

# GUANGZHOU MICRON VENDING TECHNOLOGY CO., LTD.

2022-V4.0 | User Manual

For machines with touch screen | Android OS 7.1



Click  **Youtube links** to watch the videos

**TOGETHER, LET'S STEP INTO THE NEW ERA OF UNMANNED RETAIL~**

Catalogue & User Manual download: [www.micronvending.com/en-download-vending-machine-catalog.html](http://www.micronvending.com/en-download-vending-machine-catalog.html)

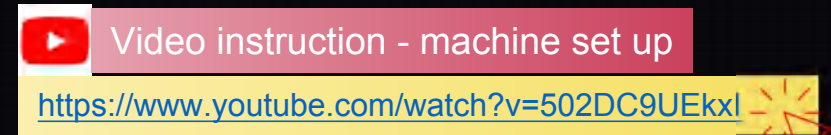
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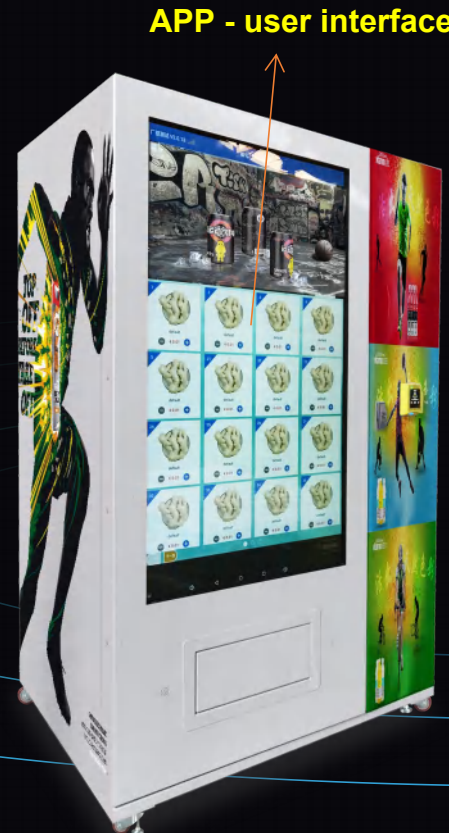


# Part I: Basic skills you shall know

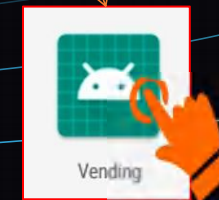


## 1.1 About “Vending” APP

We installed a “**Vending**” App for each machine, which is working based on Android OS 7.1, to support the transactions. You will see it on the home page of the machine screen.



This is the “Vending” App you'll see on machine screen



Click to enter APP

# Part I: Basic skills you shall know



## 1.2 About back-end system

Our system consists of Mobile system and Computer(PC) system

### 1.1.1 Log in link [for Smart phone]

<https://moperator.tech.weimi24.com>

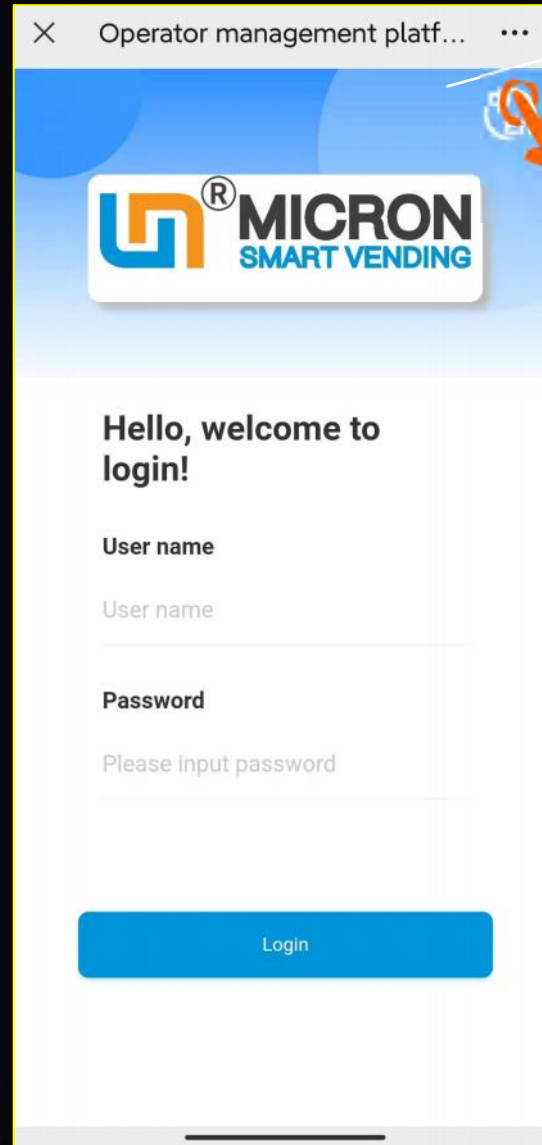
### 1.1.2 Log in link [for Computer]

<https://operator.tech.weimi24.com/>

Our sales representative will send you the User name and Password when the machine is ready.

How to upload/change your LOGO?

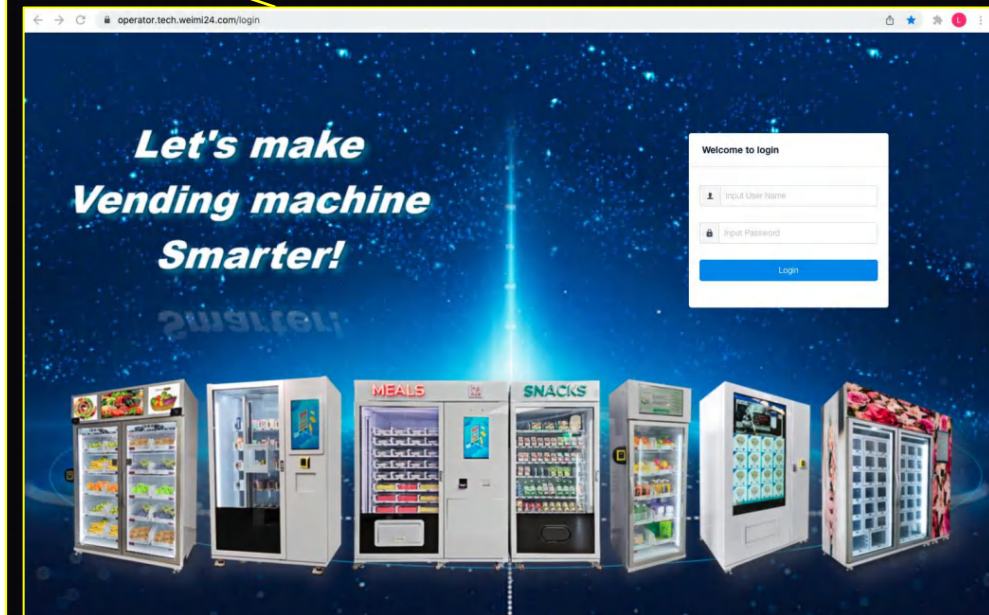
<https://www.youtube.com/watch?v=W6jyQSCwHqI>



Mobile phone Login page

Switch language

Computer Login page



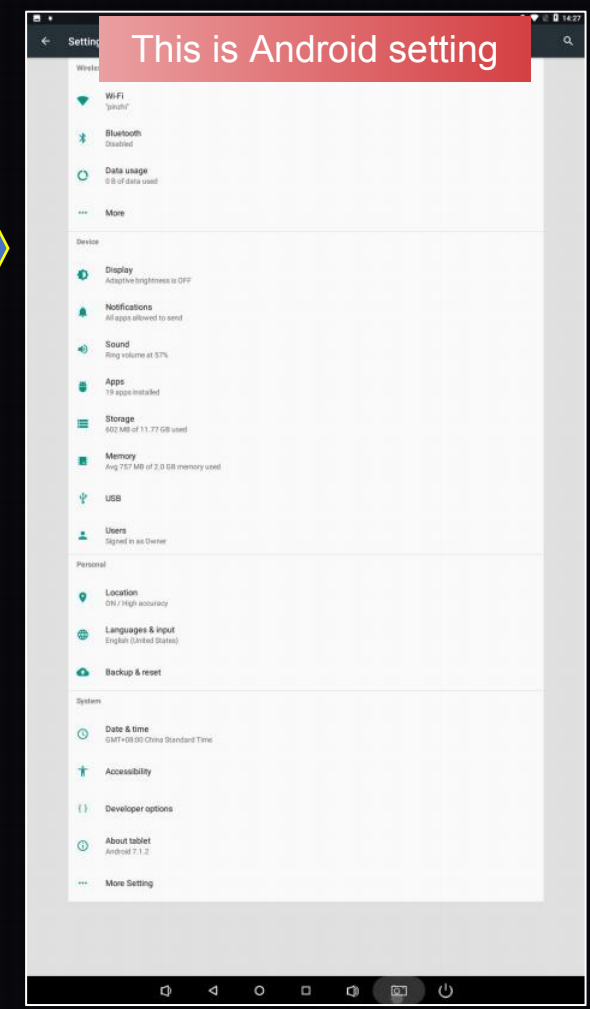
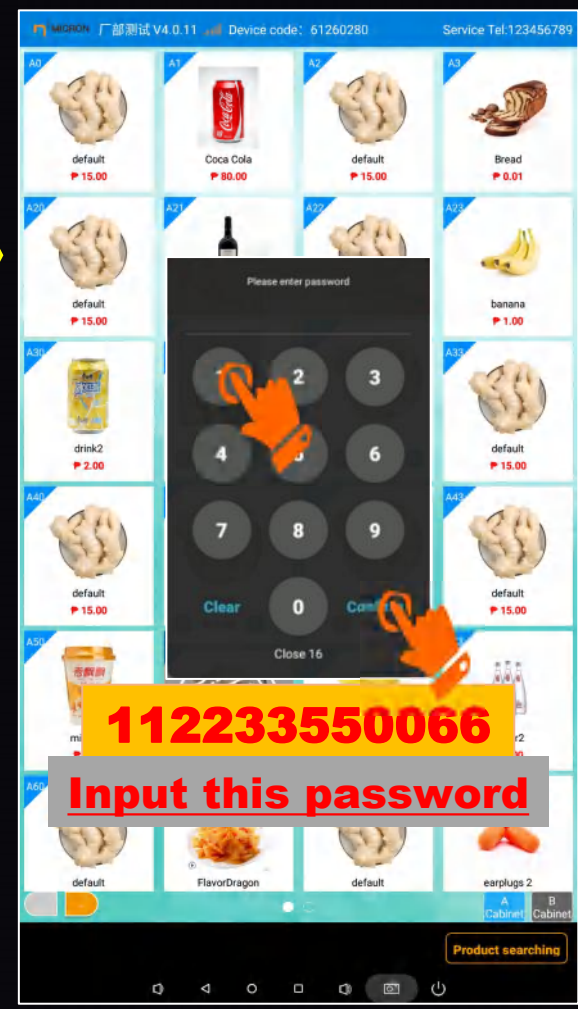
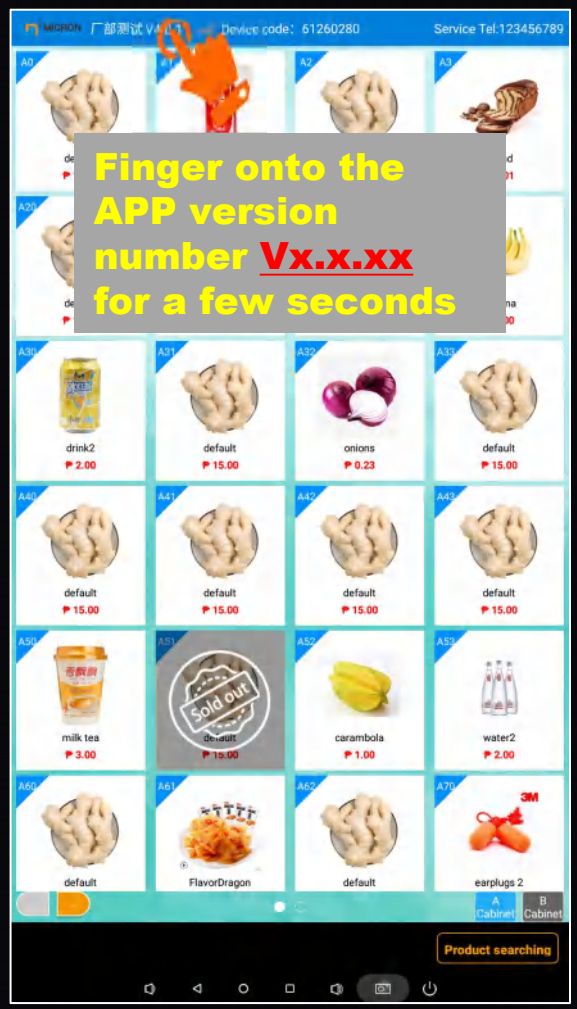


# Part I: Basic skills you shall know



## 1.3 How to enter Android setting

The machines are working based on Adroid OS 7.1. Follow the steps to enter Android setting on machine screen:



※ The contents on this page are more or less the same as your mobile phone setting (Android OS).

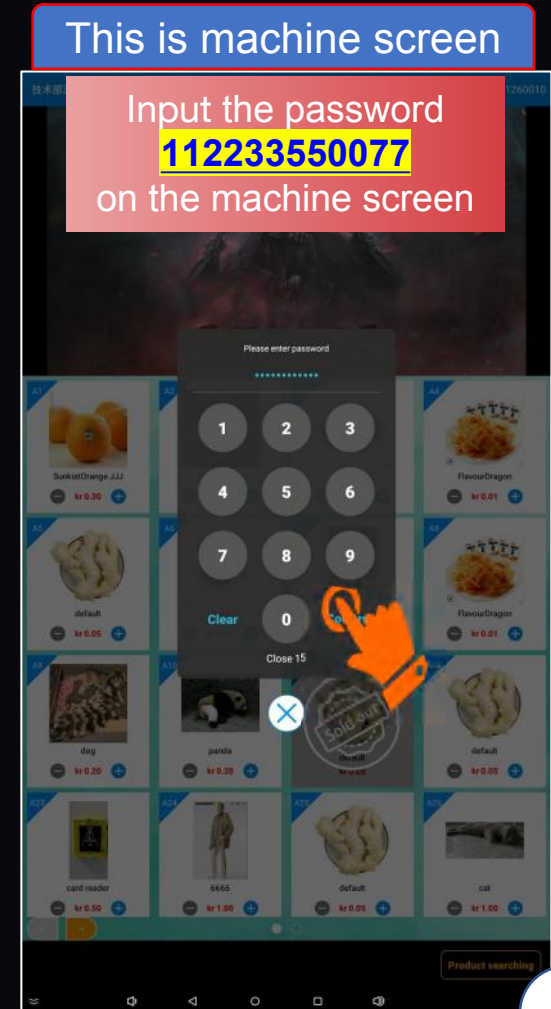
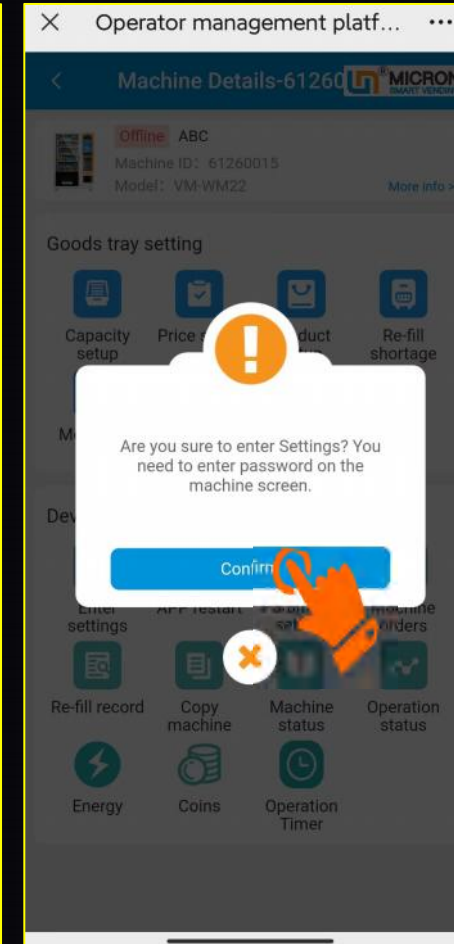
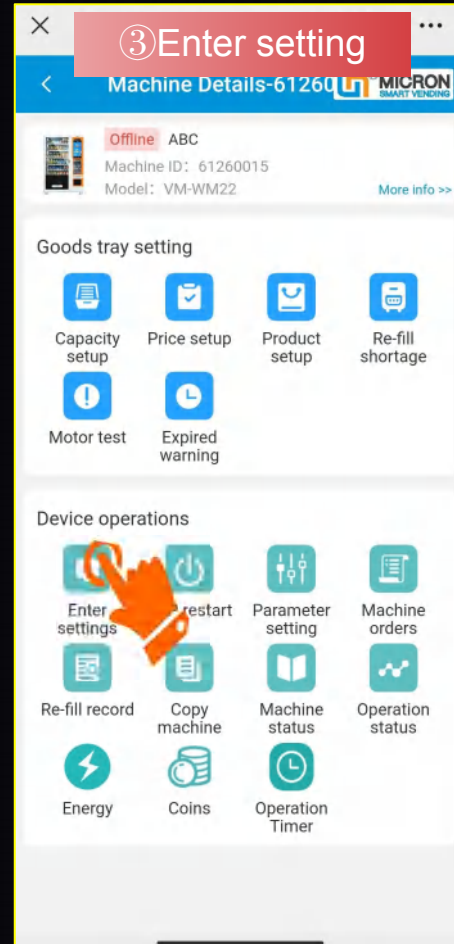
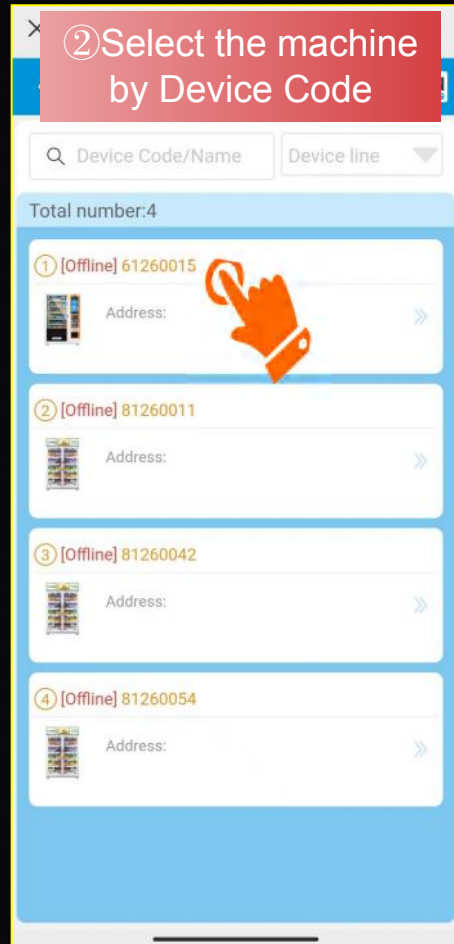
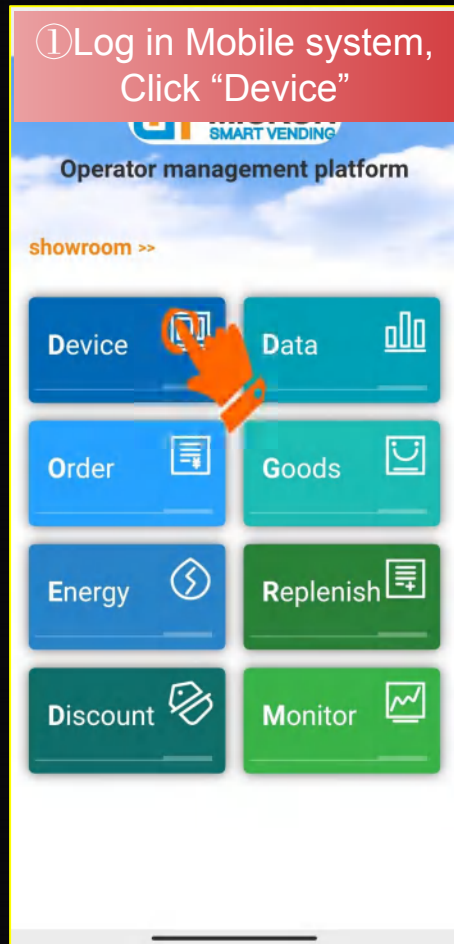
※ When you received the machine, suggest you enter this page to have a look what can be set from here.

# Part I: Basic skills you shall know



## 1.4 How to enter “Vending” APP setting

The “Vending” APP installed in the machine is developed by Micron smart vending Co., it connects the machine with the back-end systems. Only operators can enter the setting from mobile system.



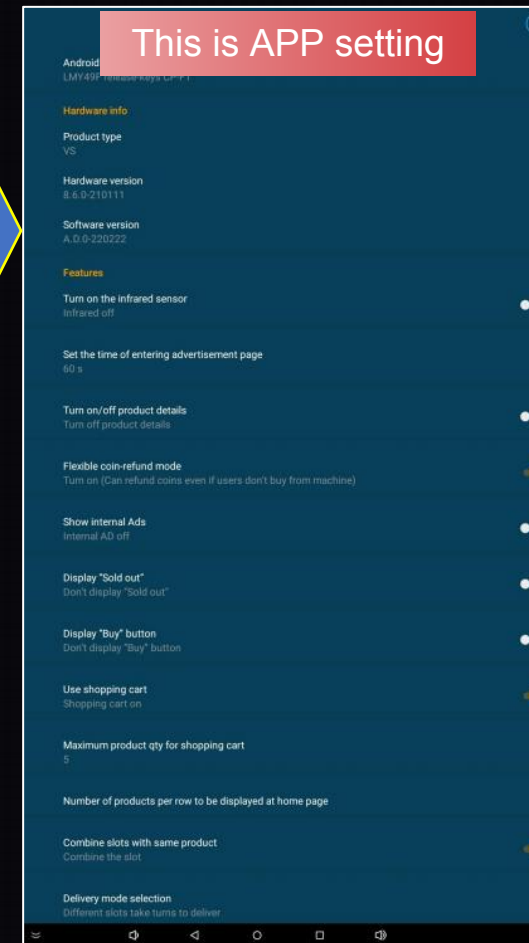
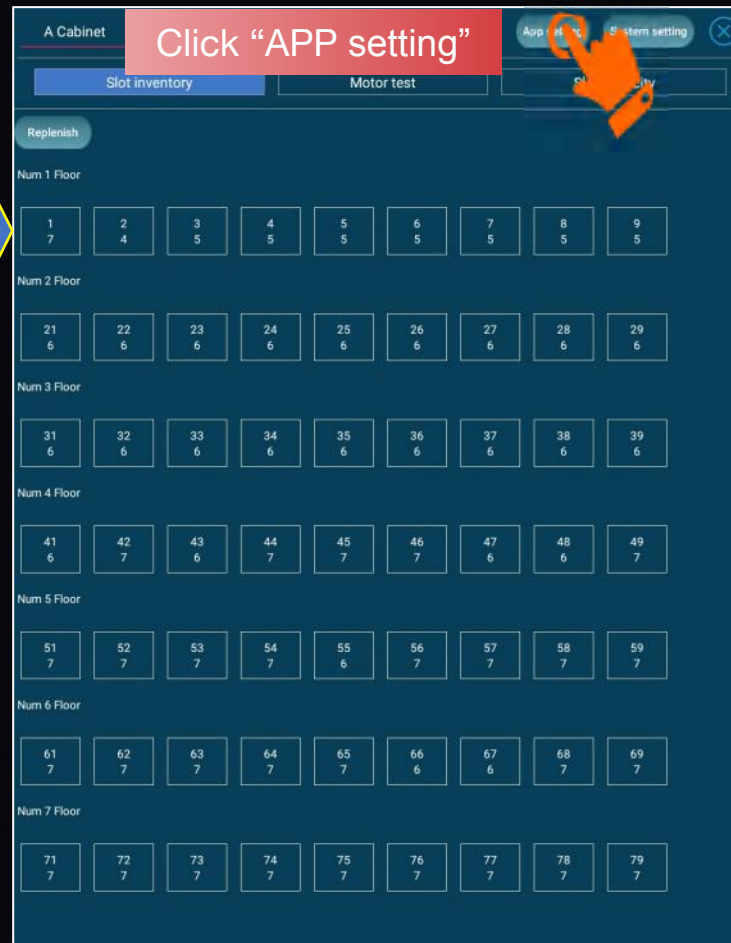
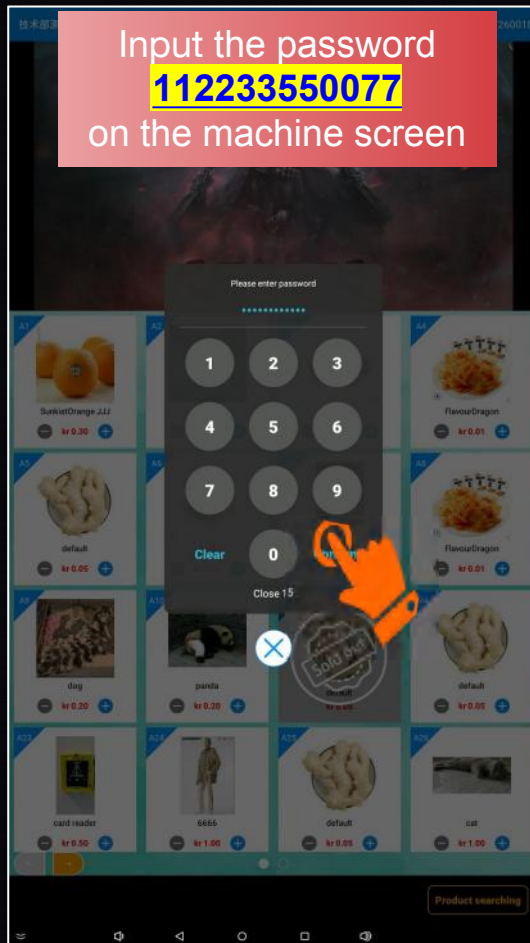


# Part I: Basic skills you shall know



## 1.4 How to enter “Vending” APP setting

The “Vending” APP installed in the machine is the interface for users, it supports the transactions. The operators can set the APP features based on your demand.



✘ What features are there? Check it out when you received a new machine.

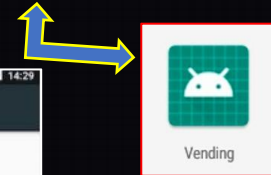
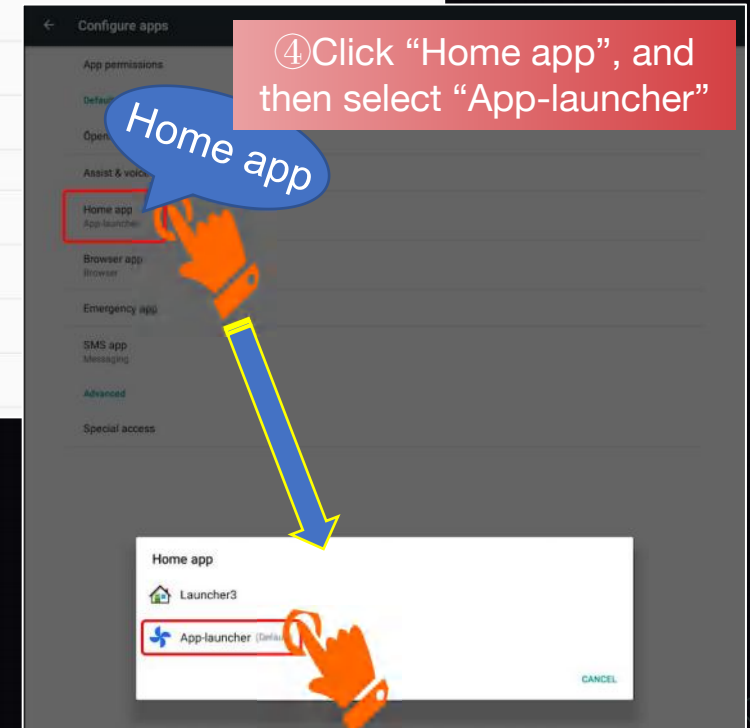
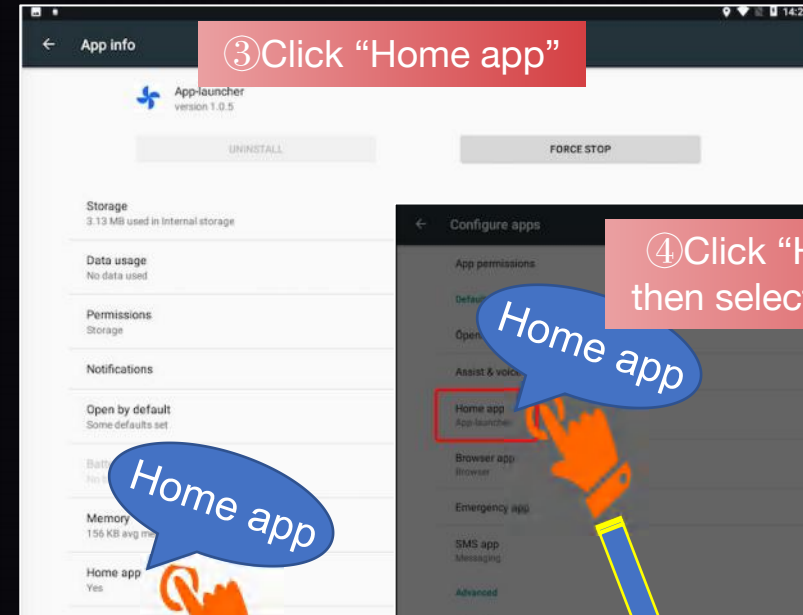
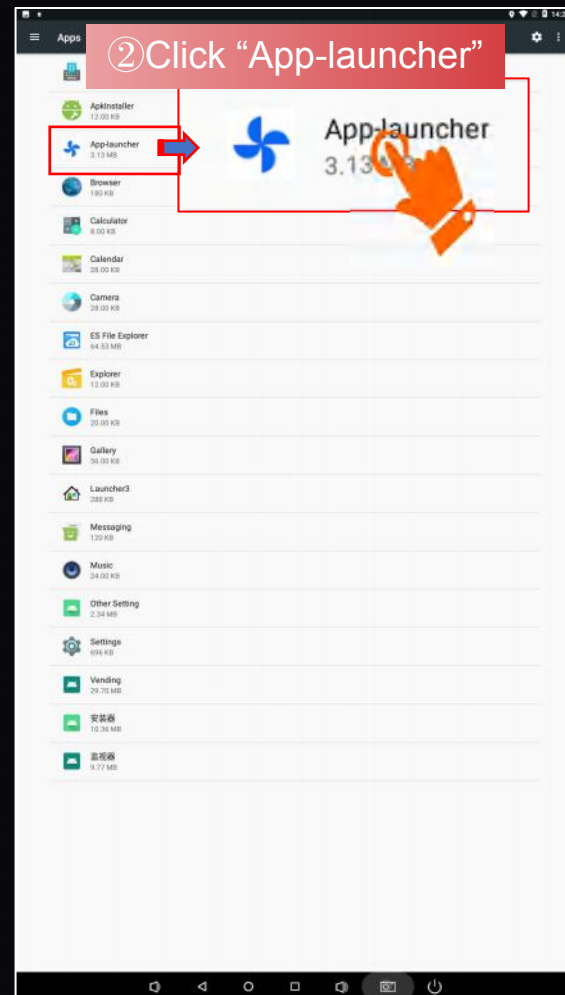
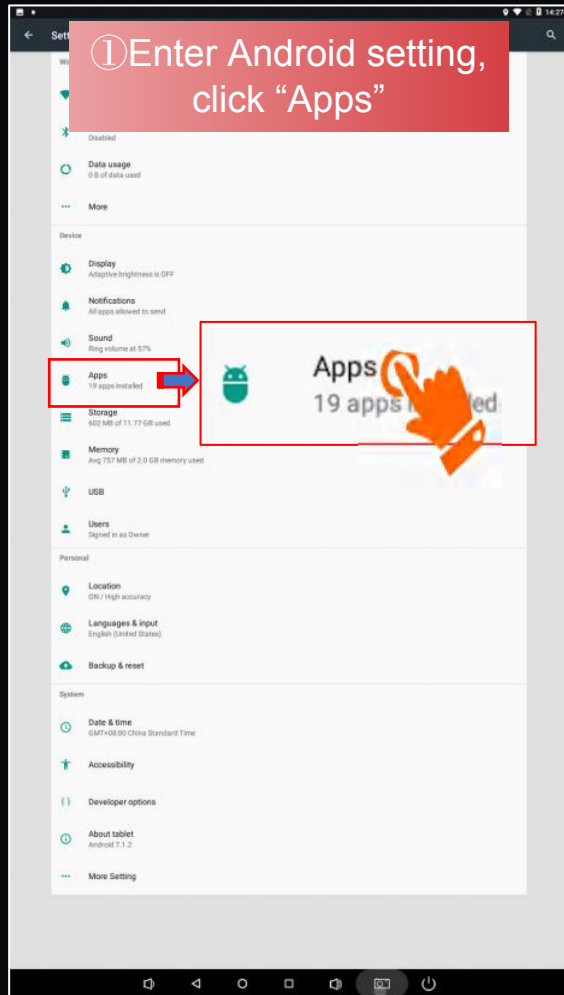
✘ In content Part III, you will get detailed introduction about the features of the APP. You can turn on/off those features based on your demand.

