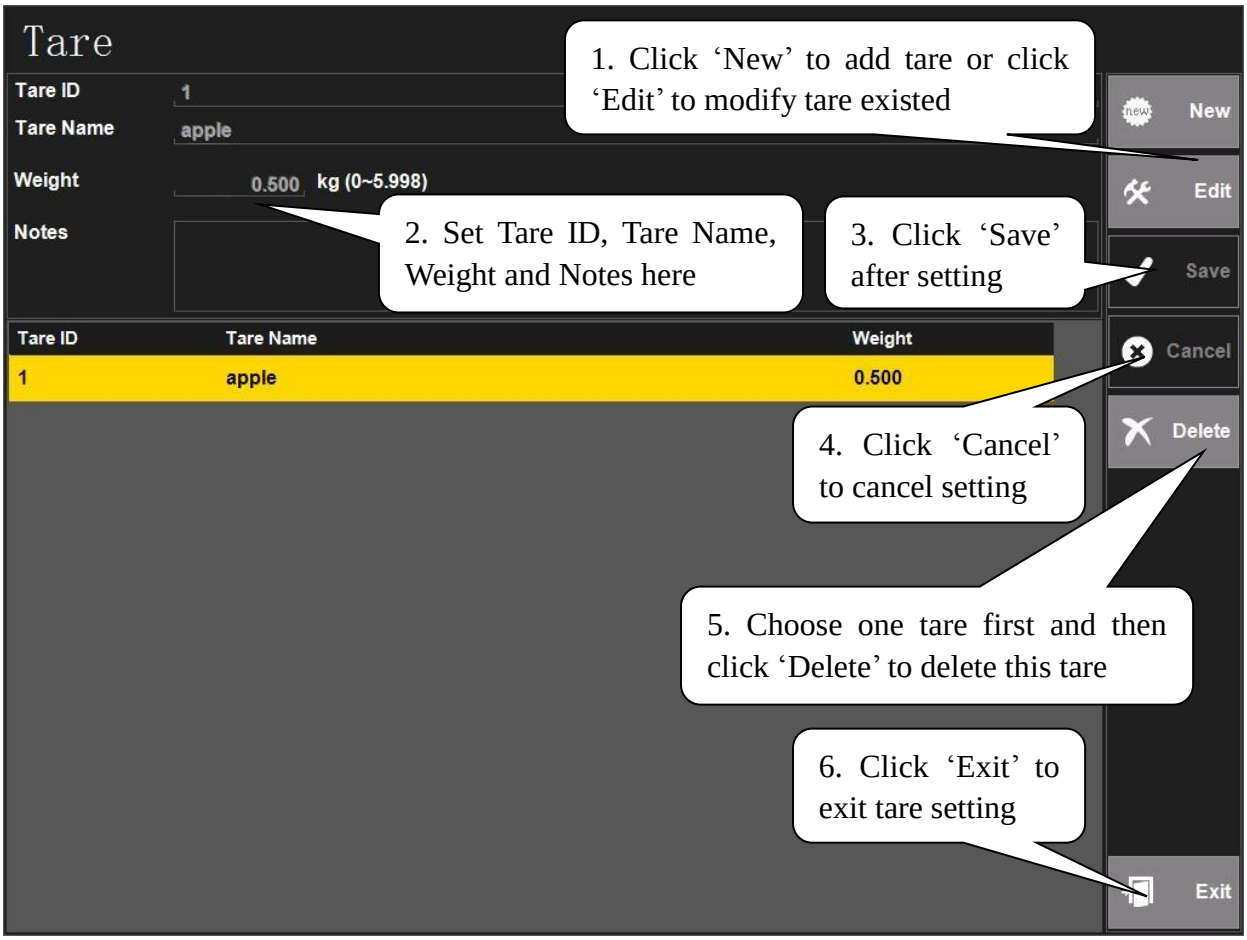
Suppose each of the three fruits is 1.000 kg. The operation shows as below:

OPERATION	KEY	DISPLAY			REMARK
		Weight(kg)	Unit Price($/kg)	Total($)	
1. Press 'Gift Basket' key	Gift Basket	0.000	0.00	0.00	The system will remind 'Enter gift basket mode'
2. Put the apple on the pan, and press hotkey 'Apple'	Apple	1.000	10.00	10.00	Add item [Apple] to gift basket [Gift Basket]

3. Put the orange on the pan, and press hotkey 'Orange'	Orange	1.000	4.00	4.00	Add item [Orange] to gift basket [Gift Basket]
4. Put the grape on the pan, and press hotkey 'Grape'	Grape	1.000	20.00	20.00	Add item [Grape] to gift basket [Gift Basket]
5. Press 'Gift Basket' key	Gift Basket	0.000	0.00	0.00	Print sum account label

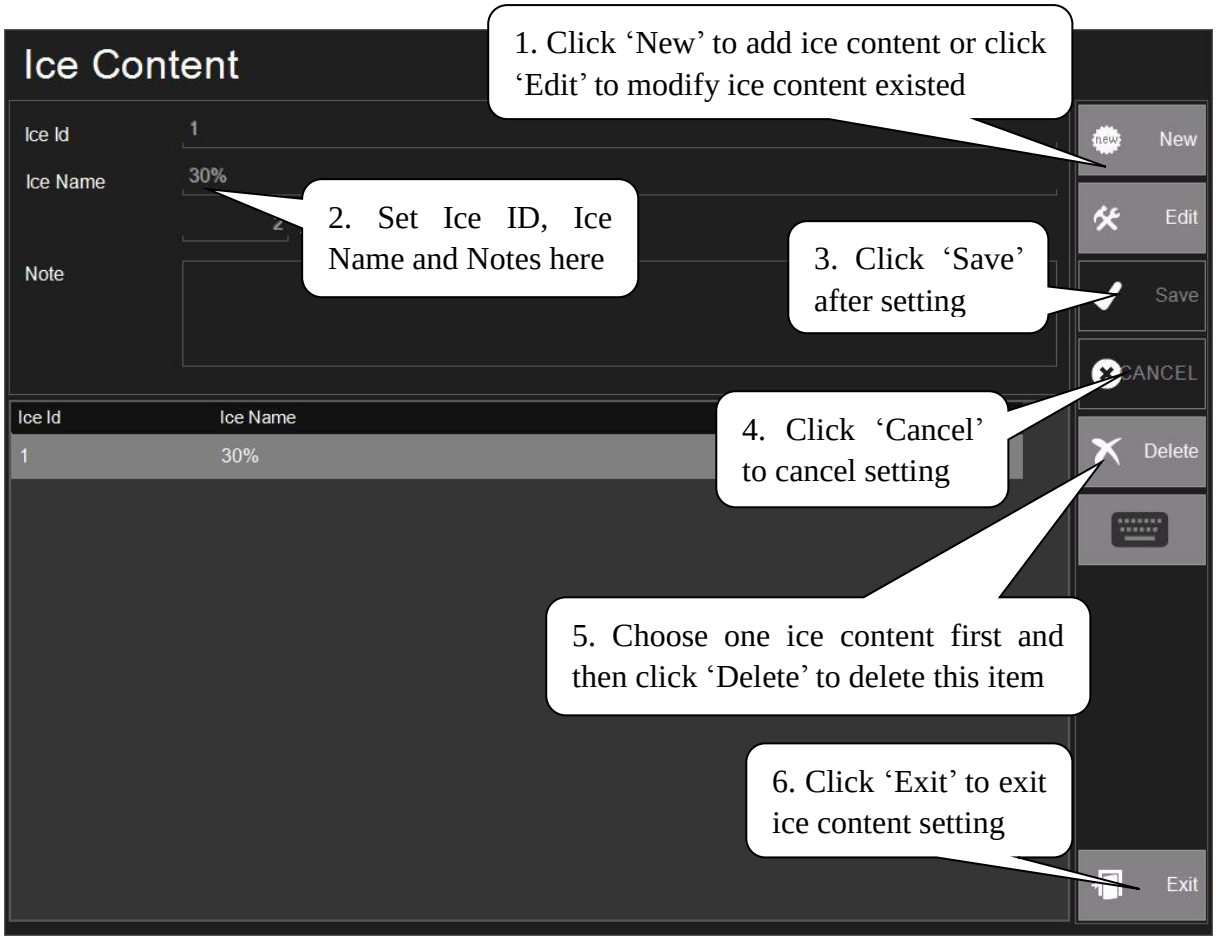
Note: This function can only be used in Label Scale Mode and Self-Service Scale Mode.

5.2.1.3. Tare Setting



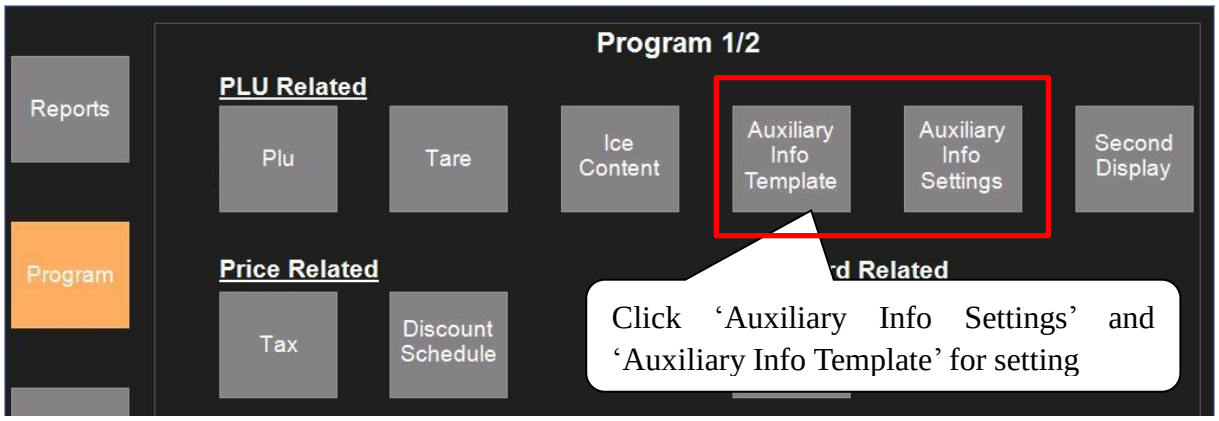
Note: the operation of using this tare table can be seen in chapter '4.3 Tare Operation', the third method: 'Presetting tare value'. Or see the chapter '4.6.7 Long Click to Choose Tare' as for reference.

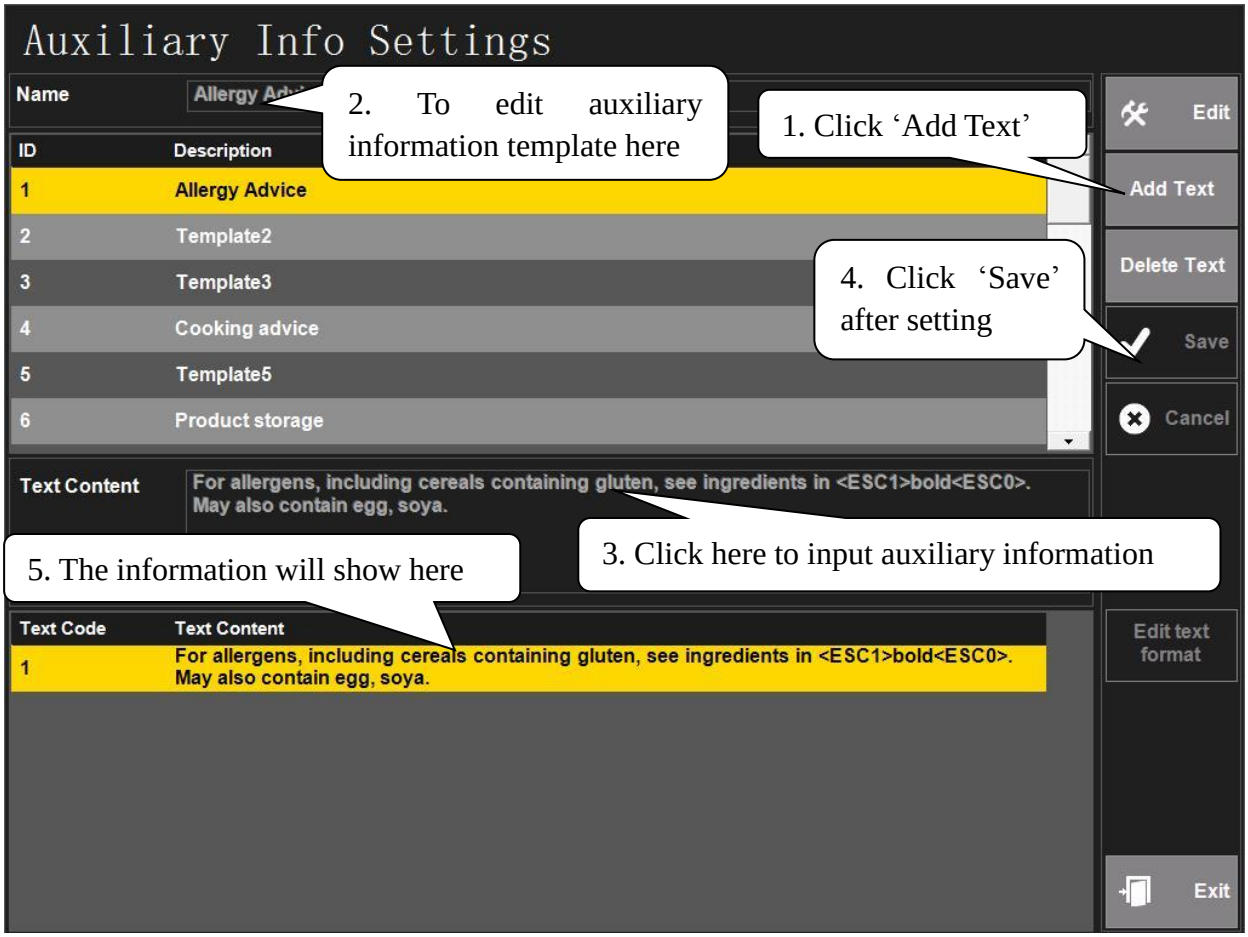
5.2.1.4. Ice Content

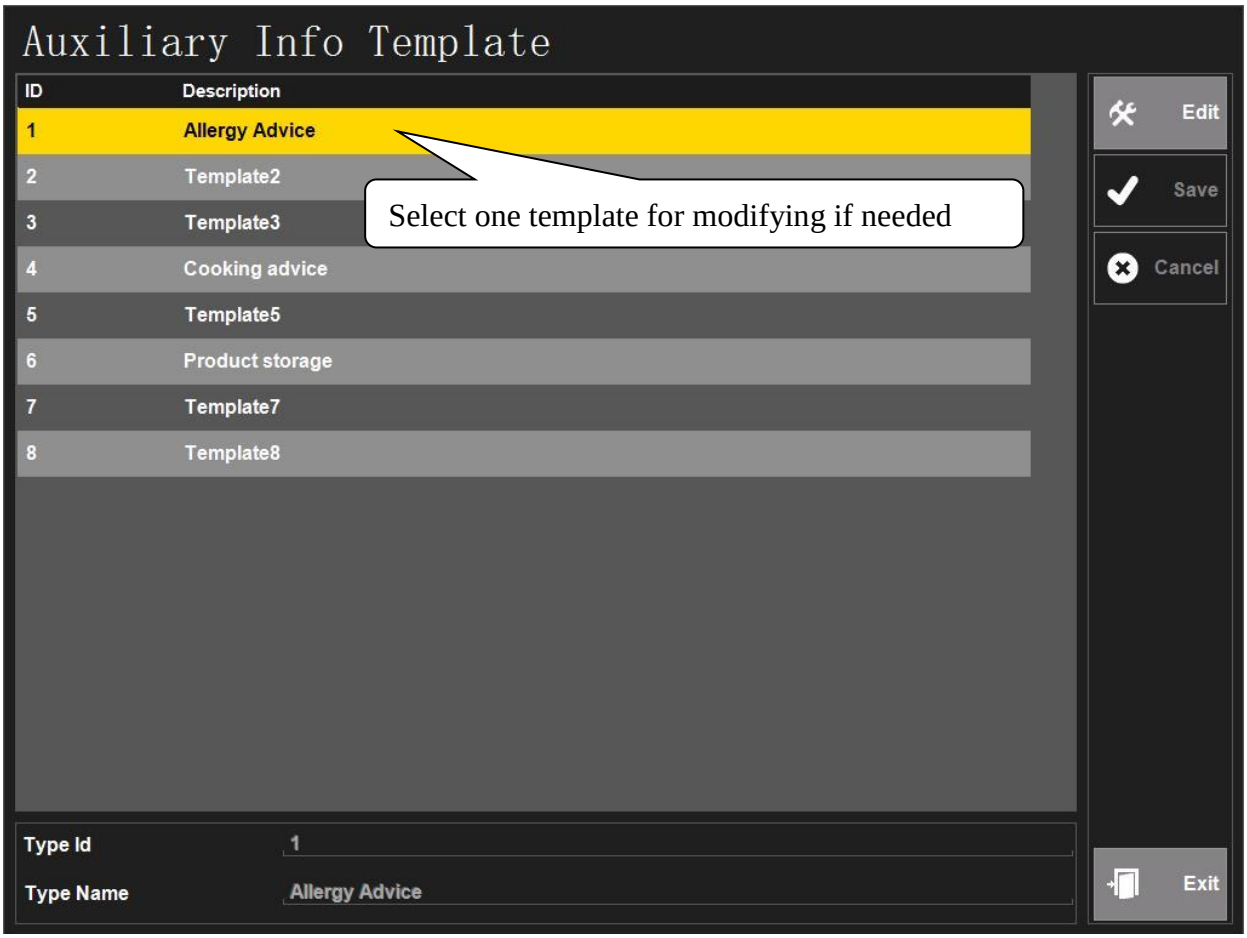


5.2.1.5. Auxiliary Information Setting

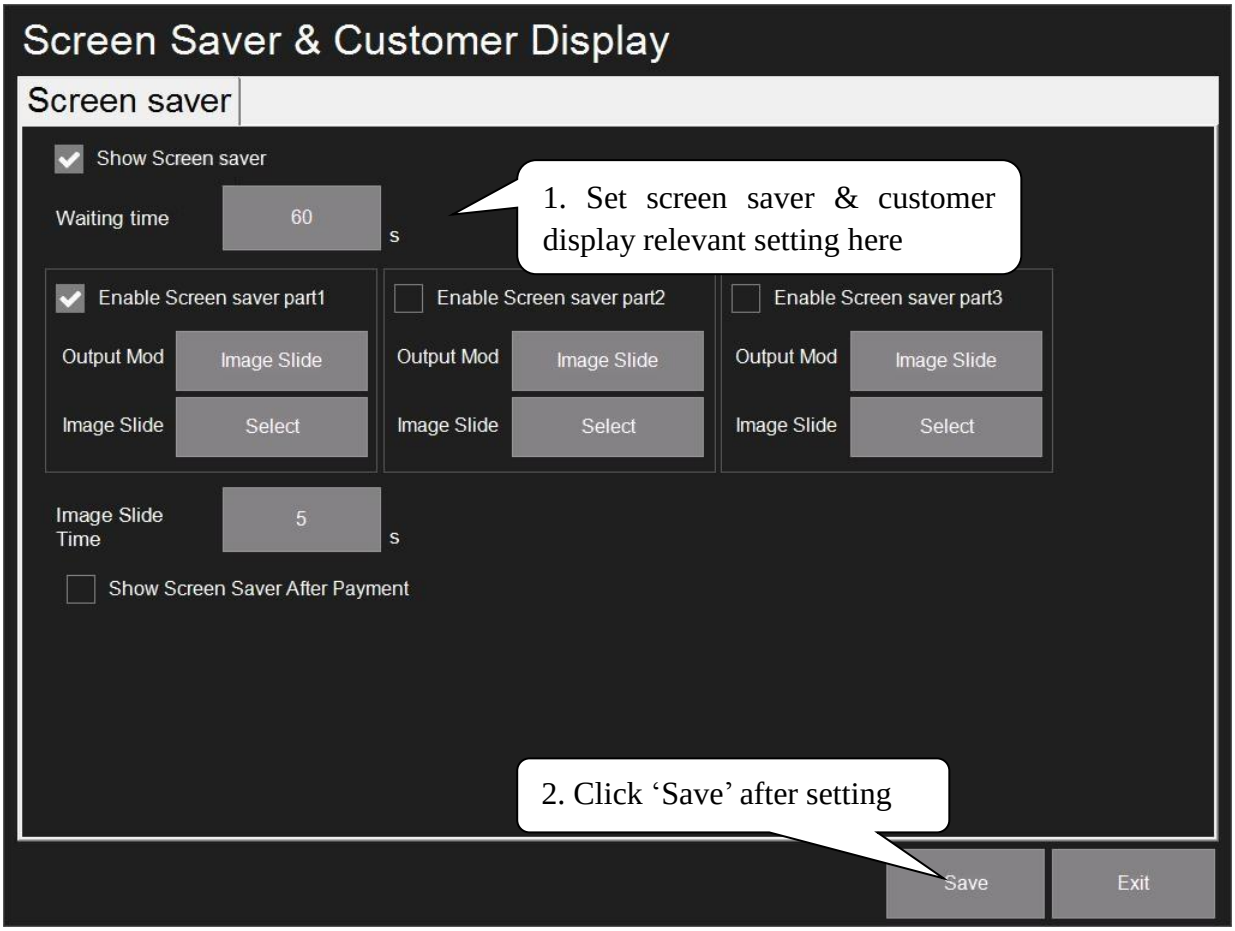
This function is for setting Auxiliary Information.




