MICRON SMART VENDING

GUANGZHOU MICRON VENDING TECHNOLOGY CO., LTD.

2022 | User Manual

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

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Video instruction - how to set up?

https://www.youtube.com/watch?v=YqBtkJTQ16k

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Part I: Machine introduction

◆Goods Tray Option

- Spiral racks
- Direct Push
- Conveyor belt

◆Payment System Option

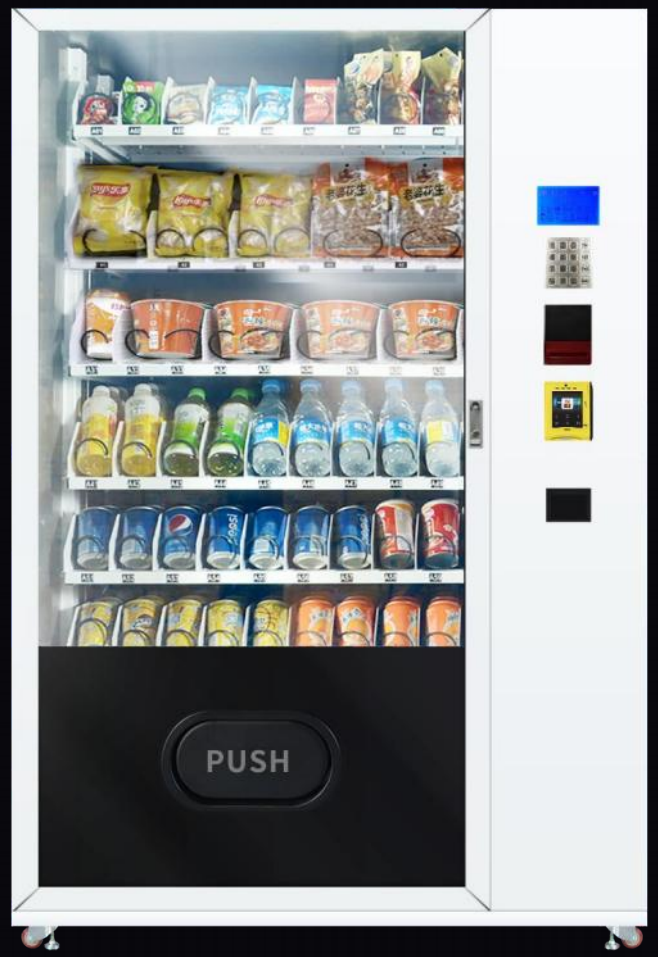
- Bill validator
- Coin mech
- Card reader
- E-wallet(upon availability)

◆Smart Vending System

□ Optional features:

- Elevator
- Infrared drop sensor
- Receipt printer

https://www.youtube.com/watch?v=orUtScmE0nM



Model#: WM0-W

※ 5" LCD screen + Keypad

※ Internet: WIFI/3G, 4G SIM Card

※ Android OS 5.1

※ ROM 8G / RAM 2G

※ Standard protocol: MDB/RS232

※ Standard variety: 6 Floors * 9 Slots

※ Extra storage shelves

※ Cooling System: 4~20℃

※ 2-Layer tempered glass door

※ 24V Electric defogging

※ LED Lighting stripes

※ Anti-theft design

※ Dimension: W116 × D83 × H194cm

Part I: Management system

1. System Login

1.1 Login link [for Smart phone]

https://moperator.tech.weimi24.com

1.2 Login link [for Computer]

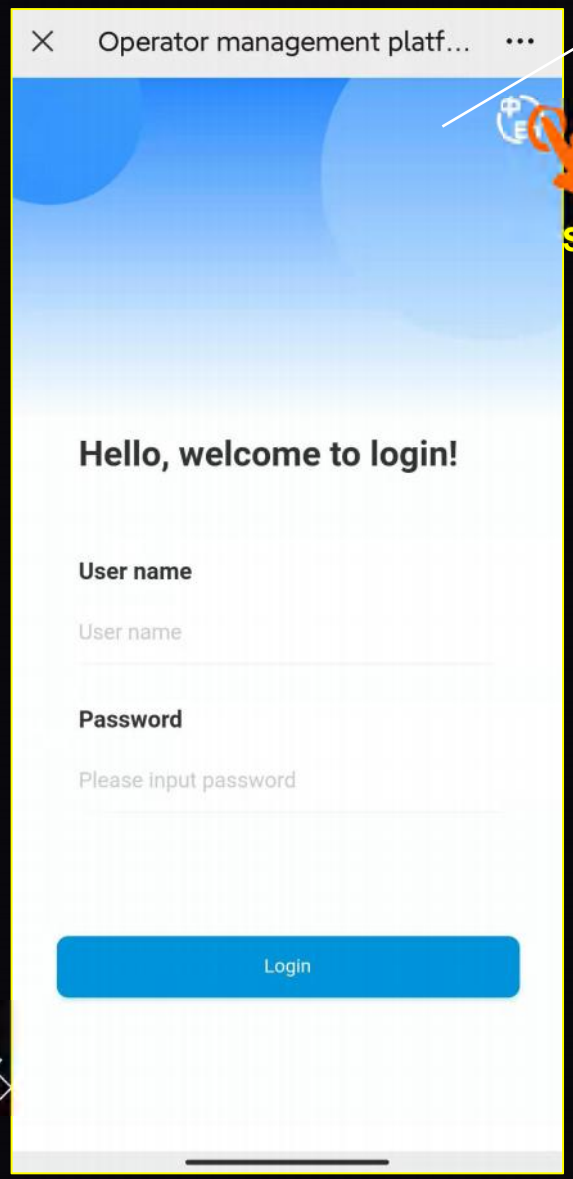
https://operator.tech.weimi24.com/

1.3 Login

Input the User name and Password

How to upload/change the LOGO?

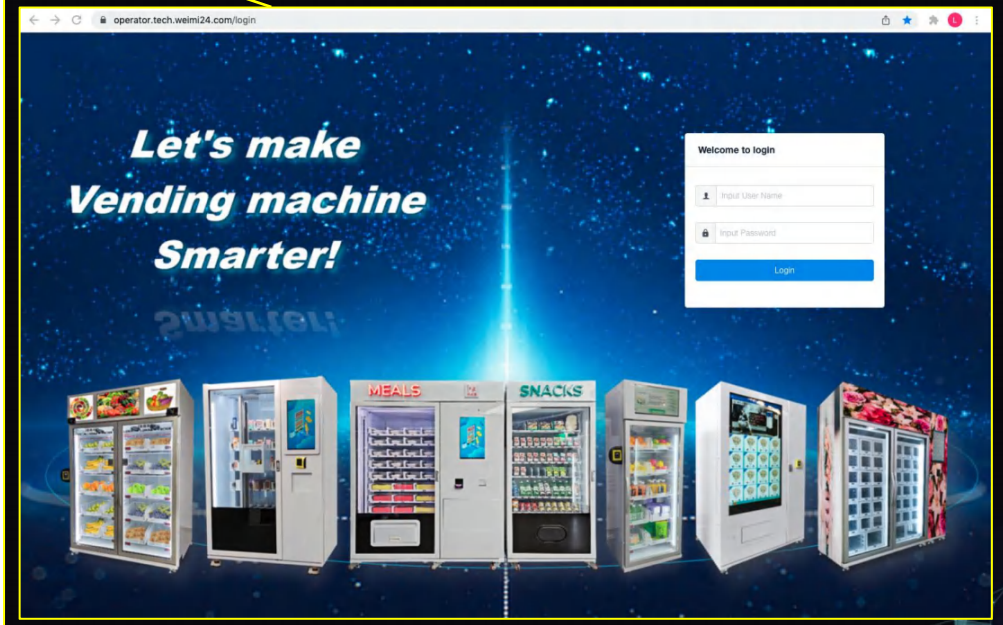
https://www.youtube.com/watch?v=W6jyQSCwHqI