# Part I: Basic skills you shall know



## 1.5 How to set the Home App

After finished the testing, please set the “App-launcher” as Home app, which will keep the “Vending” app always running in the front. It will go back to “Vending” app from other page automatically.

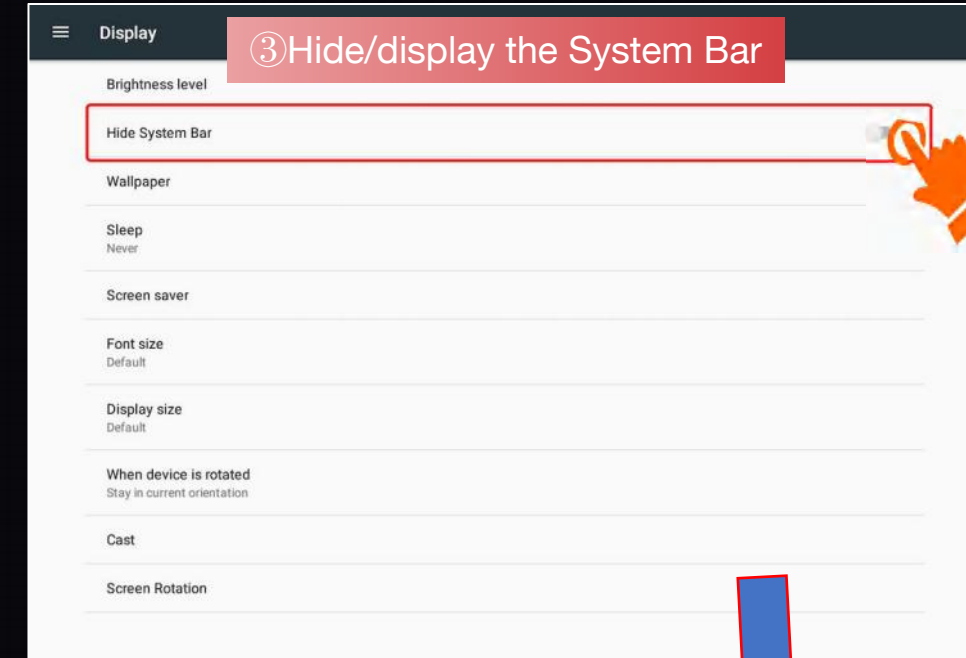
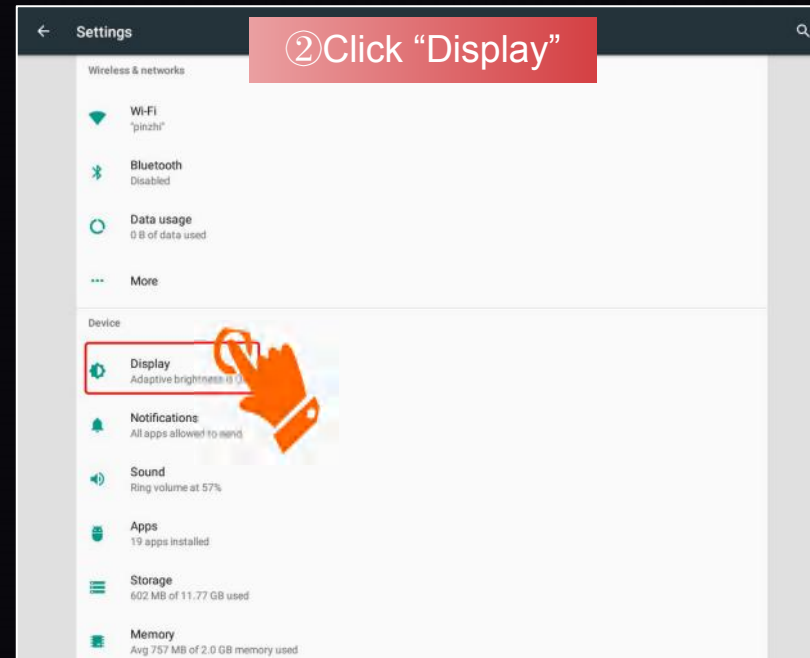
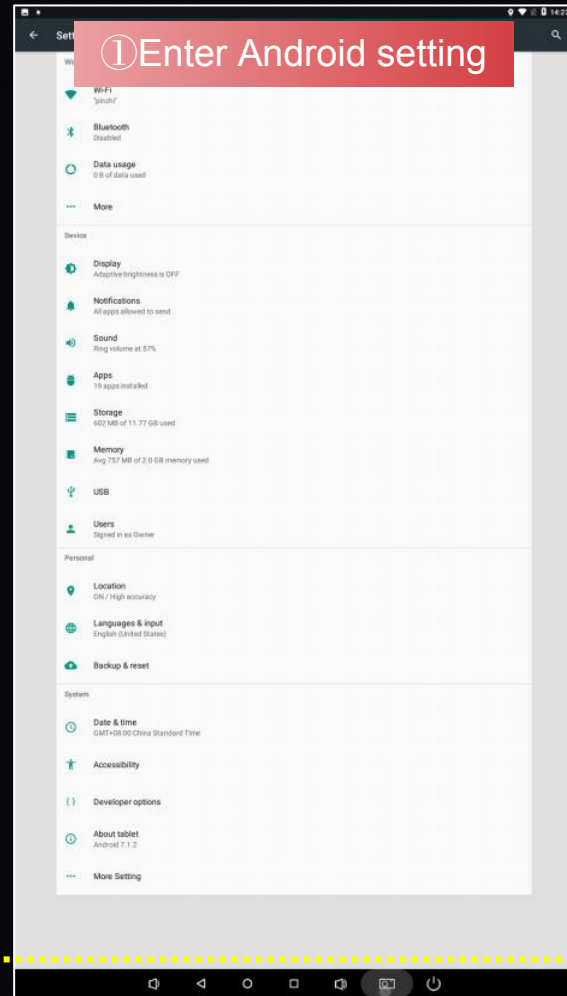


# Part I: Basic skills you shall know



## 1.6 How to hide/display the System Bar

During testing period, you may need to use the System Bar to do the necessary settings easily. After finished the testing, you need to hide the System Bar to avoid users entering any setting page easily.



**IMPORTANT:** After finished all testing, please hide the System Bar from here! Otherwise, users can click those buttons and go out the Vending app.

This is the so-called "System Bar", which will help you switch between different pages easily.

# Part II: Fast setup - Step 1

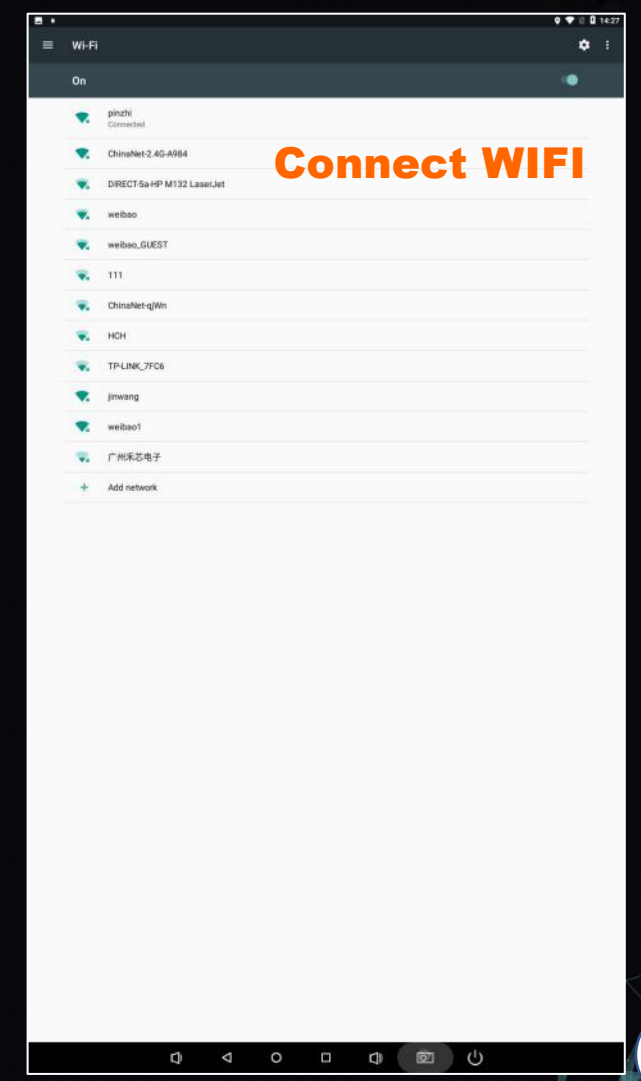
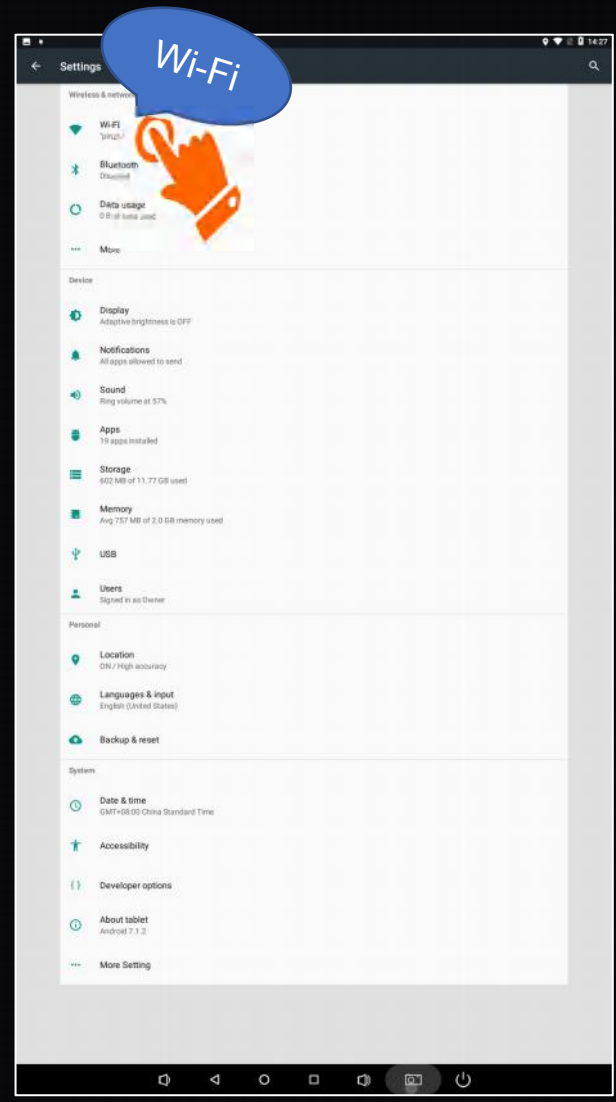
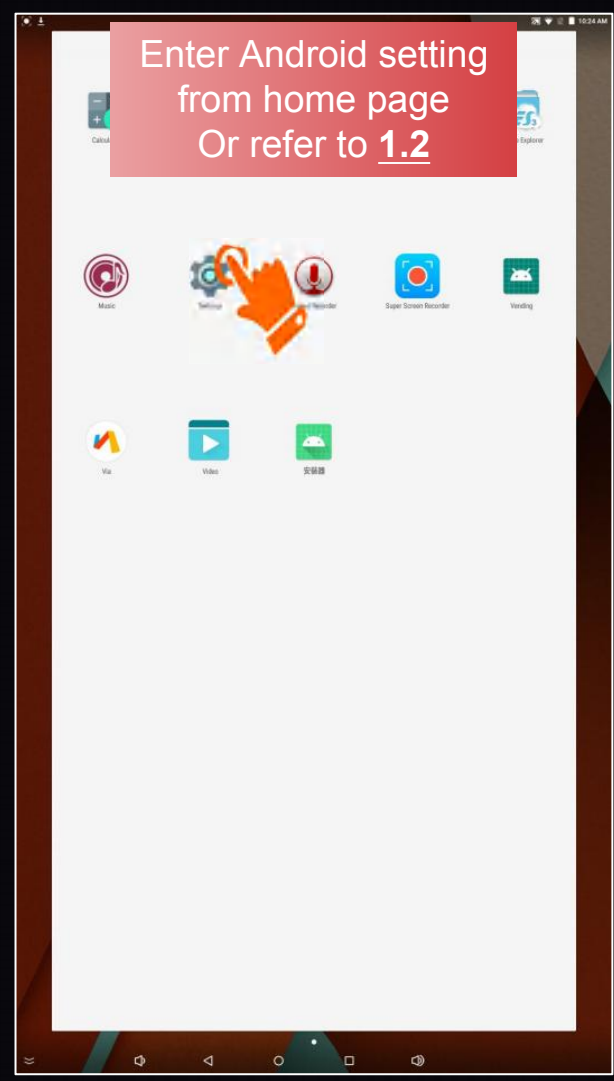


How to connect WIFI?

<https://www.youtube.com/watch?v=km0ZA5WC4Ss>

## 2.1.1 WIFI Connection (From machine Touch screen)

Turn on screen





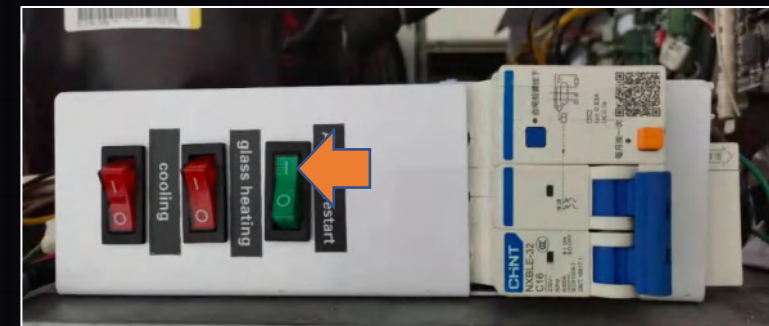
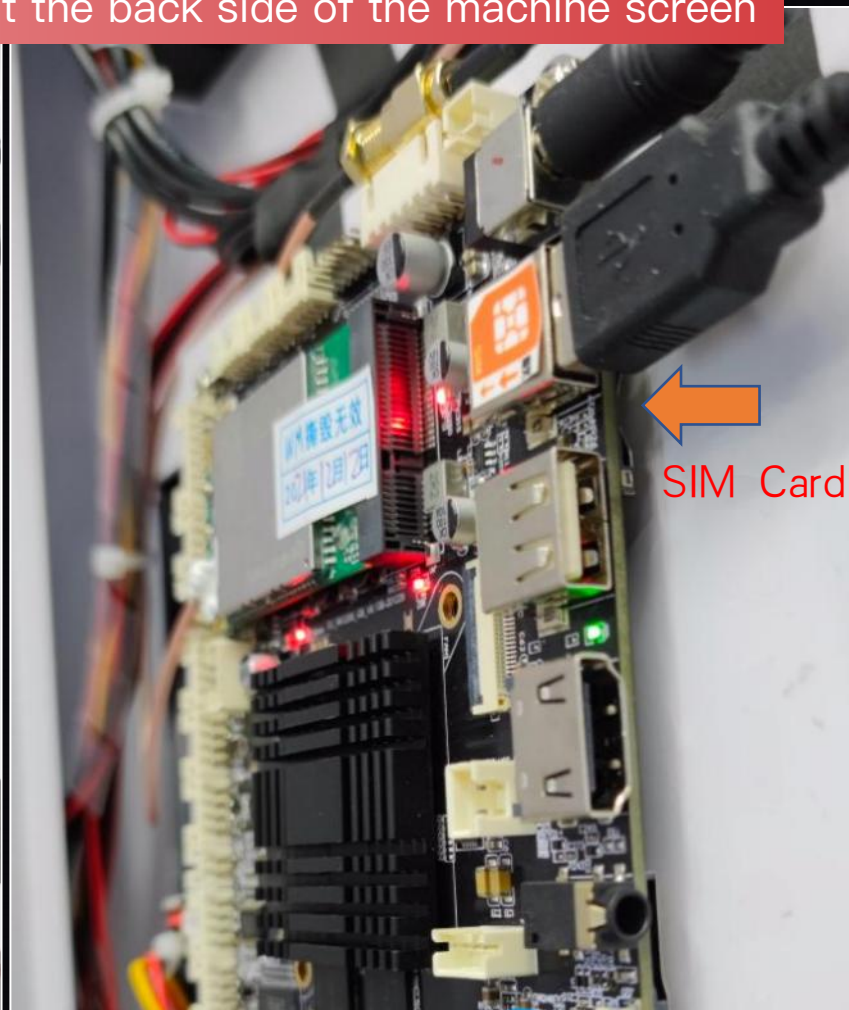
# Part II: Fast setup - Step 1



## 2.1.2 SIM Card (3G/4G)

In case WIFI is not available, you can insert a data SIM card.

The Android mainboard locates at the back side of the machine screen



Insert the 3G/4G data SIM card into the card slot correctly as per the card direction guide sticker.

**Restart Android (Green button).**

Some SIM cards can access to internet automatically, while some can't. If can't, then need to set **APN**(Access Point Names).

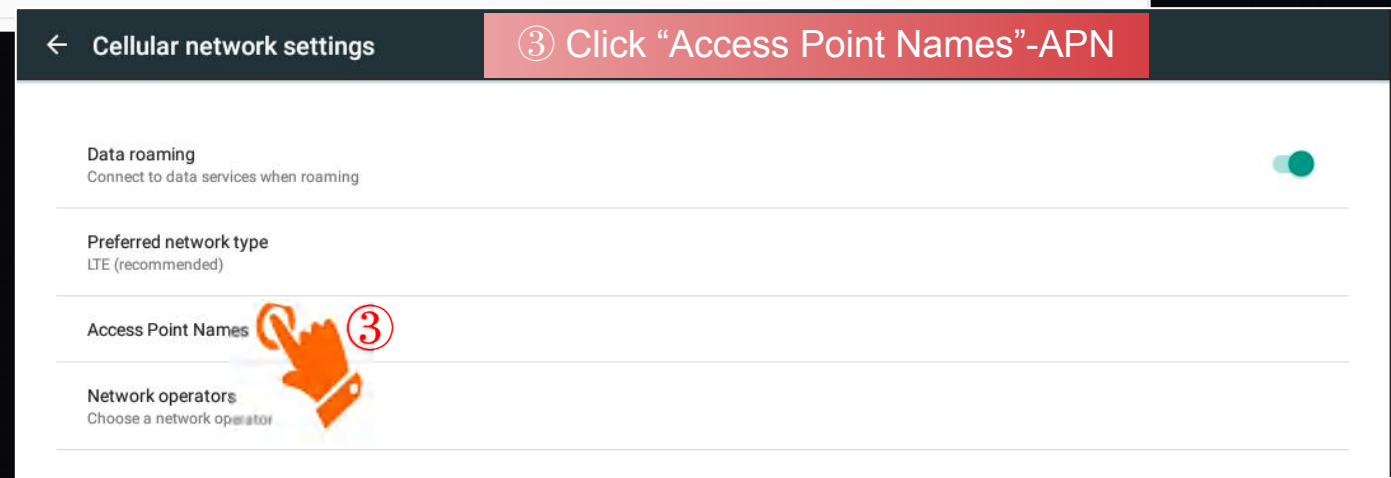
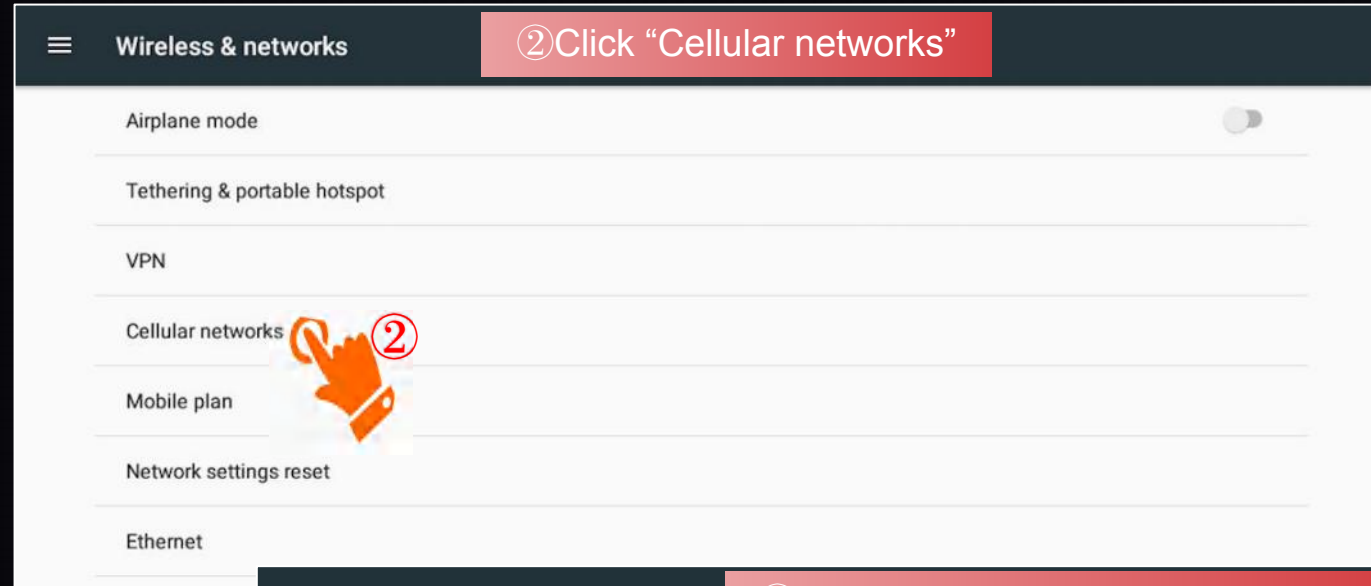
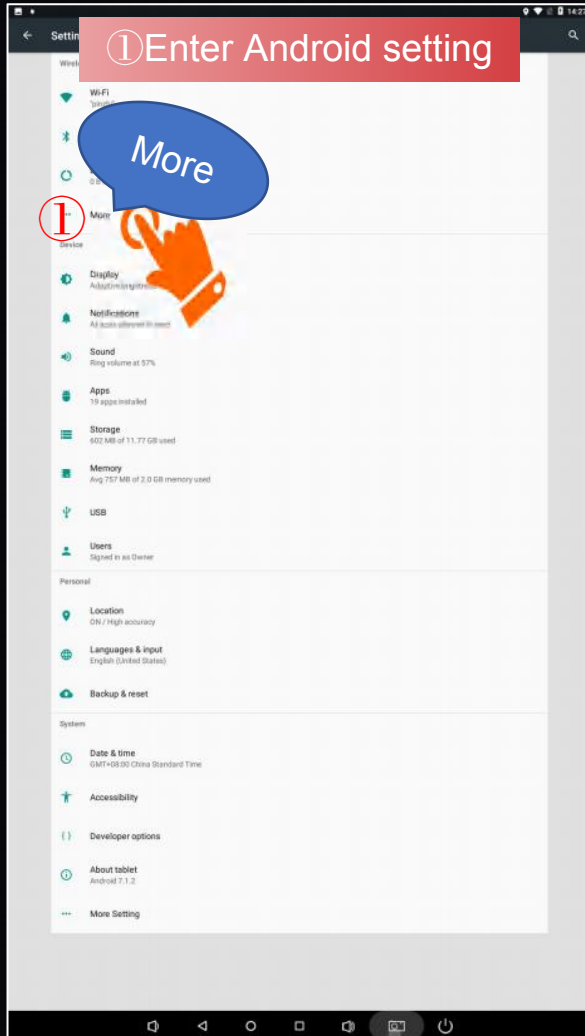
# Part II: Fast setup - Step 1



How to set APN?

<https://www.youtube.com/watch?v=HwqcGtpGTko>

**2.1.2 SIM Card (3G/4G)** If the data SIM card can access to internet, then ignore this step!  
If the SIM card can't access to internet, please follow this step to set APN (Access Point Names).

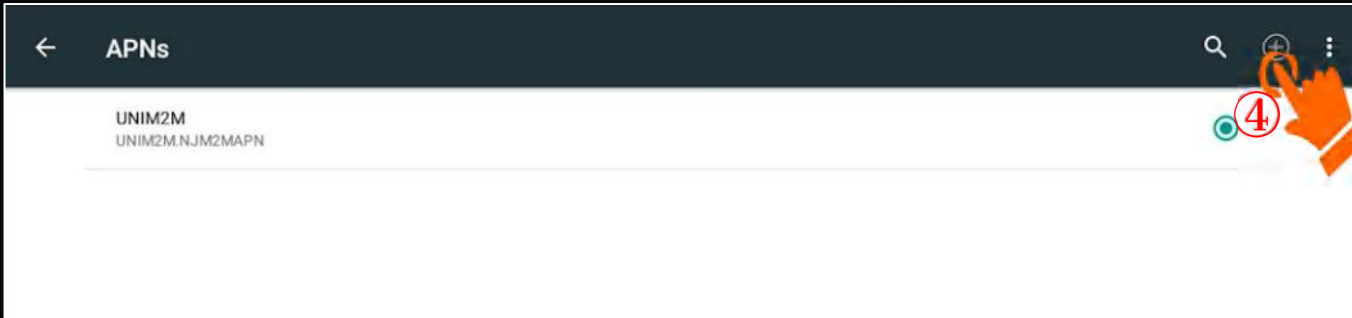


# Part II: Fast setup - Step 1



## 2.1.2 SIM Card (3G/4G) – Set APN

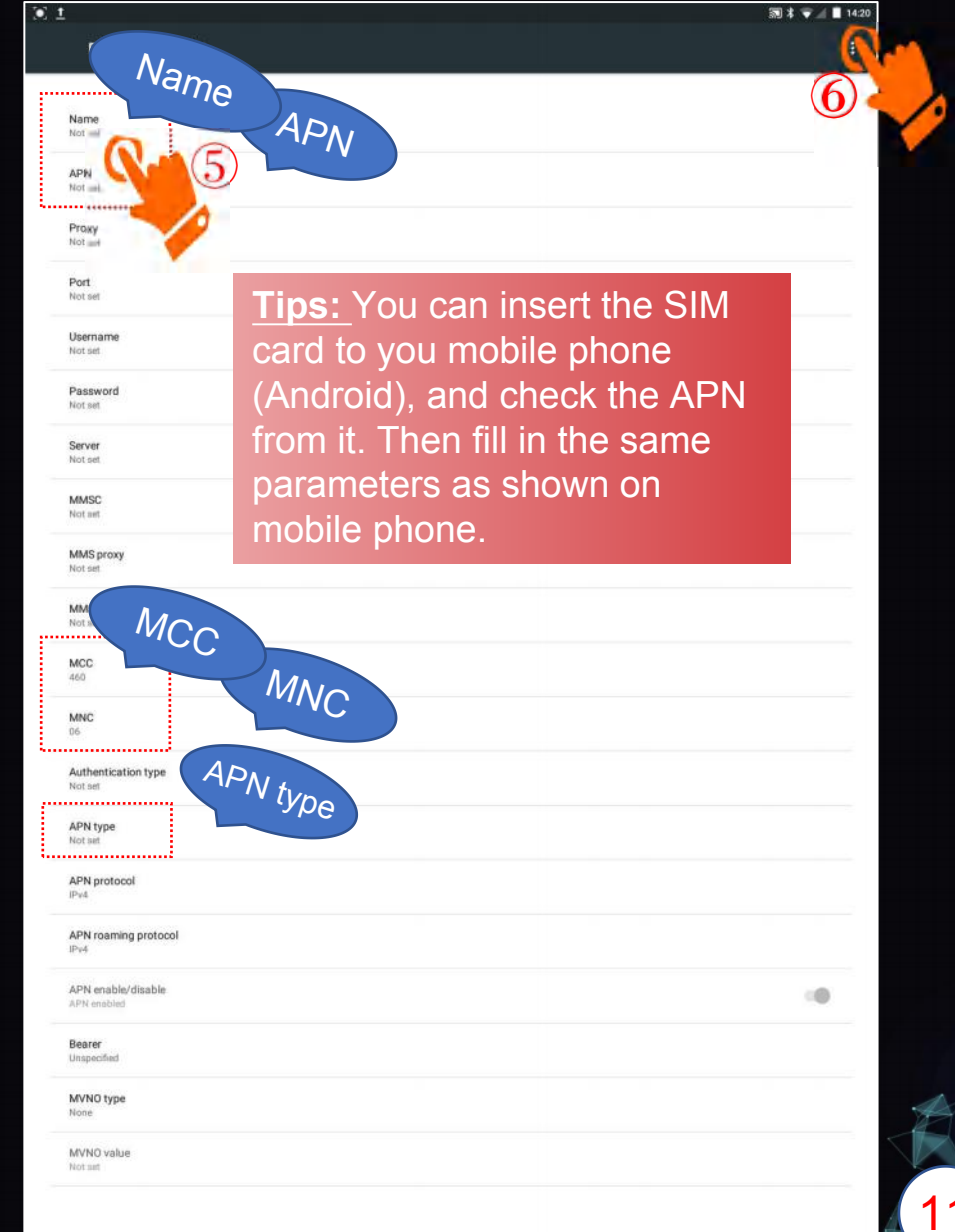
In case you don't know how to fill the parameters, you can just put the SIM card to you mobile phone (Android OS), and then check it from mobile APN.