Auxiliary Info Settings
Name
2. To edit auxiliary information template here
1. Click 'Add Text'
Edit
Add Text
Delete Text
Save
Cancel
ID
Description
1
Allergy Advice
2
Template2
3
Template3
4
Cooking advice
5
Template5
6
Product storage
4. Click 'Save' after setting
Text Content
For allergens, including cereals containing gluten, see ingredients in <ESC1>bold<ESC0>.
May also contain egg, soya.
3. Click here to input auxiliary information
5. The information will show here
Text Code
Text Content
1
For allergens, including cereals containing gluten, see ingredients in <ESC1>bold<ESC0>.
May also contain egg, soya.
Edit text format
Exit

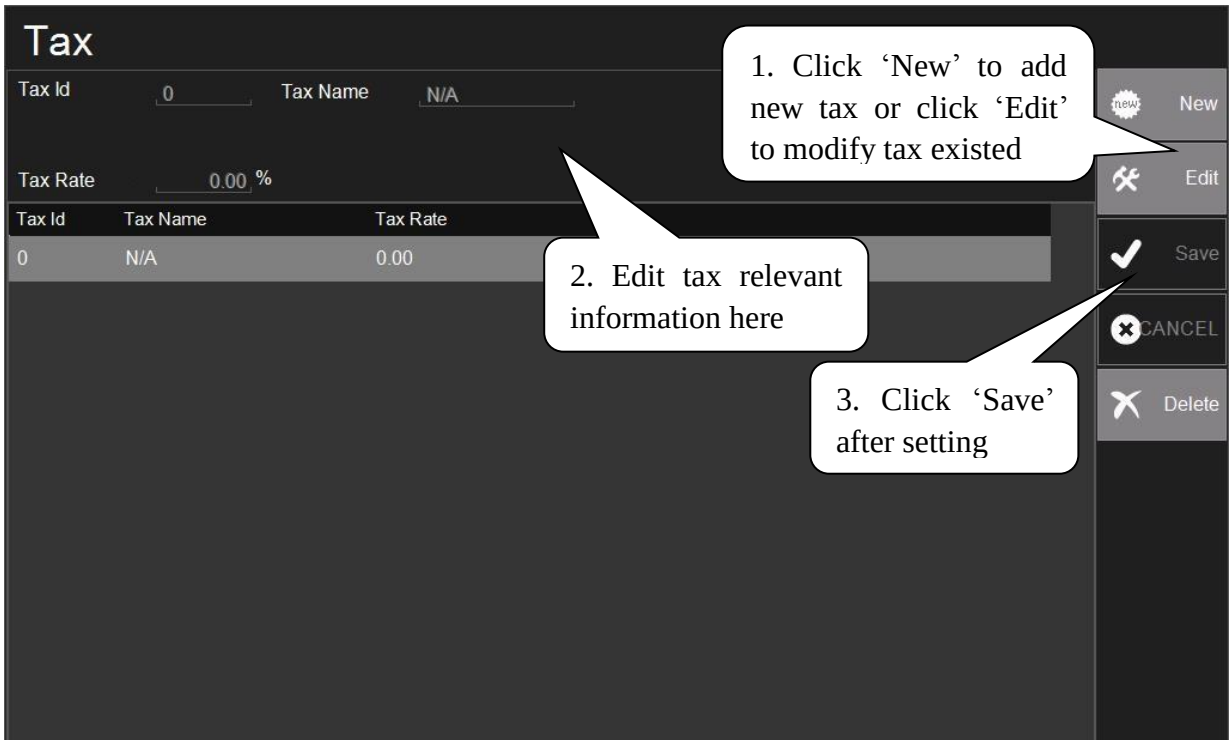

Auxiliary Info Template
ID
Description
1
Allergy Advice
2
Template2
3
Template3
4
Cooking advice
5
Template5
6
Product storage
7
Template7
8
Template8
Select one template for modifying if needed
Edit
Save
Cancel
Type Id
1
Type Name
Allergy Advice
Exit