Mobile phone Login page

Switch language

Computer Login page



Part I: Management system

2. Smart phone system

2.1 Device Management

2.2 Data Center

2.3 Order Center

2.4 Goods Management

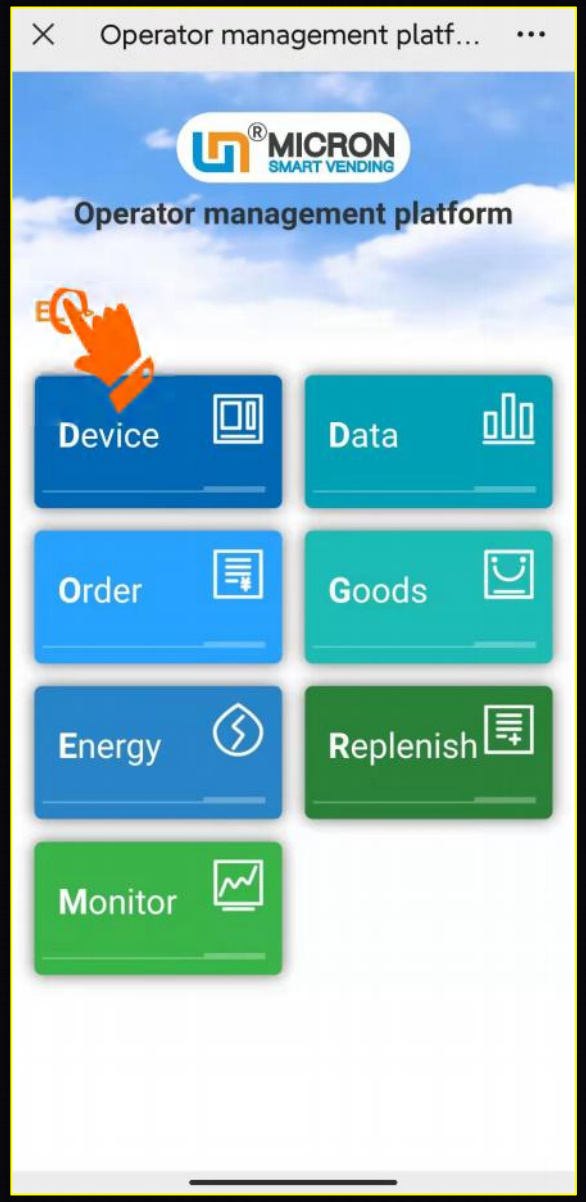
2.5 *Energy Management

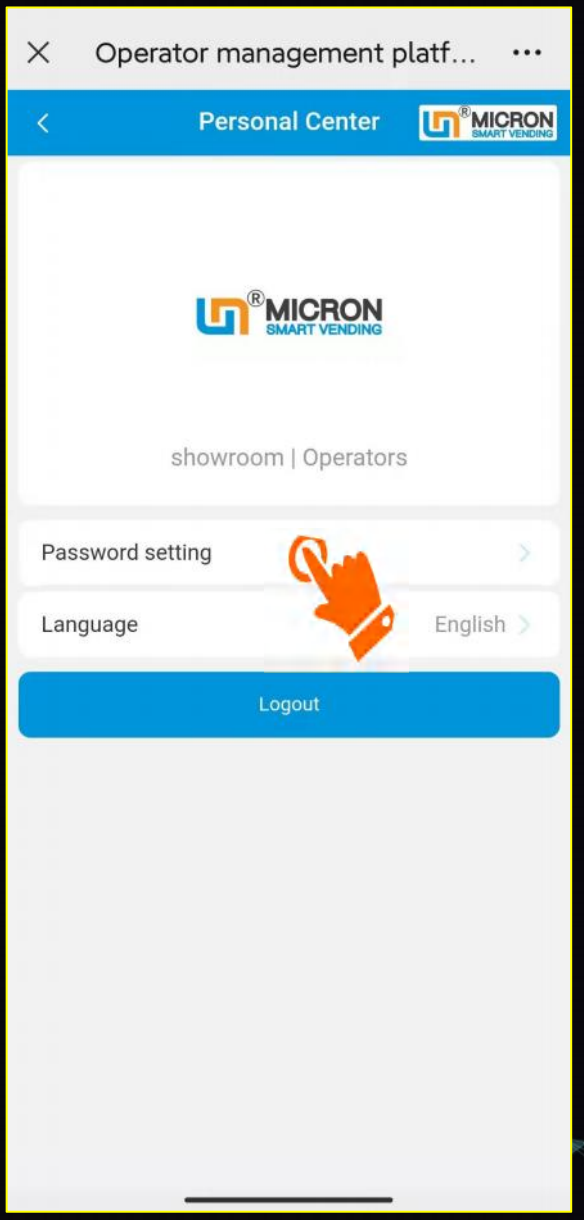
(Not available for some models)