④ Click the “+” on the top right corner to create a APN;

⑤ Usually the mainboard can verify and show the MCC/MNC automatically. You only need to fill in the Name and APN. “Name” -- you can fill in whatever you like; “APN”-- you need to check with the SIM card provider or maybe you can find it from the internet.

⑥ Click the “⋮” on the top right corner to save APN; And then wait for the network connection, which may take 1~2 minutes. Or you can restart the machine.



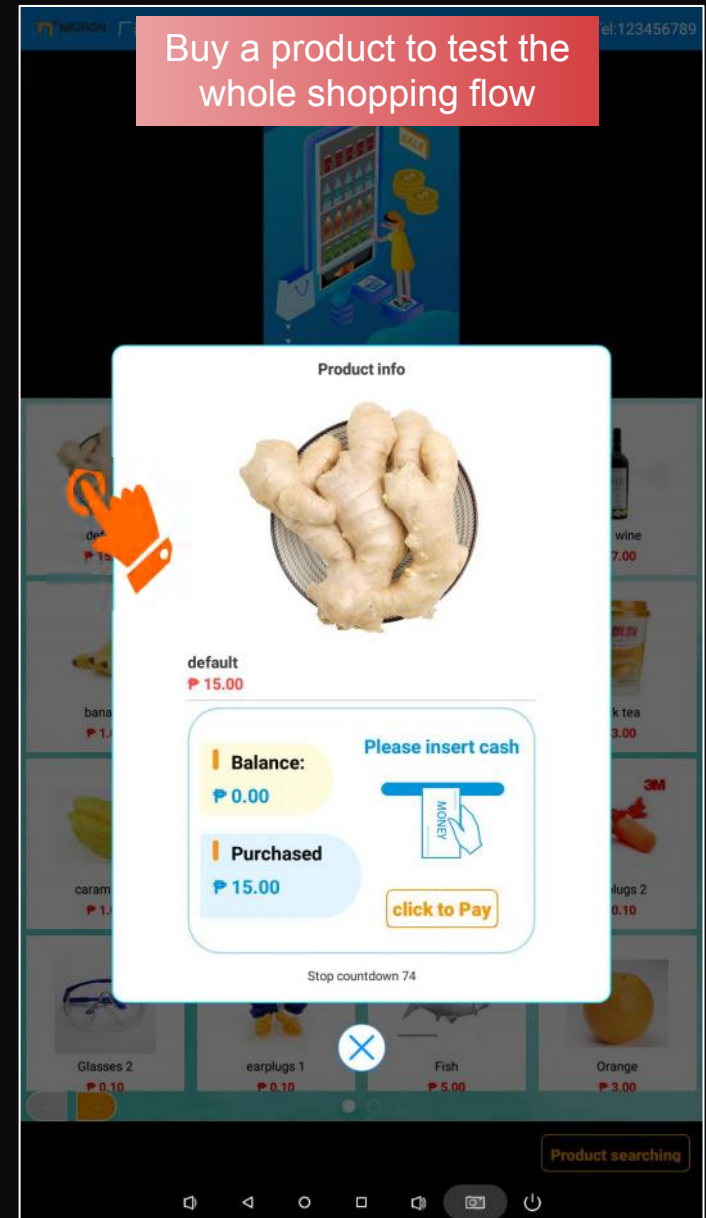
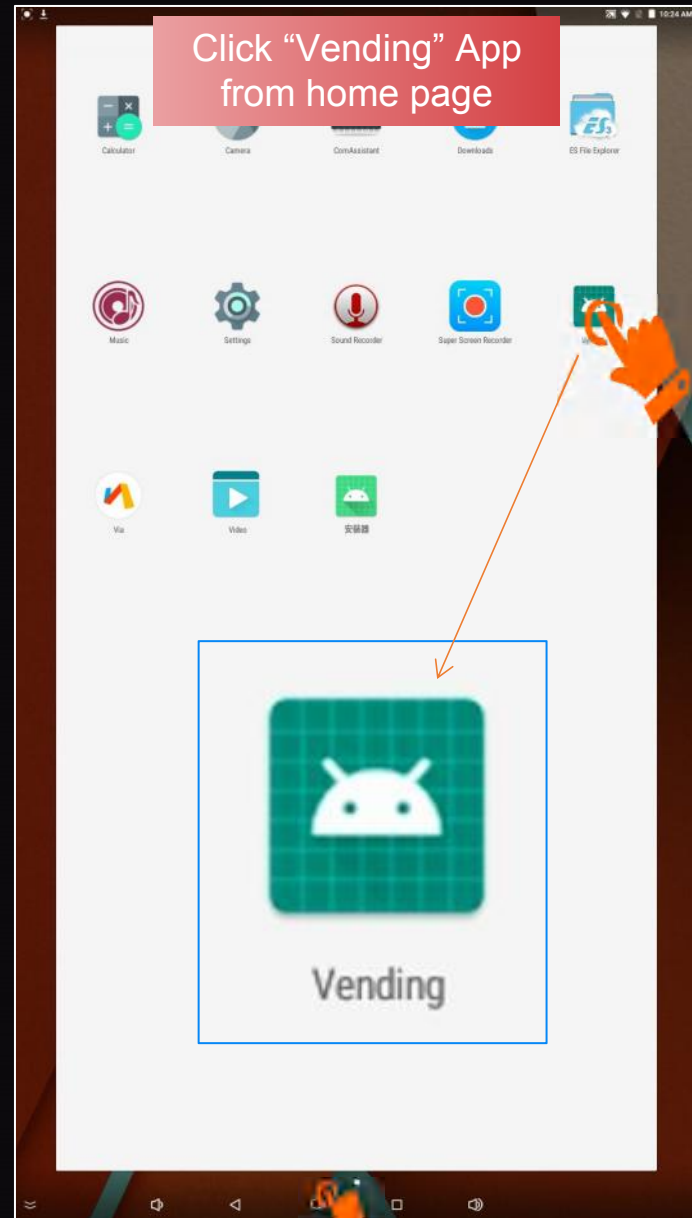


# Part II: Fast setup - Step 1



## 2.1.3 Enter Vending APP

After set the network connection, you can go back to the “Vending” App, and then try to buy any product from it, to test whether the whole shopping flow is working well or not. Basically, it shall work well as we've done the basic settings in our factory.





# Part II: Fast setup - Step 2



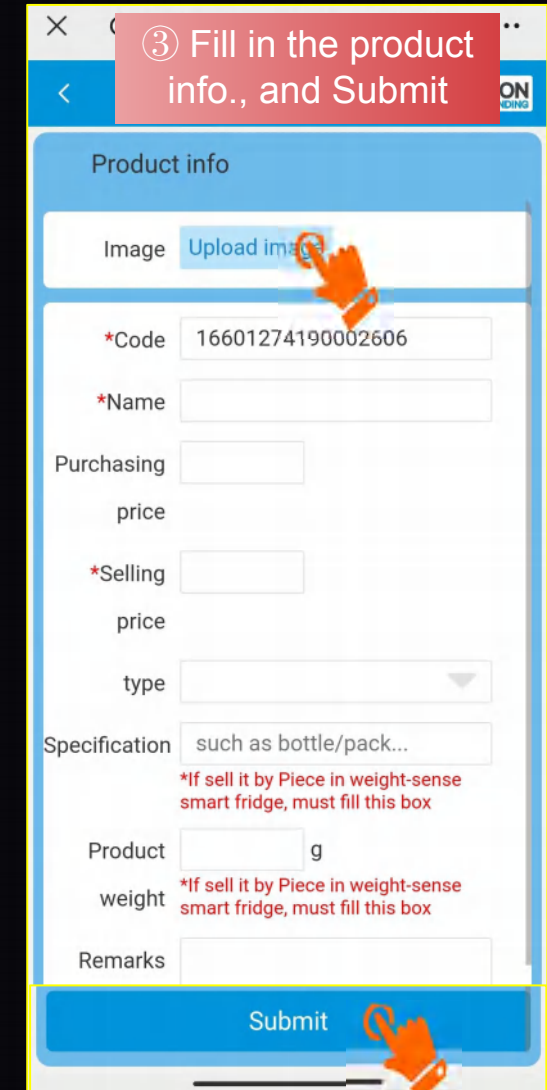
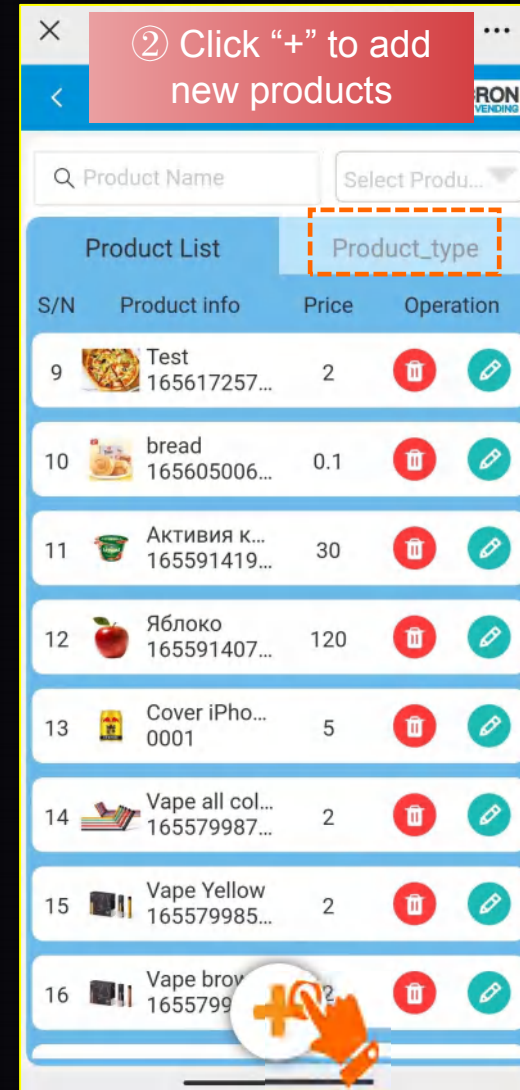
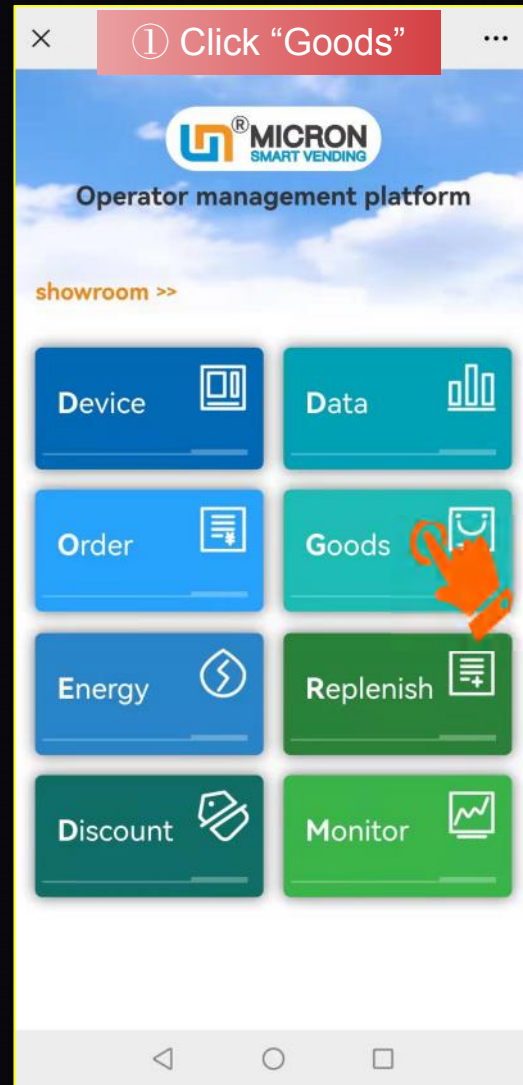
## 2.2 Create product database

Log in mobile system to create products 1 by 1.

The products you created can be used for **ALL machines** under your user name. No need to create products for each machine.

**Optional:**

Create Product\_type if you have several types of product categories.



# Part II: Fast setup - Step 3



## 2.3.1 Machine product setup (from mobile)

From Product database to each goods tray / slot. You can do this step before or after filling the products.

The screenshots illustrate the following steps:

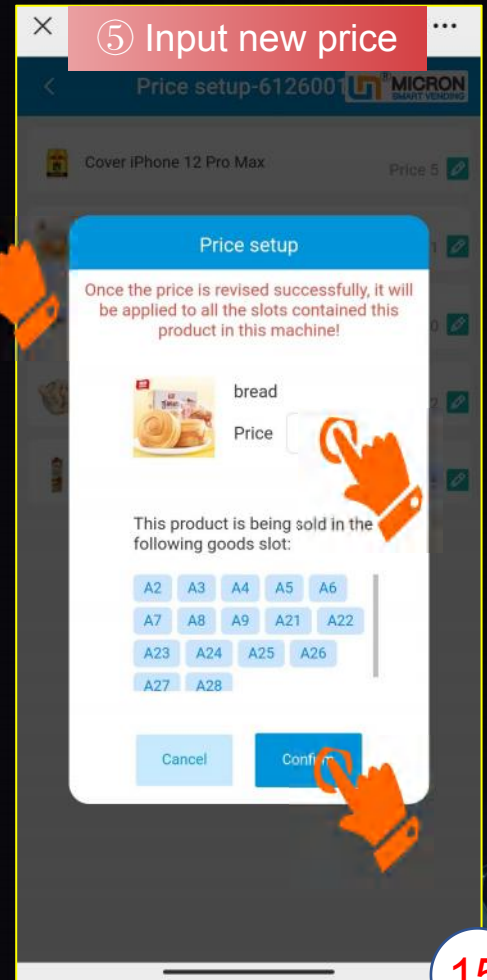
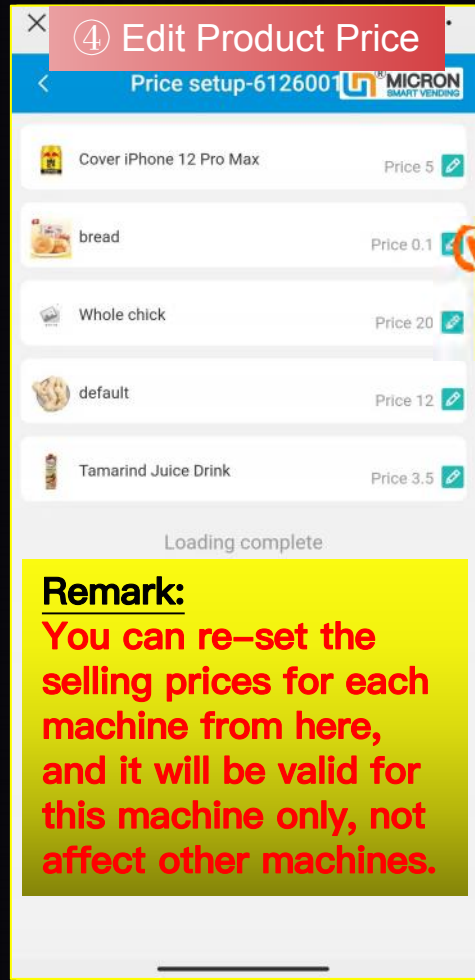
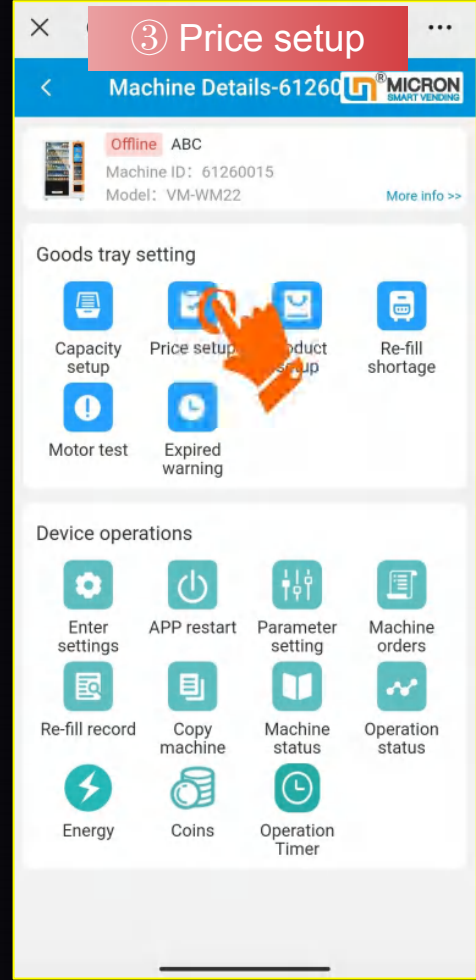
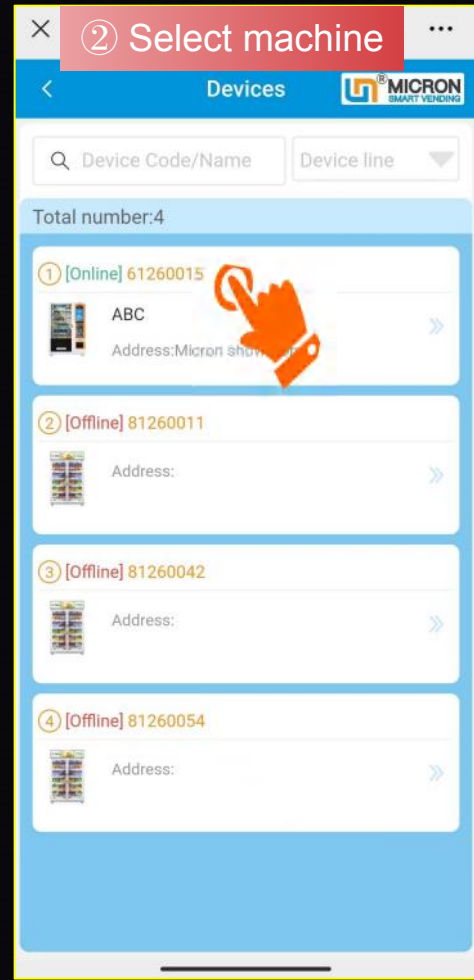
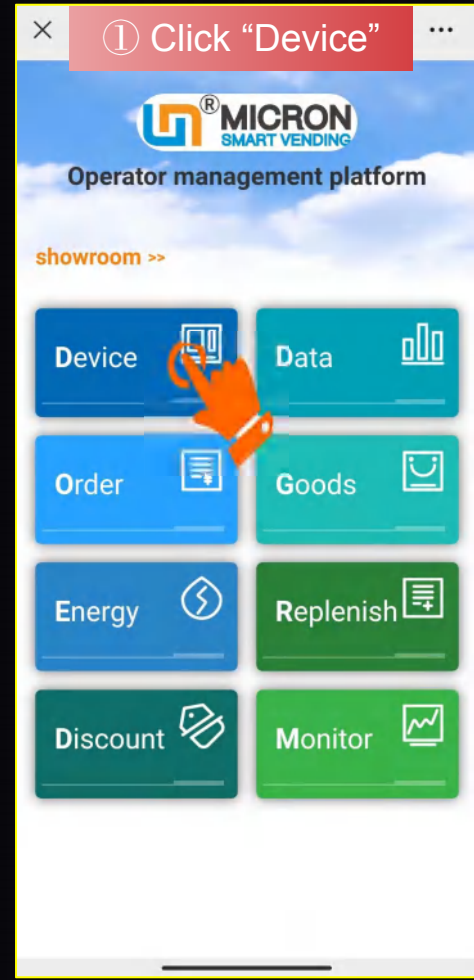
- Step 1: Click "Device"** - The main dashboard of the Operator management platform with the "Device" button highlighted.
- Step 2: Select machine** - A list of machines with status (Offline/Online), ID, and name. The second machine is selected.
- Step 3: Product setup** - The "Machine Details" screen for machine 61260015, showing "Goods tray setting" options like Capacity, Price, Product, and Re-fill, and "Device operations" like Enter settings, APP restart, etc. The "Product setup" icon is highlighted.
- Step 4: Select tray/slot** - The "Product setup" screen for "A Cabinet" with a list of floors (1-6). The "1 Floor" option is selected.
- Step 5: Select products** - The "Product setup" screen for "A Cabinet" showing a list of products (A1-A6) with their names, "Sell by piece" status, and "Price 0.1". The "A1 Whole chick" product is highlighted.

# Part II: Fast setup - Step 3



## 2.3.2 How to re-set the product selling prices (from mobile)

If you quote products from product database to a machine, the default selling prices will be the same as the ones you input when creating product database. However, you can re-set the product prices based on machines.





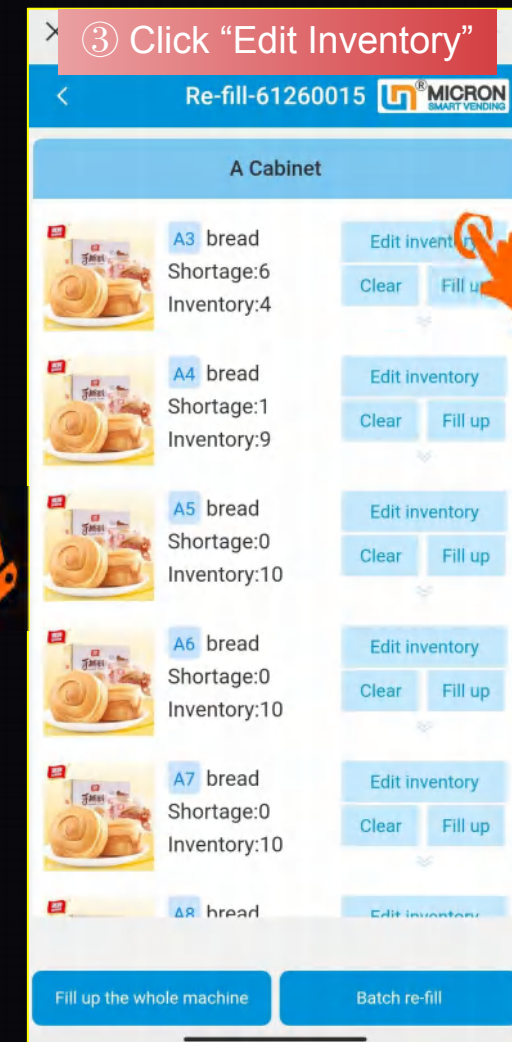
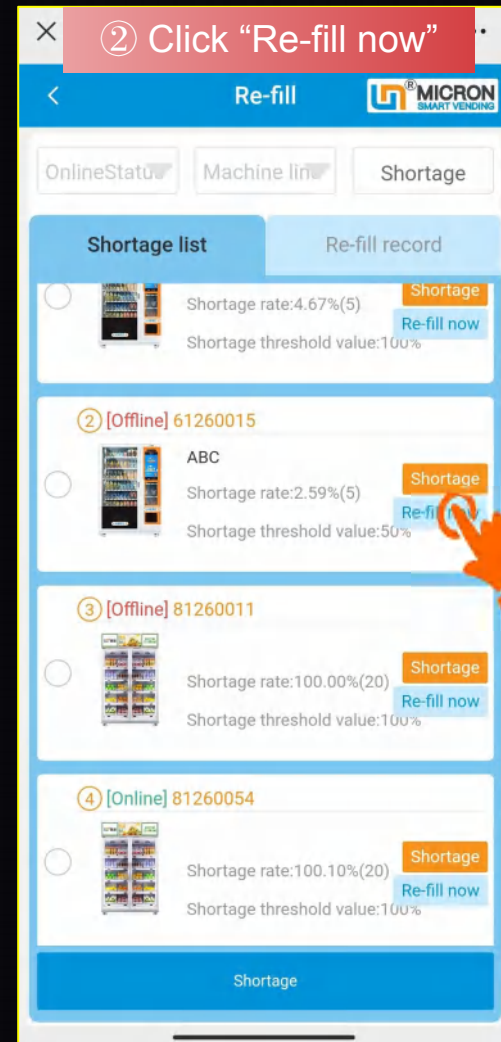
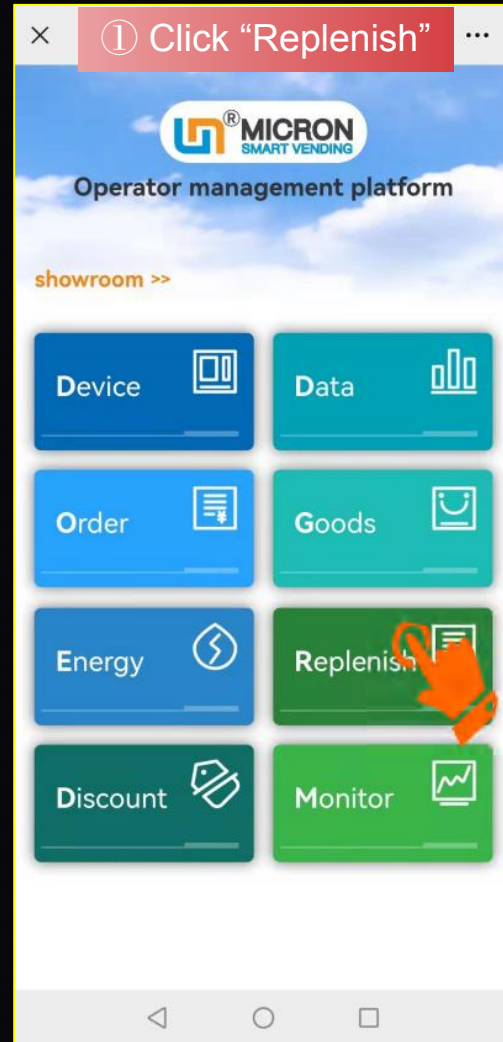
# Part II: Fast setup - Step 4



## 2.4 Fill the machine & replenish

Now the machine is ready for TESTING!

### Physical Replenishment



\*Shortcut: Fill up the whole floor /cabinet / machine by one button, or batch re-fill

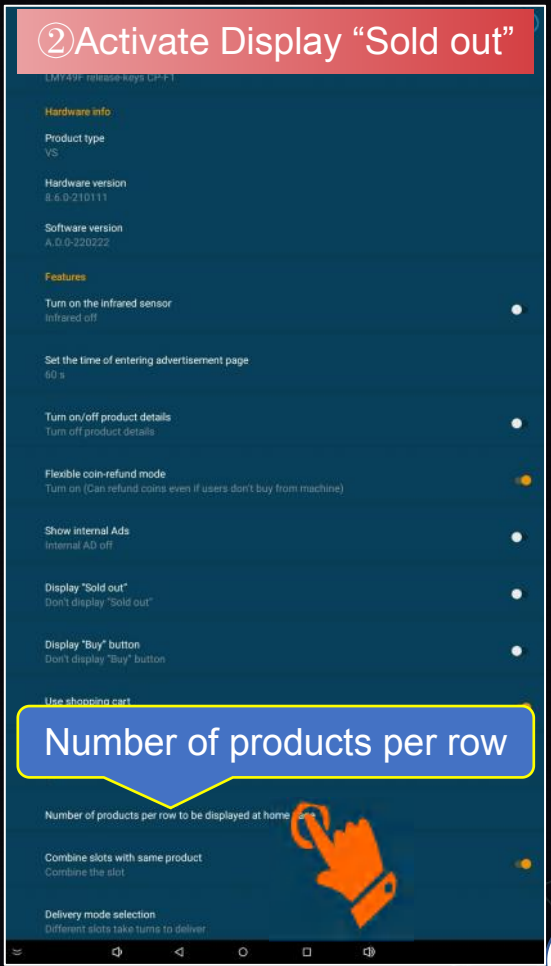
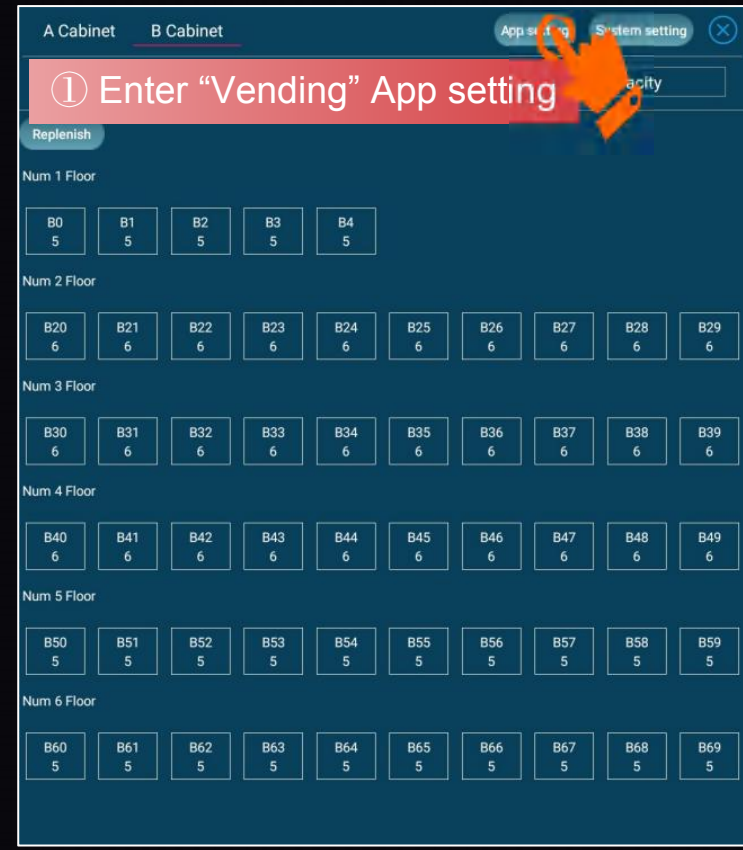


# Part III: Machine basic settings



## 3.1 How to set Number of products per row on machine screen

On machine screen, there are 2 number-options to display the products, either 4 products/row or 5 products/row. How to set?