5.2.1.6. Second Display

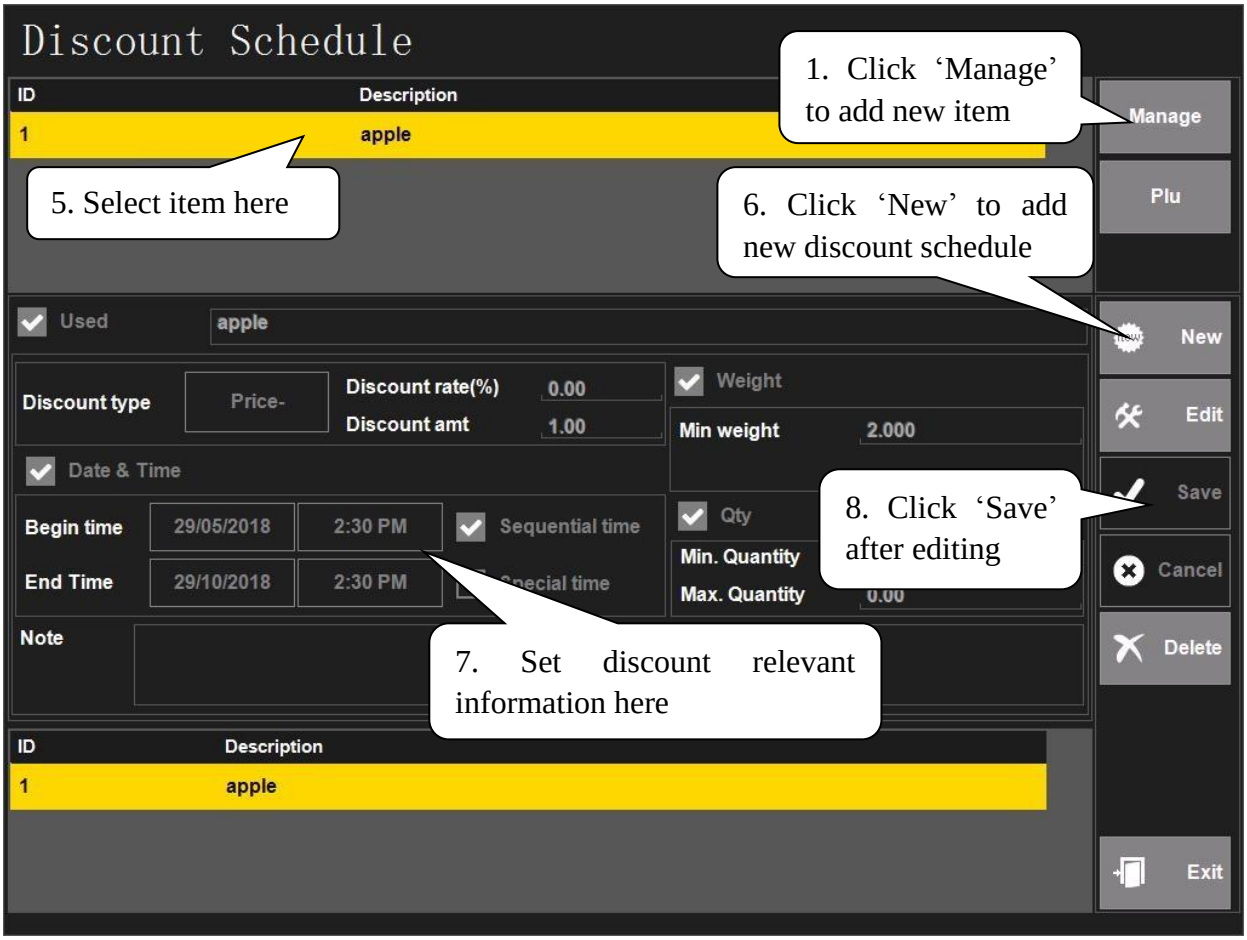


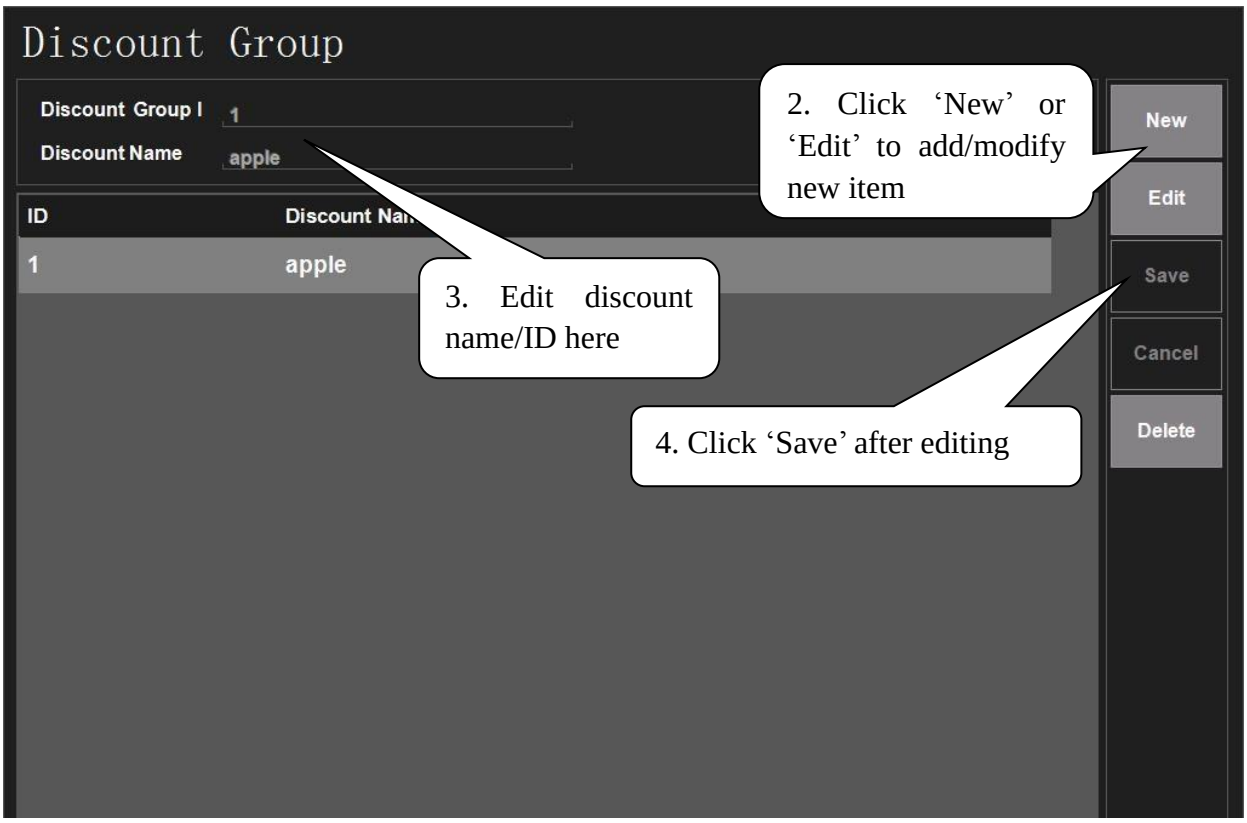
5.2.2. Price Related

5.2.2.1. Tax Setting



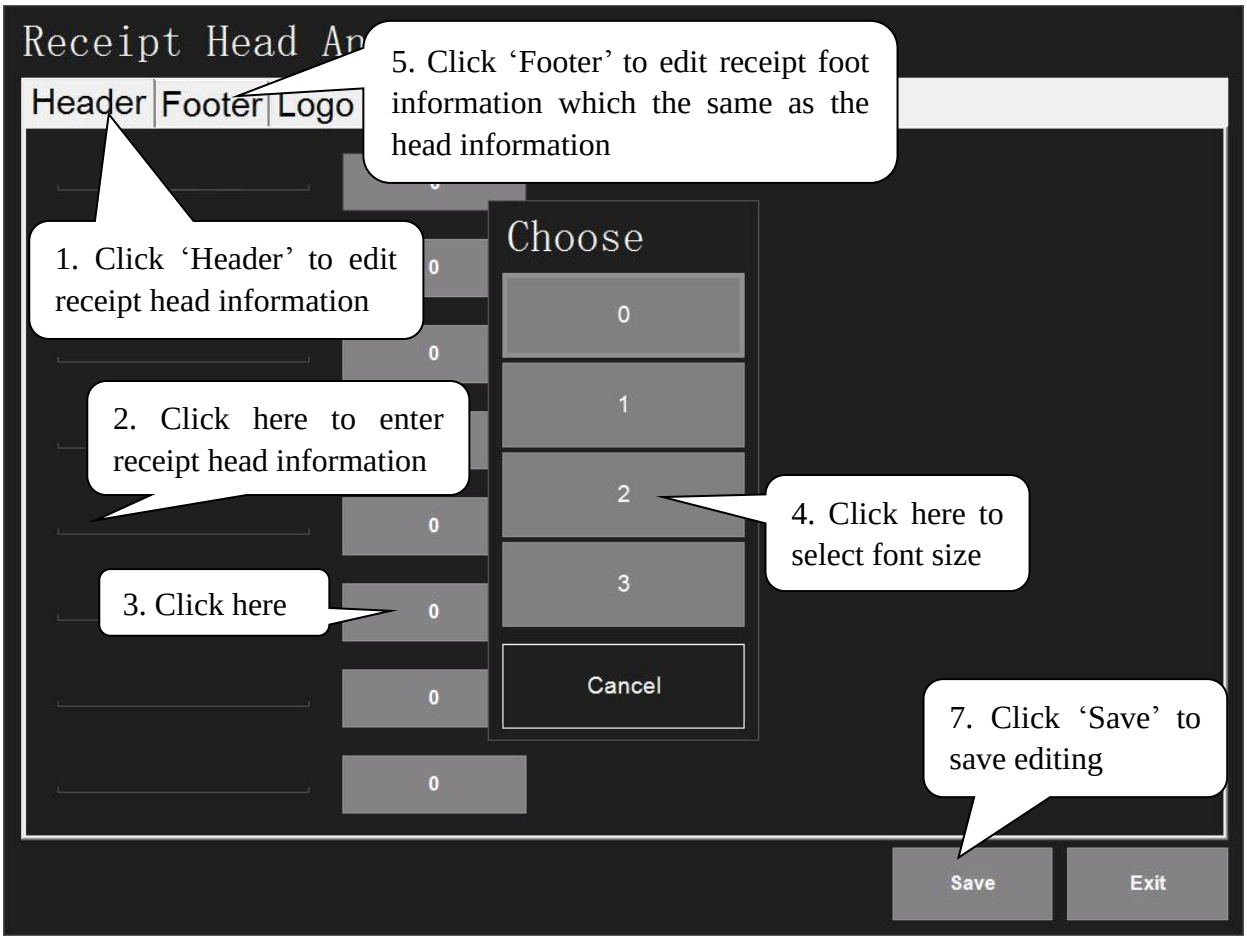
5.2.2.2. Discount Schedule Setting

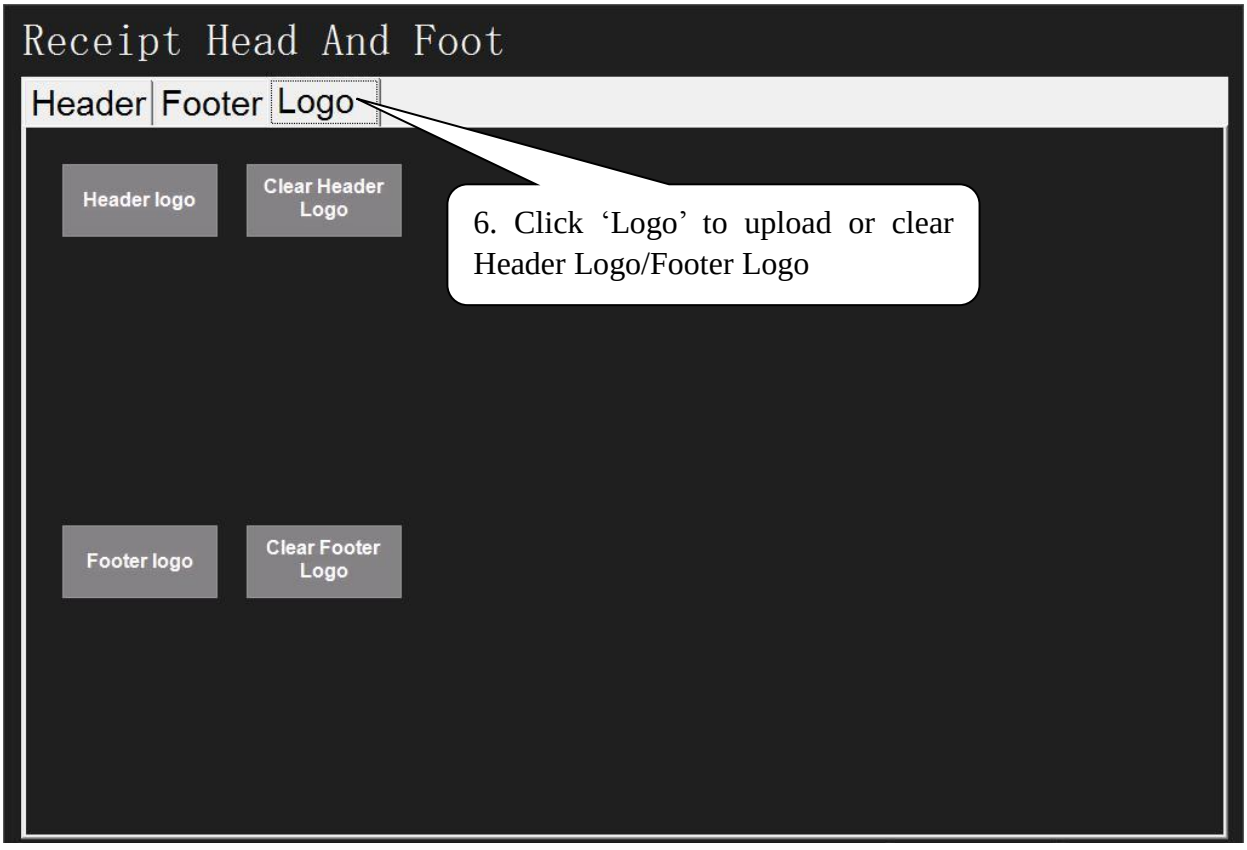




5.2.3. Text Related

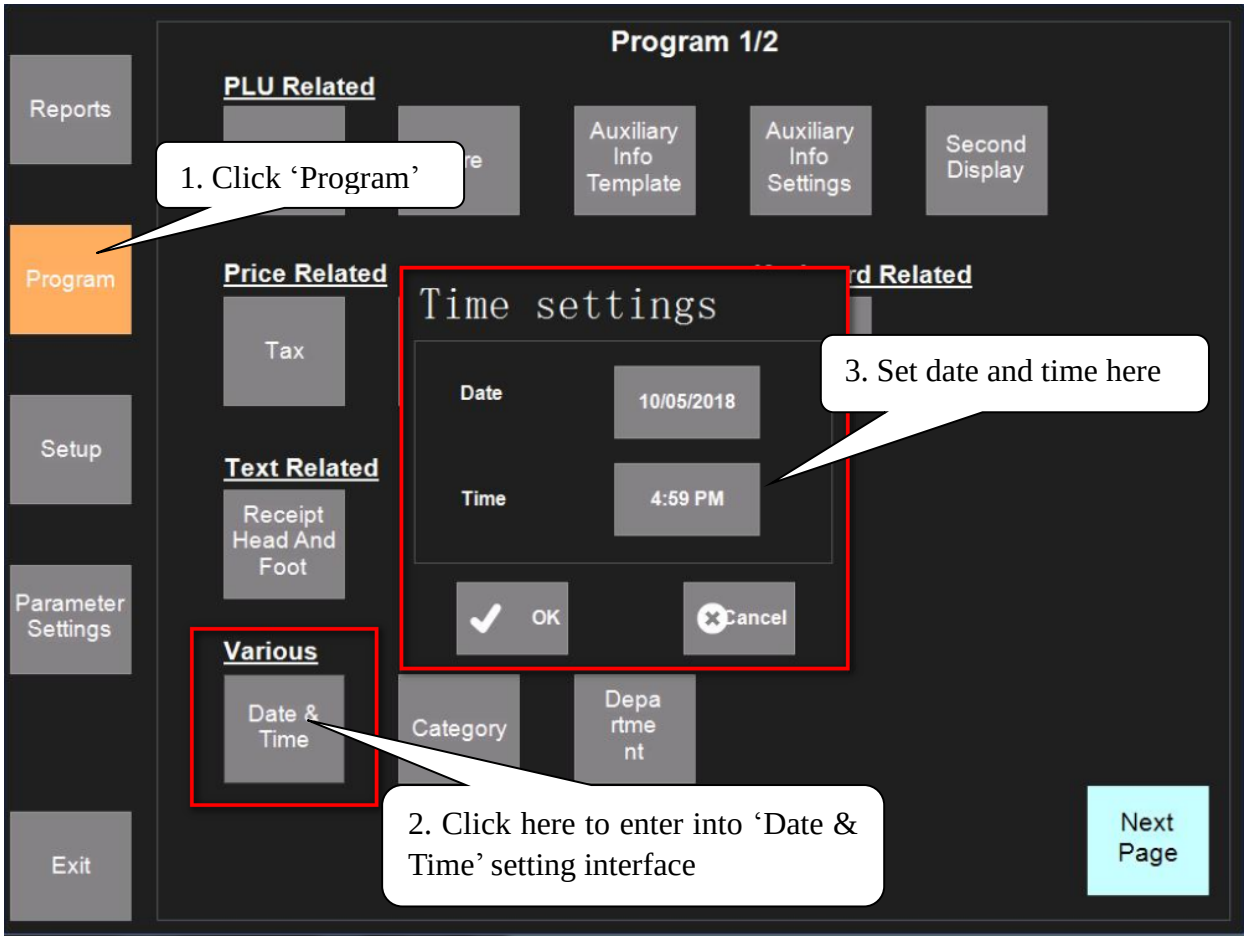
5.2.3.1. Receipt Head and Foot Setting



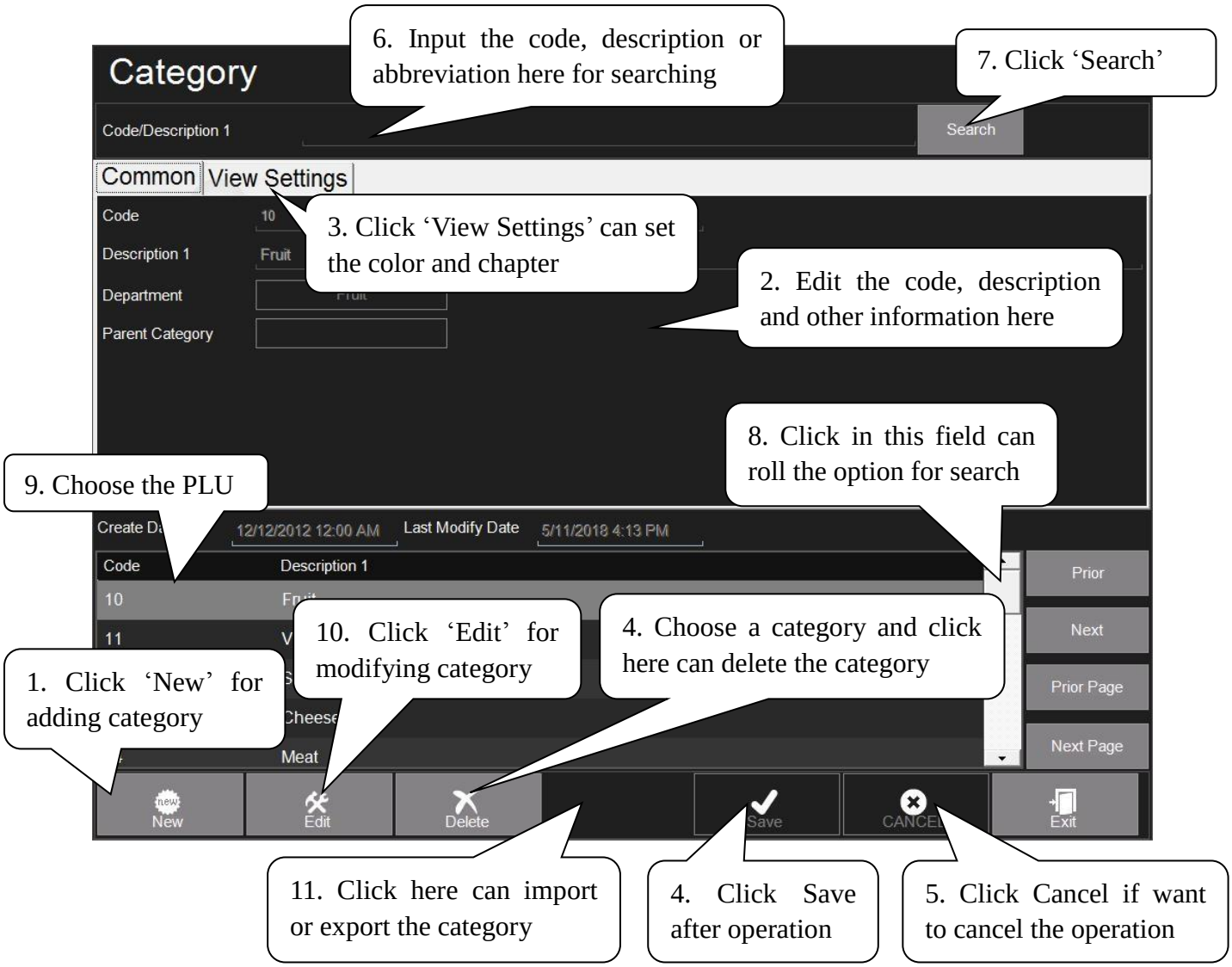


5.2.4. Various

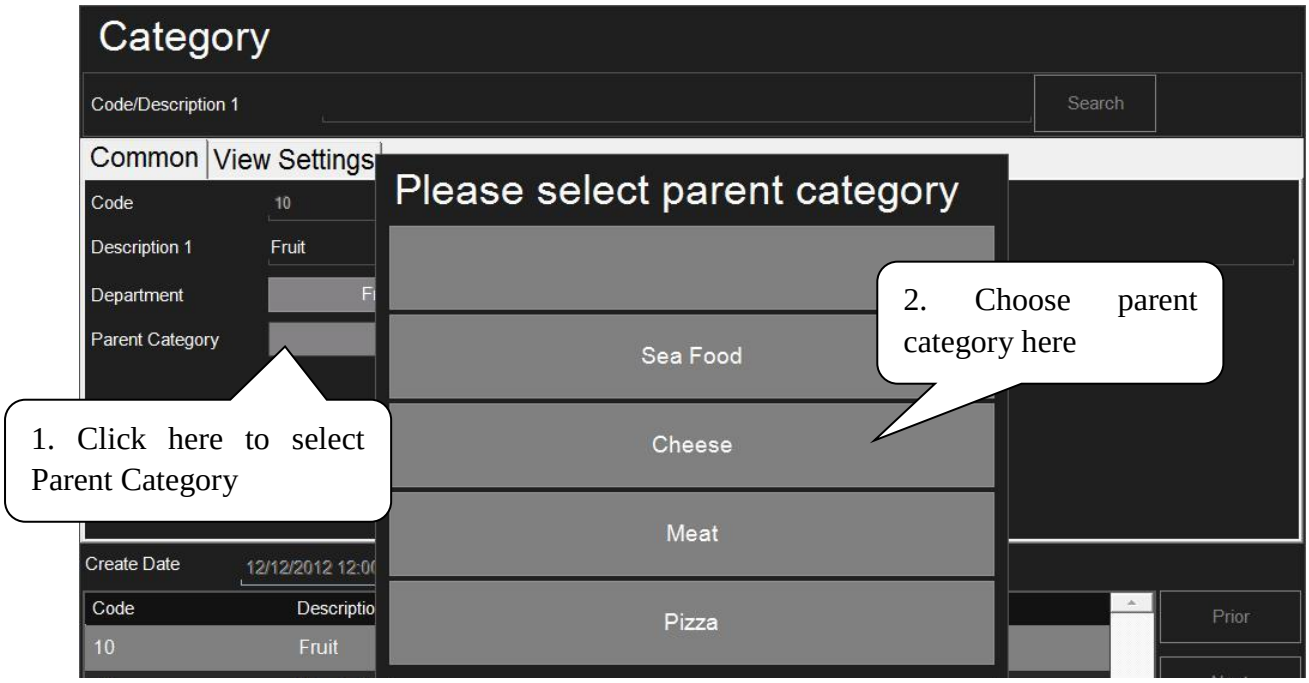
5.2.4.1. Date & Time



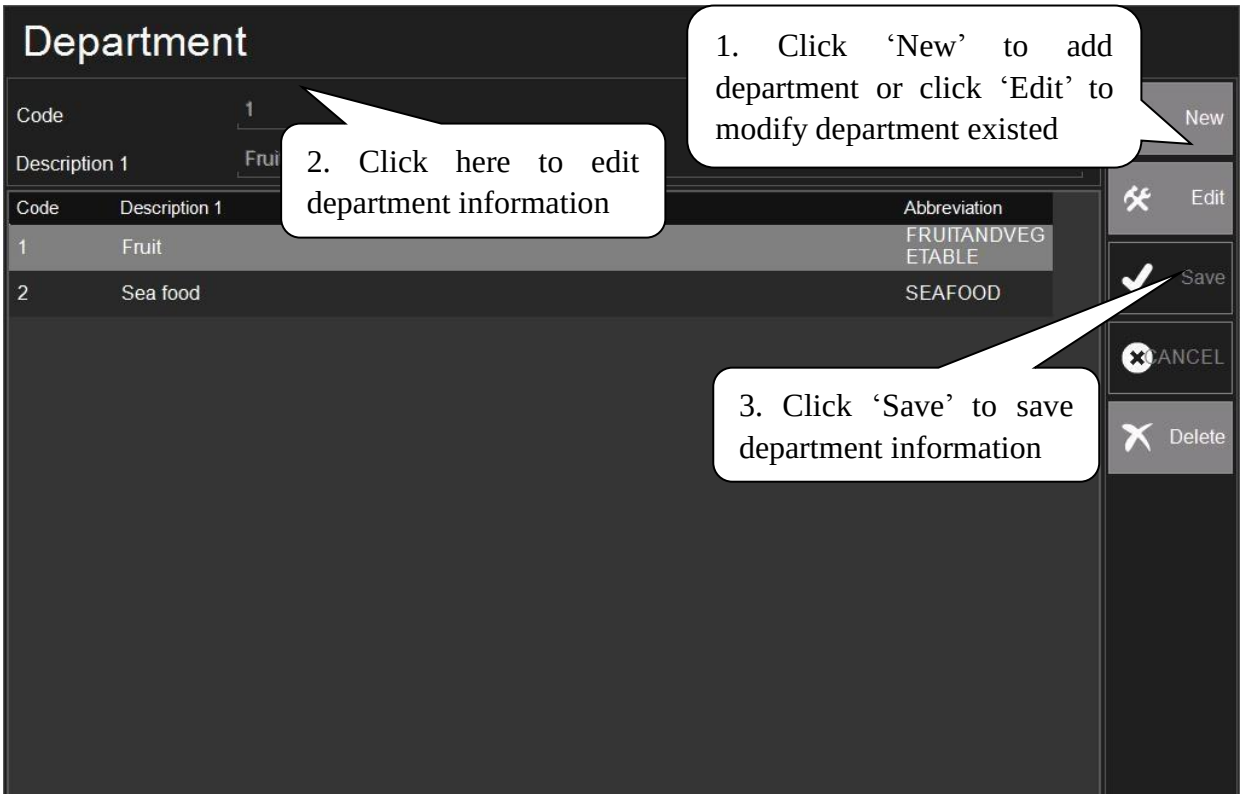
5.2.4.2. Category



5.2.4.3. Parent Category

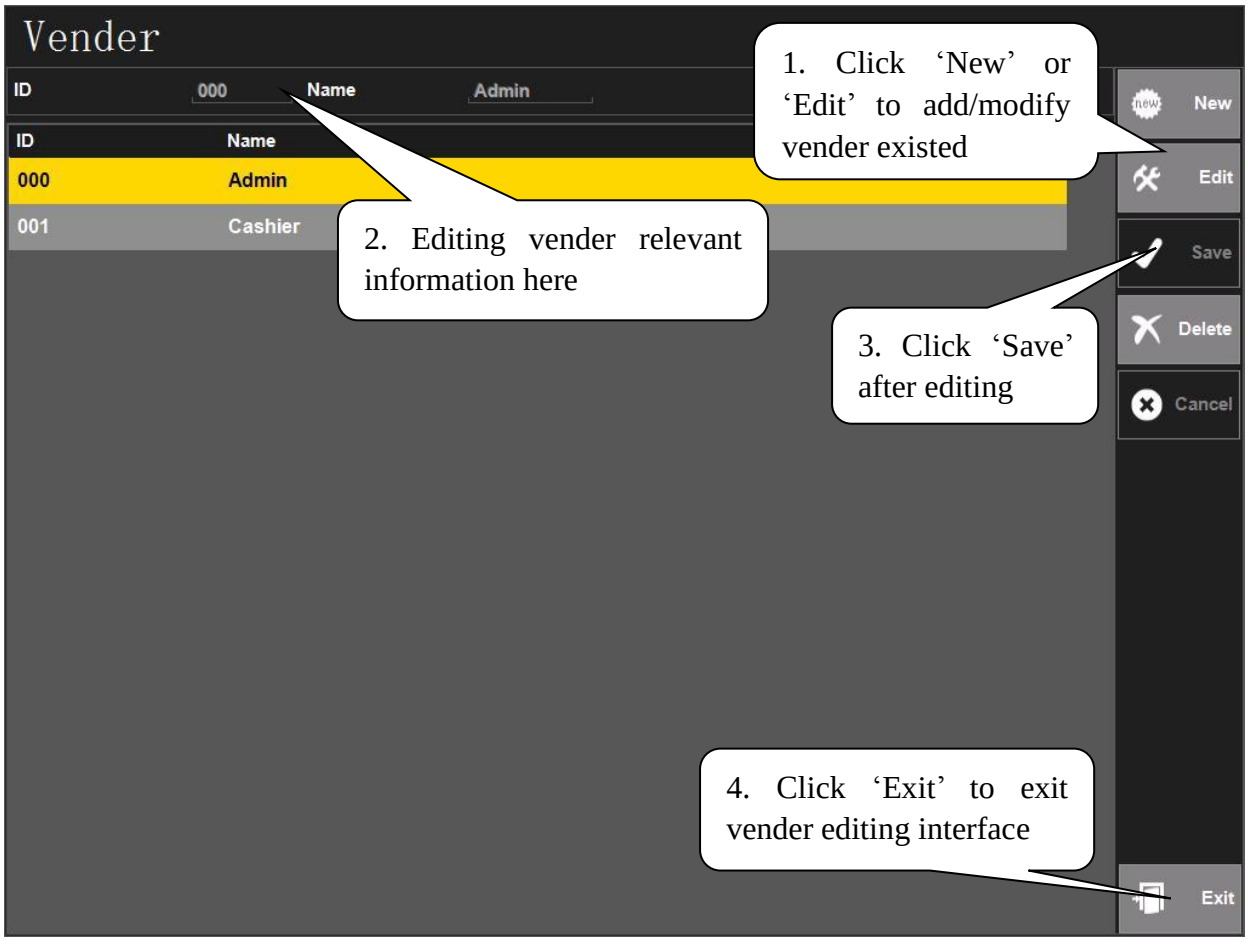


5.2.4.4. Department

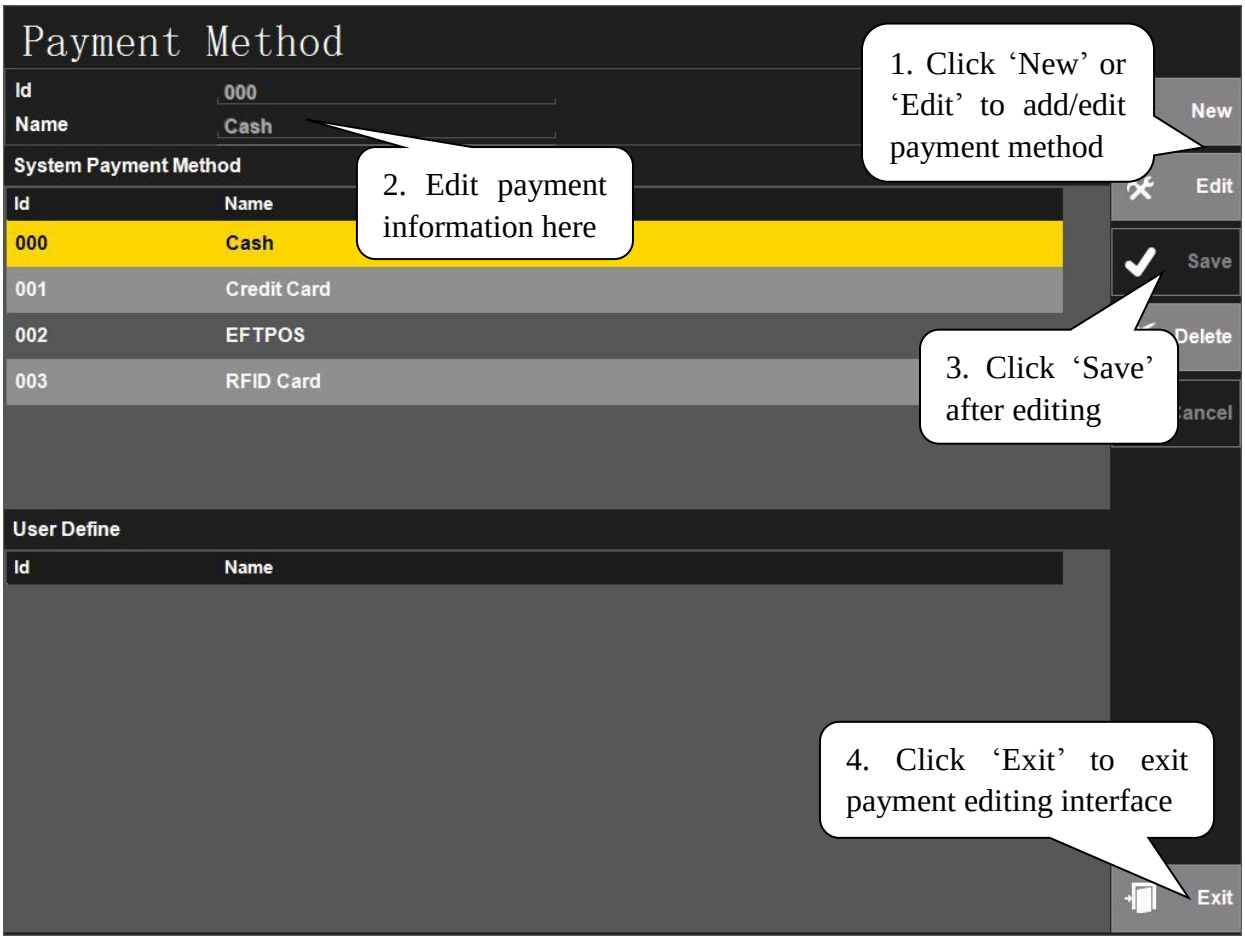


5.2.4.5. Vender Authority

5.2.4.6. Vender

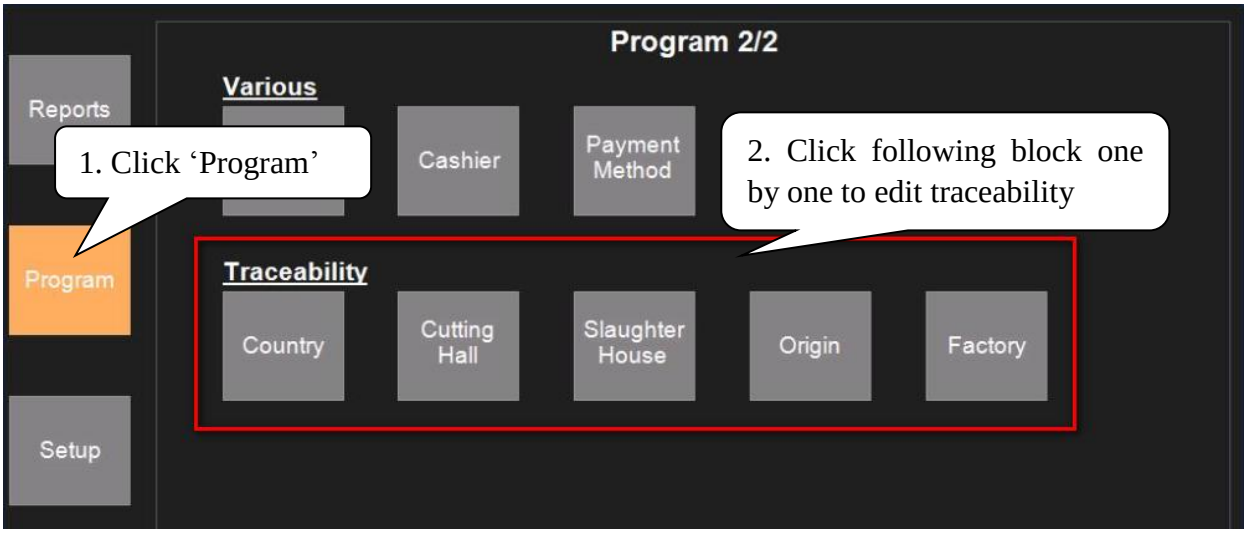


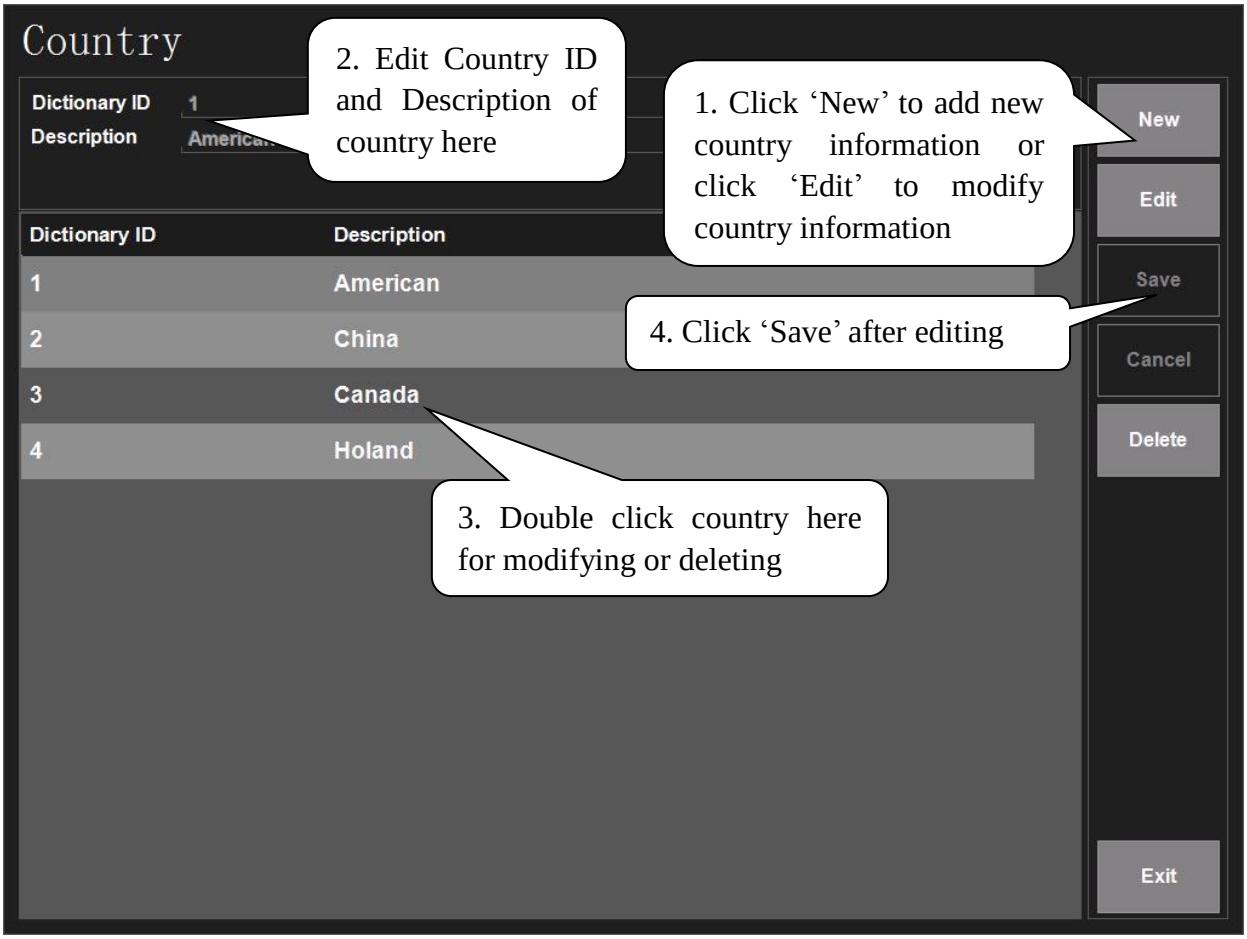
5.2.4.7. Payment Method



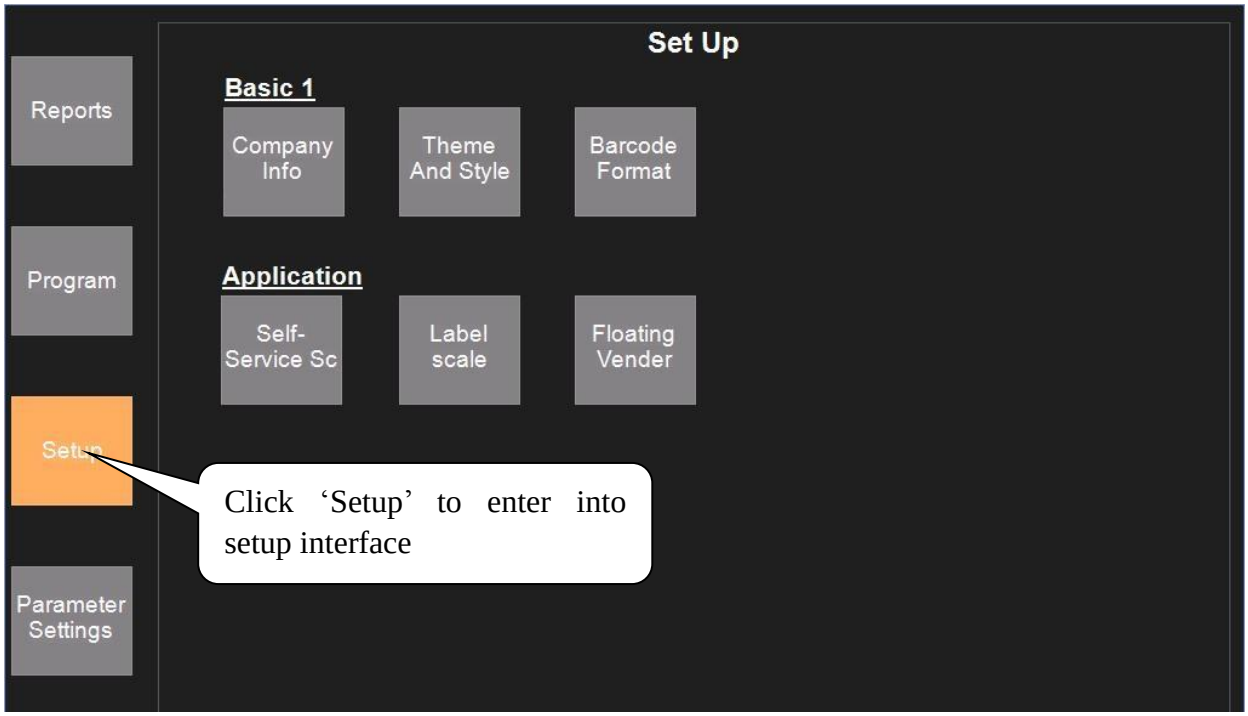
5.2.5. Traceability