How to enter "Vending" APP setting?  
 ---Refer to the above content 1.4

# Part III: Machine basic settings

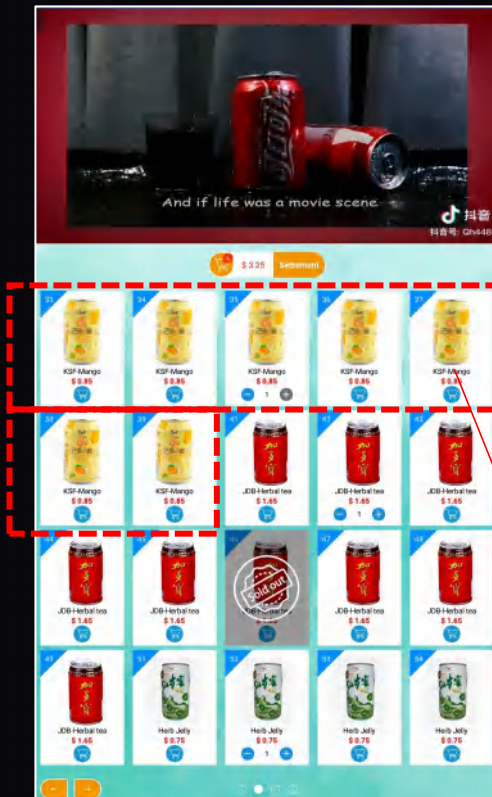


## 3.2 How to combine slots contained same product in the machine screen

Usually, all goods slots(with the slot# on the top left corner) will be displayed on the product page, when there are many slots, the products shall be displayed in 2 or 3 pages on the screen.

Standard mode: More pages, users need to slide left or right side to view the products before buying.

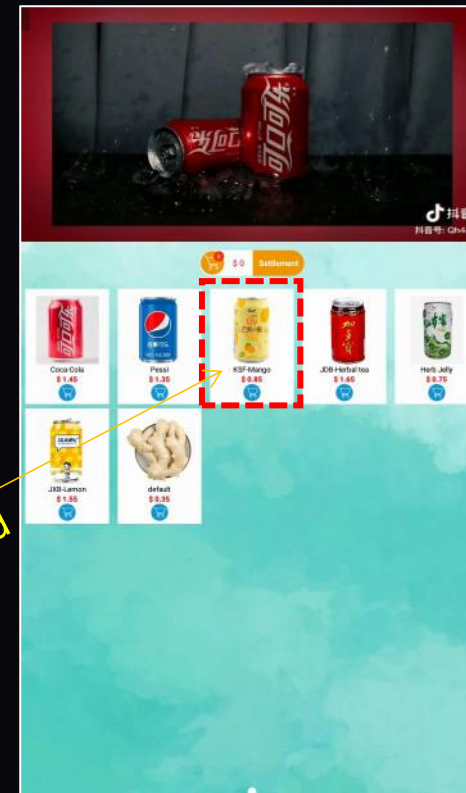
Combined mode: Less page, users can find and select what they need quickly.



**Before**

All slots are displayed. Users need to slide left or right side to view the products before buying

Same product in 7 different slots



**After**

All different products are displayed. Users can see all products in one page, and select the products quickly

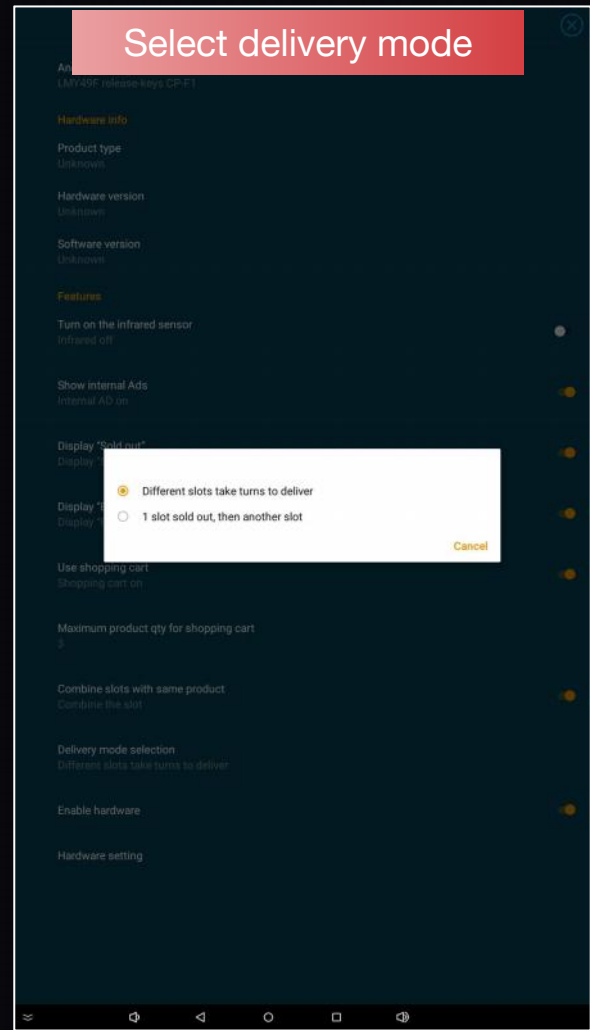
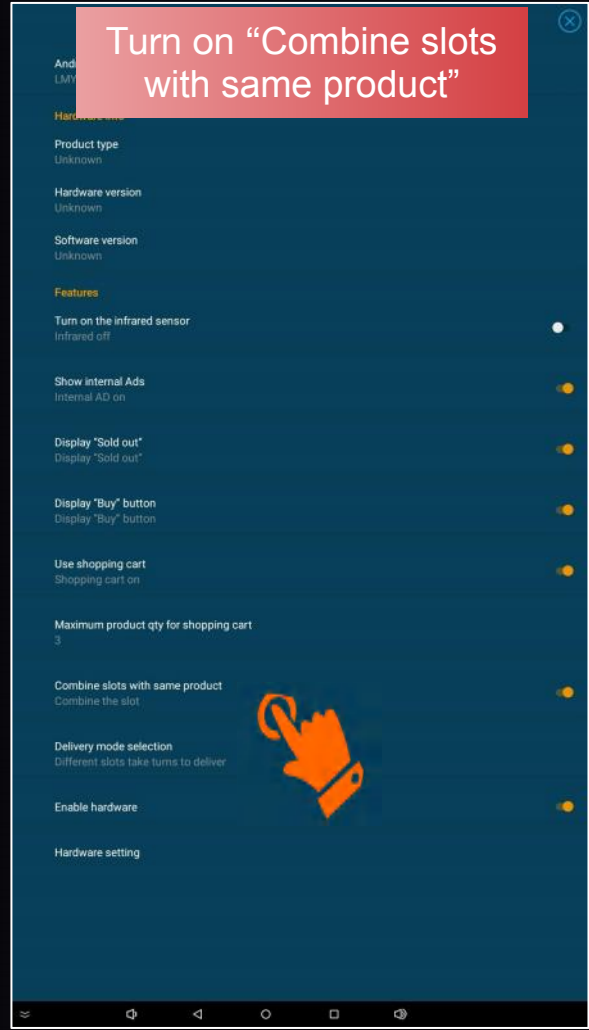
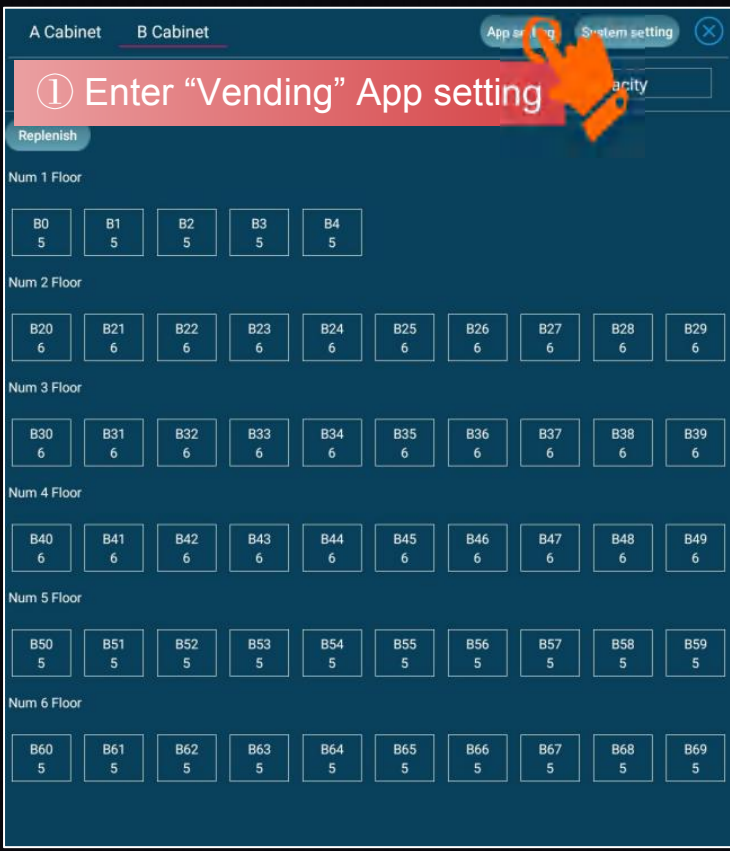
Combined

# Part III: Machine basic settings



## 3.2 How to combine slots contained same product in the machine screen

Combined slots with same product: the “slot number” will disappear from the top left corner of product image on buying page.



**Delivery mode selection:** e.g. when users buy 3 Red bulls, the products can be delivered from 3 different slots, or from 1 slot (will serve with another slot once the 1st slot is empty).

How to enter “Vending” APP setting?  
---Refer to the above content 1.4

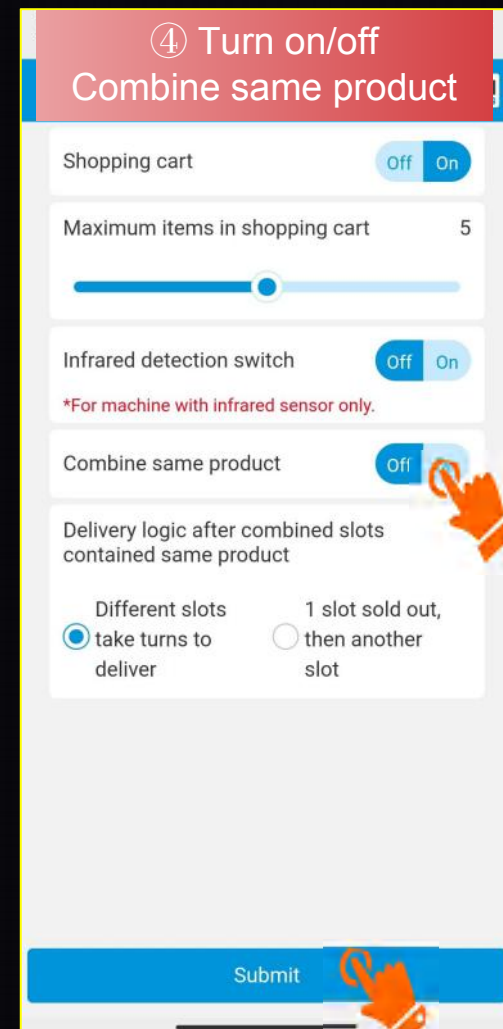
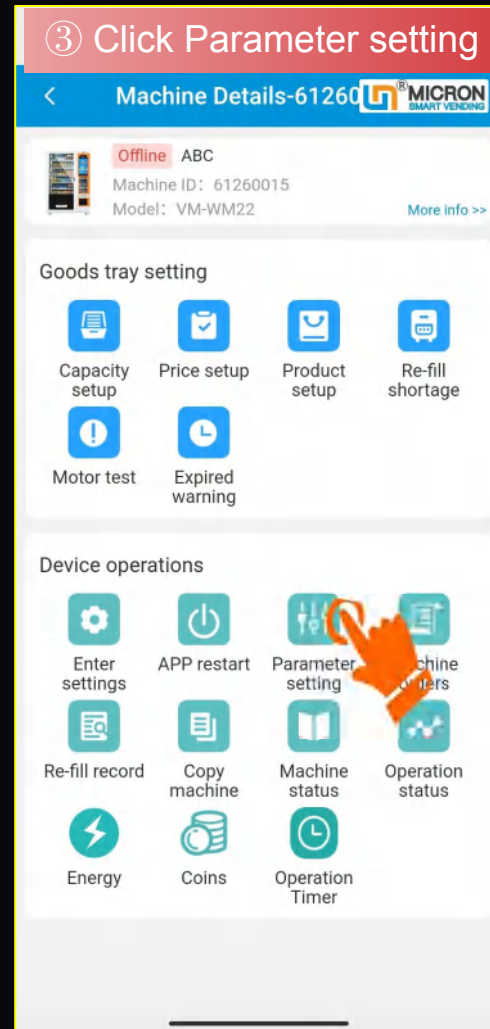
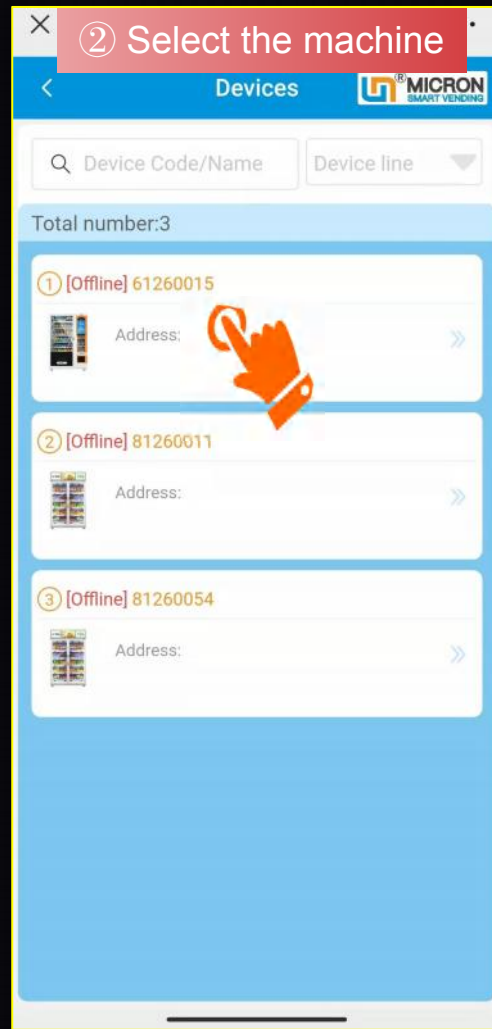
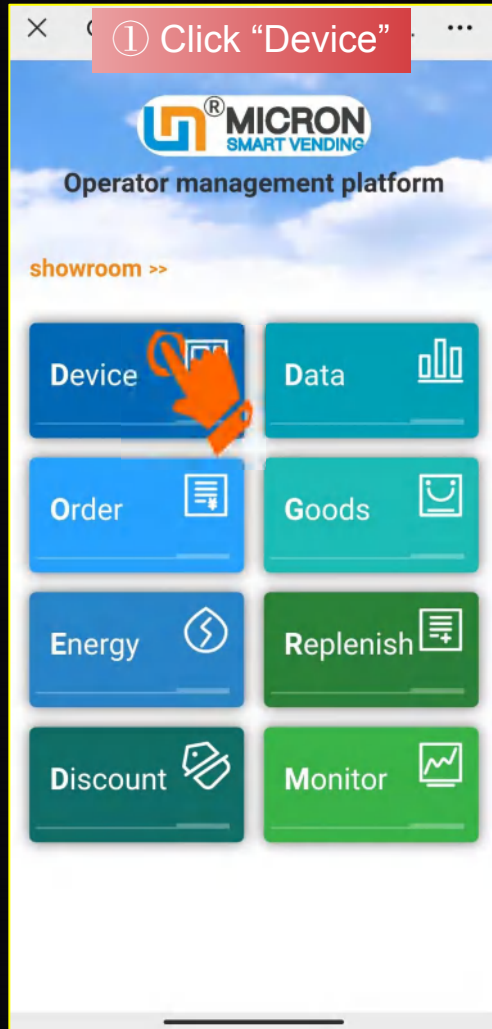


# Part III: Machine basic settings



## 3.2 How to combine slots contained same product in the machine screen

This can be done from the mobile system as well.



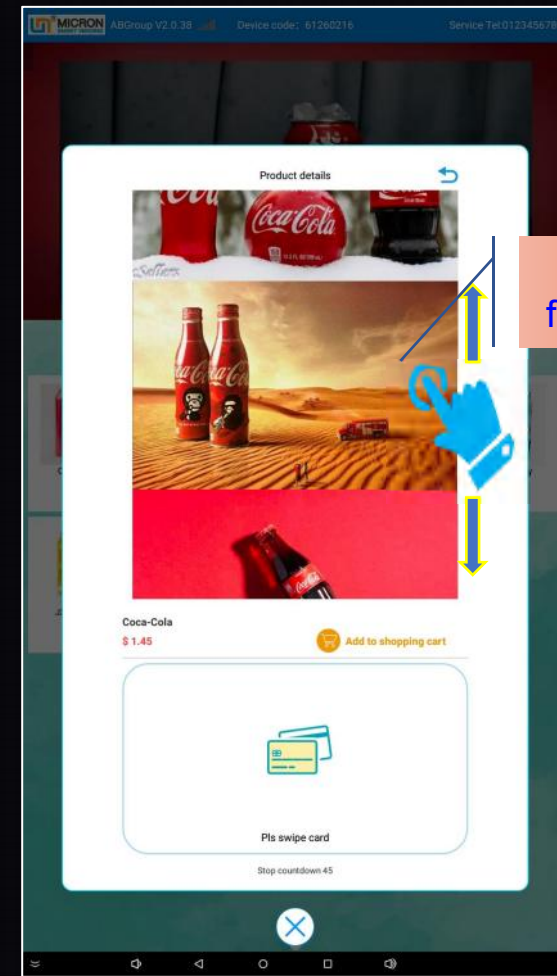
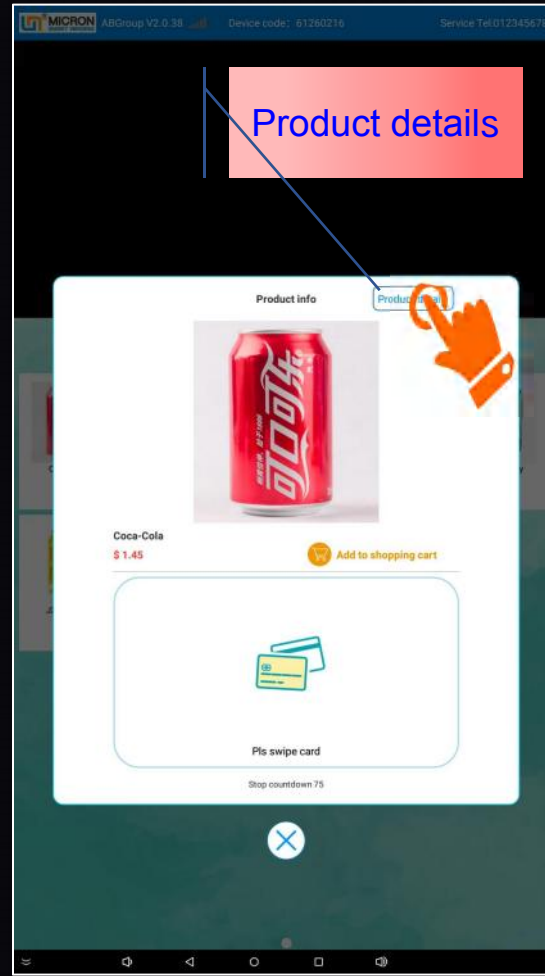
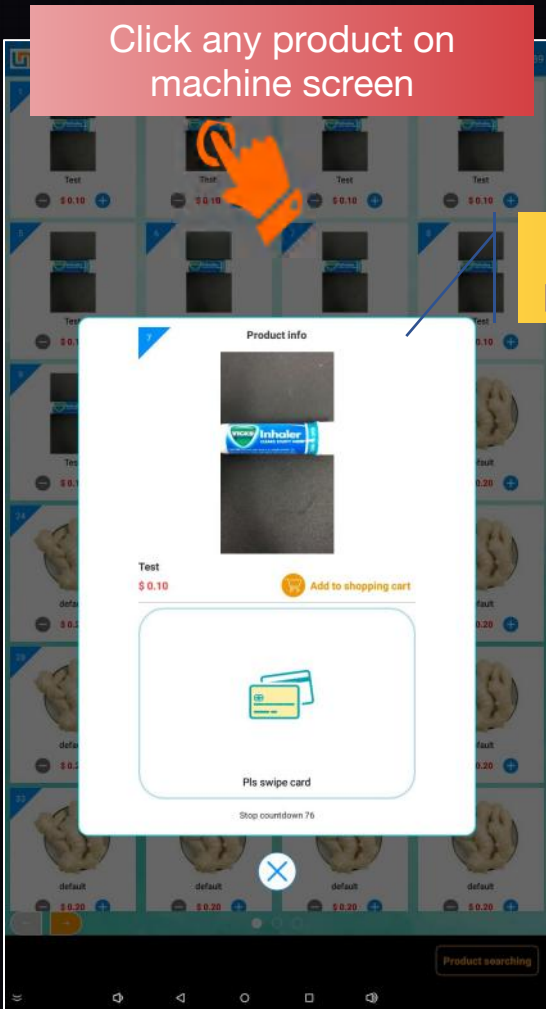


# Part III: Machine basic settings



## 3.3 How to turn on product details (from machine)

For some products, the users need to check more details before buying (similar to online shopping)



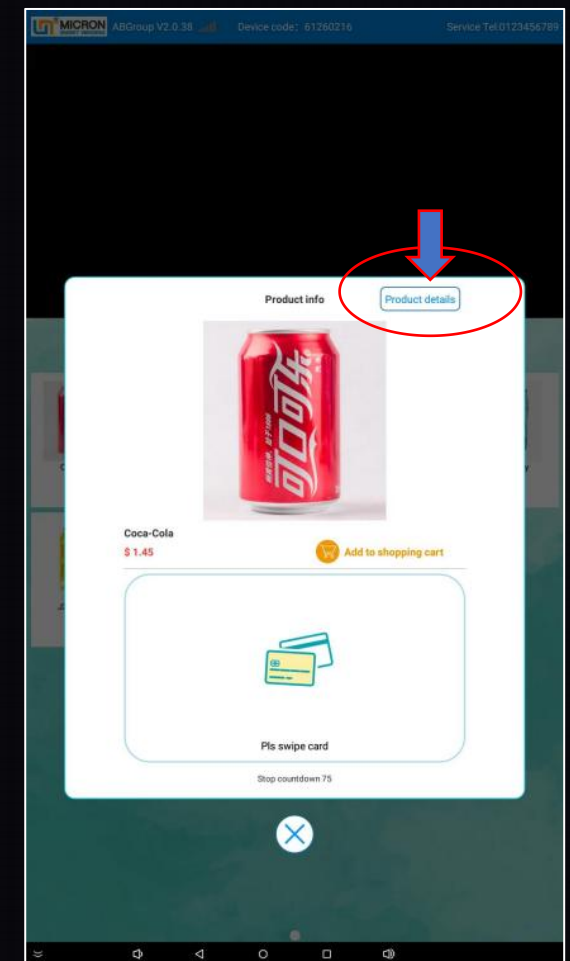
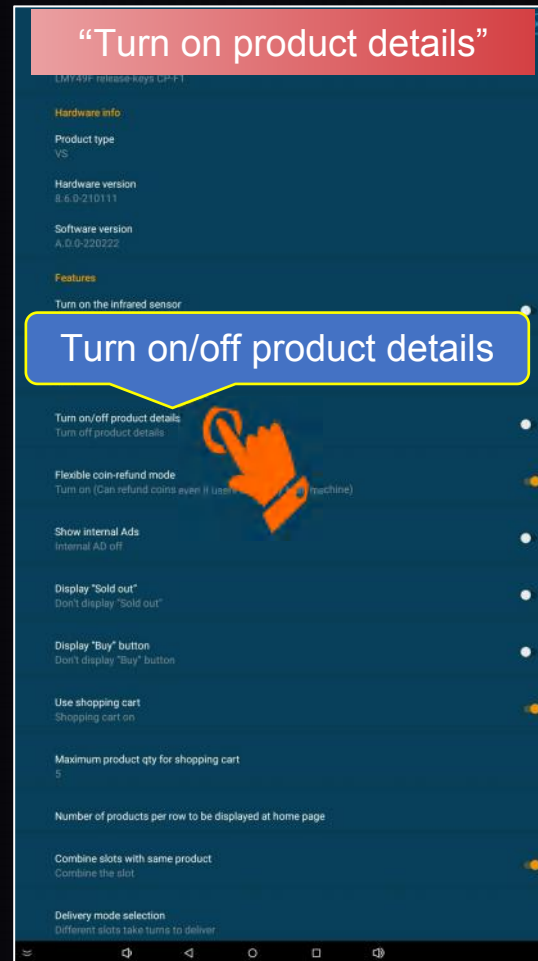
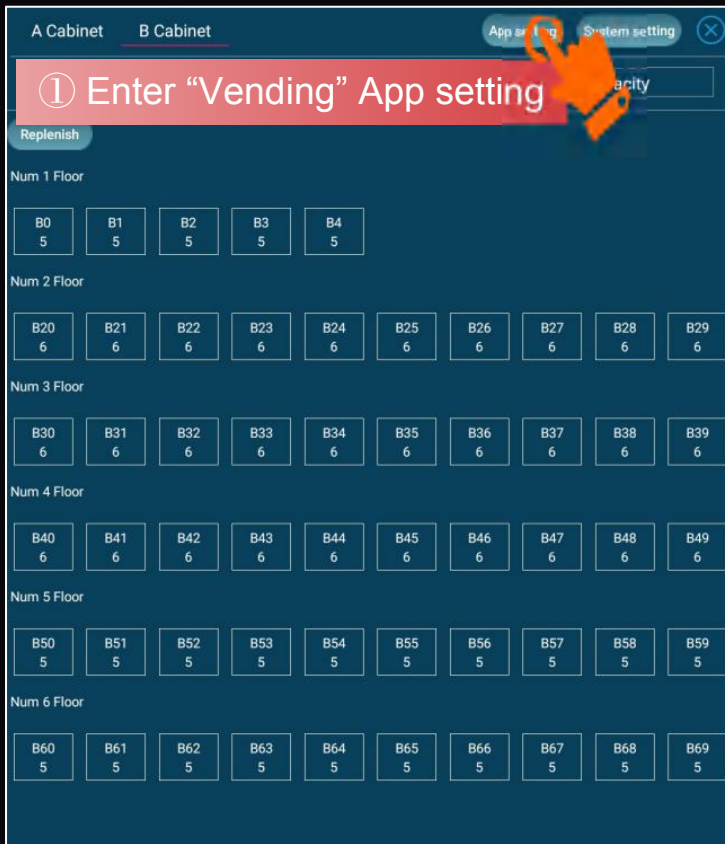
# Part III: Machine basic settings



## 3.3 How to turn on product details (from machine)

Turn on the “product details” from the APP setting.

The users will see “Product details” after they clicked any product image on the buying page.



**How to enter “Vending” APP setting?  
---Refer to the above content 1.4**

# Part III: Machine basic settings



## 3.3 How to turn on product details (from computer system)

Upload the images (Max. 10 images/product) of “product details” from computer management system.

Log in computer system, and then upload the product details accordingly

The screenshot shows the MICRON SMART VENDING web interface. On the left is a sidebar with navigation options: Home, Operation\_center, Goods\_manage, Goods\_type, Product data base, Machine\_manage, Advertising\_manage, Order\_manage, discount\_manage, and Replenishment Manage. The 'Product data base' option is highlighted. The main content area shows a table of products with columns for SN, Type, Code, Name, Price, Quantity, and Operation. A modal dialog box titled 'Update Detail' is open, featuring an 'Upload images' button with a camera icon, instructions: '\*Up to 10 pictures can be uploaded' and '\*Press the picture with the mouse long, can drag sort', and 'Cancel' and 'OK' buttons. A yellow arrow points to the 'Upload images' button in the dialog, and another yellow arrow points to the 'Update Detail' button in the table's 'Operation' column for the first product row.

SN	Type	Code	Name	Price	Quantity	Operation
1	Covers	0001	Cover iPhon...	5.00	500	Edit Update Detail Delete
2		164828607262-62175	Mask	1.00	1	Edit Update Detail Delete
3		164637719173-07486	KSF-Mango ...	1.45	1	Edit Update Detail Delete
4		164631900425-47844	Herbal tea	1.50	1	Edit Update Detail Delete
5	Bancos de Carga	123456789012-3	Banco de car...	5.00	1	700m Edit Update Detail Delete

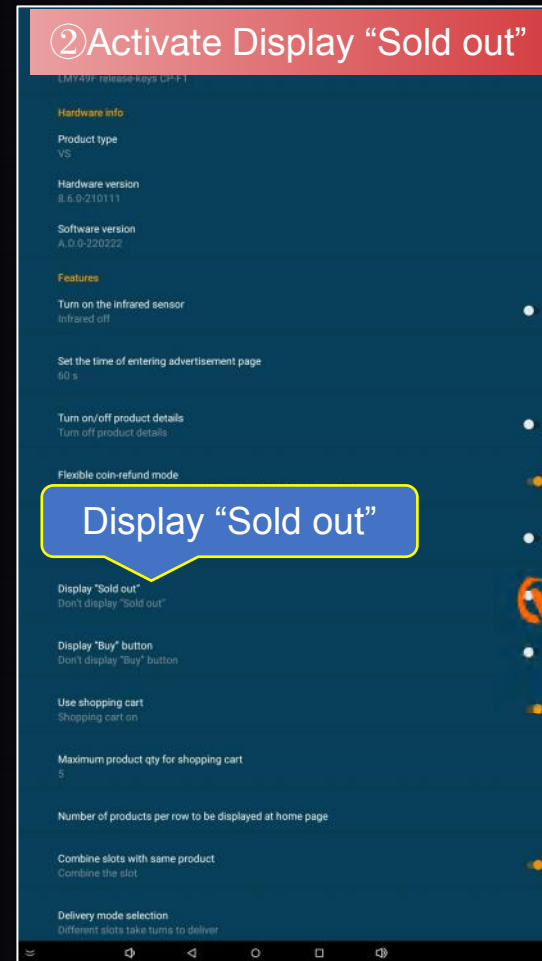
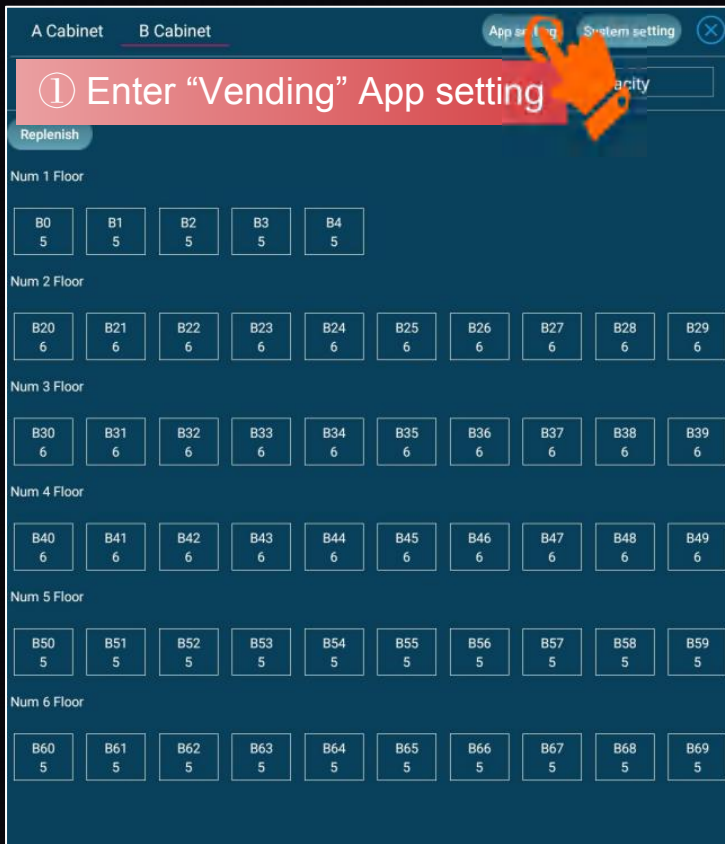


# Part III: Machine basic settings



## 3.4 How to display “Sold out” (from machine)

When a product is sold out, you can get it **hidden** or **displayed** on the machine screen. How to get it displayed? If you don't activate it, the sold out products will be disappeared on the product page.



How to enter “Vending” APP setting?  
---Refer to the above content 1.4



# Part III: Machine basic settings



## 3.5 How to amend the Capacity of the goods trays

If you found the Capacity of the slot on system is different from the actual, or you changed the spiral coils:

① Click "Device"

② Select the machine

③ Click "Capacity setup"

④ Select the tray

⑤ Edit slot capacity

# Part III: Machine basic settings



## 3.6 How to set product shelf life date (Expiration) & warning (from mobile)

For those items (such as food) which shall be sold before a specific date, you can set the shelf life dates for the products when you put them to the shelf, and set warnings a few days before they expired.

① Click "Device"

② Select the machine

③ Click Re-fill shortage

④ Click the you will see "Shelf life"

⑤ Set the Shelf life date, and warning date

# Part III: Machine basic settings



## 3.6 How to set product shelf life date (Expiration) & warning (from mobile)

After you set the dates, you will see the reminder as follow:

The screenshots illustrate the workflow: navigating to the 'Re-fill shortage' option in the machine details, viewing the product list where an expiration warning is triggered for 'A2 bread', and finally confirming the warning in a dialog box.

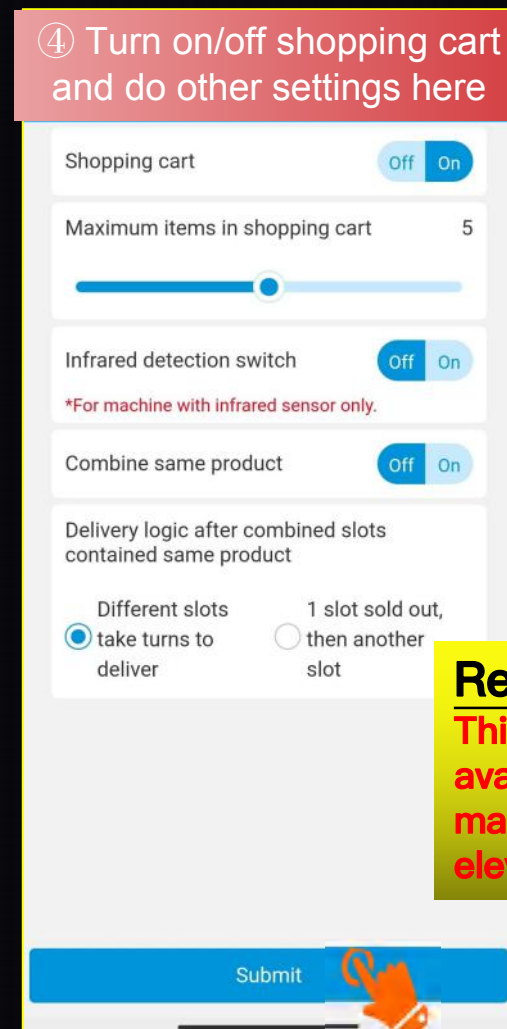
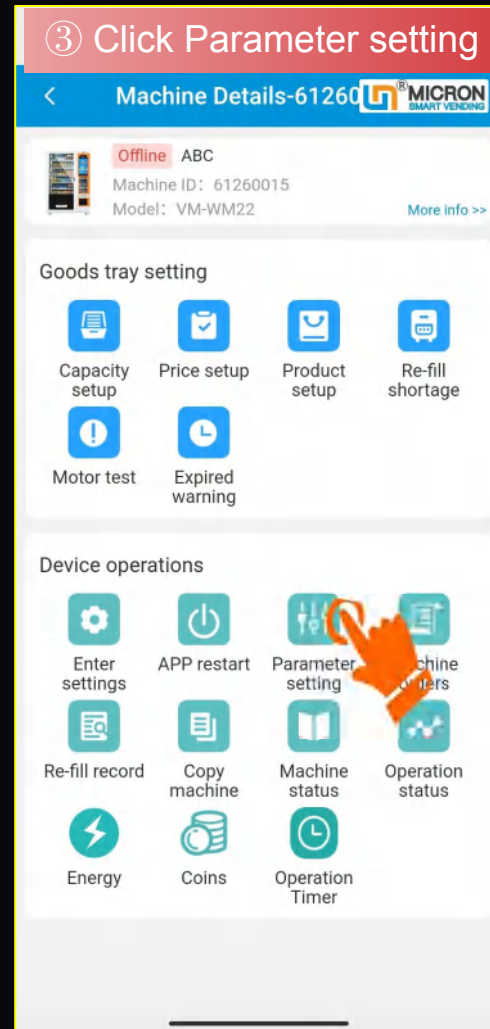
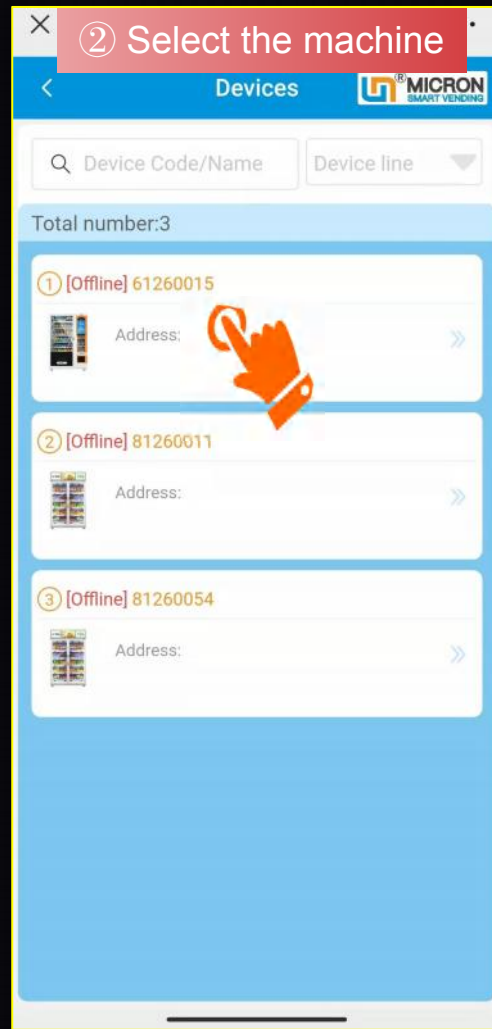
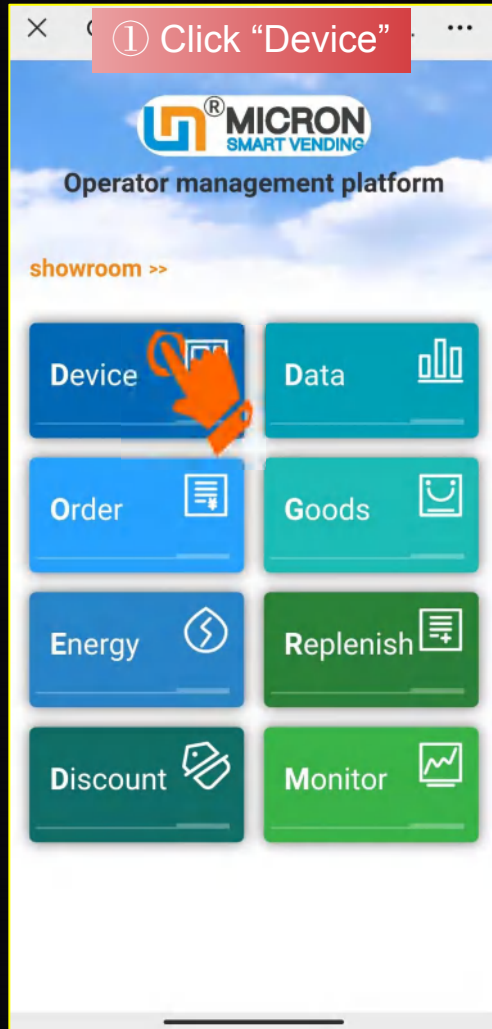


# Part III: Machine basic settings



## 3.7 How to turn on/ turn off Shopping Cart

The users can select a few products from machine screen (add to shopping cart), and then pay in 1 time.



**Remark:**  
This is not available for machine with elevator.

# Part III: Machine basic settings

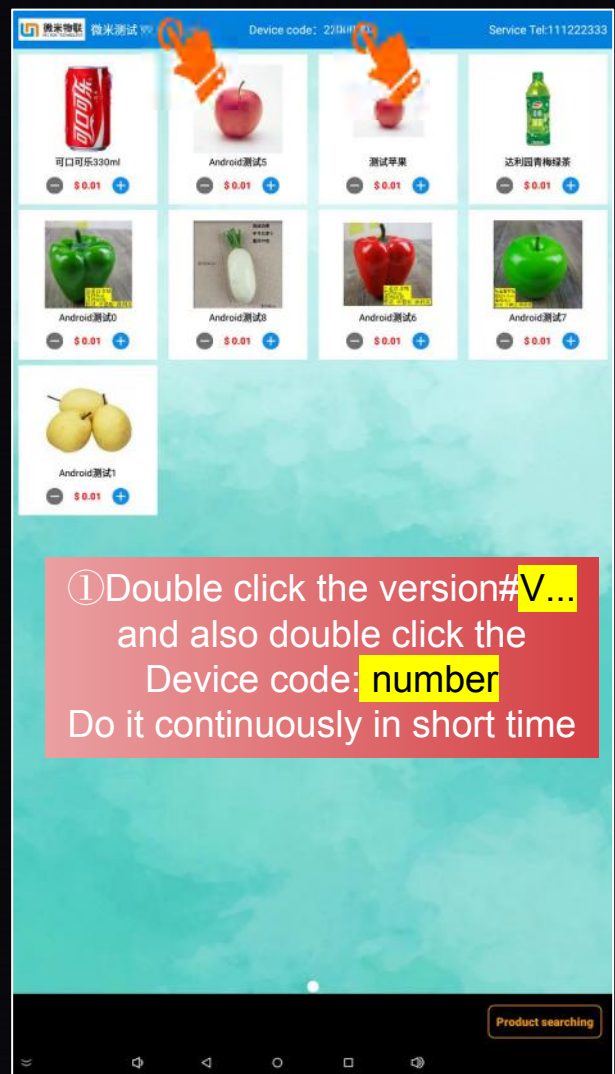


## 3.8 How to save coins to the coin machine (from machine)

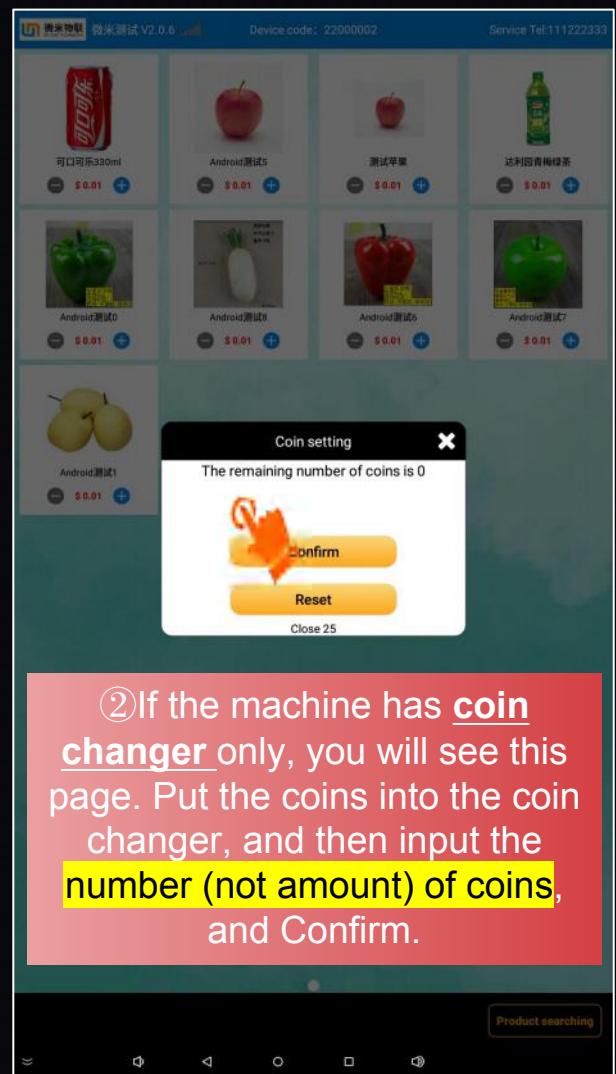


[www.youtube.com/watch?v=q5EBCHGN5c](http://www.youtube.com/watch?v=q5EBCHGN5c)

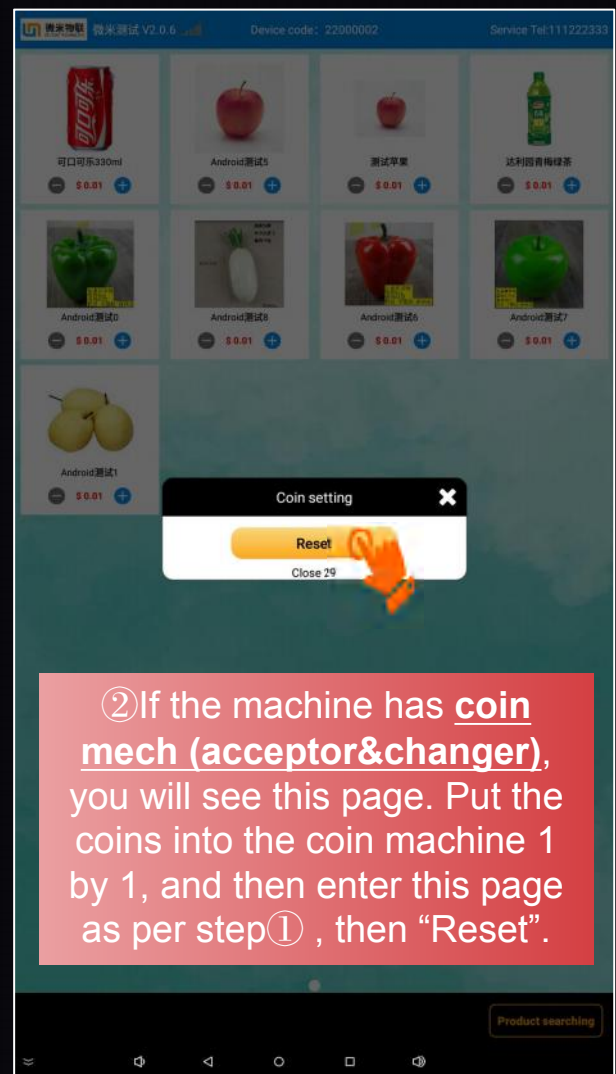
For those machines installed with a Coin changer(only change) or Coin machine(accept&change)



① Double click the version# **V...** and also double click the Device code: **number**  
Do it continuously in short time



② If the machine has **coin changer** only, you will see this page. Put the coins into the coin changer, and then input the **number (not amount) of coins**, and Confirm.



② If the machine has **coin mech (acceptor&changer)**, you will see this page. Put the coins into the coin machine 1 by 1, and then enter this page as per step ①, then "Reset".

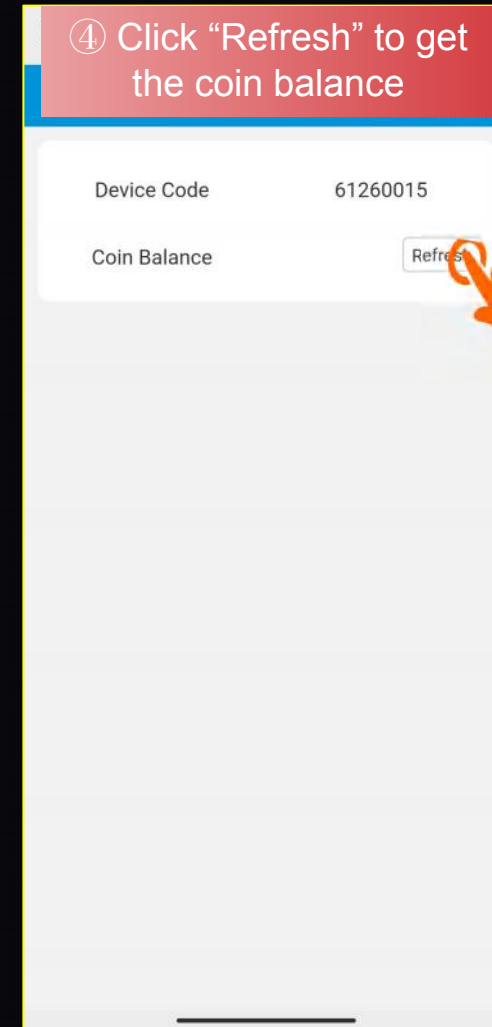
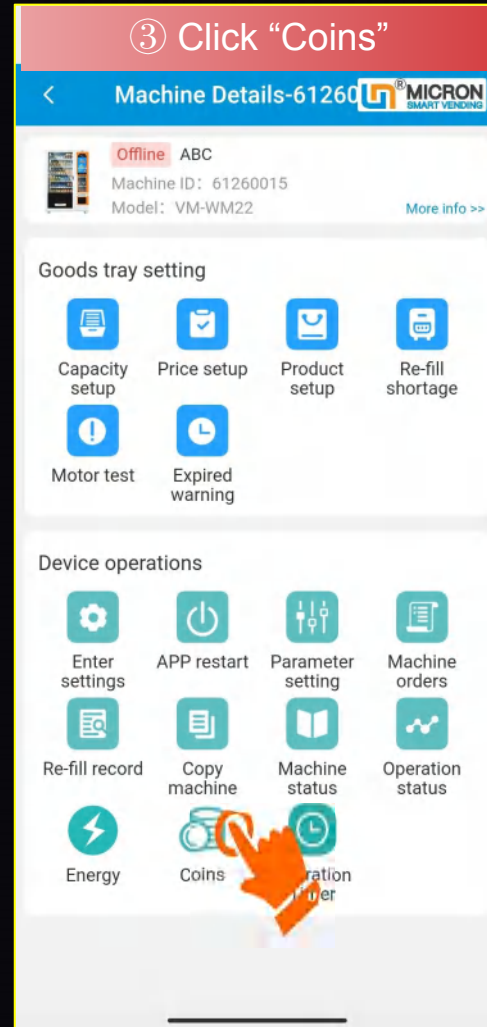
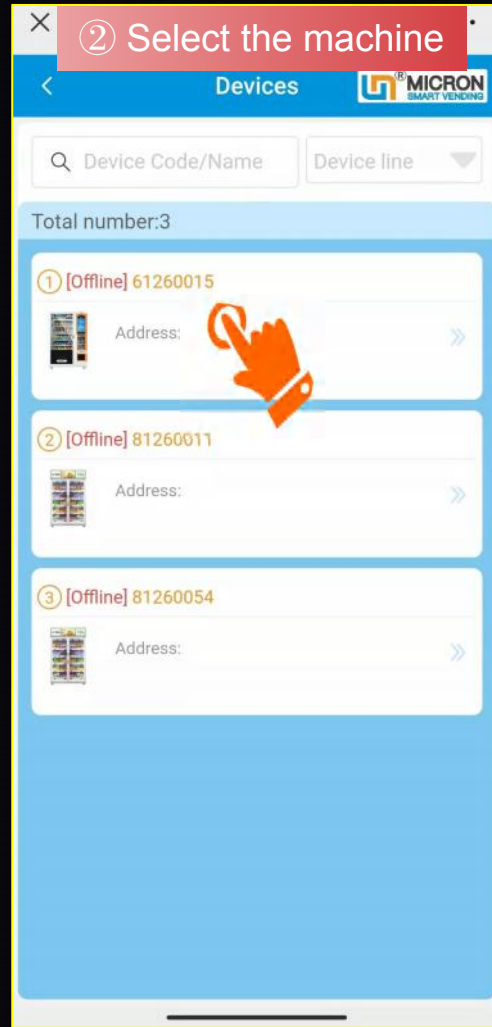
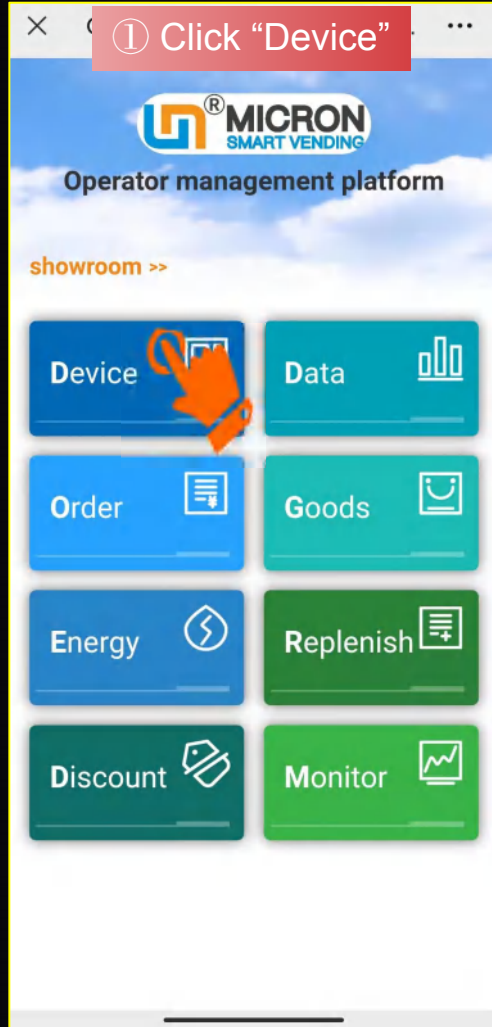
Remark:  
If your vending machines can return coins, please make sure there are enough coins inside the coin machine, to maintain the normal operation.

# Part III: Machine basic settings



## 3.9 How to check the Balance amount of the coins (from mobile)

Please make sure there are enough coins for change, to avoid abnormal transaction due to coin shortage.





# Part III: Machine basic settings



## 3.10 How to set Currency Symbol of selling price

① Enter "Vending" App setting

Slot inventory Motor test Slot capacity

Replenish

Num 1 Floor

B0 5	B1 5	B2 5	B3 5	B4 5
---------	---------	---------	---------	---------

Num 2 Floor

B20 6	B21 6	B22 6	B23 6	B24 6	B25 6	B26 6	B27 6	B28 6	B29 6
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

Num 3 Floor

B30 6	B31 6	B32 6	B33 6	B34 6	B35 6	B36 6	B37 6	B38 6	B39 6
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

Num 4 Floor

B40 6	B41 6	B42 6	B43 6	B44 6	B45 6	B46 6	B47 6	B48 6	B49 6
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

Num 5 Floor

B50 5	B51 5	B52 5	B53 5	B54 5	B55 5	B56 5	B57 5	B58 5	B59 5
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

Num 6 Floor

B60 5	B61 5	B62 5	B63 5	B64 5	B65 5	B66 5	B67 5	B68 5	B69 5
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

② Scroll down to the bottom, then click "Enable hardware" → "Hardware setting"

Product type VS

Hardware version 8.1.1-201029

Software version F.V.B-220530

Features

Turn on the infrared sensor Infrared off

Set the time of entering advertisement page 60 s

Turn on/off product details Turn off product details

Flexible coin-refund mode Turn on (Can refund coins even if users don't buy from machine)

Show internal Ads Internal AD off

Display "Sold out" Display "Sold out"

Display "Buy" button Display "Buy" button

Number of products per row to be displayed at home page 4

Combine slots with same product Don't combine slot

Enable hardware

Hardware setting

③ Select the Currency symbol that you need, and the symbol position: before or behind price

Currency symbol P

Symbol position Before

Card payment setting

Turn on "Payment by cash"

Coin refund denomination 500

Bill refund denomination 0

Auto delivery

Turn on coin machine

coin machine type  TM600F  ICT UCA

Serial port of the coin machine dev/ttyS3

Set UCA coin acceptor

Turn on the printer

Turn on the coin changer with serial port

Serial port of the coin changer dev/ttyS3

Turn on hot water machine

Turn on QR code scanner

Serial port of scanner dev/ttyS1

How to enter "Vending" APP setting?  
---Refer to the above content 1.4

# Part III: Machine basic settings



## 3.11 How to set payment system (based on the actual payment system)

Hardware setting

Currency symbol P

Symbol position Before

Card payment setting

Turn on "Payment by cash"

Coin refund denomination 500 **Unit: Cents**

Bill refund denomination 0 **Unit: Cents**

Auto delivery

Turn on coin machine

coin machine type  TM600F  ICT UCA

Serial port of the coin machine dev/ttyS3

Set UCA coin acceptor

Turn on the printer

Turn on the coin changer with serial port

Serial port of the coin changer dev/ttyS3

Turn on hot water machine

Turn on QR code scanner

Serial port of scanner dev/ttyS1

How to enter this page? Check the previous page...

Basically we set the payment system in our factory, the following info. is for your better understanding:

Click "**Card payment setting**" to set the card readers;

Click "**Payment by cash**" to set the bill validator and coin machine; If it can refund single-denomination changes, then set the denomination [unit: cents]

Click "**Turn on coin machine**" to set the coin acceptor which accept coin only(not refund small changes);

Click "**Turn on coin changer**" to set the coin changer which refund coin only (not accept coins);

Click "**Turn on QR code scanner**" to enable payment by E-wallets;

# Part III: Machine basic settings



## 3.12.1 How to edit machine info. (PC system)

After you deployed the machine to a location for operation, you can edit the machine info., add the Machine name, Deployment location... Which will be shown on the Mobile system --- “Device” module, and it will enhance your operation efficiency.

Log in the computer system, then follow the steps ①②③④, you will see all your machines list

SN	Machine ID	Model name	Machine name	Line	Operating
1	612601	WM22-W	ABC	20	Export inventory Export Stockout Device Coin
2	81260011	WMZLS		20	Export inventory Export Stockout Device Coin
3	81260042	WMZLD		20	Export inventory Export Stockout Device Coin
4	81260054	WMZLS		20	Export inventory Export Stockout Device Coin



# Part III: Machine basic settings



## 3.12.1 How to edit machine info. (PC system)

Click "Edit", and then input the Machine name, and Deployment location

The screenshot shows the PC interface for editing machine information. A modal dialog titled "Edit" is open, with the following fields:

- \* Machine name: ABC
- Deployment scenario: Unknown
- \* Deployment location: Micron showroom

The "OK" button is highlighted with a red box and a blue cursor icon. In the background, a blue button with a right-pointing arrow is also highlighted with a red box and a blue cursor icon, indicating the "Edit" action.

On mobile system - Device

The screenshot shows the mobile interface for managing devices. The "Devices" screen displays a list of devices with the following details:

- Total number: 4
- ① [Offline] 61260015: ABC, Address: Micron showroom
- ② [Offline] 81260011: Address:
- ③ [Offline] 81260042: Address:
- ④ [Online] 81260054

# Part III: Machine basic settings



## 3.12.2 How to upload LOGO & Service Tel. to the machine/system

Log in the computer system, and then follow the steps ①②③④ to upload logo image and input Service Tel

The screenshot shows the 'Operator\_info' page in the system management interface. The left sidebar contains a menu with 'system\_manage' (step 1) and 'Operator\_info' (step 2) highlighted. The main content area shows a table with one row for 'showroom'. The 'Operation' column for this row has an 'Operator settings' button (step 3). Below this, a detailed view of the settings is shown, with 'logo' (step 4) and 'Hot line' (1234xxx) highlighted. Callouts explain that the logo will be displayed on the machine screen and computer/mobile systems, and the hot line will be displayed on the machine screen.