Under 'Program' interface, click 'Country', 'Cutting Hall', 'Slaughter House', 'Origin' and 'Factory' under the 'Traceability' one by one to set the Traceability of Commodities. The steps of all the 5 settings are the same, take editing 'Country' as an example:



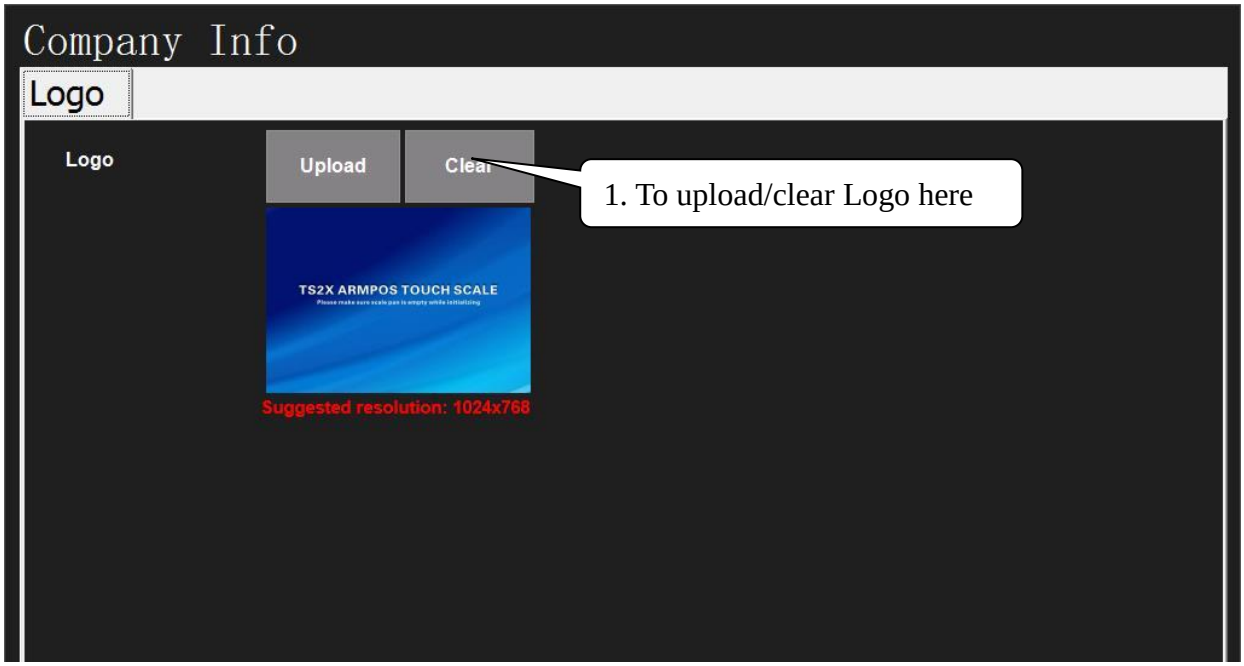

Country
Dictionary ID
Description
2. Edit Country ID and Description of country here
1. Click 'New' to add new country information or click 'Edit' to modify country information
New
Edit
Save
Cancel
Delete
Exit
Dictionary ID
Description
1
American
2
China
3
Canada
4
Holand
4. Click 'Save' after editing
3. Double click country here for modifying or deleting

5.3. Setup

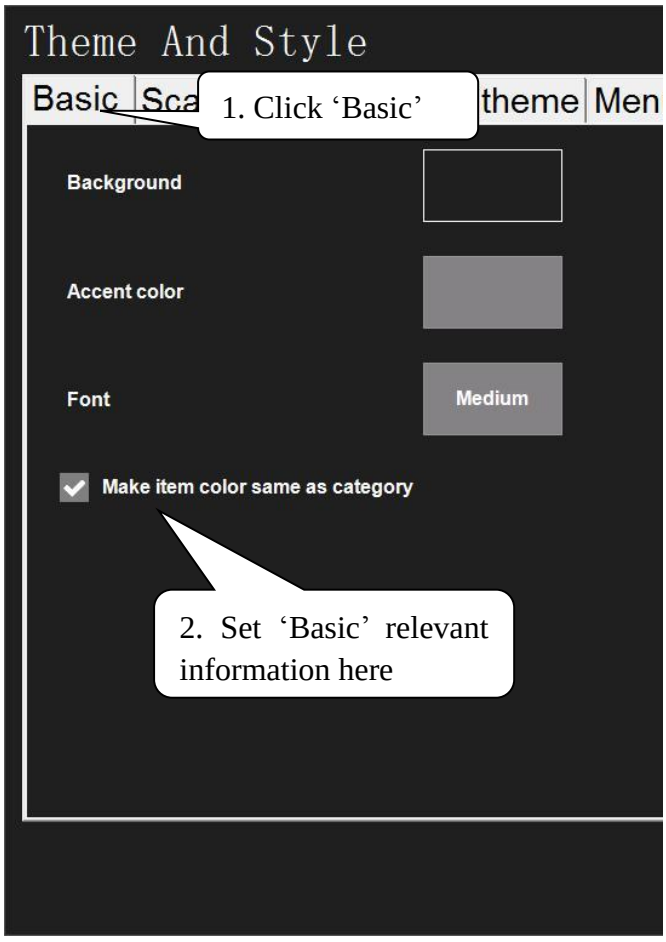

Set Up
Reports
Program
Setup
Parameter Settings
Basic 1
Company Info
Theme And Style
Barcode Format
Application
Self-Service Sc
Label scale
Floating Vender
Click 'Setup' to enter into setup interface