Vendor name	Location	Vendor type	Business name	Business license	Bu	Operation
showroom	showroom	Personal	showroom	showroom	sh	Edit Operator settings

System language	System name	logo	Color	Hot line	Join phone	If auto refund	Operation
05ec3000	英文			1234xxx		No	Edit

Will be displayed on machine screen and computer & mobile systems

Will be displayed on machine screen

# Part III: Machine basic settings



## 3.12.2 How to upload LOGO & Service Tel. to the machine/system

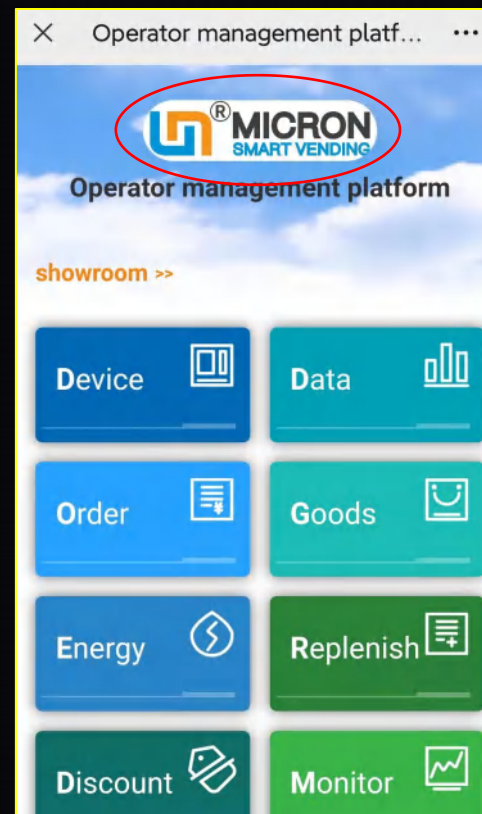
LOGO & Service Tel. on machine screen



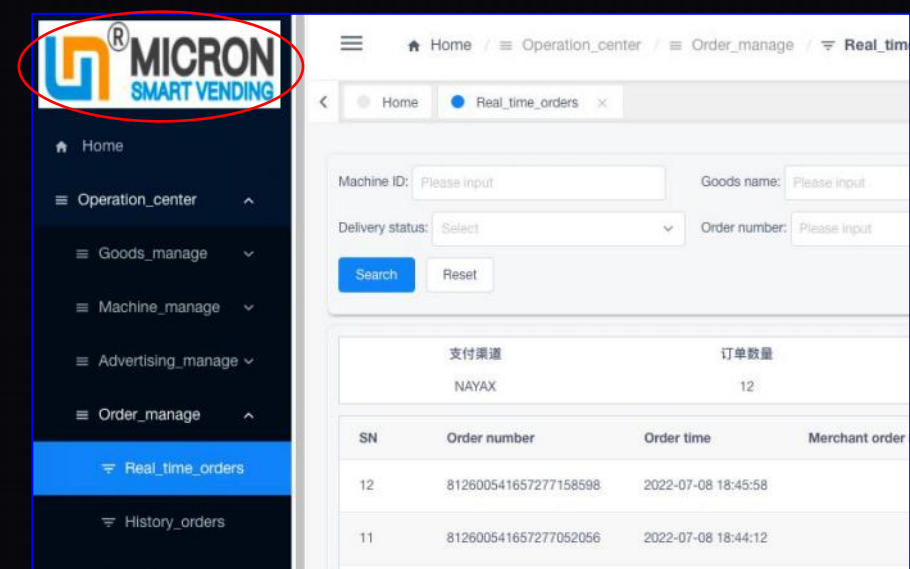
Upload logo and service Tel. No.

[www.youtube.com/watch?v=W6jyQSCwHqI&list=PLybk6qby1fLV4A5jbd9gYs5V19DjXMCMY&index=8](https://www.youtube.com/watch?v=W6jyQSCwHqI&list=PLybk6qby1fLV4A5jbd9gYs5V19DjXMCMY&index=8)

LOGO on mobile system



LOGO on computer system





# Part IV: Features dictionary



## 4.1 How to upload advertisement (PC system)

How to upload advertisements?

<https://www.youtube.com/watch?v=BNJ49G07CmY>

Log in the computer system, and then follow the steps ①②③④ to upload new ads to the system

The screenshot shows the MICRON SMART VENDING PC interface. On the left, a sidebar menu contains several items: 'Operation\_center', 'Goods\_manage', 'Machine\_manage', 'Advertising\_manage', 'Ad\_content', 'Ad\_release', 'Order\_manage', 'discount\_manage', 'Replenishment Manage', 'Monitoring\_center', 'Data\_center', 'Member\_manage', 'system\_manage', and 'Agent'. The 'Advertising\_manage' item is highlighted with a red box and a circled '2'. The 'Ad\_content' item is also highlighted with a red box and a circled '3'. The 'Add new' button in the main content area is highlighted with a red box and a circled '4'. A modal dialog box titled 'Add ad content' is open in the center, containing the following fields: 'Ad placement' (dropdown), 'Ad SN' (input field with a note 'please fill only number (no more than 3 digits)'), 'Ad type' (dropdown), 'Ad name' (input field), and 'Remarks' (input field). The dialog has 'Cancel' and 'OK' buttons at the bottom. In the background, a table lists advertisement details with columns for SN, ID, Ad scenario, Ad placement, Ad type, Ad name, Remarks, Display time(s), Data state, and Operation. The table contains 8 rows of data.

SN	ID	Ad scenario	Ad placement	Ad type	Ad name	Remarks	Display time(s)	Data state	Operation
1	1	When idle					0	Normal	Edit Delete
2	1	When idle					10	Normal	Edit Delete
3	723 5ab 083 585 000	When idle					5	Normal	Edit Delete
4	1	When idle					5	Normal	Edit Delete
5	1	When idle					5	Normal	Edit Delete
6	1	When idle	105	Images	apple	http://nw...	2	Normal	Edit Delete
7	723 5ab 083 585 000	When idle	202	Video	half screen test	http://nw...	0	Normal	Edit Delete
8	1	When idle	106	Video	33	http://nw...	0	Normal	Edit Delete

Remark:

If you want to let a machine play Ads, there are 2 steps:

1. Upload Ads to the system;
2. Publish Ads to the machine.



## 4.1 How to upload advertisement (PC system)

Fill in the required Ad content

Add ad content

\* Ad placement: 1 - Full screen (when no one use machine)

\* Ad SN: 203  
please fill only number (no more than 3 digits)

\* Ad type: Images

\* Ad name: DEMO

\* Link address: Please input  
Upload images

\* Display time(s): Please input

Remarks: Please input

Cancel

Uploaded advertisement should be:

- ✘ Video (<20M/video)
- ✘ Photo(<2M/photo)
- ✘ Words

Advertisement placement can be

- ✘ Full screen (when no body buying)
- ✘ Internal screen (product buying page)
- ✘ The uploaded Ads can be released to any or all machines under the user name.

# Part IV: Features dictionary



## 4.1 How to upload advertisement (PC system)

※ Select the Ad\_contents from database which was created in above step;

※ Release to all the machines, or a Designated line, or a Designated machine.

Home / Operation\_center / Advertising\_manage / Ad\_release

Welcome: showroom

Scenario: Please select    Ad type: Please select    Ad name: Please input    Machine ID: Please input

Status: Please select    Search    Reset

Ad publish

SN    Ad scenario    Publish

Select ad: Select

\* Publish to:  All machines     Designated line     Designated machine

select machine: Select

Cancel    OK

8	When idle	Machine:612 60015	Images	fridge	http://nwmoos.oss-c...	5	Edit status    Delete
9	When idle	Machine:612 60015	Video	33	http://nwmoos.oss-c...	0	Edit status    Delete

Total 9 items    1    Goto 1



# Part IV: Features dictionary



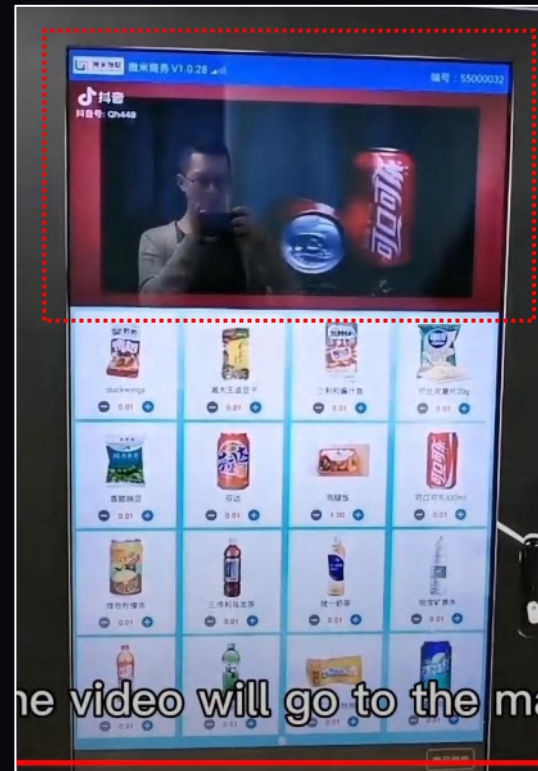
## 4.1 How to upload advertisement (PC system)

Full screen Ad



Click Screen to enter product buying page

Internal screen Ad



the video will go to the ma

✘ In original setting, Internal screen Ad will not be shown, only full screen product page.

Need to active Internal screen Ad. (Next page will be the instruction)

# Part IV: Features dictionary

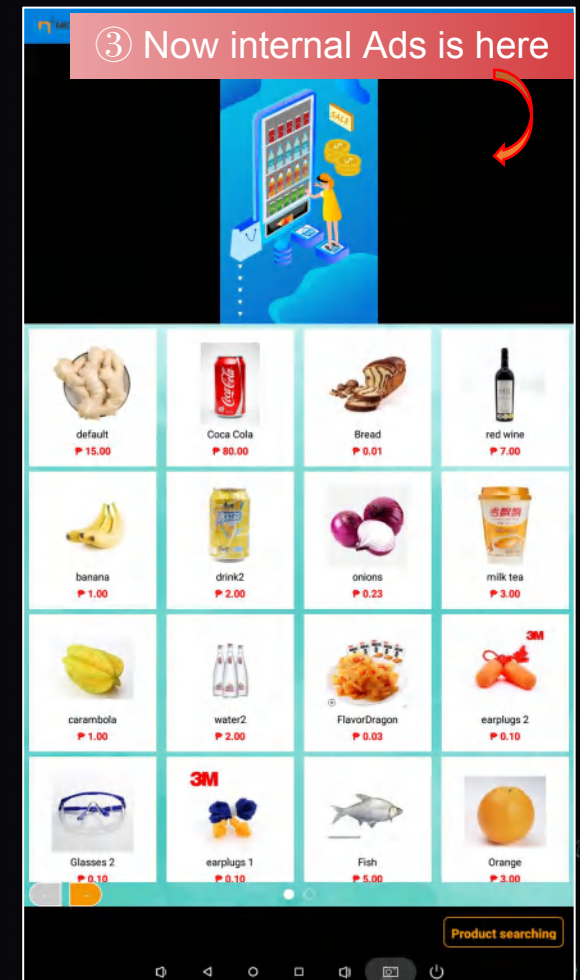
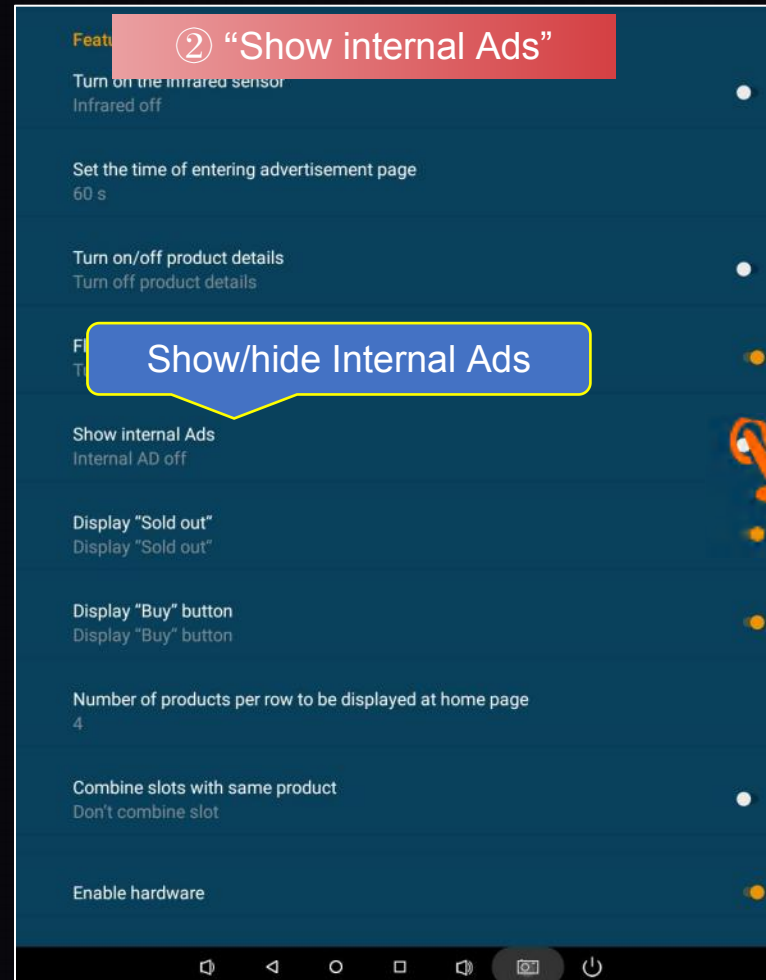
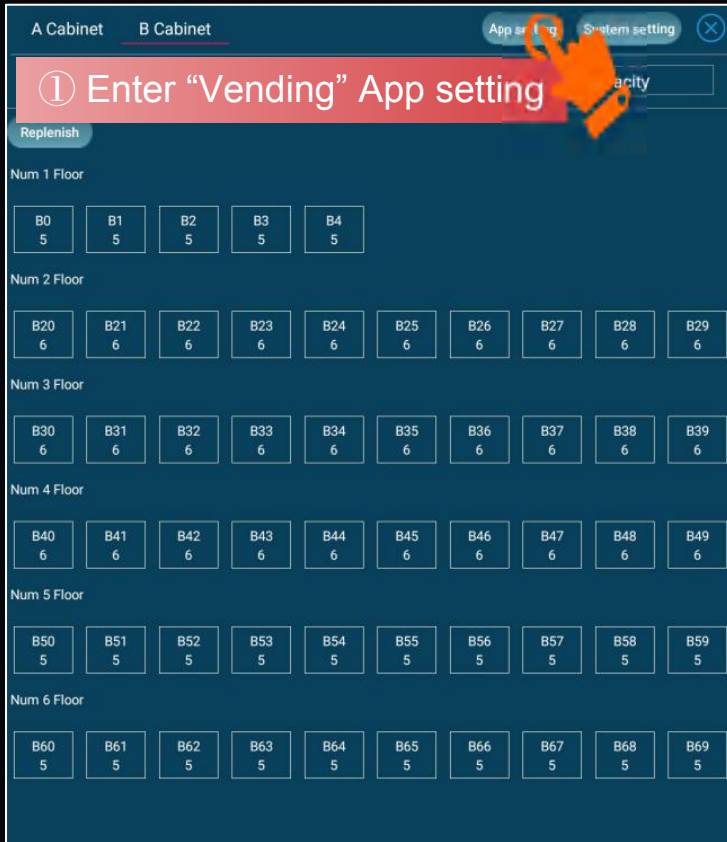


## 4.1 How to upload Internal screen advertisement

Turn on the feature of “Show internal Ads” from the APP setting. Then you will see the area for internal Ads on the buying page.

Customized APP setting & hardware

<https://www.youtube.com/watch?v=p5pEYDP>



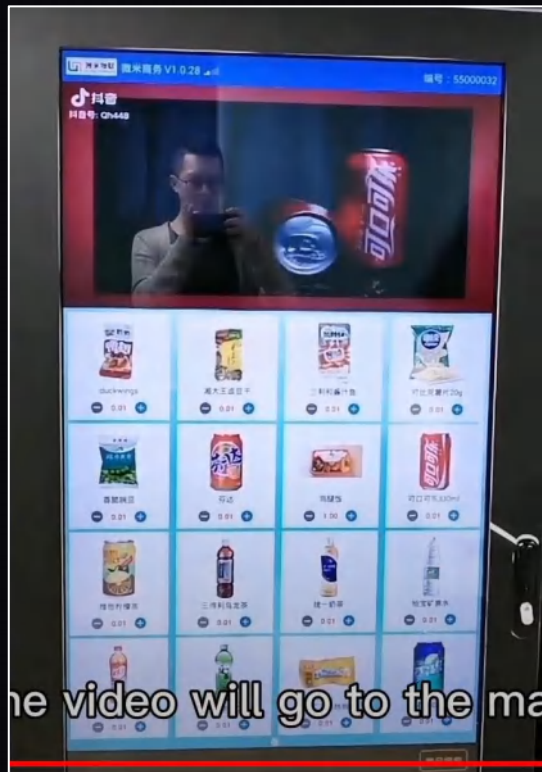
How to enter “Vending” APP setting?  
---Refer to the above content 1.4

# Part IV: Features dictionary



## 4.2 How to set the time of entering advertisement page (from machine)

After you uploaded advertisement, when no one use the machine for a while, it will enter into advertisement page automatically. The default waiting time will be 60s...And you can re-set the waiting time from the machine screen.



Buying page

60s Later... →

Play Ads



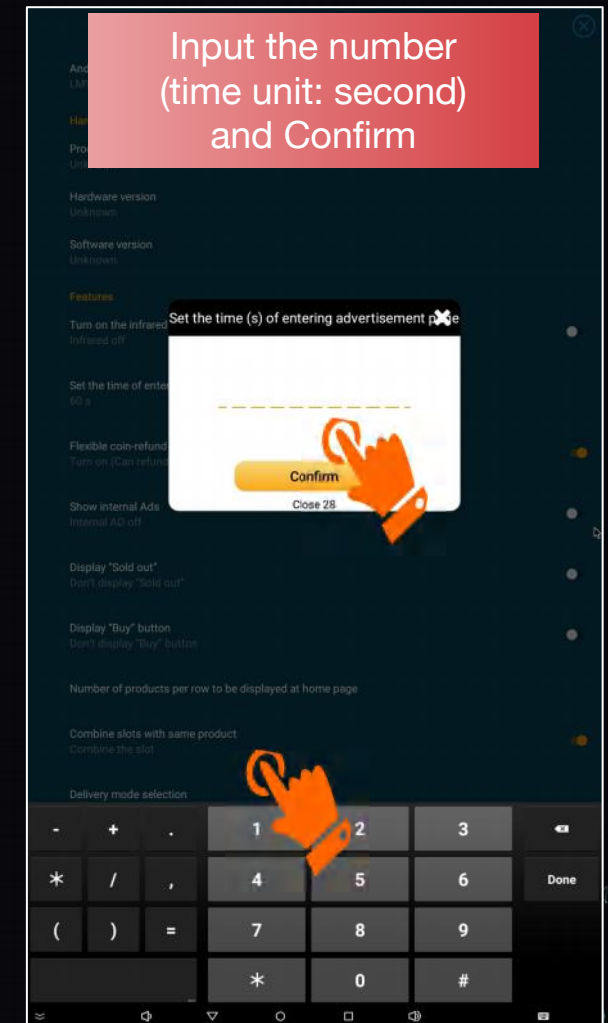
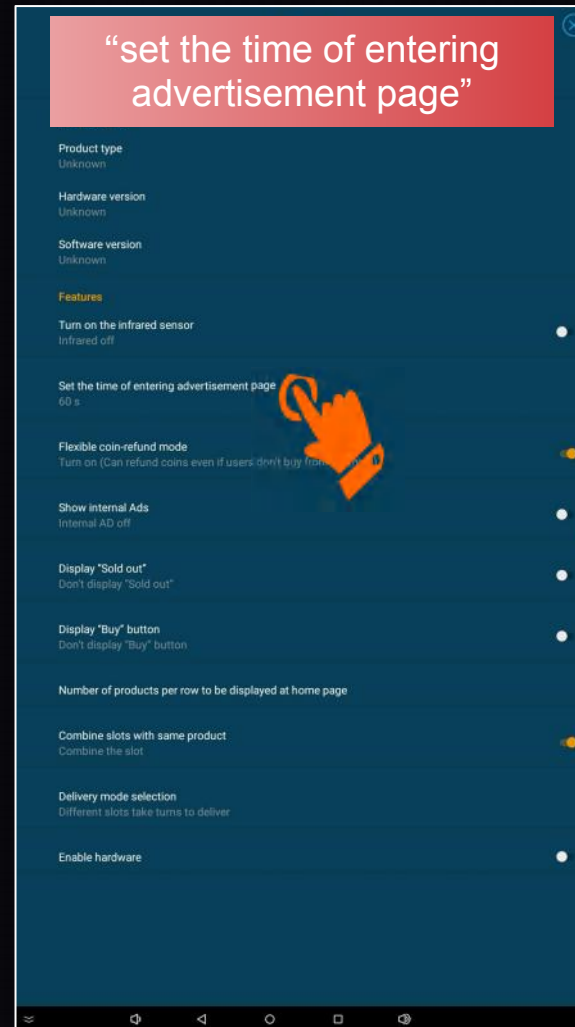
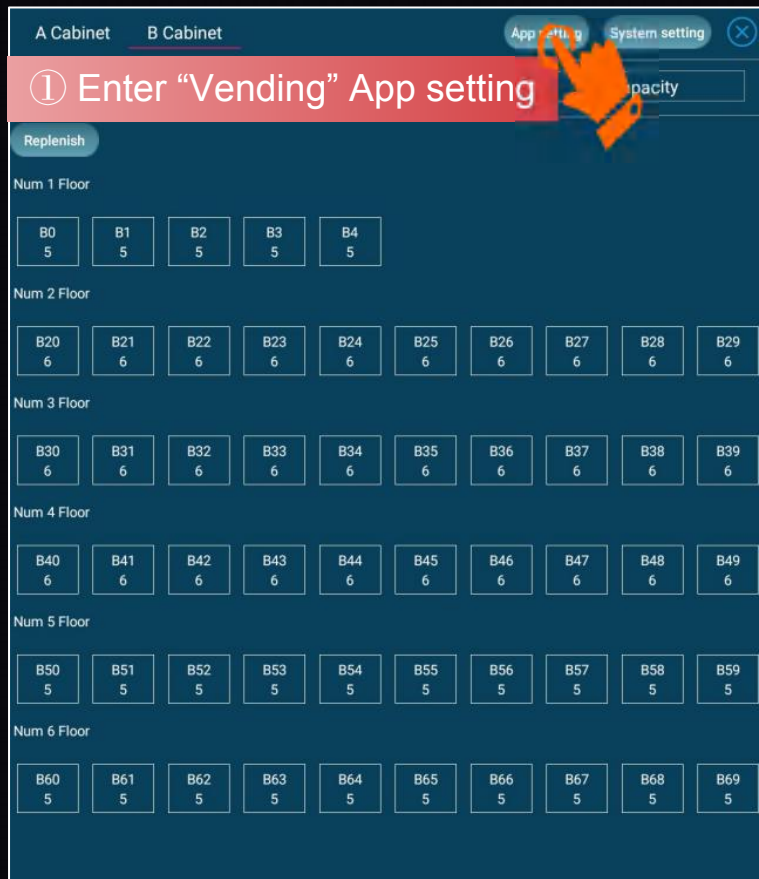
the video will go to the ma





## 4.2 How to set the time of entering advertisement page (from machine)

You can set the time as you like: input the number, and then click “Confirm”.



**How to enter “Vending” APP setting?  
---Refer to the above content 1.4**

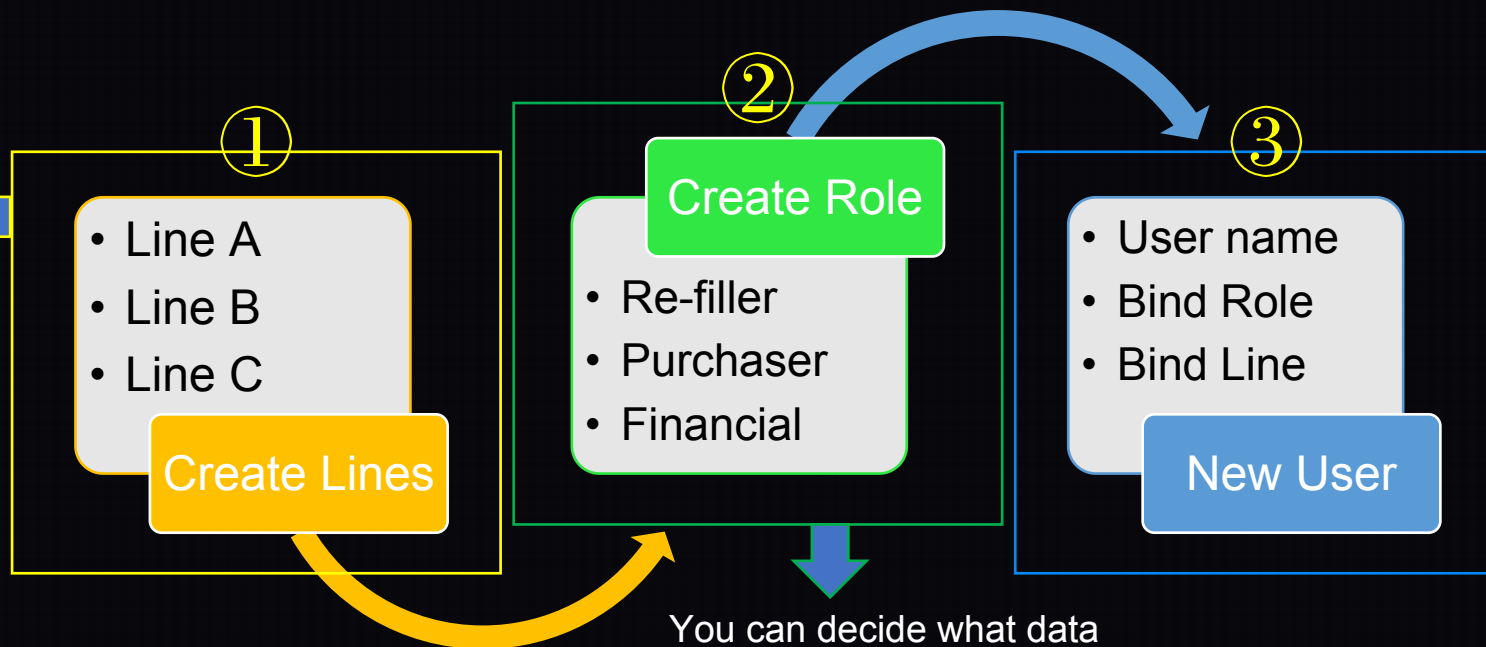


## 4.3 How to set sub account for your team members (PC system)

When the machines are ready, our sales representative will send you an User name and Password, which will be regarded as the **Master Account** with full permissions.

If you have other team members (Re-fillers, financial analysts, warehouse keeper, purchaser, etc...) who need to login system to check the data with limited permissions, you can create sub-accounts for them.

For example:  
You have 20 machines. If you intend to assign **Re-filler A** to manage 10 machines, **Re-filler B** to manage another 10 machines, you can divide the 20 machines into 2 Lines, each Line contains 10 machines, then bind different lines for each of them.



This user is allowed to check the data with limited permission only. And they will see the data of those machines (Line) assigned to them.

You can decide what data can each role access to!

# Part IV: Features dictionary

## 4.3 How to set sub account for your team members (PC system)

Step 1: Log in the computer system, and then follow the steps ①②③④⑤ to add new line

[How to create sub-accounts?](https://www.youtube.com/watch?v=i8CJlfC1-GM)  
<https://www.youtube.com/watch?v=i8CJlfC1-GM>

The screenshot displays the MICRON SMART VENDING PC system interface. On the left is a dark sidebar with a menu containing: Home, Operation\_center (①), Goods\_manage, Machine\_manage (②), Line\_list (③), Machine\_list, Advertising\_manage, Order\_manage, discount\_manage, and Replenishment Manage. The main content area shows the 'Line\_list' page with a breadcrumb trail: Home / Operation\_center / Machine\_manage / Line\_list. At the top, there are input fields for 'Code: Please input', 'Name: Please input', and 'Agent: Select'. Below these is a blue 'Add new line' button (④). A table lists existing lines with columns for SN, Code, Name, Remarks, and Status. The first row shows SN 1, Code mmm, Name Area 1, Remarks Yuexiu district, and Status Normal. To the right of the table are 'Binding machine', 'Edit', and 'Delete' buttons (⑤). A modal window titled 'Add new' (④) is open, containing fields for '\* Code: Please input', '\* Name: Please input', 'Remarks: Please input', and '\* Data state' with a radio button for 'Normal'. Another modal window titled 'Binding machine' (⑤) is open, showing 'Current line: Area 1' and 'All device:(Select the machine to be bind)'. It lists three devices: 61260015 - ABC (checked), 81260011 - , and 81260054 - . The 'Binding machine' modal has 'Cancel' and 'OK' buttons.



# Part IV: Features dictionary



## 4.3 How to set sub account for your team members (PC system)

Step 2: follow the steps ①②③ to create Role

System manage ---->  
Role manage ---->  
Add Role

Role name:  
Role description:  
Role Permission: tick the boxes, to allow the Role to see the relevant modules when they log in the account.

Tick the Permissions for PC system, and Mobile system respectively...



## 4.3 How to set sub account for your team members (PC system)

Step 3: follow the steps ①②③④ to create new user (sub-account)

System manage ---->

User list ---->

Add new user ---->

Bind Line

Select the Role of the user...And then "Bind Line" for each user.

Now, the new users can login the system, and manage those machines under each account.

What's the role of this account? Which Line (machines) shall be managed by this account?



## 4.4 How to set sub account for agents (PC system)

For example: If you are a **vending machine re-seller**, you import machines from our company, all the machines are under your account.

When you sell out the machine(s) to each customer(Agent), you need to create sub account, and allocate machine(s) from your account to that customer (Agent), so that they can login and manage their own machine(s).

Login the system from your computer by User name/Password





# Part IV: Features dictionary



## 4.4 How to set sub account for agents (PC system)

3 Steps as follow:

Agent ---->

Agent management

### ✘ 1. Add agent

Under your account, you can create sub accounts for all your customers.

### ✘ 2. Device binding

Bind the machine(s) by device number(s).

### ✘ 3. Configure

Do some basic settings...

The screenshot displays the MICRON SMART VENDING PC system interface. On the left, a sidebar menu shows 'Agent management' highlighted. The main content area shows the 'Add agent' form with fields for administrator account, region, name of agent, bank name, bank account, contacts, phone, email, business license, merchant name, organization type, and remarks. A red arrow points from the 'Add agent' button in the background table to the 'Add agent' form. A green arrow points from the 'Configure' button in the background table to the 'Device binding' form. The 'Device binding' form shows a list of device numbers with checkboxes, and the '61260010-' checkbox is checked. A blue thought bubble contains the text 'Default login password is 123456'. The background table shows a list of agents with columns for Bank name, cont, and Operation, and buttons for Add agent, Device binding, Edit, Configure, and Delete.

# Part IV: Features dictionary



## 4.4 How to set sub account for agents (PC system)

### ✂ Account setting

After the sub account is created, login to the system by User name and default password 123456.

System\_manage ---->

Operator\_info ---->

Operator settings ---->Edit

The account owner can upload Logo, input the Service Tel. No., change passwords, etc...

The screenshot shows the Micron Smart Vending PC system interface. On the left is a dark sidebar with the logo '微米物联' and a menu. The main content area is titled 'Operator\_info' and contains two tables. The top table lists vendor information, and the bottom table lists system configuration details. Red boxes and arrows highlight the 'Operator settings' button in the top table and the 'Edit' button in the bottom table.

Vendor name	Location	Vendor type	Business name	Business license	Operation
Micron	GD	Legal person	GZ Micron		<a href="#">Edit</a> <a href="#">Operator settings</a>

Vendor ID	System language	System name	logo	Color	Hot line	Join phone	Operation
89261c7dd2c3000							<a href="#">Edit</a>



## 4.4 How to set sub account for agents (PC system)

### ※ In case you need to Sync product data base

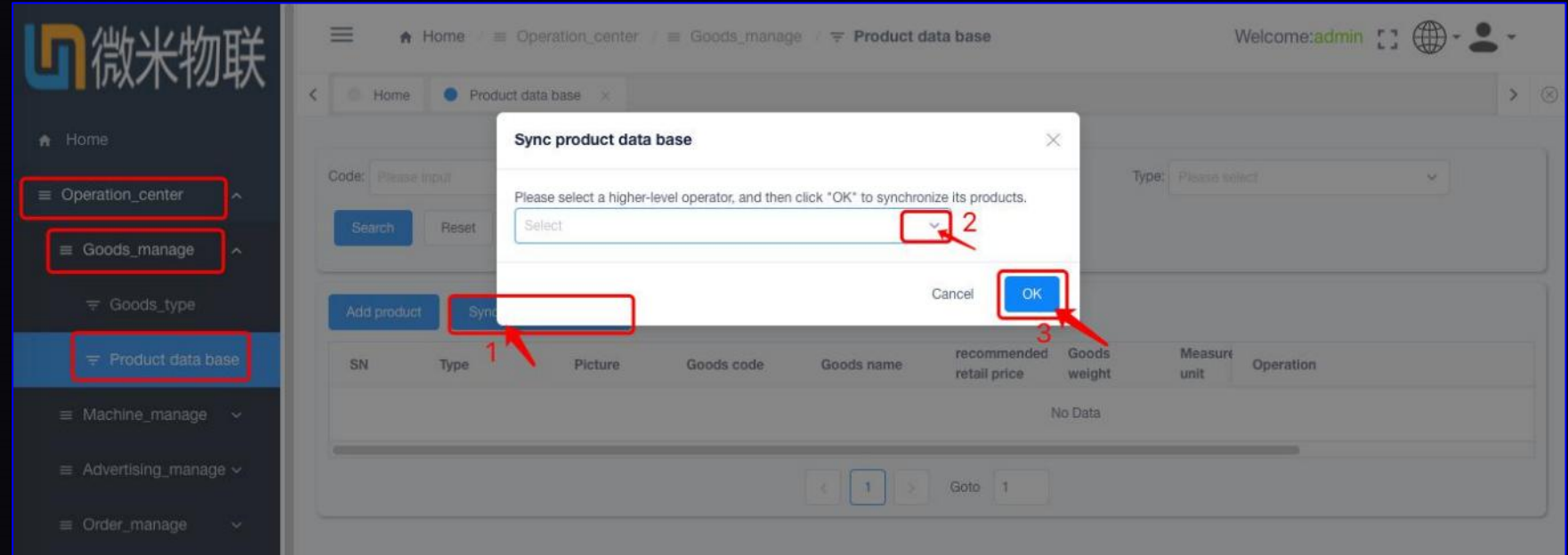
After the sub account is created, login to the system by User name and password.

Operation center --->

Goods manage --->

Product data base

You can synchronize the product data base from a higher level operator to this new-created sub account.



Remark:

- ① Sub account can synchronize the product data base from a high-level operator only. It is not applicable in reverse.
- ② After the product data base is synchronized, you can edit the info. freely, and add new products. If you synchronize it again, it will cover those products originated from last sync...However, it will not cover the new-added products.

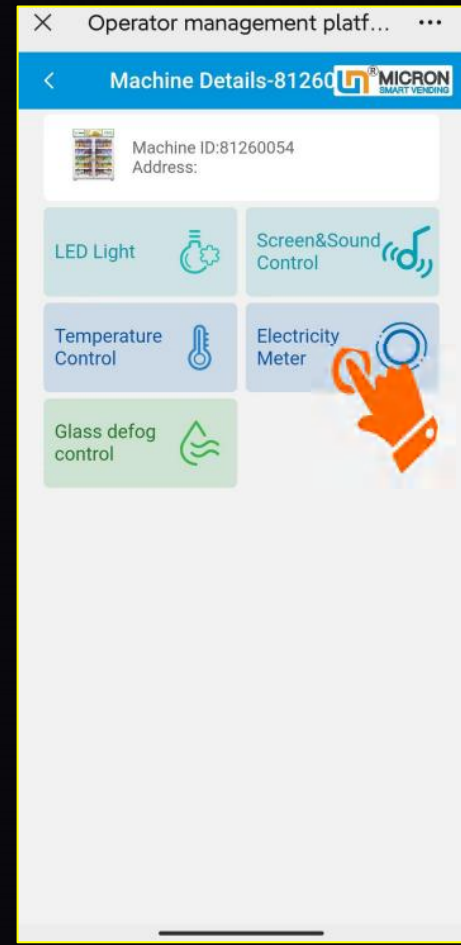
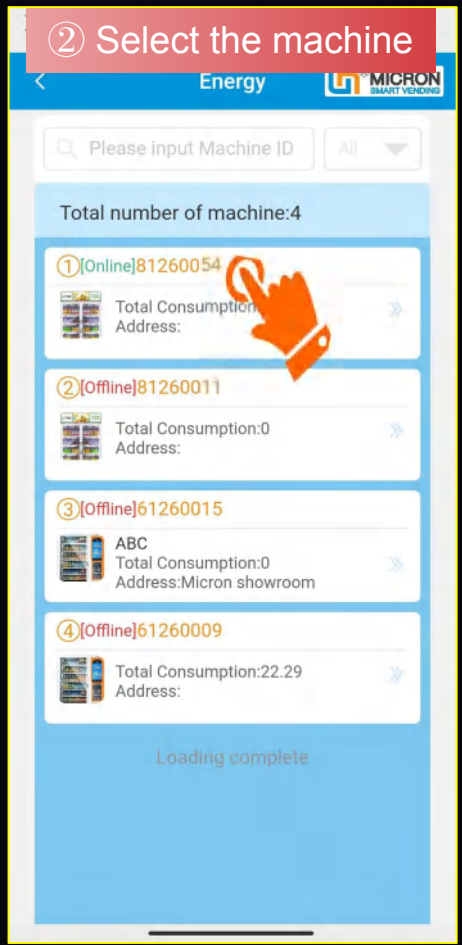
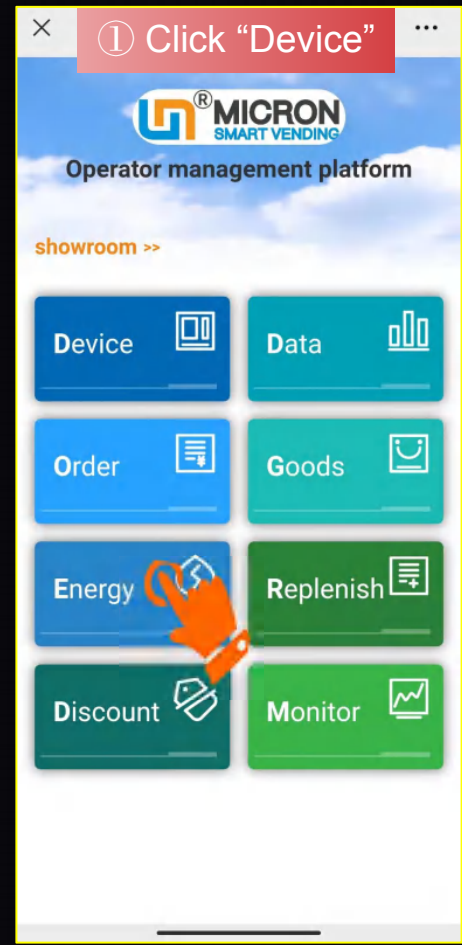


# Part IV: Features dictionary



## 4.5 How to use Energy management (from mobile system)

You can check the Daily power consumption of each machine, and control the LED Light/Screen&Sound/Temperature/Glass defog from this module.



### Electricity Meter

Operator management platf... ...

Electricity Meter-81260

Real-time data ↻

Energy Voltage&Current Total(kW-h)  
board - -

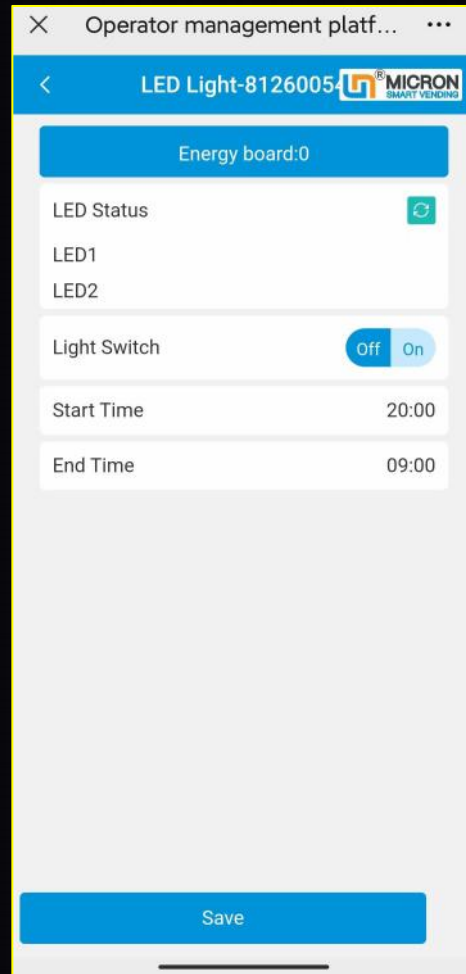
Date	Daily power consumption(kW-h)
2022-07-26	1.93
2022-07-25	1
2022-07-22	1.61
2022-07-21	1.93
2022-07-20	1.94
2022-07-19	2.05
2022-07-18	7.1
2022-07-17	6.93
2022-07-16	2.56
2022-07-15	1.67
2022-07-14	0.09

# Part IV: Features dictionary

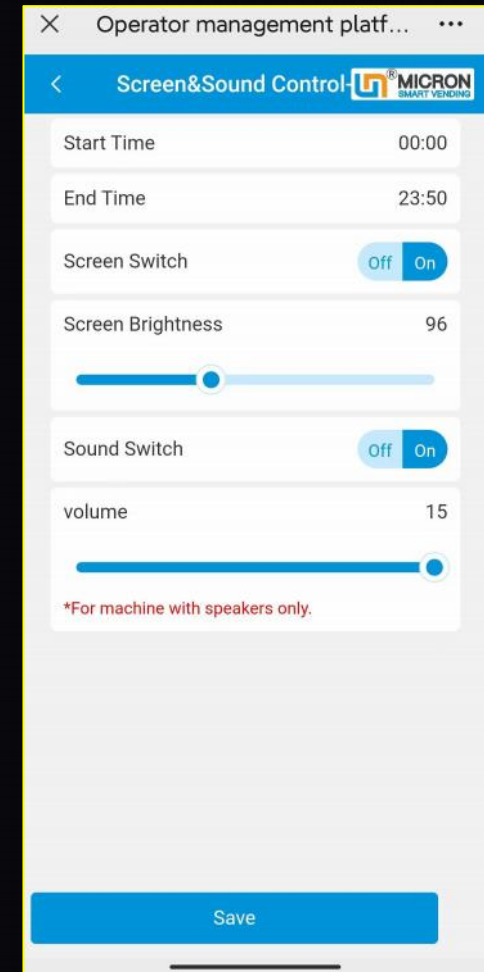
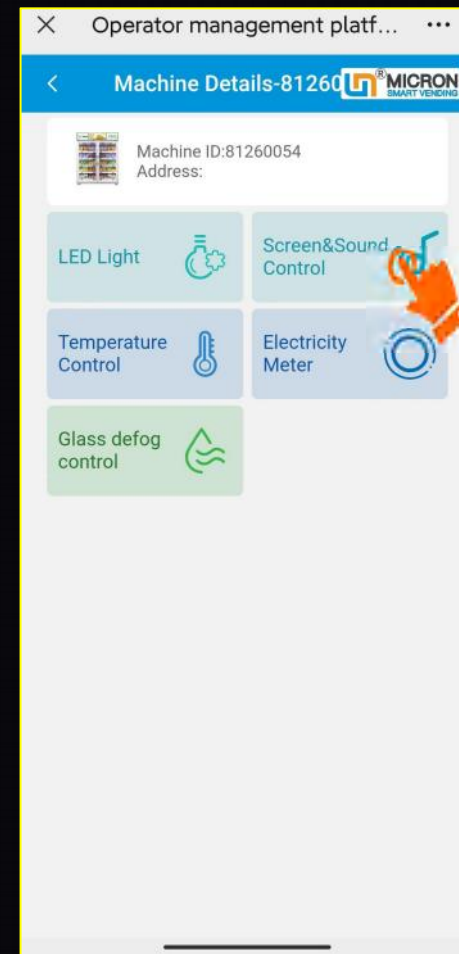


## 4.5 How to use Energy management (from mobile system)

### Control LED Light



### Control screen sound

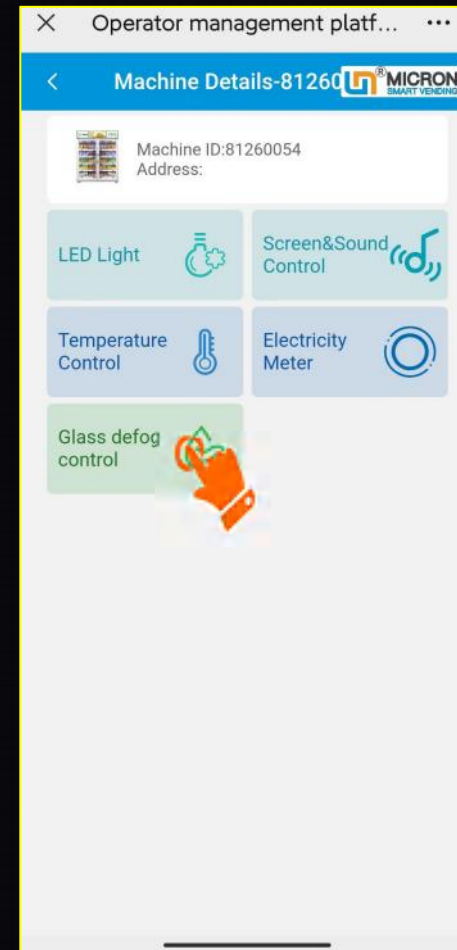
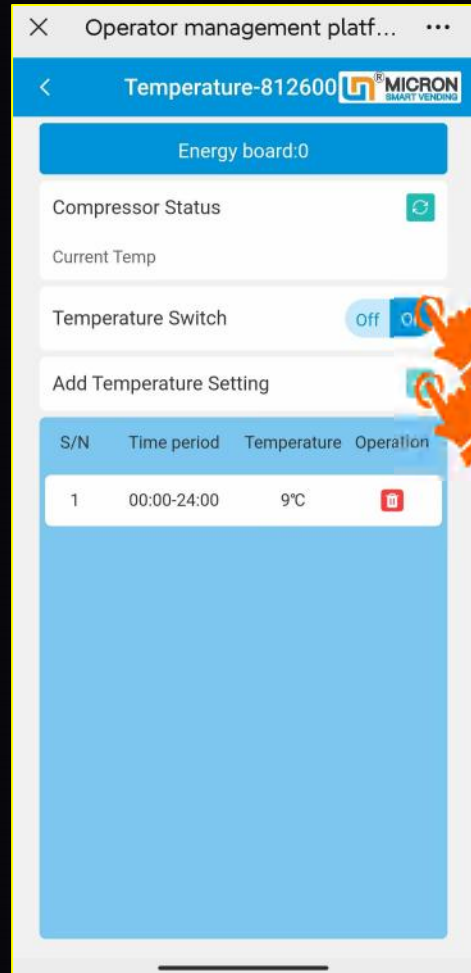


# Part IV: Features dictionary

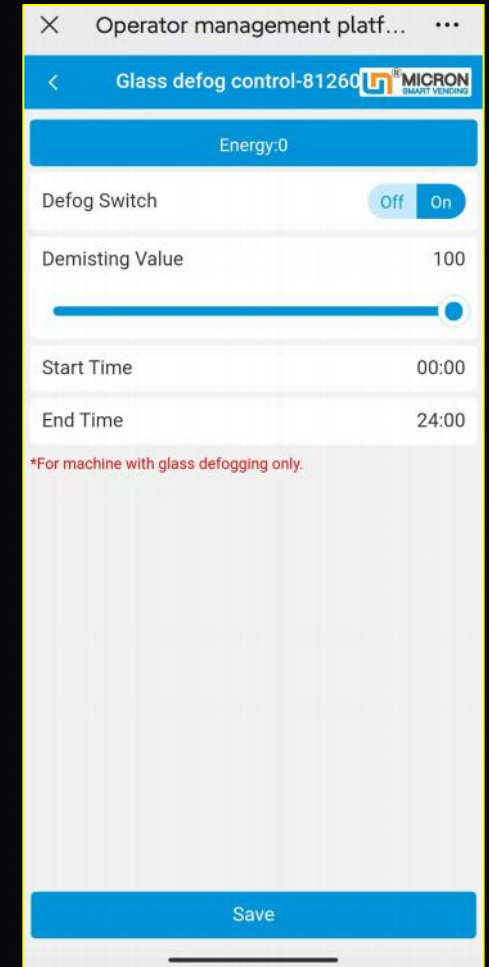


## 4.5 How to use Energy management (from mobile system)

### Control temperature



### Glass defog Control



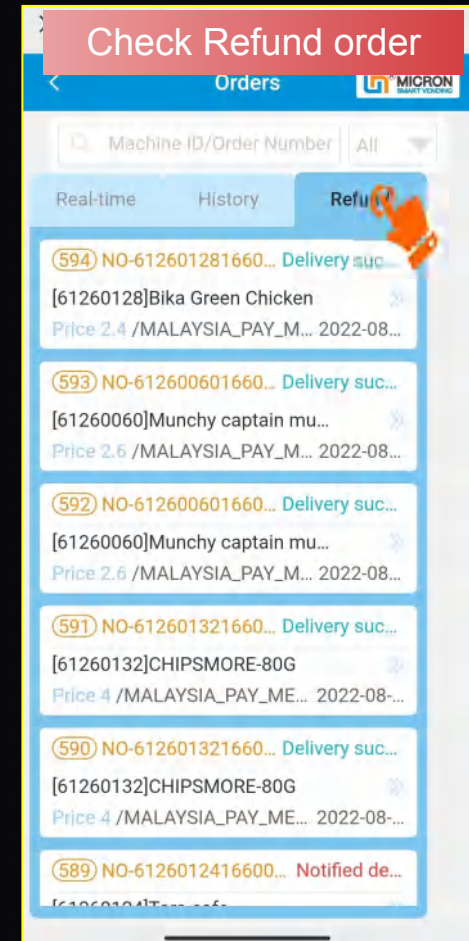
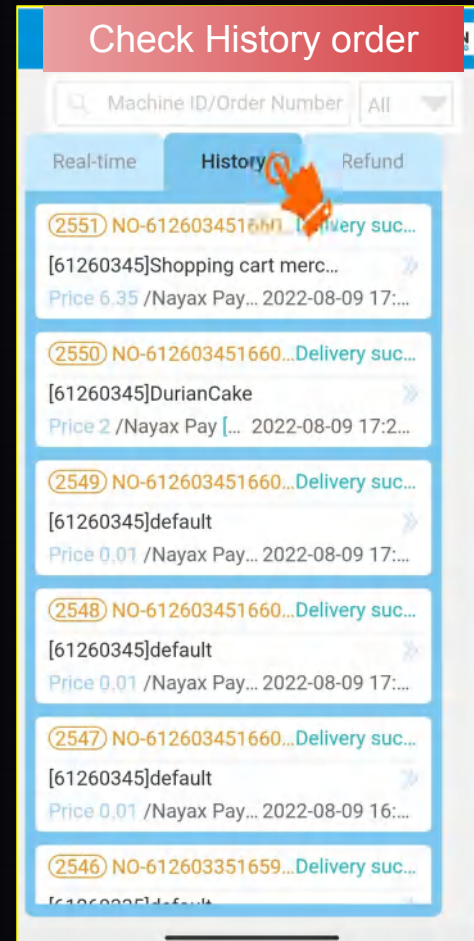
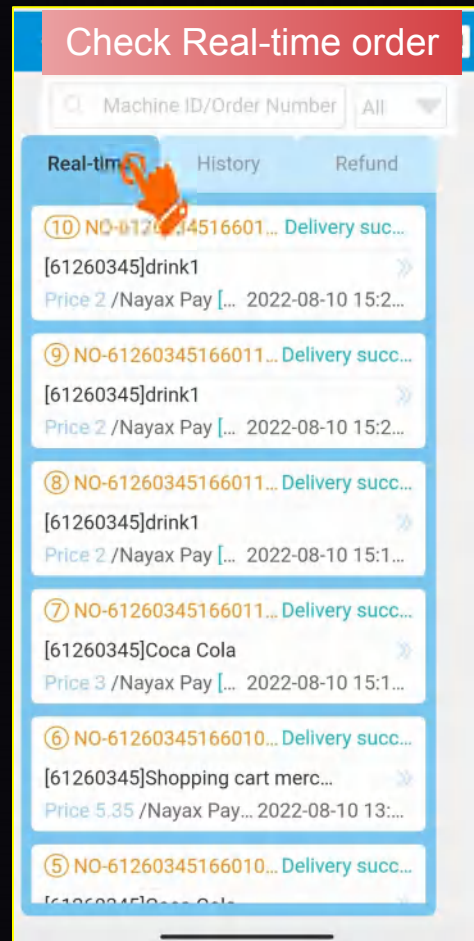
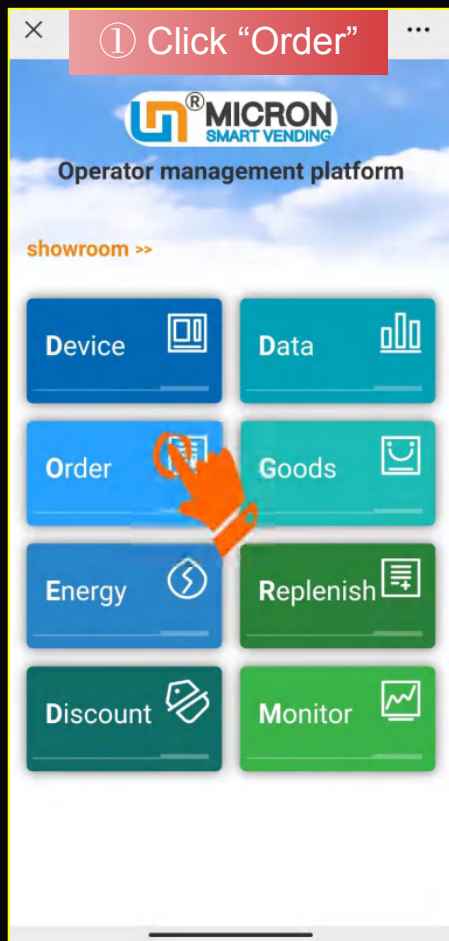


# Part IV: Features dictionary



## 4.6 How to check Orders from mobile system

From here, you can check the Real-time (Today's), and History, and Refunded orders of all machines. Besides, you can enter the Machine ID to check the orders of a single machine.



# Part IV: Features dictionary



## 4.6 How to check Orders from PC system

From computer system, you can check the Real-time (Today's), and History, and Refunded orders of all machines.

Besides, you can enter the Machine ID & Select date to check the orders of a single machine.

- Home
- Operation\_center
- Goods\_manage
- Machine\_manage
- Advertising\_manage
- Order\_manage
  - Real\_time\_orders
  - History\_orders
  - Refund\_orders
- Replenishment Manage
- Monitoring\_center
- Data\_center
- Member\_manage
- system\_manage

Machine ID:  Goods name:  Line:

Delivery status:  Order number:  Select date:

Agent:

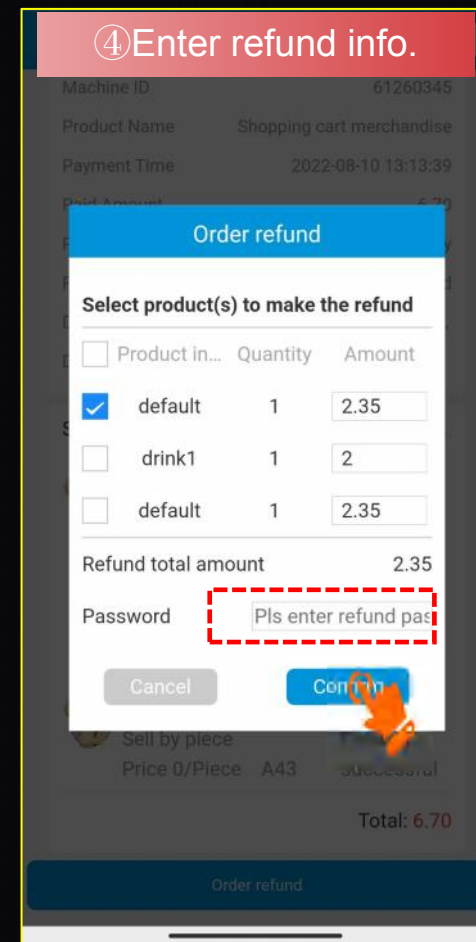
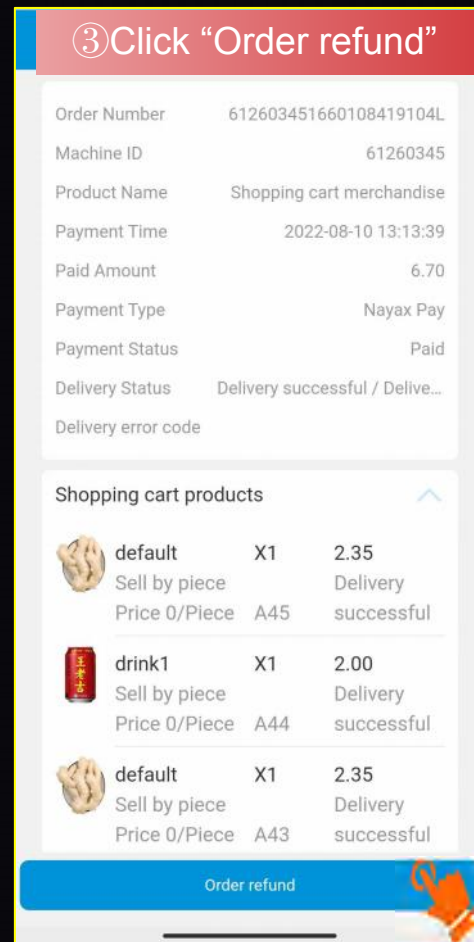
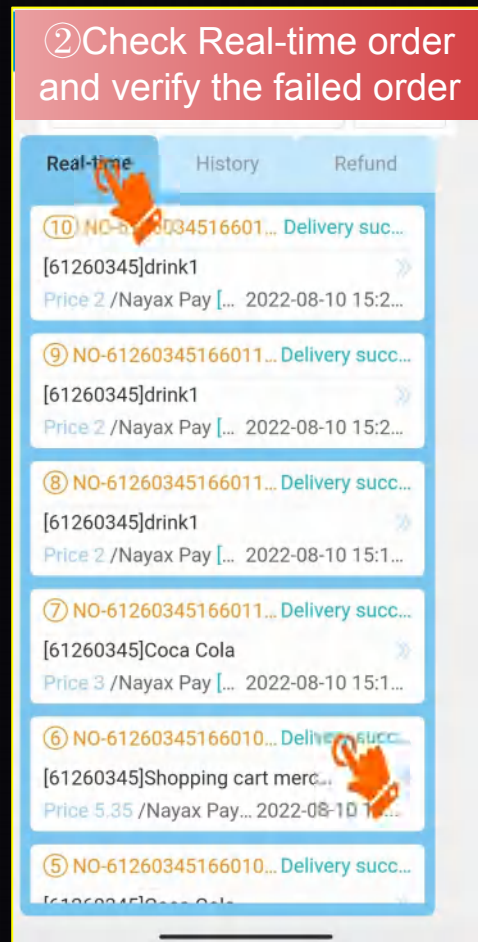
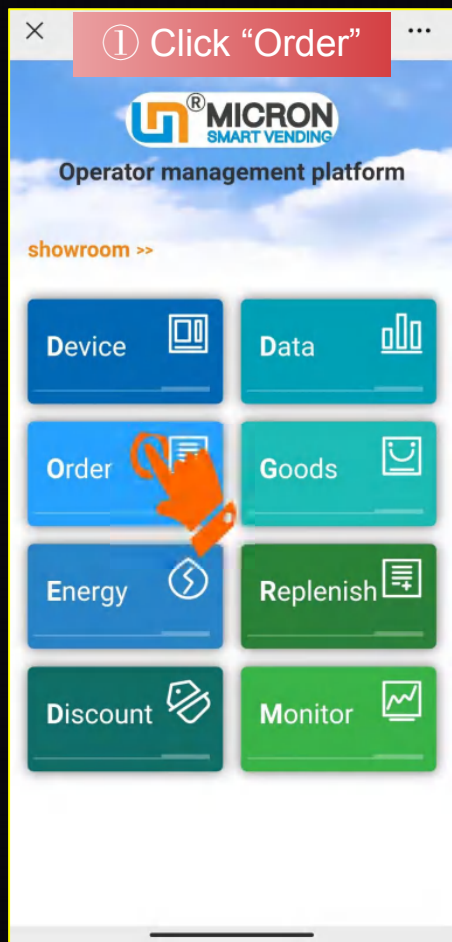
支付渠道	订单数量	总营业额	退款金额
PAX_PAY	27	137	0
NAYAX_PAY	27	358.53	0
NAYAX	11	2.66	0
CASH_AND_COIN	155	125.4	0
E-wallet	3	14.01	0

SN	Order number	Order time	Merchant order number	Machine ID	Machine name	Product name	Operation
223	612603451660036962196L	2022-08-09 17:22:42		61260345		Shopping cart merchandise	<a href="#">Order details</a>
222	612603451660036911308L	2022-08-09 17:21:51		61260345		DurianCake	<a href="#">Order details</a>
221	612603451660036242873L	2022-08-09 17:10:42		61260345		default	<a href="#">Order details</a>
220	612603451660036183988L	2022-08-09 17:09:43		61260345		default	<a href="#">Order details</a>
219	612603451660034107719L	2022-08-09 16:35:07		61260345		default	<a href="#">Order details</a>



## 4.7 How to refund the money to the users if delivery failed

If you receive a call from the users about failed delivery, you can ask the users about basic info. of the failed order, such as the machine ID, approx. time, amount, etc...then verify the order details and do the refund .



\*This function is for E-wallet payment and member card payment only. Not for cash payment, and bank card payment (do from card reader's back-end system)

\*How to set refund password? Check next page.



# Part IV: Features dictionary



## 4.7 How to refund the money to the users if delivery failed

Log in the computer system, and then follow the steps ①②③④ to set the refund password and login password

The screenshot shows the 'Operator\_info' page in the system management interface. The breadcrumb trail is 'Home / system\_manage / Operator\_info'. The page displays a table of operators with columns: Vendor name, Location, Vendor type, Business name, Business license, Bu, and Operation. A red box highlights the 'Operator settings' button in the 'Operation' column of the first row, with a circled '3' and a blue arrow pointing down to the next table.