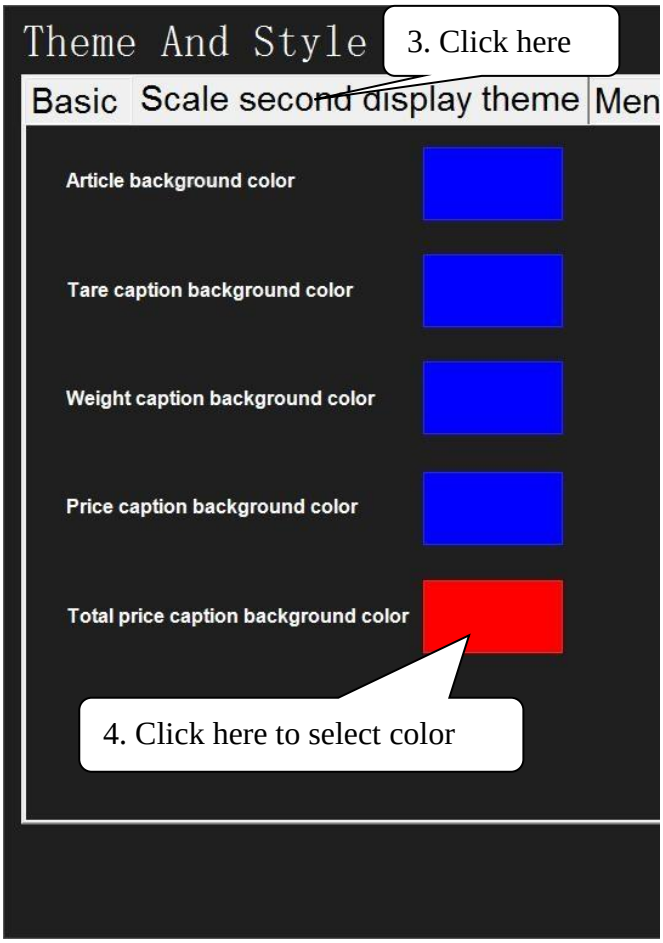
5.3.1. Basic

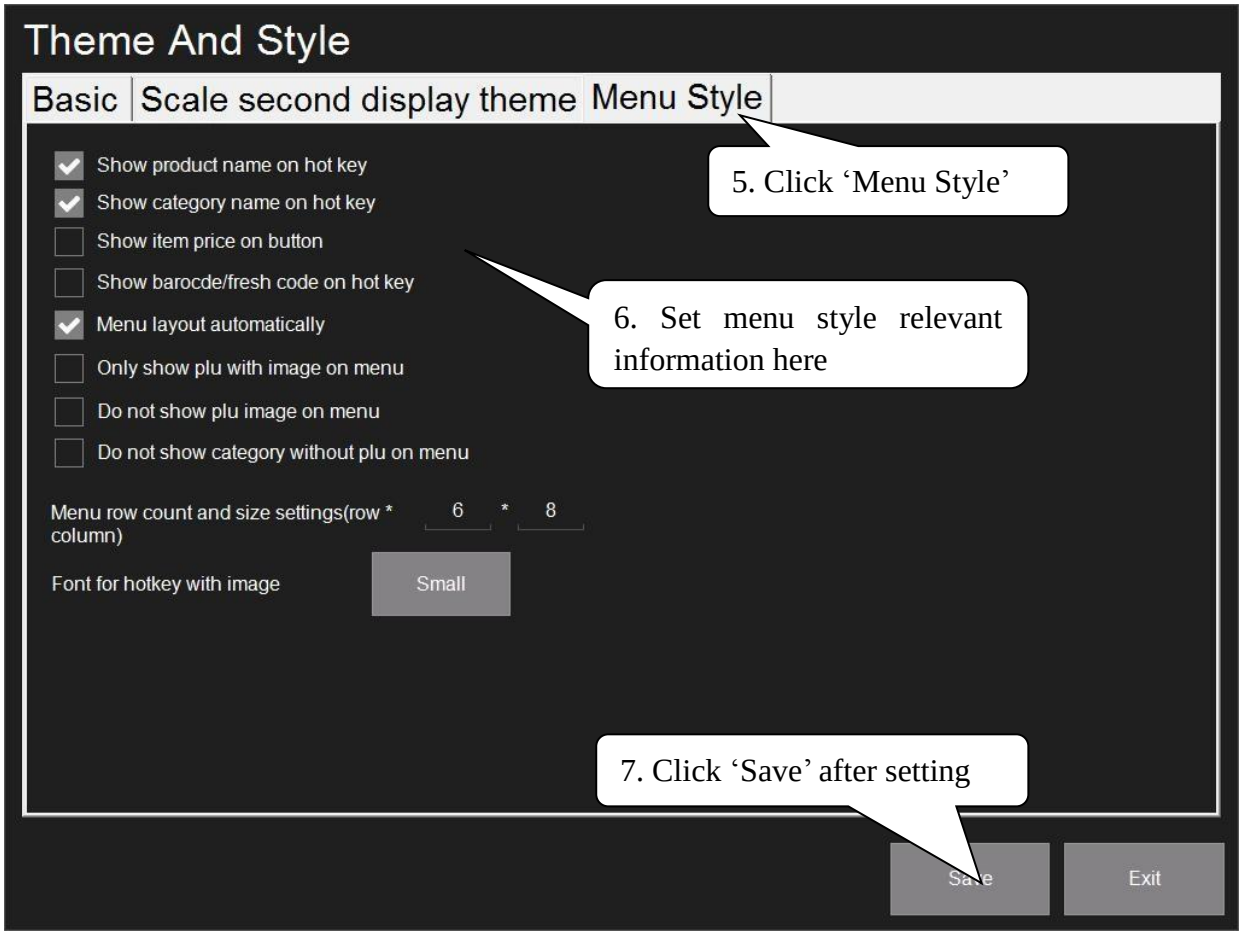
5.3.1.1. Company Info



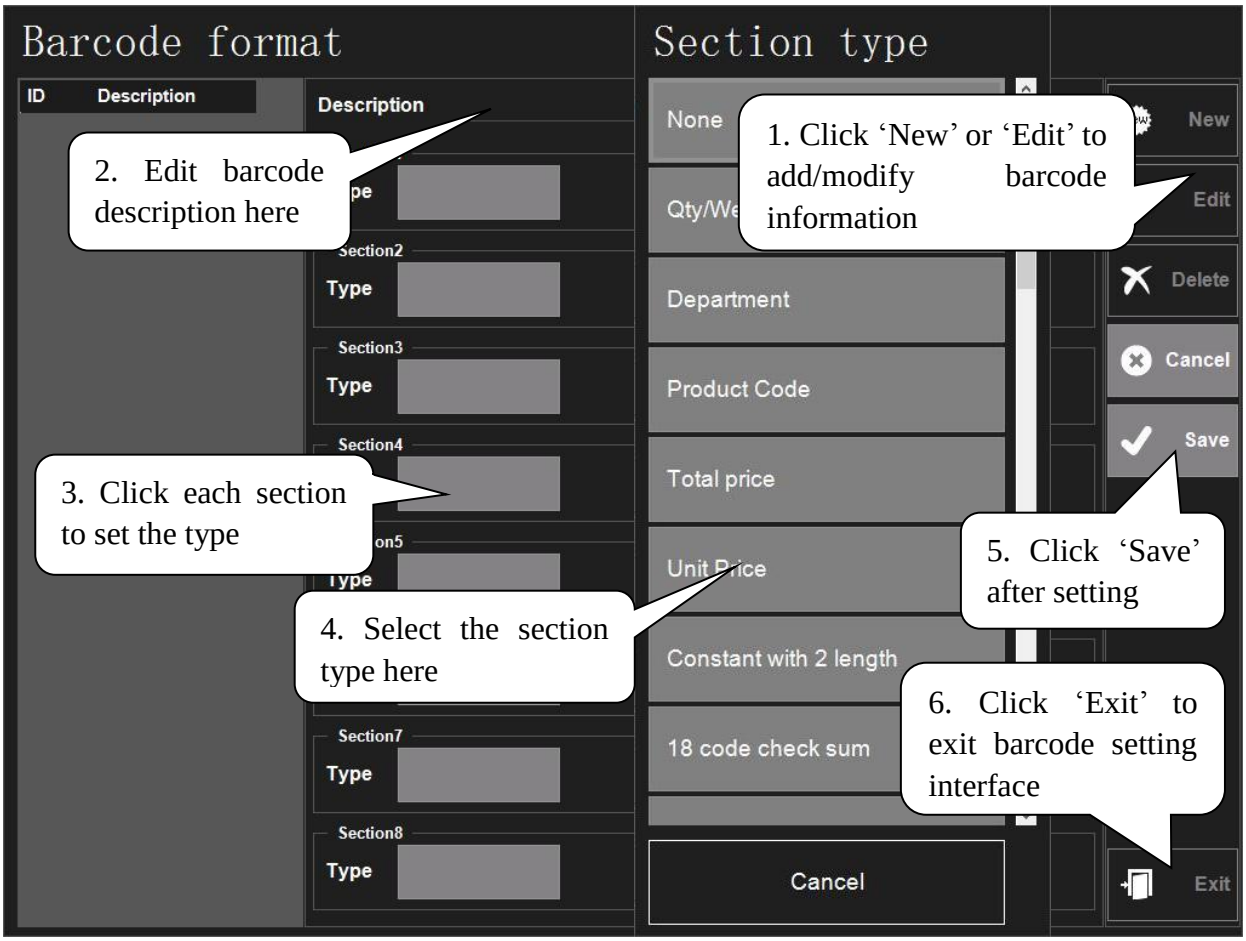
5.3.1.2. Theme and Style



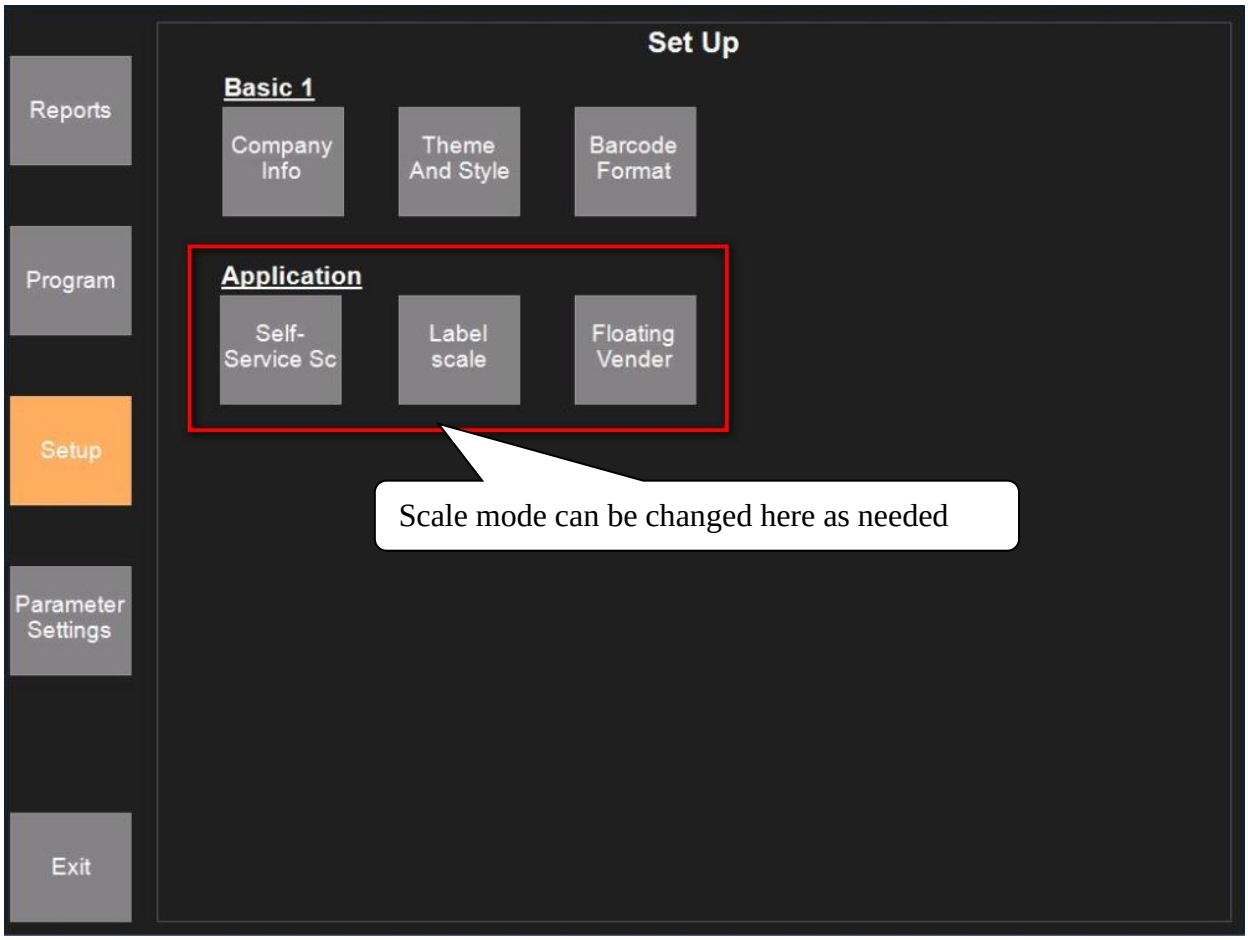




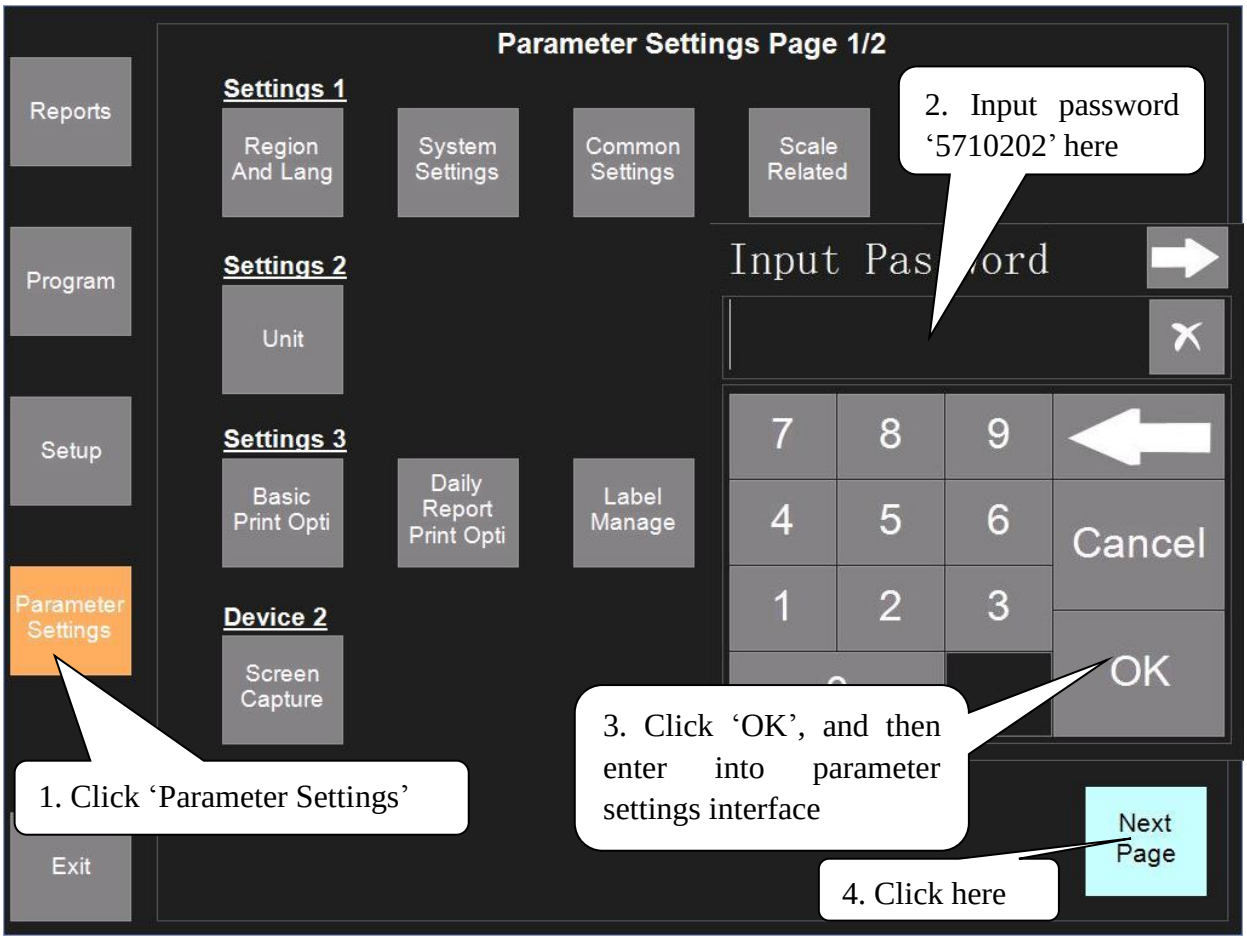
5.3.1.3. Barcode Format

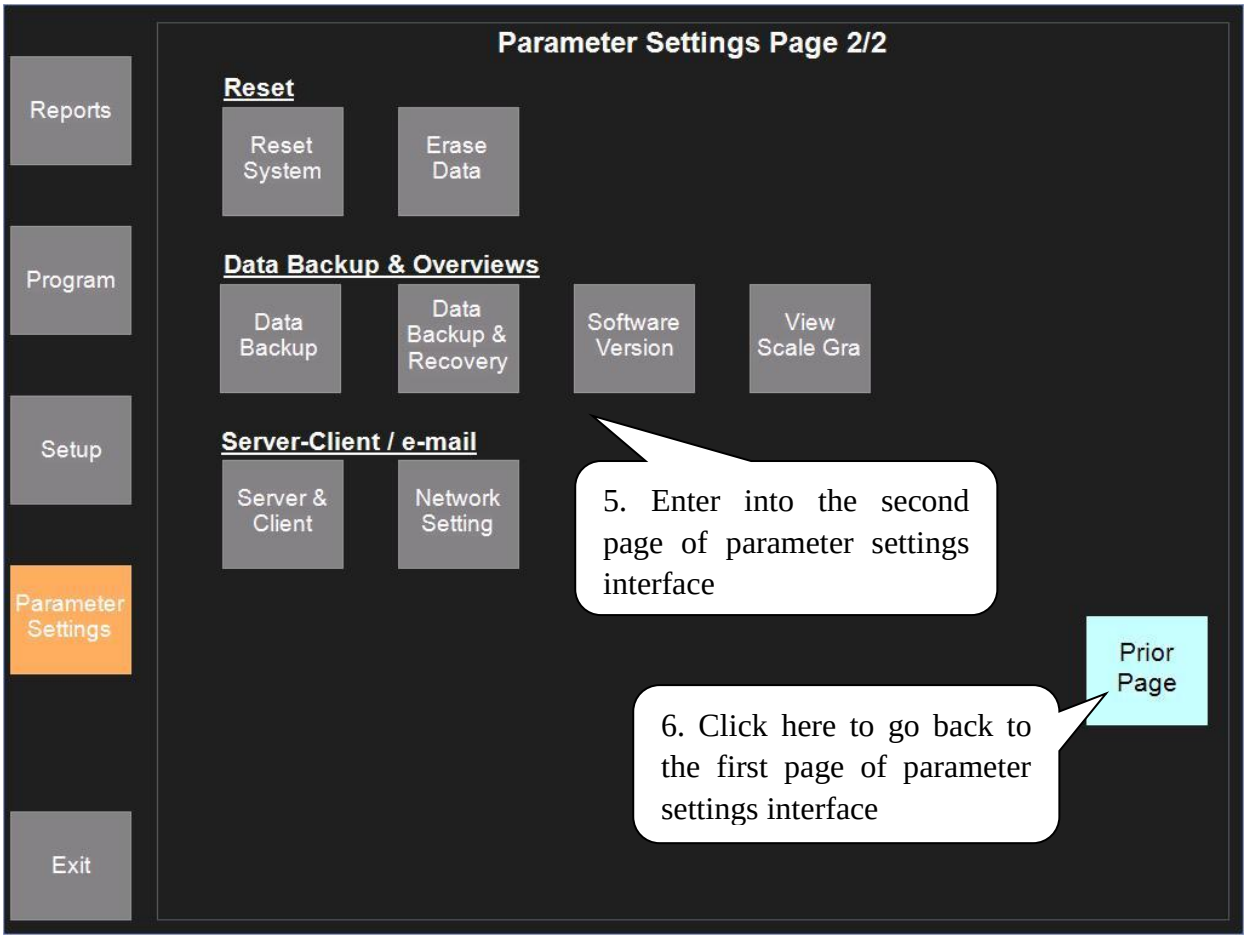


5.3.2. Application



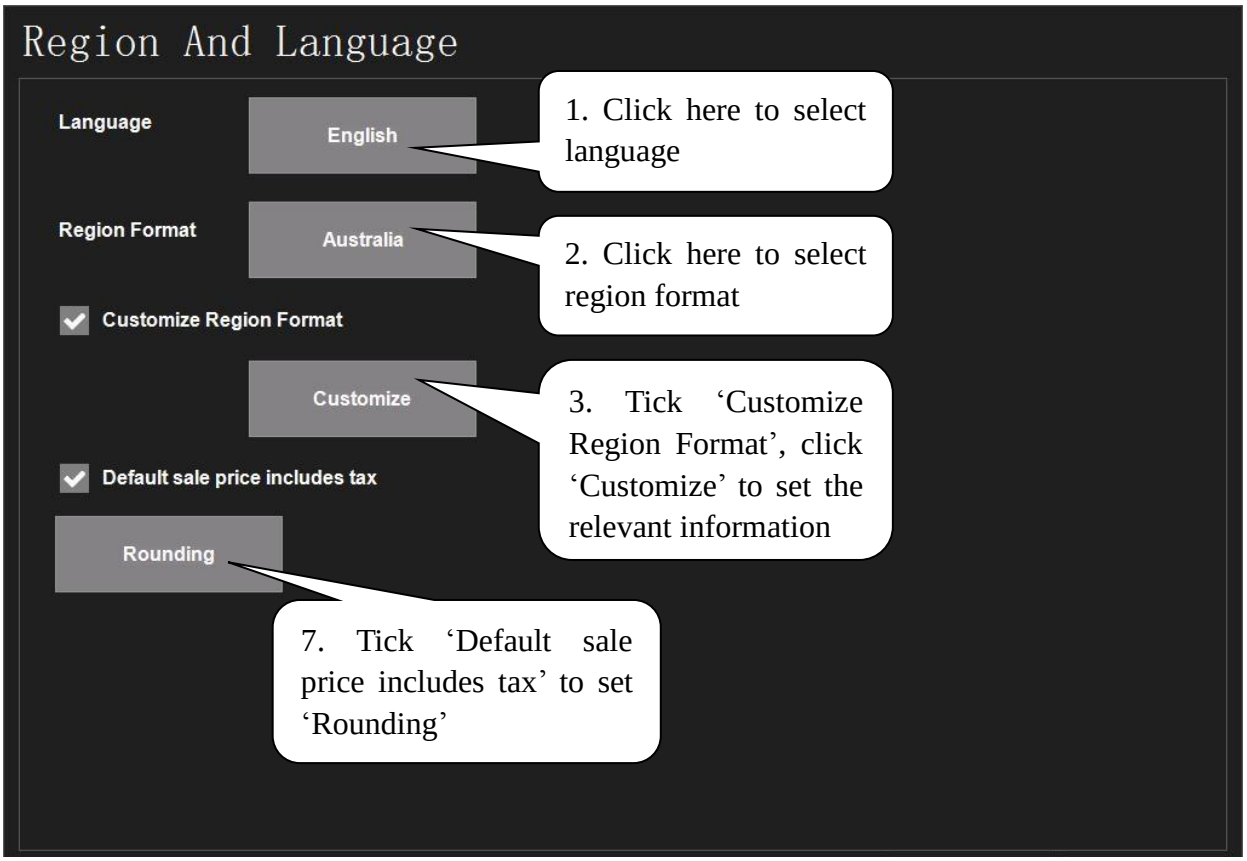
5.4. Parameter Settings

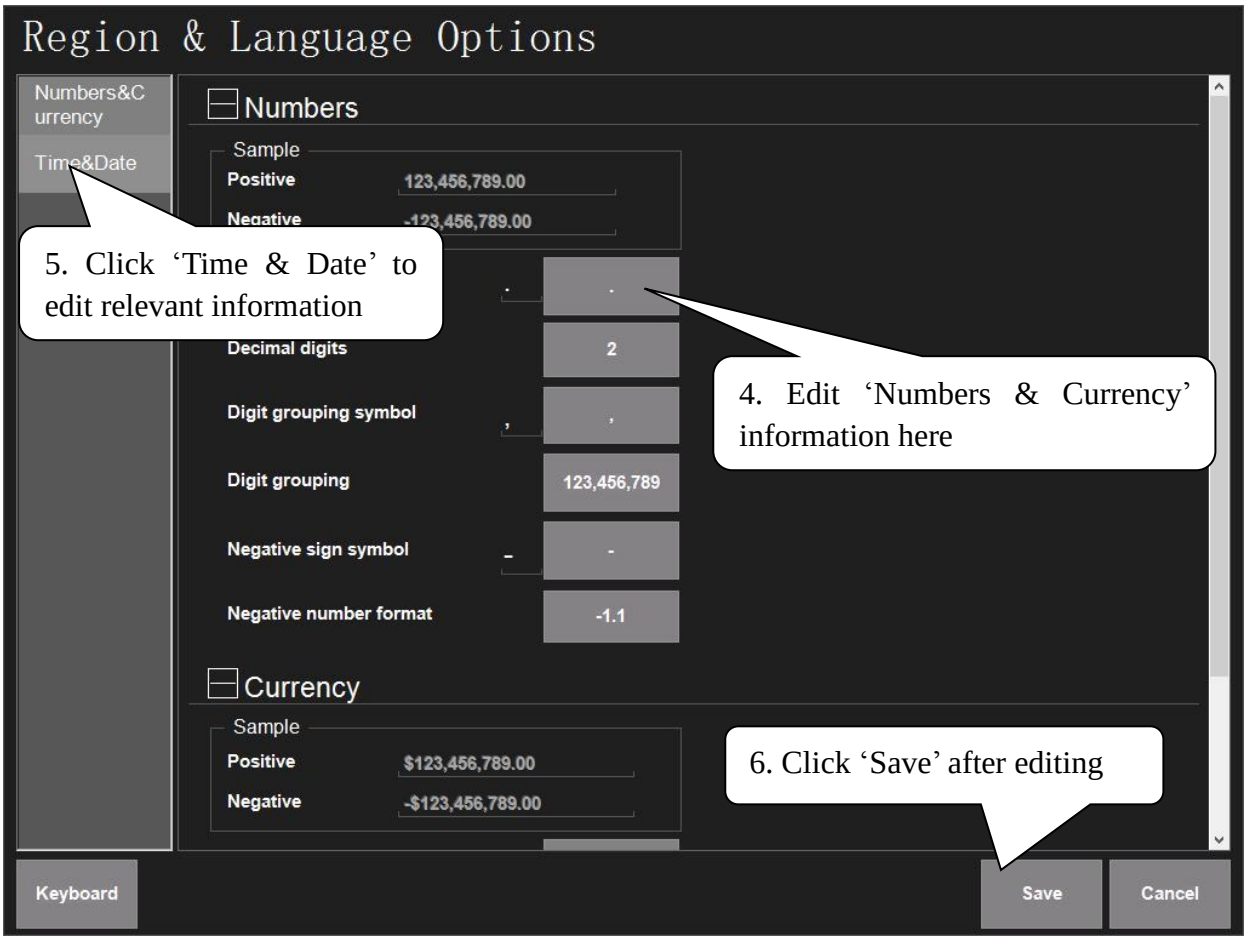




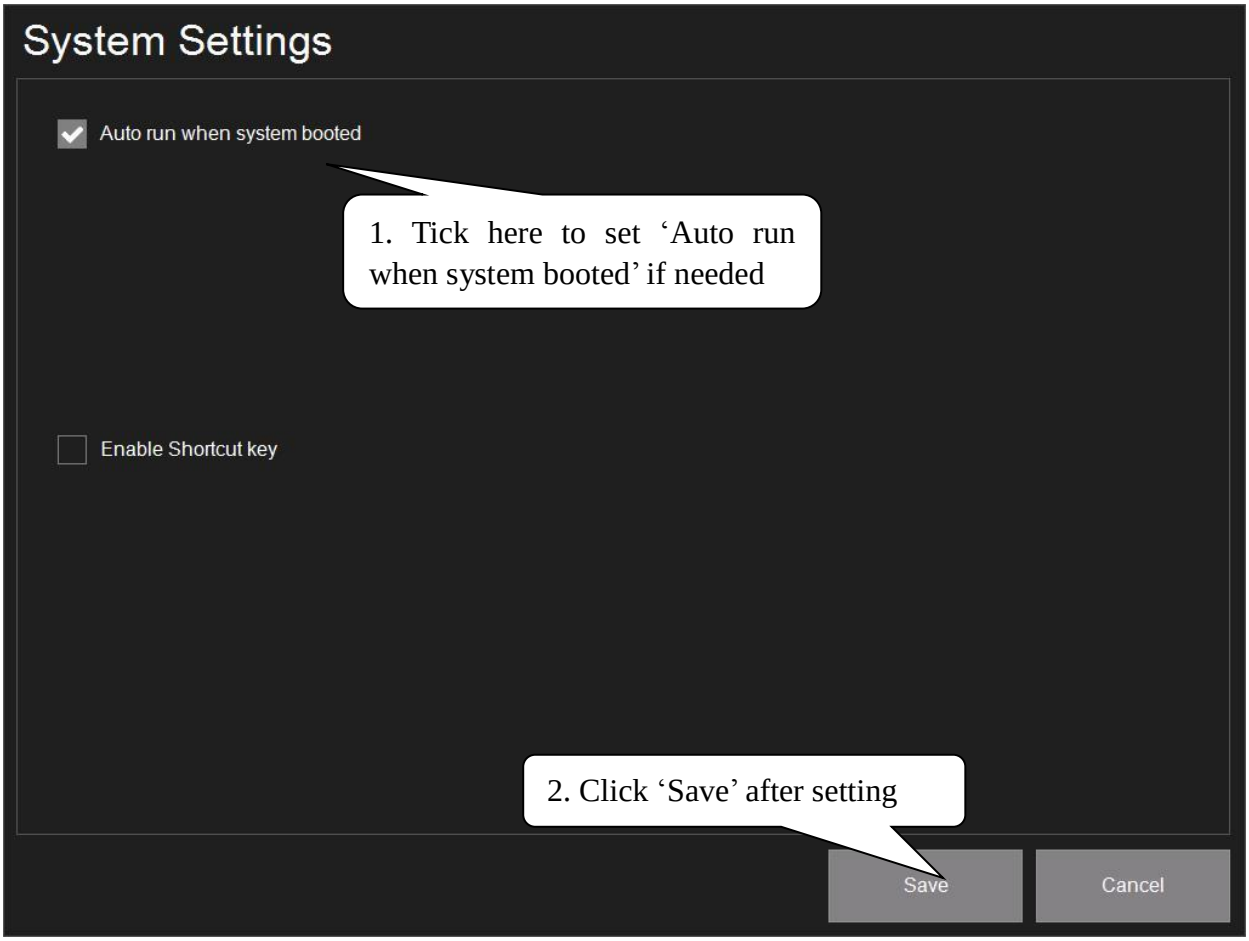
5.4.1. Settings 1

5.4.1.1. Region and Language

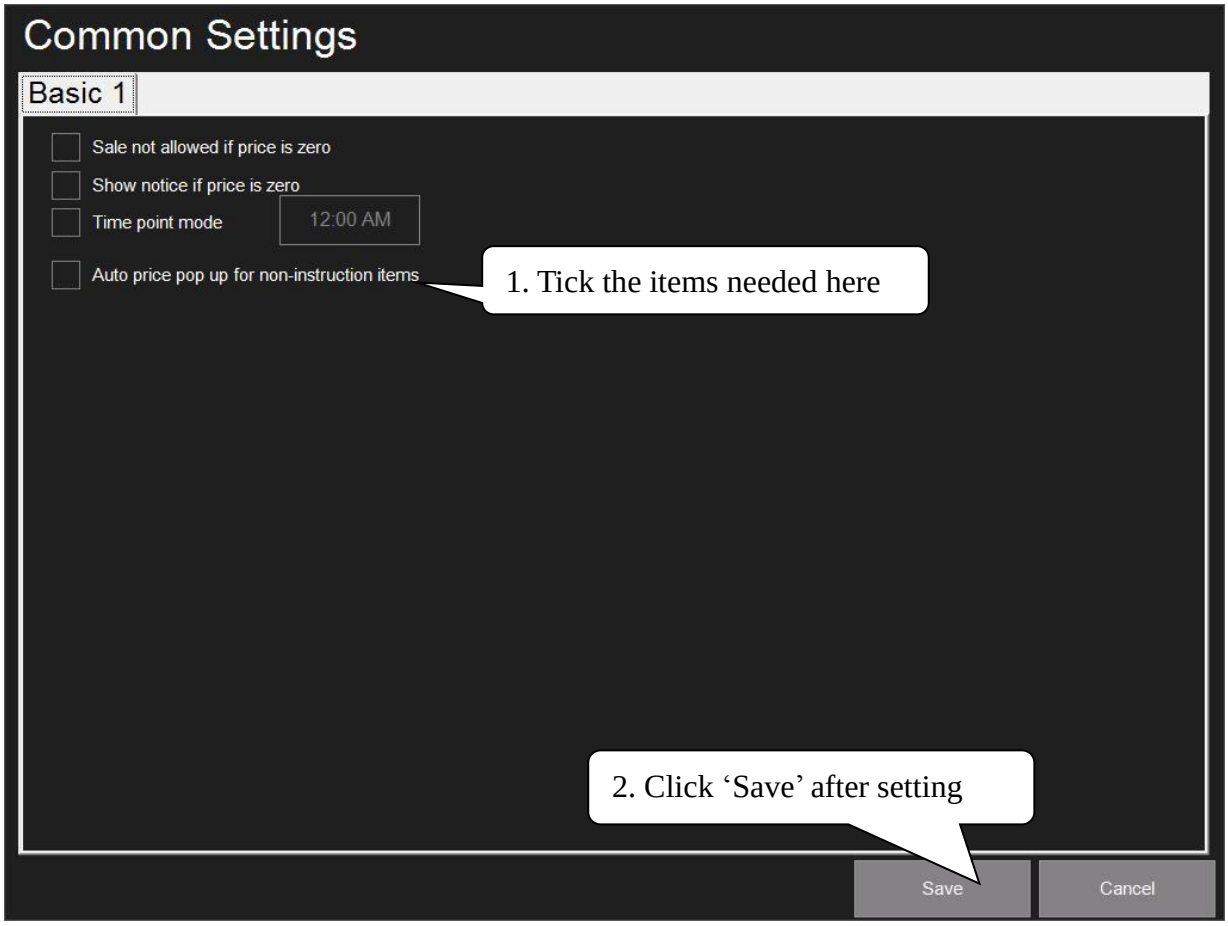




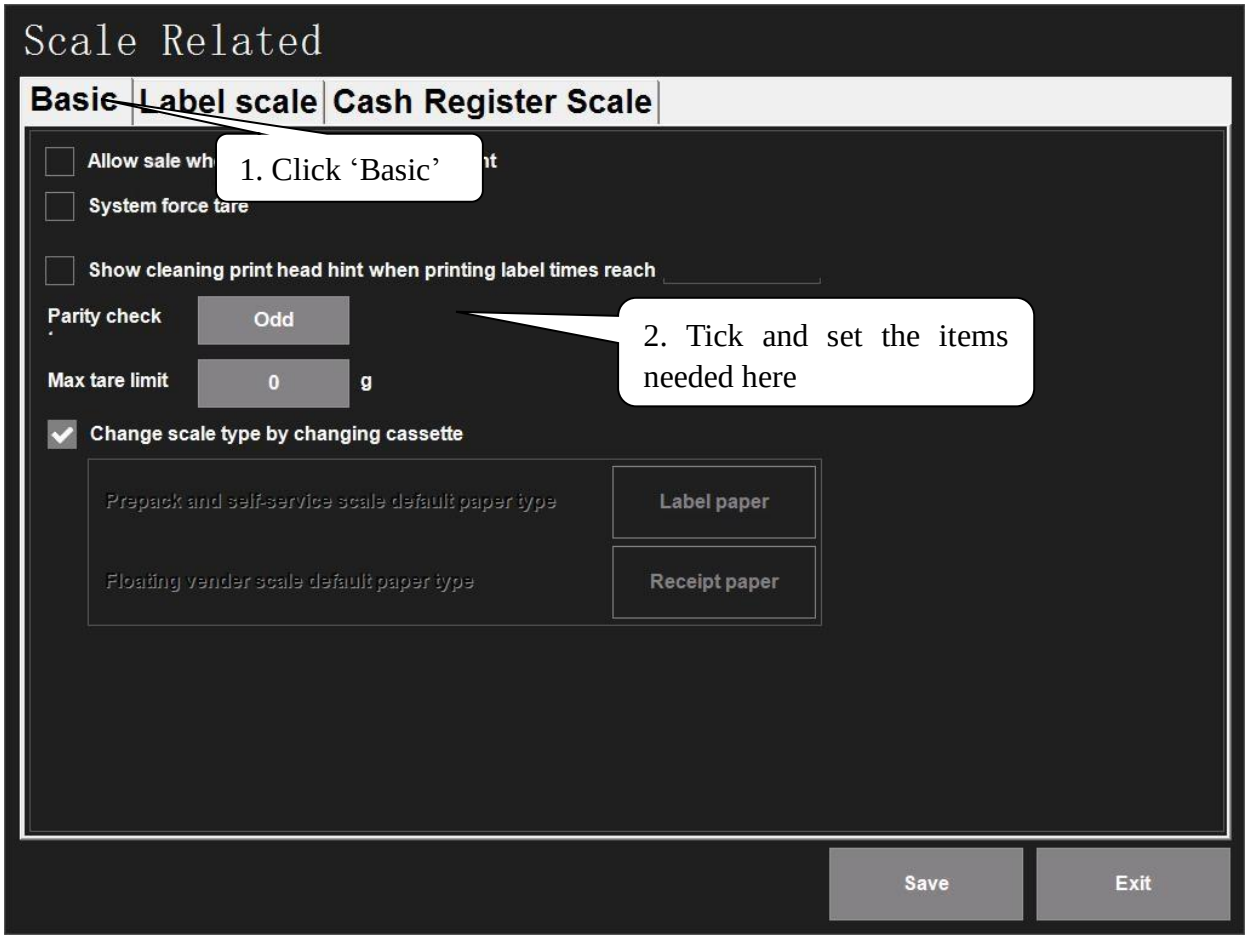
5.4.1.2. System Settings

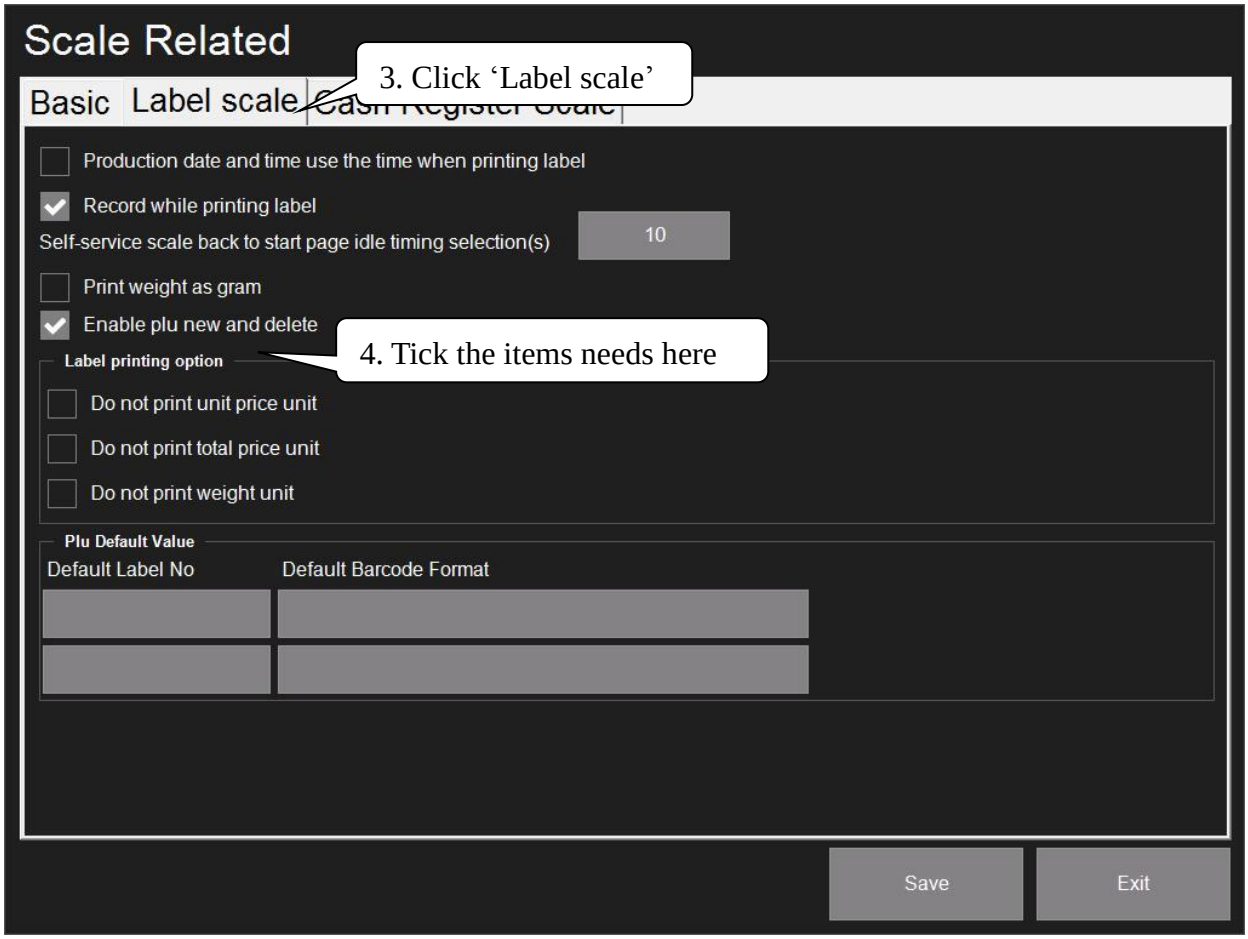


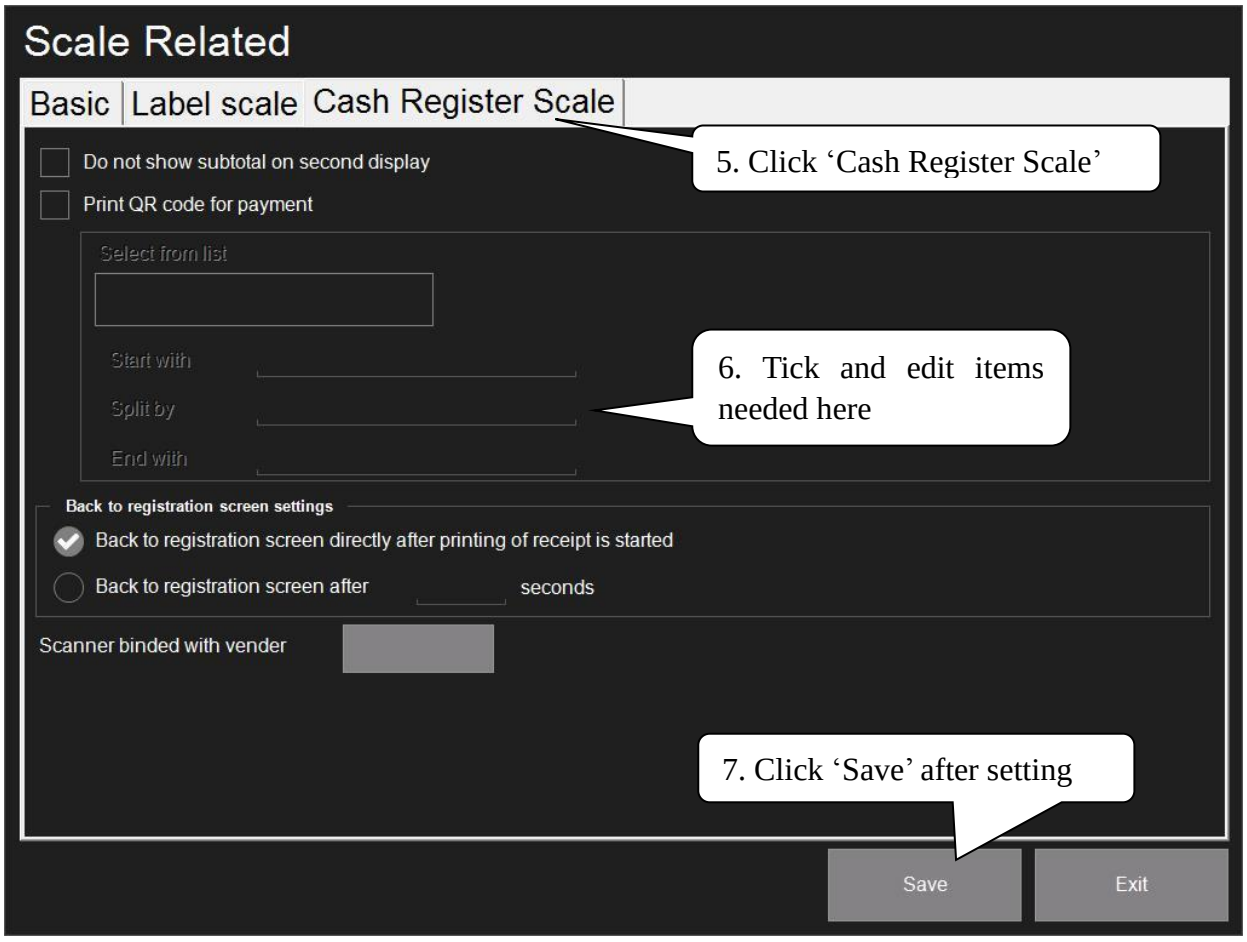
5.4.1.3. Common Settings



5.4.1.4. Scale Related

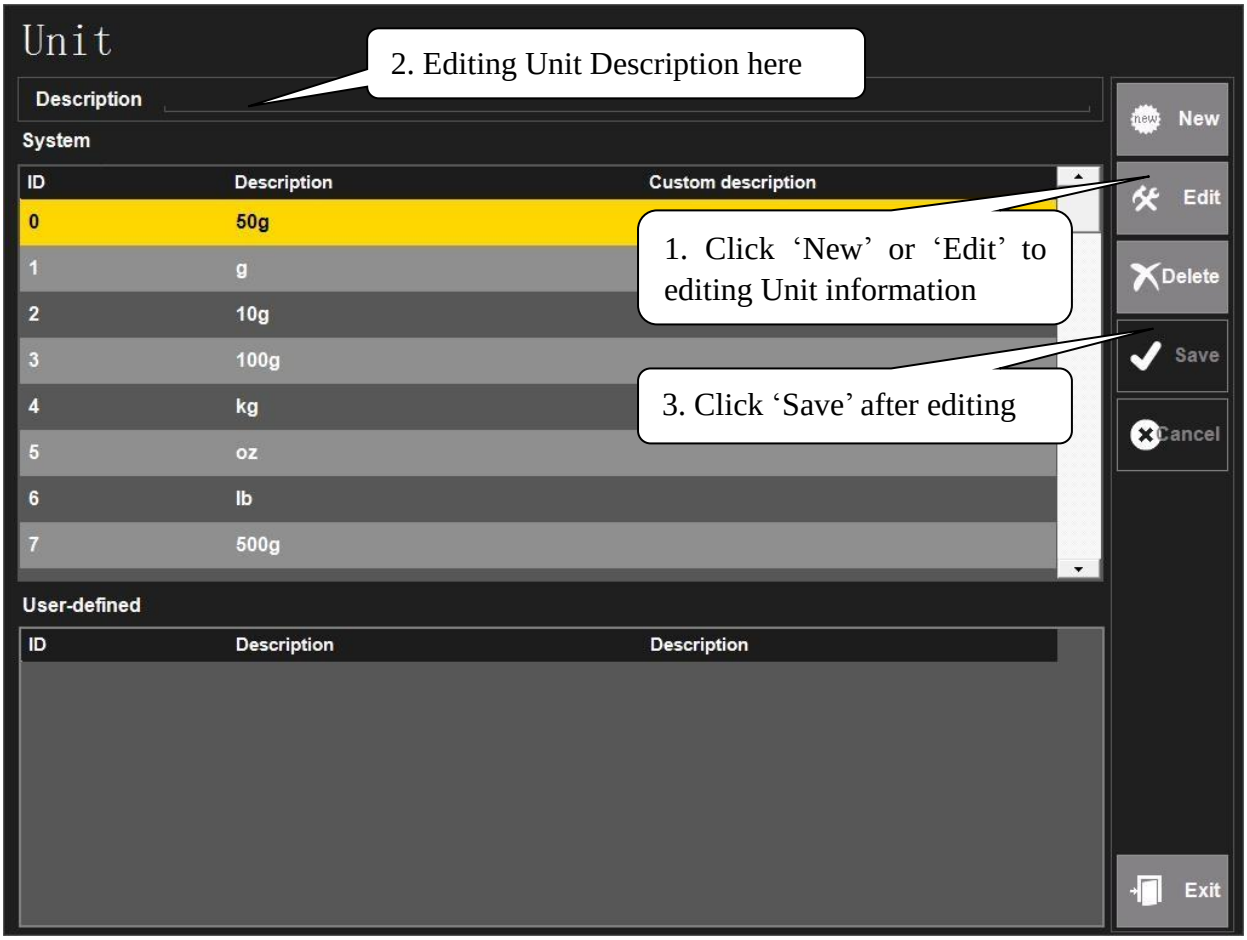



Scale Related
3. Click ‘Label scale’
Basic
Label scale
Production date and time use the time when printing label
Record while printing label
Self-service scale back to start page idle timing selection(s)
10
Print weight as gram
Enable plu new and delete
4. Tick the items needs here
Label printing option
Do not print unit price unit
Do not print total price unit
Do not print weight unit
Plu Default Value
Default Label No
Default Barcode Format
Save
Exit


Scale Related
Basic
Label scale
Cash Register Scale
5. Click ‘Cash Register Scale’
Do not show subtotal on second display
Print QR code for payment
Select from list
Start with
Split by
End with
6. Tick and edit items needed here
Back to registration screen settings
Back to registration screen directly after printing of receipt is started
Back to registration screen after
seconds
Scanner binded with vender
7. Click ‘Save’ after setting
Save
Exit

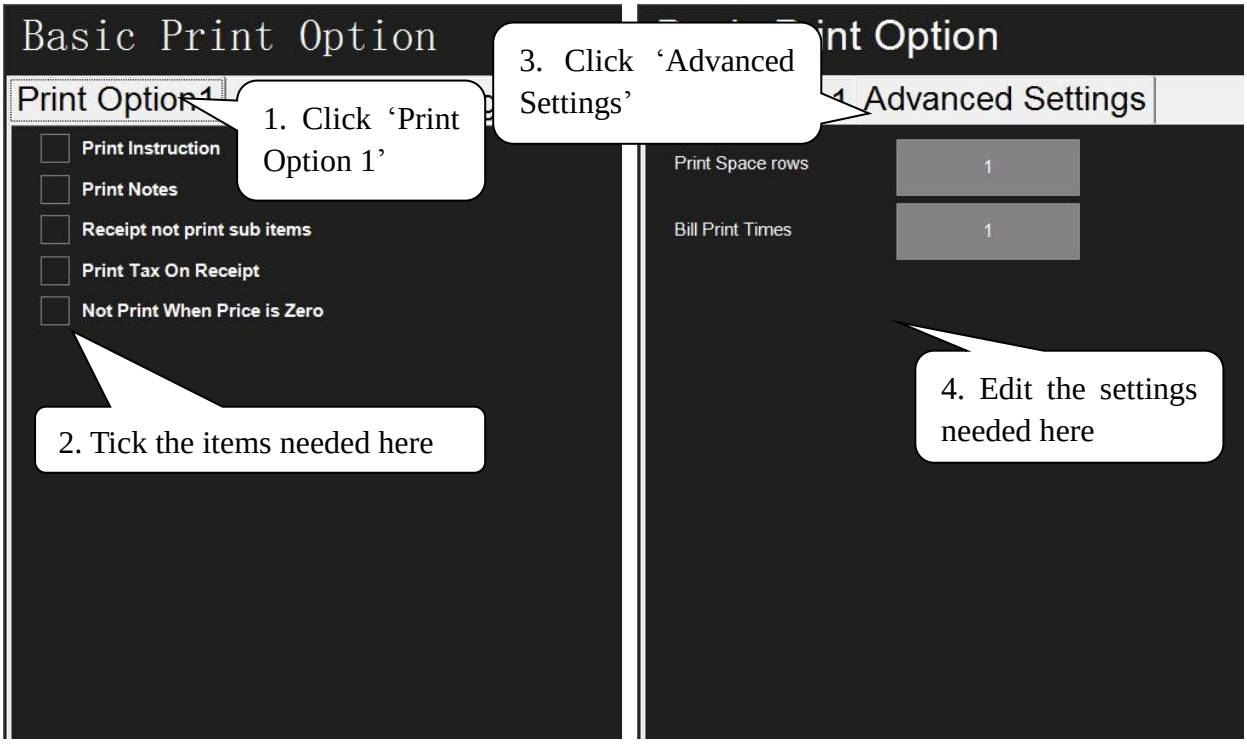
5.4.2. Settings 2

5.4.2.1. Unit

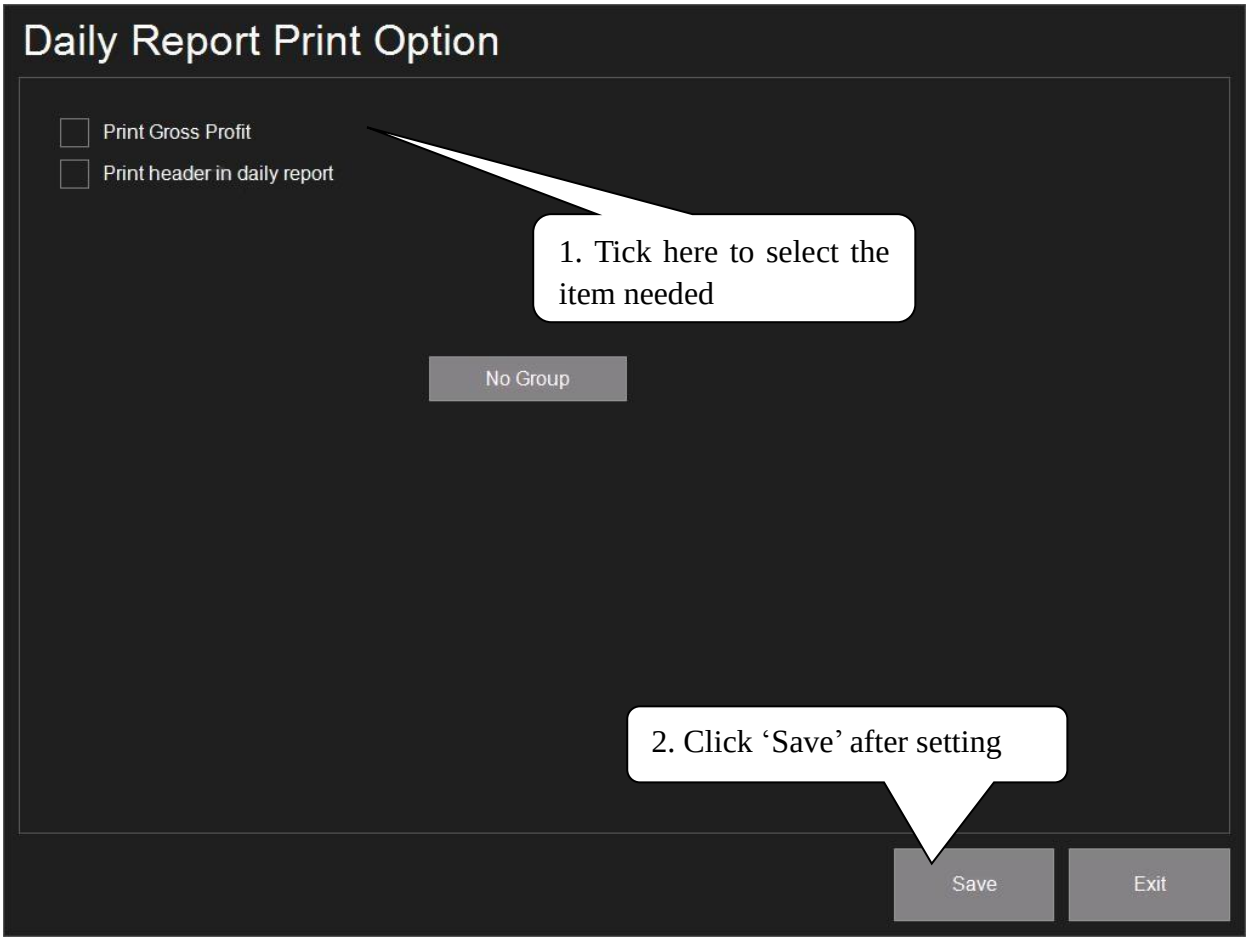


5.4.3. Settings 3

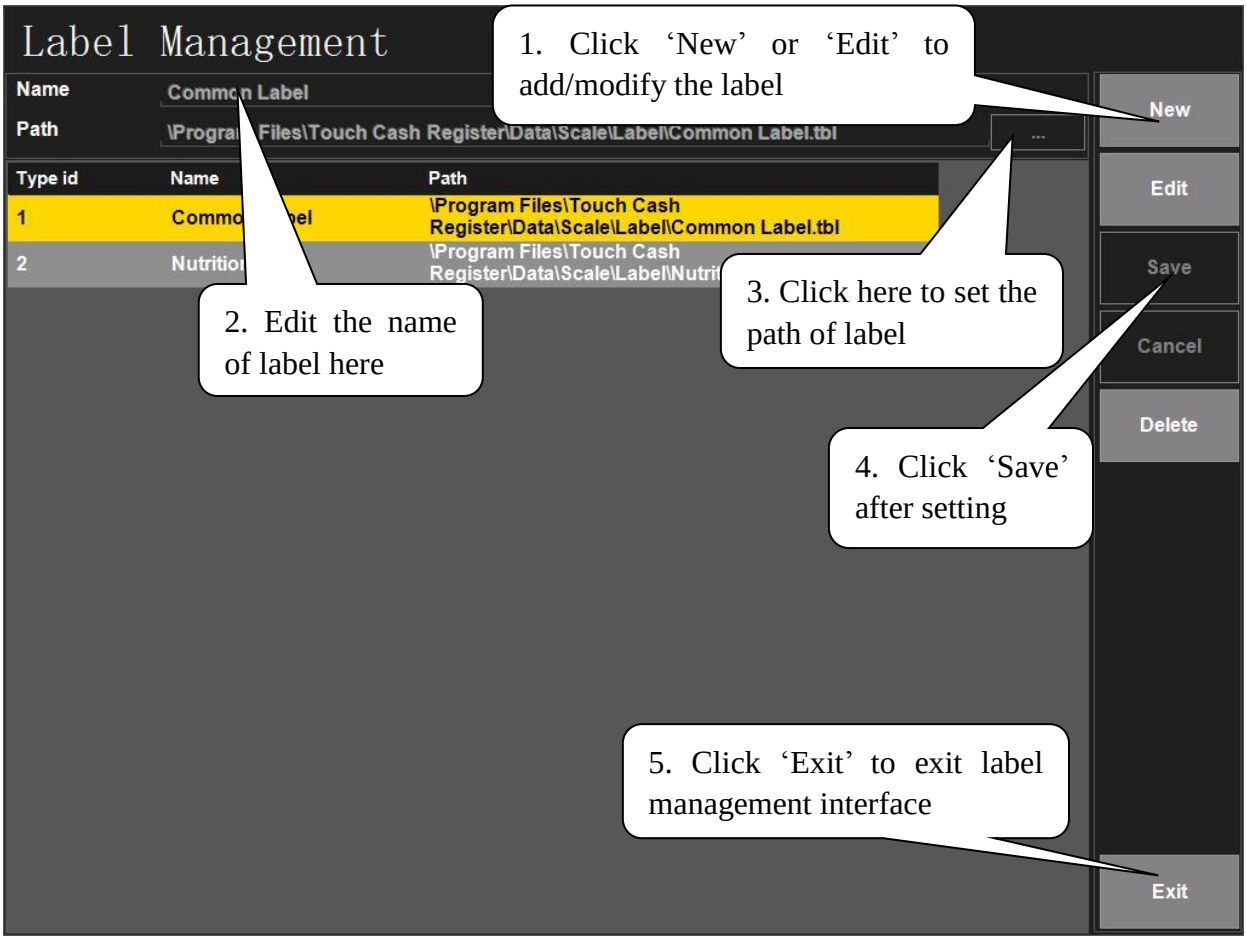
5.4.3.1. Basic Print Option



5.4.3.2. Daily Report Print Option



5.4.3.3. Label Management

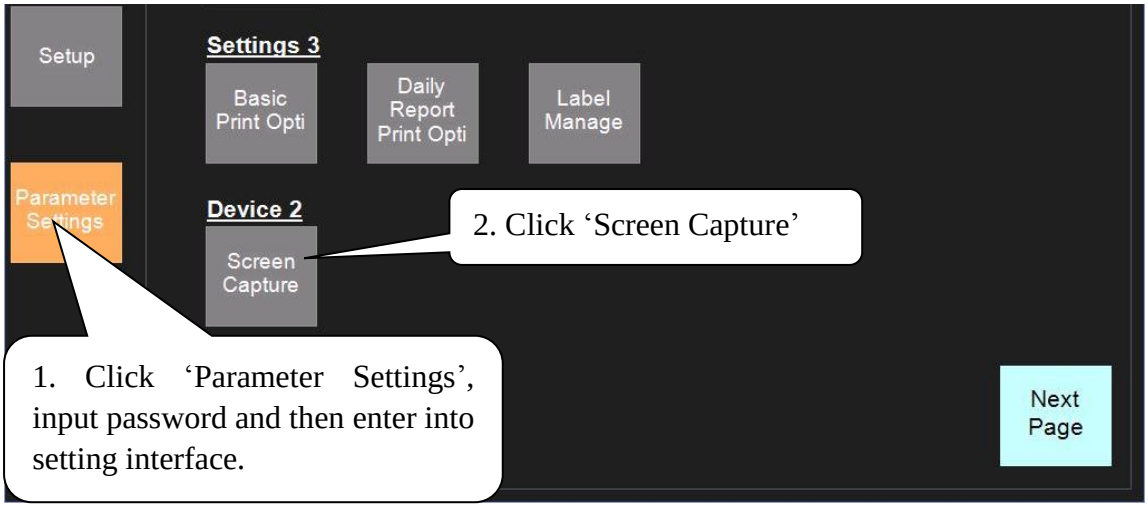


5.4.4. Device 2

5.4.4.1. Screen Capture

This function is for capturing the screen on the scale.

Before capturing the screen, please insert an USB into the USB interface.

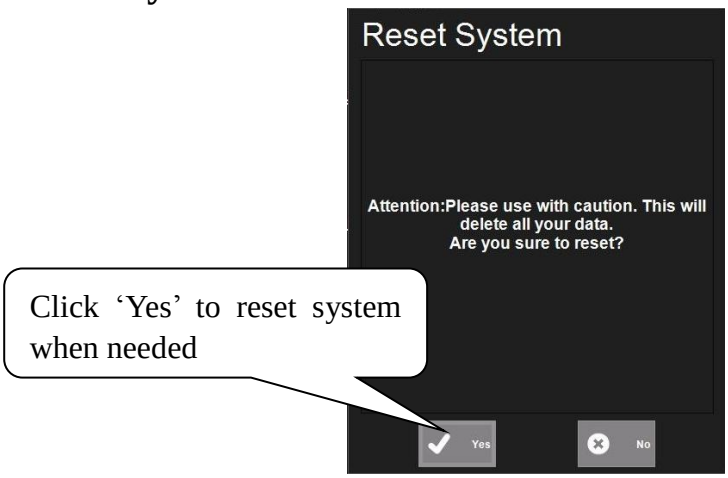


Now there will be a picture of camera on the top left corner on the mainboard interface. Click the camera and the screenshot will be saved to the folder named 'ScreenCaptureImages' in the USB.

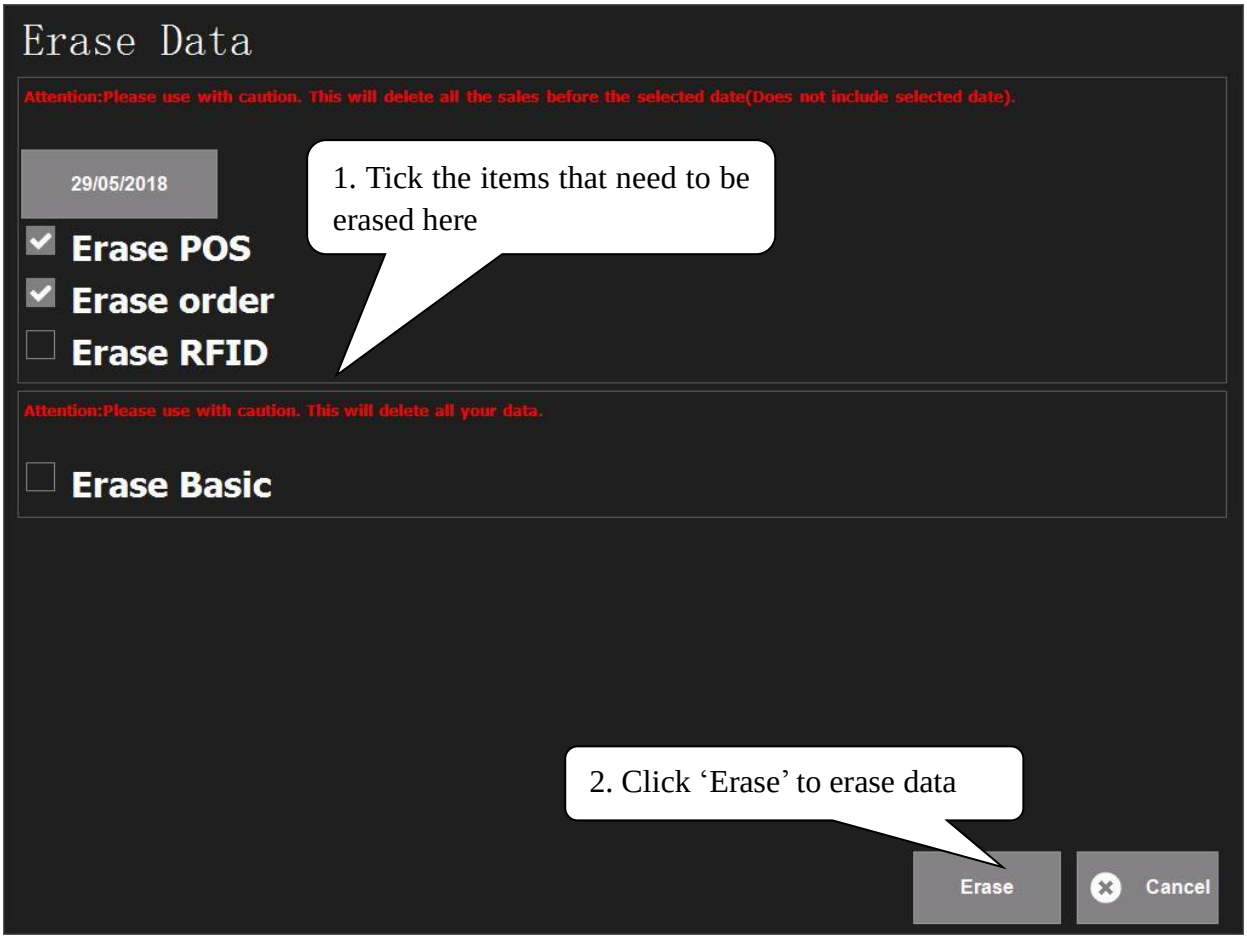
Note: After the operation of Screen Capture, click 'Parameter Settings'—'Screen Capture' again to cancel it, and pull out the USB.