The second table has columns: logo, Color, Hot line, Join phone, If auto refund, Manual refund password, Login password, Business number in Micron payment center, and Operation. The 'Manual refund password' and 'Login password' fields are highlighted with red boxes. The 'Manual refund password' field contains '654321' and the 'Login password' field contains '123456'. A red box highlights the 'Edit' button in the 'Operation' column, with a circled '4' and a blue arrow pointing to it.

Vendor name	Location	Vendor type	Business name	Business license	Bu	Operation
showroom	showroom	Personal	showroom	showroom	sh	Edit Operator settings

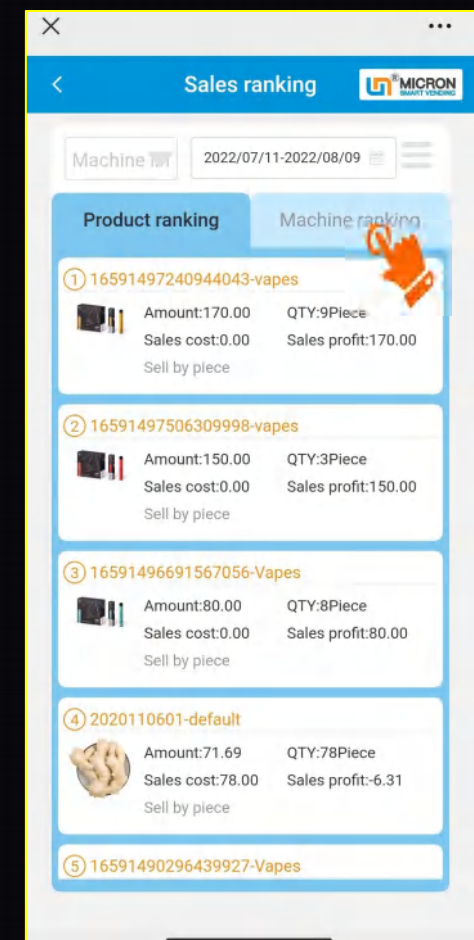
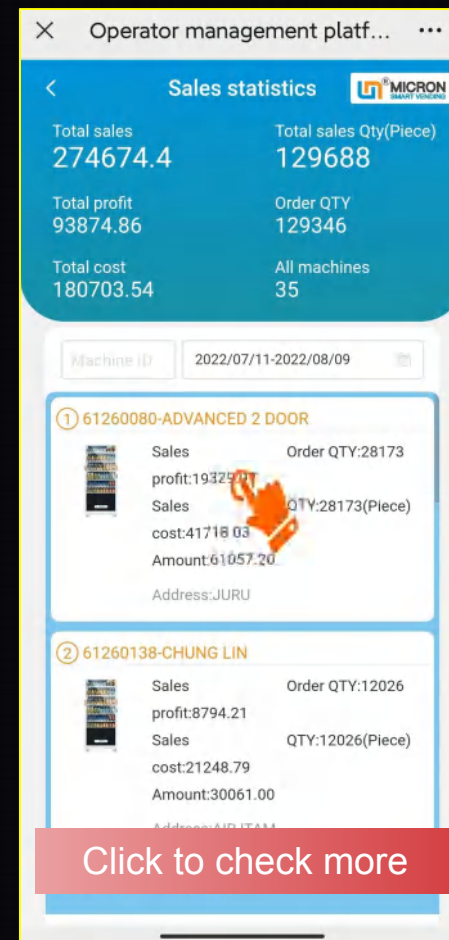
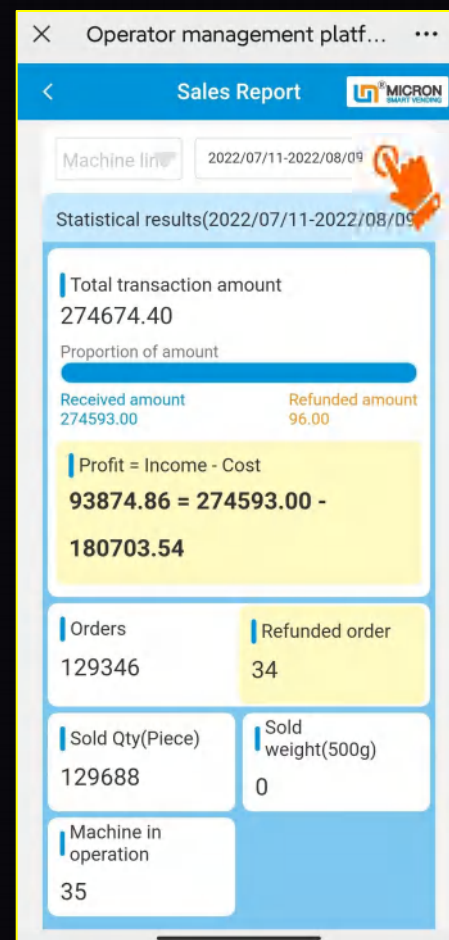
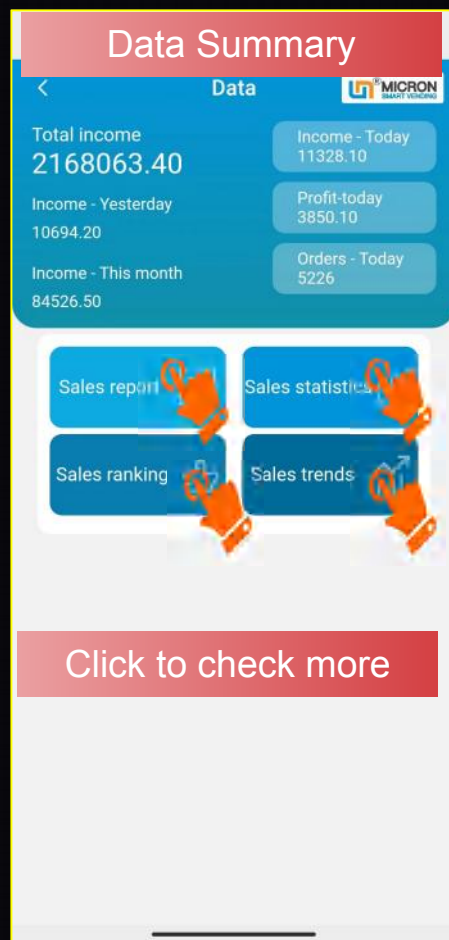
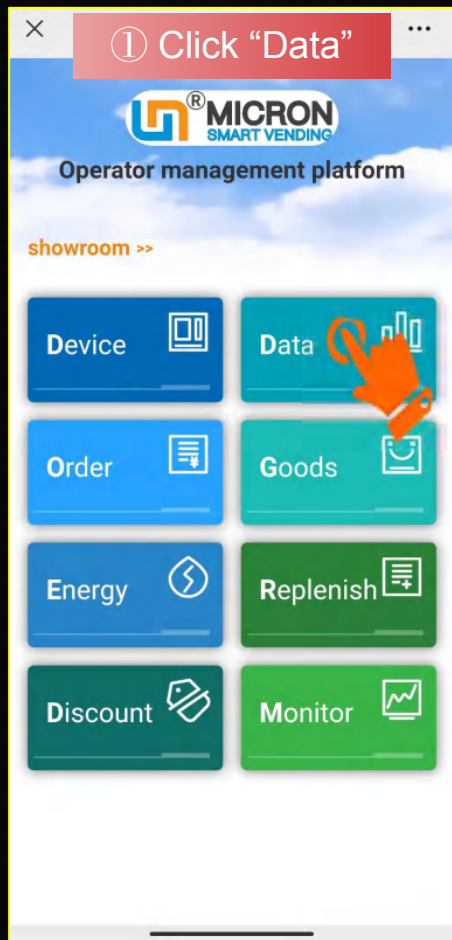
  

logo	Color	Hot line	Join phone	If auto refund	Manual refund password	Login password	Business number in Micron payment center	Operation
		123456789		No	654321	123456	10000000	Edit

# Part IV: Features dictionary

## 4.8 How to check Sales Data

From here, you can check the Sales data of all the machines or a single machine in a certain time period. Besides, you can find out which machine or which product is the best-seller from the Ranking.



# Part IV: Features dictionary



## 4.9 How to check real time inventory shortage and re-fill the shortage

For the re-fillers, they can check the inventory shortage of a single machine or all machines/line from here.

**① Click "Replenish"**

**② Click "Shortage"**

**Check product shortage of a single machine**

**② Select machines/Line and click "Shortage"**

**Check product shortage of selected machines**

Machine ID	Product	Inventory	Capacity	Need re-fill
61260015	bread	18	30	12
[Offline] 61260015	Whole chick	9	10	1
[Offline] 81260011	Cover iPhone 12 Pro Max	9	10	1
[Offline] 61260009	Pineapple	9	10	1
[Offline] 61260015	MAXWELL HOUSE COLOMBIANA	0	1	1
[Offline] 81260011	default	0	11	11
[Offline] 81260011	Beef	0	1	1
[Online] 81260054	bread	18	30	12
[Online] 81260054	Whole chick	9	10	1

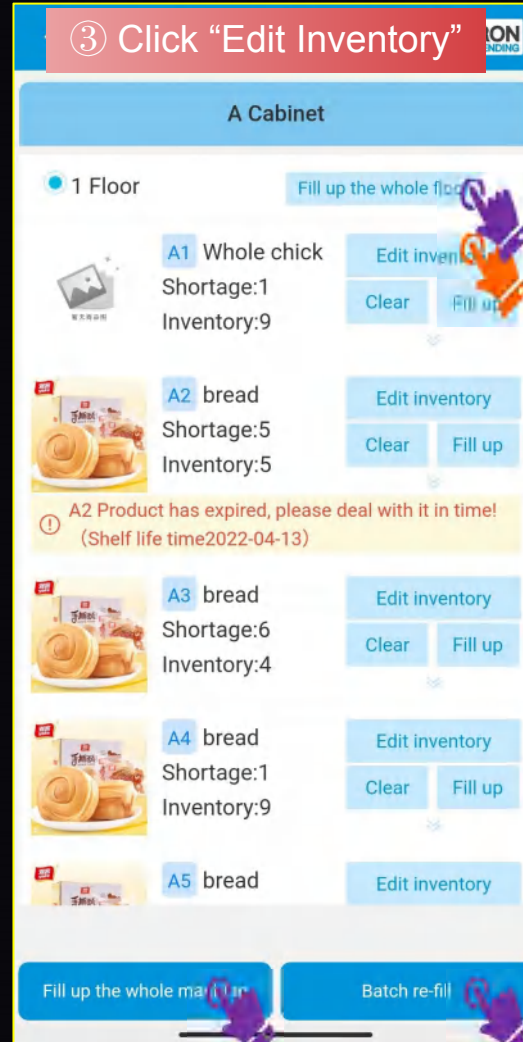
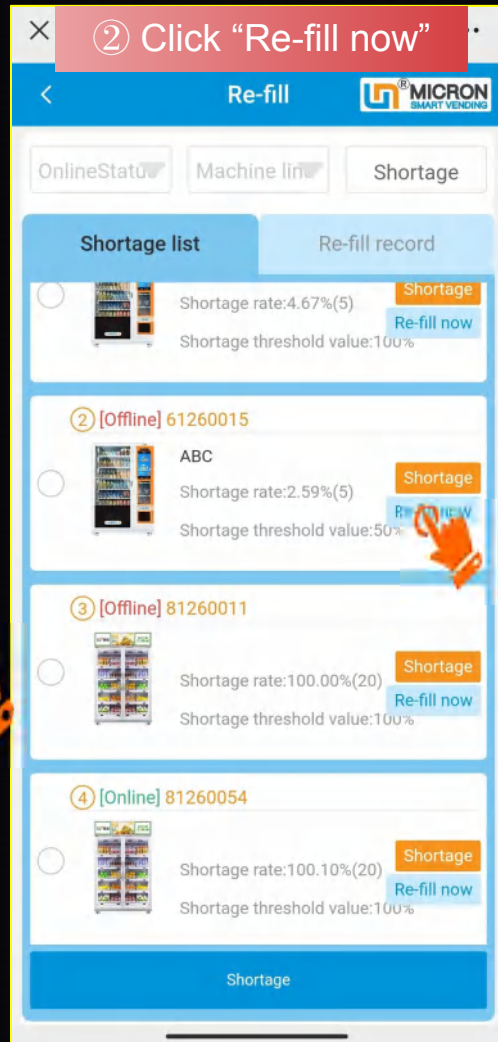
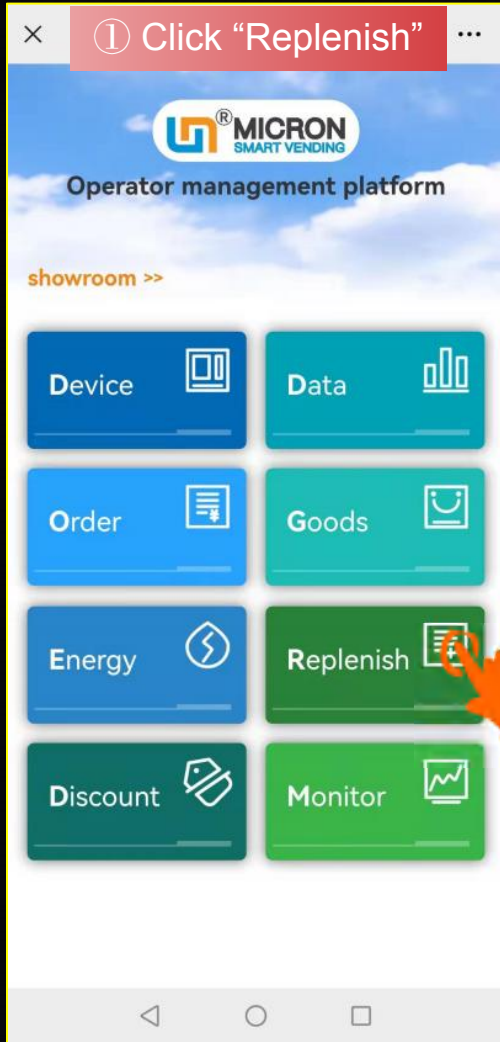


# Part IV: Features dictionary



## 4.9 How to check real time inventory shortage and re-fill the shortage

For the re-fillers, after they re-filled the inventory shortage to the machine, they shall edit the inventory here.



Options:

- \*Edit inventory (1 by 1)
- \*Fill up the whole floor
- \*Fill up the whole machine
- \*Batch re-fill



## 4.10 How to check Replenish record (PC system)

### Log in PC System

Operation center --->  
Replenish management

You can click “Export Excel file”, and save the file to your computer, and then check all the details of all machines. Besides, you can input the Machine ID / Goods name/ Agent, and Select date to Search.

Home / Operation\_center / Replenishment Manage

Welcome: 技术部测试

Machine ID: Please input    Goods name: Please input    Select date: Please select

Agent: Select    Search    Reset

Export Excel file

SN	Machine ID	Cabinet number	Shelf number	Goods name	Measure method	Replenishment quantity	Replenishment staff
1	61260026	1	B11	default	Sale by piece	8	
2	61260026	1	B12	default	Sale by piece	8	
3	61260002	0	A4	default	Sale by piece	0	
4	61260002	0	A9	default	Sale by piece	0	
5	61260002	0	A2	Beef	Sale by piece	0	
6	61260002	0	A3	default	Sale by piece	0	
7	61260002	0	A5	default	Sale by piece	0	
8	61260002	0	A7	default	Sale by piece	6	
9	61260002	0	A1	Beef	Sale by piece	0	



## 4.11 How to use Member manage (PC system)

\*If your machine is go with a card reader for membership cards (IC or ID card), please check this step.

※ You need to list out all the IC/ID card number (which is written on each card body), and the Reading Code of each card (which can be read by a card reader, or you can ask your card supplier to send it to you);

① PC System ---> System manage ---> IC manage ---> Import Excel

The screenshot shows the MICRON system interface. The breadcrumb navigation is Home / system\_manage / IC\_manage. The page title is 'IC\_manage'. There is a search bar for 'IC卡号' (IC Card Number) with '搜索' (Search) and '重置' (Reset) buttons. Below the search bar is a blue 'Import Excel' button, which is highlighted with a red mouse cursor. Below the button is a table with the following columns: SN, Card number, Card reading code, Batch information, Supplier, Whether enabled, Whether binded, and Operation. The table currently shows 'No Data'. At the bottom of the table are navigation buttons: '<', '|', '>', and 'Goto 1'. The left sidebar shows a menu with 'system\_manage' expanded, and 'IC\_manage' selected.

**Excel format**

card_number	card_code	batch	supplier
xxx	Code shall be in Hexadecimal system	1	A

**Attention: the Reading code shall be Hexadecimal system**



# Part IV: Features dictionary



## 4.6 How to use Member manage (PC system)

② PC System ---> Member manage ---> Member info ---> Add new member

The screenshot displays the Micron Smart Vending PC system interface. On the left is a dark sidebar menu with the following items: Home, Operation\_center, Monitoring\_center, Data\_center, Member\_manage (highlighted with a red box), Member\_info (highlighted with a blue box), Member\_fund, and system\_manage. The main content area shows the 'Member\_info' page with a breadcrumb trail 'Home / Member\_info'. A blue 'Add new member' button is highlighted with a red mouse cursor. A modal window titled 'Add new member' is open, containing the following fields: Member name, Member ID, Member password (with a toggle for visibility), Nick name, Payment password required (Yes/No radio buttons), Status (normal/abnormal radio buttons), and Remarks. The modal also has 'Cancel' and 'OK' buttons at the bottom. The background page shows a search bar with 'Search' and 'Reset' buttons, and a table with columns 'SN' and 'Member name'.



## 4.6 How to use Member manage (PC system)

③ PC System ---> Member manage ---> Member info ---> Binding IC card

The screenshot displays the 'Member info' page in the PC system. A modal dialog titled 'Binding IC card' is open, containing the following fields:

- \* Binding card number: Select (dropdown menu)
- \* Cardholder: Please input (text input field)

Buttons for 'Cancel' and 'OK' are located at the bottom right of the dialog. In the background, a table lists members with columns for SN, Member name, Mobile, and Operation. The 'Operation' column for the first member (SN 1, Member name 张学友) has a 'Binding IC card' button highlighted with a red circle and a mouse cursor. The second member (SN 2, Member name 刘德华) also has a 'Binding IC card' button.

SN	Member name	Mobile	Operation
1	张学友		Balance adjustment, Binding IC card, IC card list, Edit, Delete
2	刘德华	162391933970	Balance adjustment, Binding IC card, IC card list, Edit, Delete



## 5.1 Installation

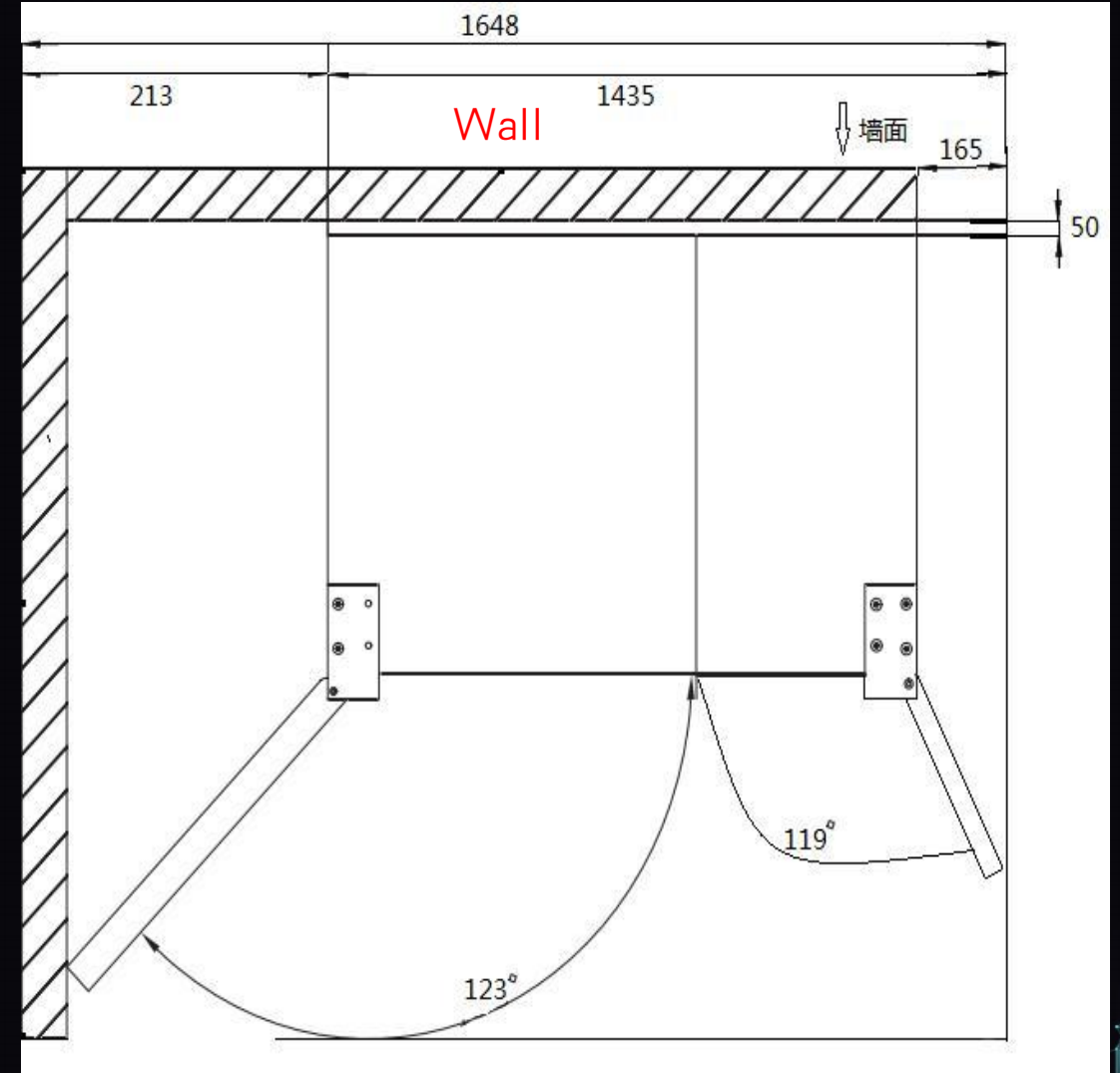
### 5.1.1 Placement of the machine

Try to keep the machine away from following places:

- \* direct wind/ rain/ sunlight;
- \* high temperature/ humidity;
- \* dusty places;
- \* moisture or corrosive gas;
- \* shaking or unstable ground;

### 5.1.2 Space for placing the machine

- \* refer to the guidelines at the right side;
- \* do not block the vents at the back of machine.







## 5.1 Installation

**5.1.3** Well fixed the wheels of the machine to avoid any accidents from the movement;

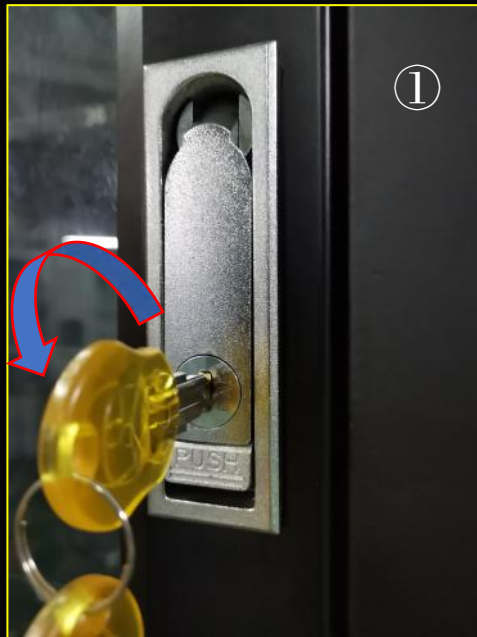
**5.1.4** Assist with a level ruler, make sure the machine is horizontally fixed on the ground.

**5.1.5** If it is installed in the place with the possibility of tilting or rollover, it is necessary to install a fixed bottom plate;





## 5.2 Open the door lock (Type-1)





## 5.2 Open the door lock (Type-2)

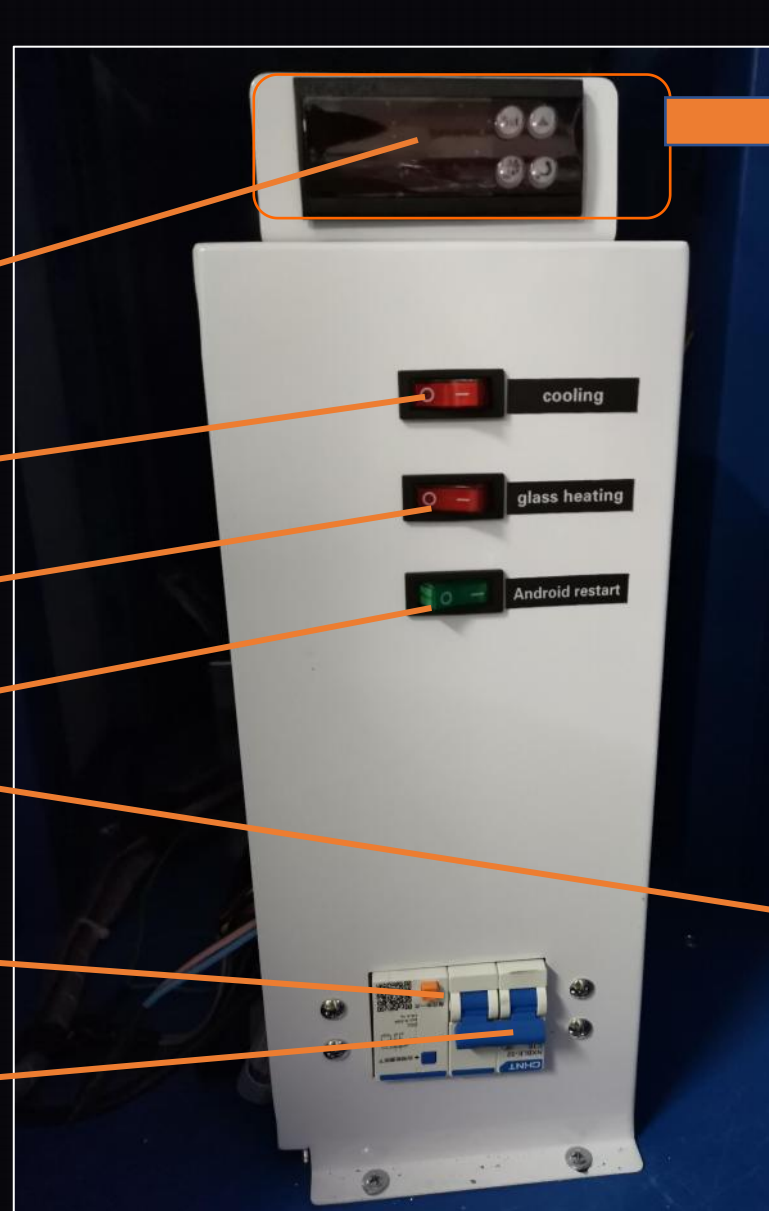




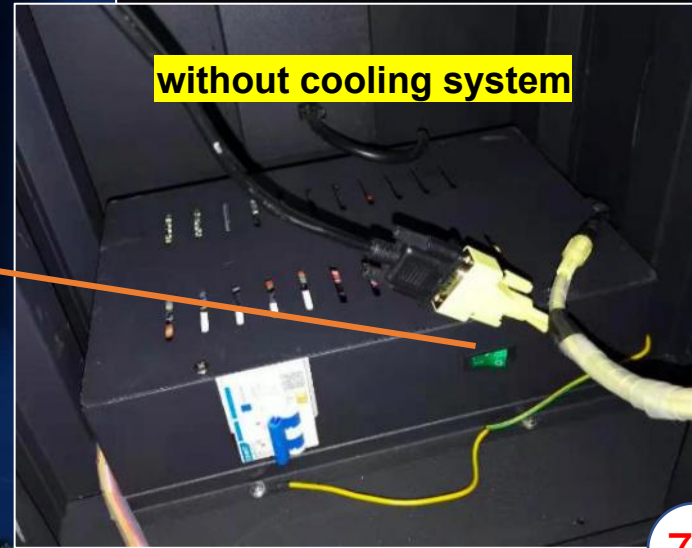


## 5.3 Electrical control

[How to set temperature?](https://www.youtube.com/watch?v=05RjsfNonu8)  
<https://www.youtube.com/watch?v=05RjsfNonu8>



- Temperature control
- Turn on/off cooling system
- Turn on/off the door defog
- Turn on/off Android system
- Leakage relay test button
- Power on/off switch





## 5.4 Power supply

**IMPORTANT:** For safety purpose, please make sure the power supply has connected the **grounding wire**.

- \* When the grounding wire is not connected, **electric shock** may occur.
- \* In dry weather, the **key components** inside the machine are very likely to carry static electricity, which will cause the machine not work normally, or even get damaged.
- \* Bad grounding will possibly lead to **bad network signal** as well.

## 5.5 Maintenance of leakage relay

Press the **testing button** at least one time a month to confirm the action of leakage relay. If no action, there is possibility of electric shock.



After testing...  
Press down this button,  
Turn on the power again.

# Part V: Machine installation



## 5.6 Spiral coils angle adjustment

Pull out the spiral coil slightly (around 1CM), and then rotate the coil clockwise to the position that is suitable for the selling goods.



## 5.7 Direct-Push type goods tray

 [How to adjust the goods trays \(direct push type\)?](https://www.youtube.com/watch?v=ZW7j6gKYWkk)  
<https://www.youtube.com/watch?v=ZW7j6gKYWkk>

## 5.8 Fill products to machine

 [How to fill the goods to the machine?](https://www.youtube.com/watch?v=UMlxPMjN6F0)  
<https://www.youtube.com/watch?v=UMlxPMjN6F0>







**TOGETHER, LET'S STEP INTO THE NEW ERA OF UNMANNED RETAIL~**

# Guangzhou Micron Vending Technology Co., Ltd

## Your long-term smart vending machine supplier

**Company address:**

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**Websites:**

[www.micronvending.com](http://www.micronvending.com)

[www.automatic-vendingmachines.com](http://www.automatic-vendingmachines.com)

**Youtube channel:**

[www.youtube.com/channel/UCCoR1uMn6lztRmoc7EmUFiQ/videos](https://www.youtube.com/channel/UCCoR1uMn6lztRmoc7EmUFiQ/videos)

**Catalogue & User manual download**

[www.micronvending.com/en-download-vending-machine-catalog.html](http://www.micronvending.com/en-download-vending-machine-catalog.html)