5.4.5. Reset

5.4.5.1. Reset System

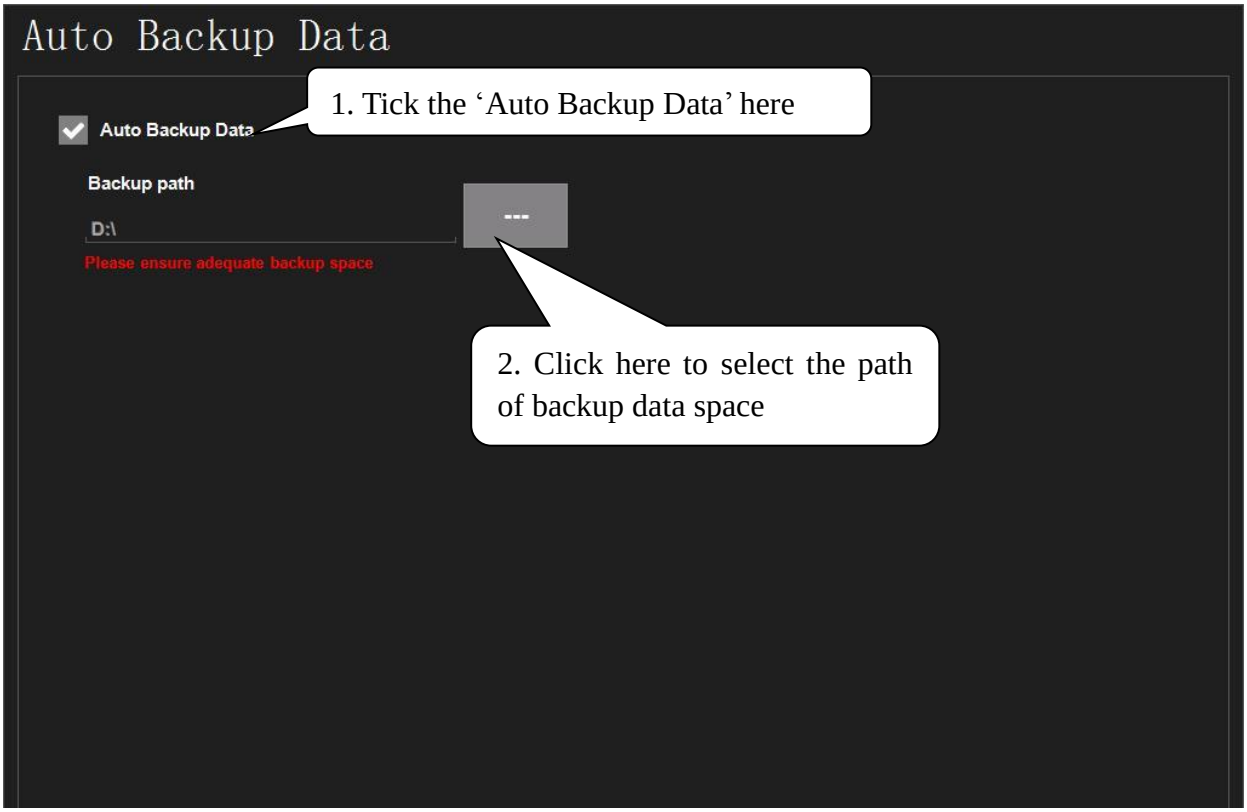


5.4.5.2. Erase Data

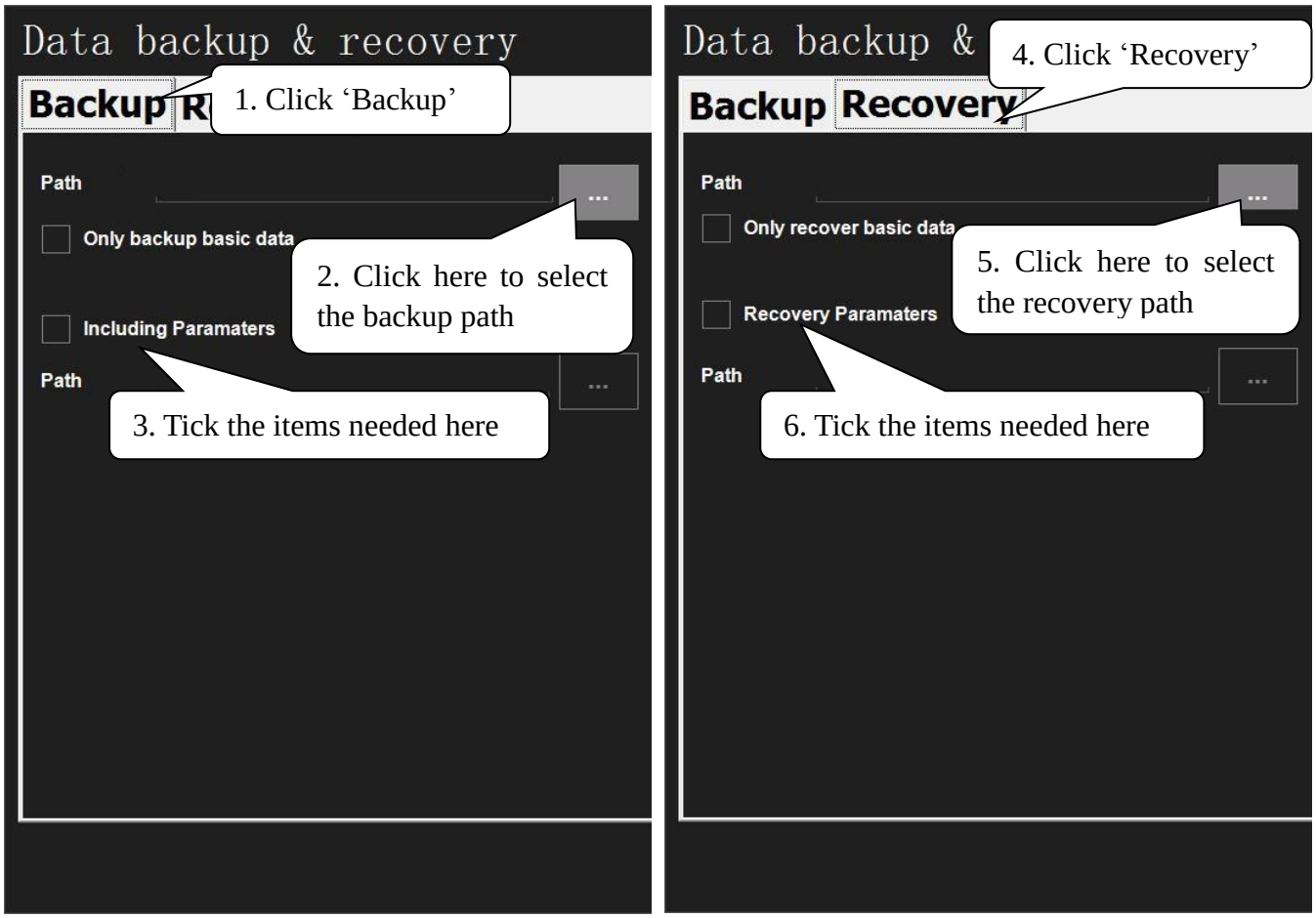


5.4.6. Data Backup & Overviews

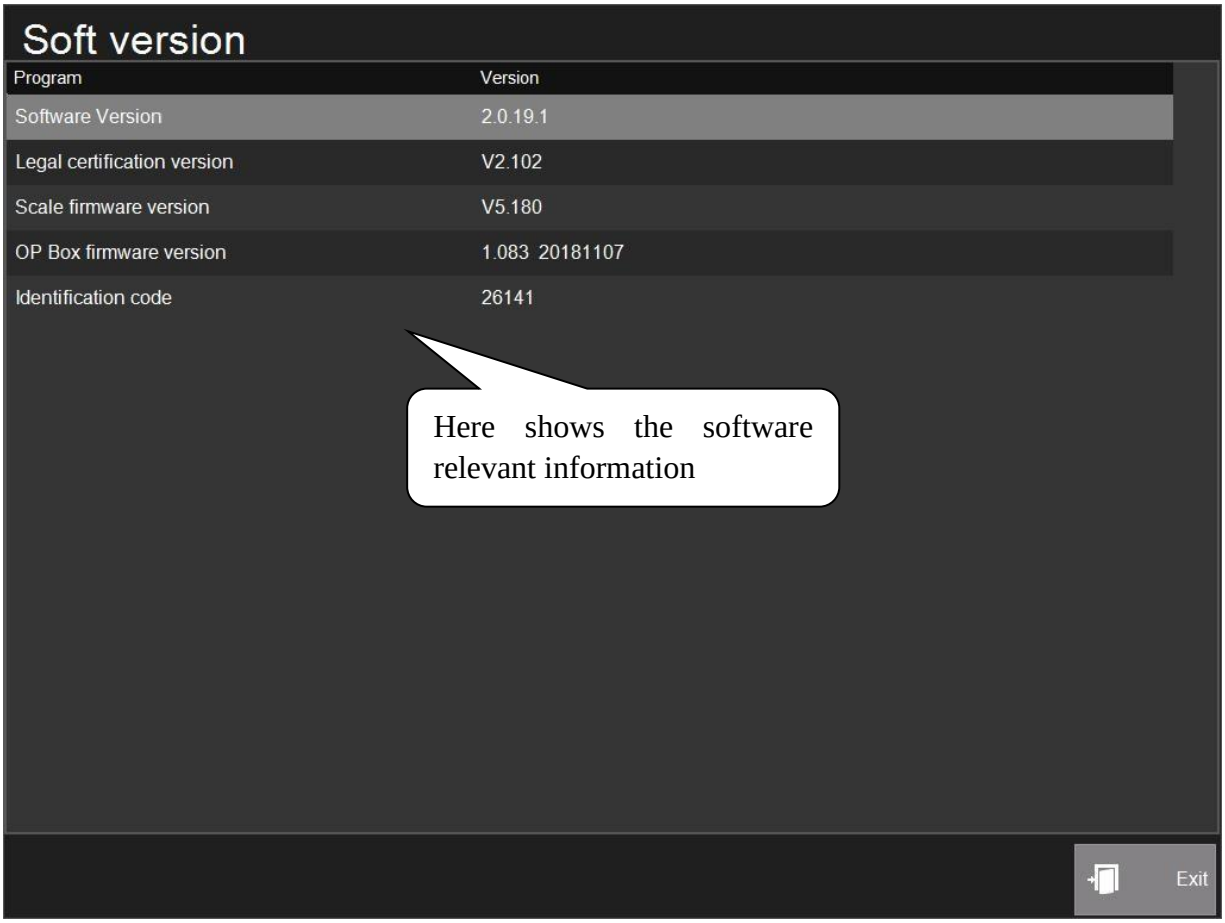
5.4.6.1. Data Backup



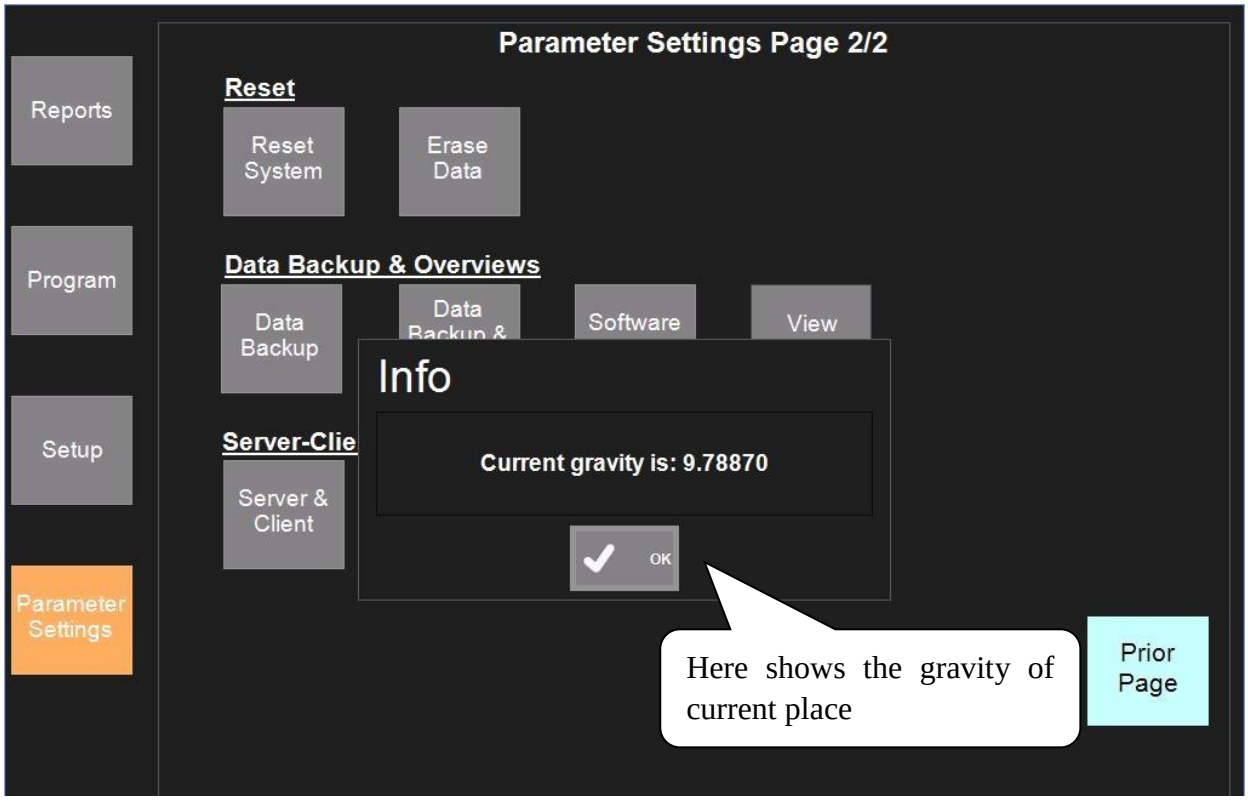
5.4.6.2. Data Backup & Recovery



5.4.6.3. Software Version

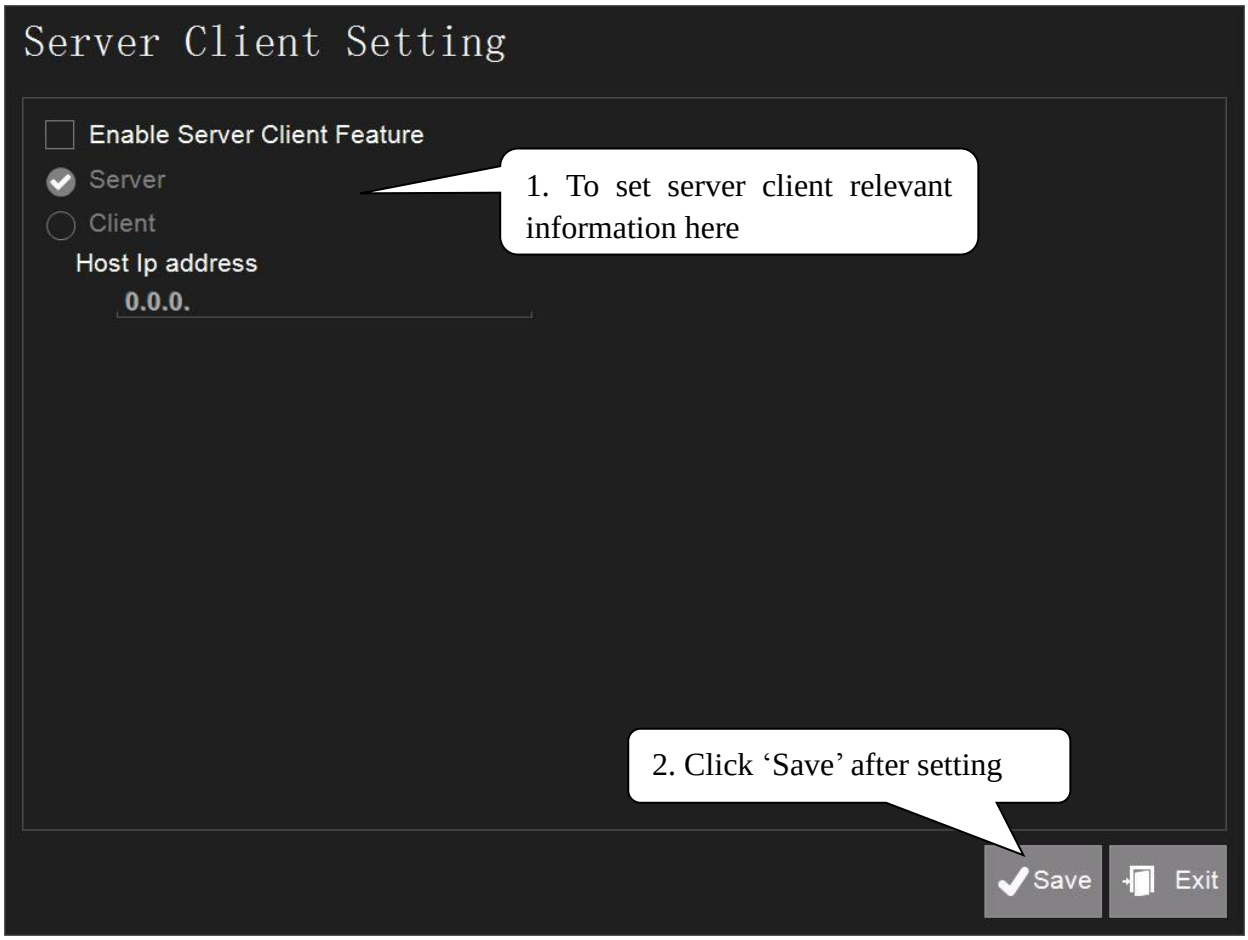


5.4.6.4. View Scale Gravity

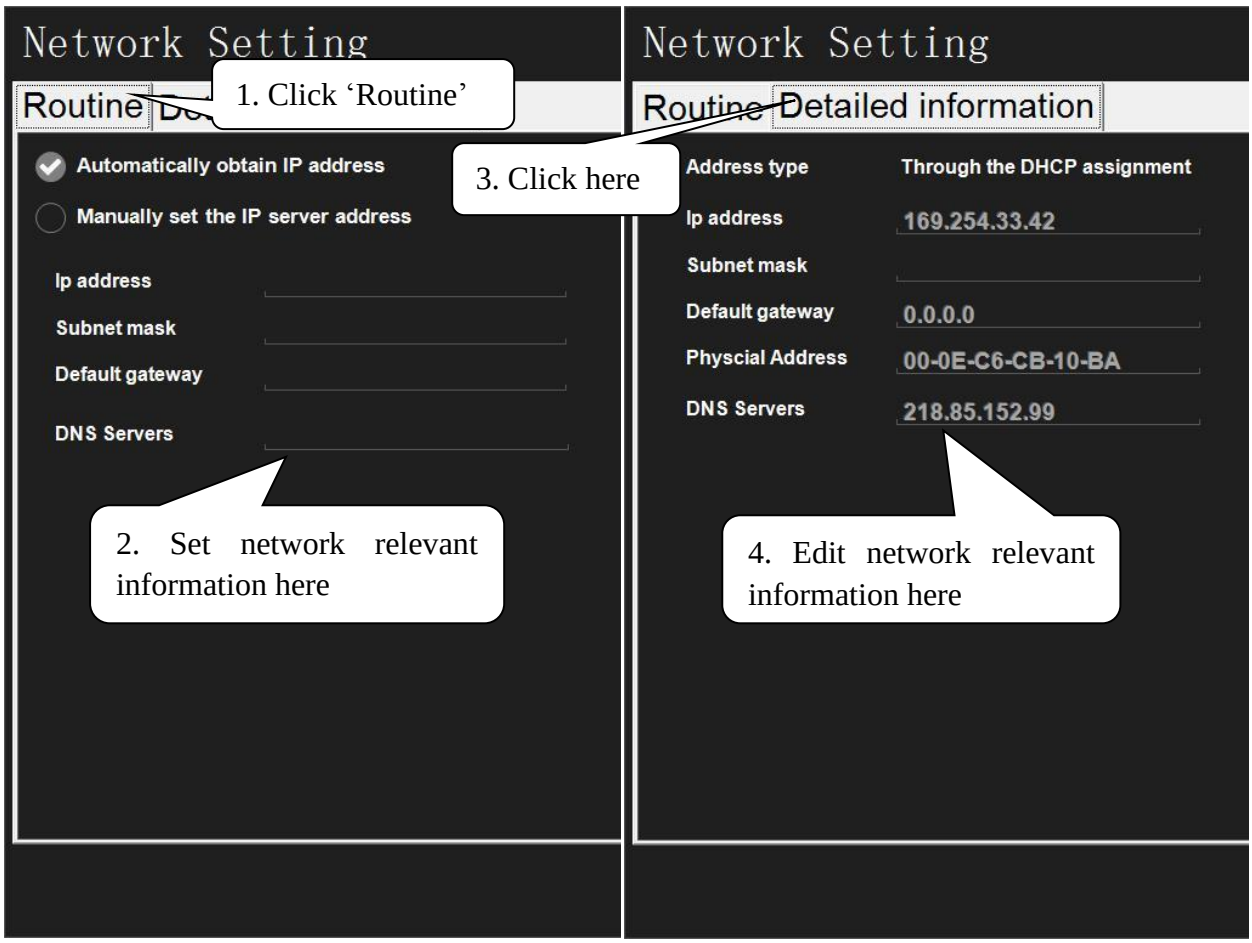


5.4.7. Server-Client / e-mail

5.4.7.1. Server & Client



5.4.7.2. Network Setting



6. Familiar Malfunctions Analysis and Elimination

1. Cannot Turn on the TS5X Terminal

Reasons Analysis:

If the TS5X cannot be turned on after connecting with the power supply, the possible reason may be there are some problems on the power supply.

Solutions:

（1） Firstly please check if the power adapter is electrified.

（2） Please check if the terminal connects with the power adapter well, and then repress the power button.

（3） Bad work situation (high temp. or work too long time) may cause the terminal to turn off automatically. Please wait for a moment before turning it on again to improve the work situation.

（4） If this problem is caused by abrupt power off or illegal turning off, please pull out the power adapter from the terminal, and then press power button several times, then insert the power adapter into the terminal and turn on the terminal.

（5） If the indicator light of power adapter is off or twinkling when connecting with the power, please pull out it immediately, and check if its indicator light is normal; if it is normal, please don't connect with the power again; please contact our service center immediately.

（6） If the TS5X you choose has the reset button (refer to Chapter 1.8 for the location of reset button), please try to press it to reset the device.

2. TS5X Terminal Auto-Restart (Or Turn Off)

Reasons Analysis:

The occasion of TS5X auto turn off or restart occurs very often in working status (or just after startup).

Solutions:

（1） Please check if the power is well connected;

（2） Please check if AC 220V is steady;

（3） If this problem is caused by abrupt power off or illegal turning off, please wait for a while to restart the terminal;

（4） If it is caused by hardware addition or replacement, please return or remove the hardware.

3. The TS5X cannot Surf the Internet (or Low Efficiency)

Reasons Analysis:

The TS5X could not get access to the webpage.

Solutions:

（1） Please check if the external network cable is well connected;

（2） Startup the TS5X, then install the network cable. Check if the green light in the connector of network cable is on and the orange light is twinkling or not. If not, please recheck the network cable is well connected;

（3） Cursor in Touch Screen Flops at the Same Place or Touch Inexactly.

Reasons Analysis and Solutions:

（1） Please check if the touch screen is dirty or stuck with foreign matters. In that case, please get rid of the foreign matters and make the screen clean;

（2） Please check if the shell is transfigured. In that case, the machine needs to be returned to the factory.

4. The Screen Displays Unclearly Or With Water Wave

Reasons Analysis and Solutions:

Please make sure the compute is away from the high-pressure equipment.

5. USB Equipment Cannot Be Used

Reasons Analysis and Solutions:

（1） Check if the USB equipment is ok;

（2） USB equipment cannot be too long, or it may be not provided enough power.

6. Cannot go on ordering

Note: this function is only for LINUX system.

Reasons Analysis and Solutions:

（1） Because of full record of transaction, it cannot go on ordering. Please enter into Maintenance on the main menu, and then enter 4067 to enter into the next menu. Select and enter into Utilities, and then select Clear All to clear the transaction record;

（2） Enter a digit of high value like 5000, and then order a commodity. By now, the sales page will be jamming and cannot go on ordering. This phenomenon is caused by the same reason as the first point above described. Please do the same as the above solution.

7. Cannot Connect With The Printer

Reasons Analysis and Solutions:

- Firstly check if the printer is ok;
- If the printer connects with POS terminal well.

8. TS5X Cannot Print After Checkout

Note: this function is only for LINUX system.

Reasons Analysis:

The setting of printing after checkout is not open in software settings.

Solutions:

Enter into Run Office → Yes → Master Till → Setup Printers → 1 (enter the password) → Setup → Till Setup → Touch Screen → Master Till → Edit Till → Setup Printers → TS5X → Setup Devise → Manual Printer. Turn the green tick '√' to a Red Cross '×'.

7. **Appendix: Barcode Coding List**

Barcode Type	Department	Commodity Number	Total Price	Weight	Checksum
00~09: Ean13 code, the front two codes represent department code:					
00	DD (2)	IIIIIIIII (10)	X	X	C
01	DD (2)	IIIIII (6)	PPPP (4)	X	C
02	DD (2)	IIIII (5)	PPPPP (5)	X	C
03	DD (2)	IIII (4)	PPPPPP (6)	X	C
04	DD (2)	III (3)	PPPPPPP (7)	X	C
05	DD (2)	IIIIII (6)	X	Q.QQQ (4)	C
06	DD (2)	IIIIII (6)	X	QQ.QQ (4)	C
07	DD (2)	IIIII (5)	X	QQ.QQQ (5)	C
08	DD (2)	IIIII (5)	X	QQQQ.Q (5)	C
09	DD (2)	IIIII (5)	X	QQQQQ (5)	C
10~19: Ean13 code, the front two codes represent fixed code:					
10	20(2)	IIIIIIIII (10)	X	X	C
11	21(2)	IIIIII (6)	PPPP (4)	X	C
12	22(2)	IIIII (5)	PPPPP (5)	X	C
13	23(2)	IIII (4)	PPPPPP (6)	X	C
14	24(2)	III (3)	PPPPPPP (7)	X	C
15	25(2)	IIIIII (6)	X	Q.QQQ (4)	C
16	26(2)	IIIIII (6)	X	QQ.QQ (4)	C
17	27(2)	IIIII (5)	X	QQ.QQQ (5)	C
18	28(2)	IIIII (5)	X	QQQQ.Q (5)	C
19	29(2)	IIIII (5)	X	QQQQQ (5)	C
20: No print barcode					
21~29: Ean13 code, the front one code represents department code:					
21	D (1)	IIIIIII (7)	PPPP (4)	X	C
22	D (1)	IIIIII (6)	PPPPP (5)	X	C
23	D (1)	IIIII (5)	PPPPPP (6)	X	C
24	D (1)	IIII (4)	PPPPPPP (7)	X	C
25	D (1)	IIIIIII (7)	X	Q.QQQ (4)	C
26	D (1)	IIIIIII (7)	X	QQ.QQ (4)	C
27	D (1)	IIIIII (6)	X	QQ.QQQ (5)	C
28	D (1)	IIIIII (6)	X	QQQQ.Q (5)	C
29	D (1)	IIIIII (6)	X	QQQQQ (5)	C
30~35,40~45: 18 code, the front one code represents department code					
30&33	D (1)	IIIIII (6)	PPPPP (5)	QQ.QQQ (5)	C
31&34	D (1)	IIIIII (6)	PPPPP (5)	QQQQ.Q (5)	C
32&35	D (1)	IIIIII (6)	PPPPP (5)	QQQQQ (5)	C
Barcode Type	Department	Commodity Number	Total Price	Weight	Checksum
40~45: Ean18 code, the front one code represents department code					
40&43	D(1)	IIIIII(6)	UUUUU(5)	WW．WWW(5)	C
41&44	D(1)	IIIIII(6)	UUUUU (5)	WWWW.W(5)	C
42&45	D(1)	IIIIII(6)	UUUUU (5)	WWWWW(5)	C

50~52: 8 code					
50	X	IIIIIII (7)	X	X	C
51	D (1)	IIIIII (6)	X	X	C
52	DD (2)	IIIII (5)	X	X	C
53	X	IIIIIIII(8)	X	X	X
54	D(1)	IIIIIII(7)	X	X	X
55	DD(2)	IIIIII(6)	X	X	X
36-38: 18 code, the front one code represents department code, which is particular for the batch management of live commodity.					
36	D (1)	LLLLLL (6)	IIII (4)	RR (2)	QQ.QQQ (5)
37	D (1)	LLLLLL (6)	IIII (4)	RR (2)	QQQQ.Q (5)
38	D (1)	LLLLLL (6)	IIII (4)	RR (2)	QQQQQ (5)

Barcode Type	Department	Art. No	Quantity/Weight	Total/Unit Price	Checksum
79~85, 87: 18 code					
79	DD	IIIIII(6)	WW.WWW	PPPPP	X
80	D	IIIIII(6)	WW.WWW	PPPPP	C
81	D	IIIIII(6)	WWWW.W	PPPPP	C
82	D	IIIIII(6)	WWWWW	PPPPP	C
83	D	IIIIII(6)	WW.WWW	UUU.UU	C
84	D	IIIIII(6)	WWWW.W	UUU.UU	C
85	D	IIIIII(6)	WWWWW	UUU.UU	C
87	DD	IIIII(5)	WW.WWW	PPPPP	C

Barcode Type	Department	Art. No	Total Price	Quantity/Weight	Unit Price	Checksum
90~95: 18 code, the former two codes print department code						
90	DD(2)	IIIIII(6)		WW.WWW	UU.UU(4)	C
91	DD(2)	IIIIII(6)		WWWW.W	UU.UU(4)	C
92	DD(2)	IIIIII(6)		WWWWW	UU.UU(4)	C
93	D(1)	IIIIII(6)	PPPPP(5)		UUU.UU(5)	C
94	DD(2)	IIIII(5)	PPPPP(5)	WW.WWW		C
95	DD(2)	IIIIII(6)		WWWWW	UU.UU(4)	C
Barcode Type	Department	Art. No	Quantity/Weight	Total Price	Unit Price	Checksum
96	DD(2)	IIIIII(6)	WWWW	PPPPP(5)		C
Barcode Type	Department	Art. No	Total Price	Quantity/Weight	Unit Price	Checksum
97	DD(2)	IIII(4)	PPPPPP(6)	WW.WWW		C
Barcode Type	Department	Art. No	Quantity/Weight	Total Price	Unit Price	Checksum
98	DD(2)	IIIII(5)	UUUUU(5)	WW.WWW		C

Meaning of characters in the above list:

C: CHECKSUM D: Department Code 2: Fixed number I: Commodity number L: Live code

P: Price R: Discount Q: Weight X: No this item

Notes:

1. Ean 13= DEPMENT+CODE+[TOTAL PRICE]+[WEIGHT]+C

Items with [] mean no this item in some coding system.

2. Usually Ean13 adopts 2 or 22 as its price barcode type while 7 or 77 as its weight barcode type.
3. CHECKSUM is calculated by the scale automatically and it is not necessary for user to input in PLU manager.
4. The difference between 30-32 and 33-35 is the method to calculate checksum.
5. The difference between 40-45 and 30-35 is that the price in 30-35 is total price while in 40-45 is unit price.

36-38 is barcode type, which can be accessed by live batch management. Commodity batch number takes up commodity number column and commodity number takes up live code column.

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