2.6 Replanish Management

2.7 Monitor Center

*Follow to switch language and change password



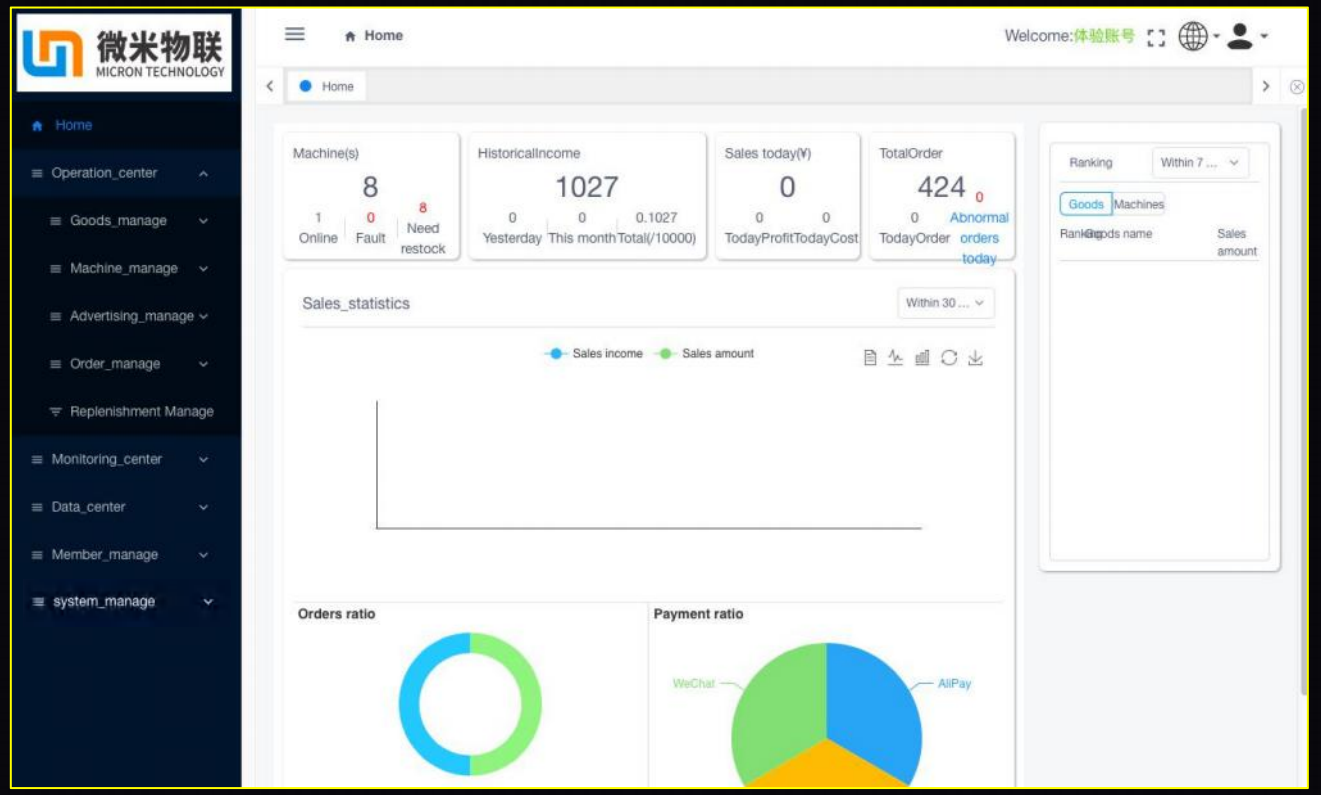


Part I: Management system

3. Computor (PC) system

3.1 Operation Center

This module manages: Goods/Machine/ Advertising/Order/Replenishment



3.2 Monitoring Center

This module monitors the status of the machines: Online/Fault/Stockout/Abnormal; And see SIM Card and energy consumption

3.3 Data Center

This module, you can check the Sale report/trend/statistics/ranking

3.4 Member manage

This module manages the Member info, and funds

3.5 System manage

This module manages Operator/IC card/Role/User

Part II: Fast setup - Step 1

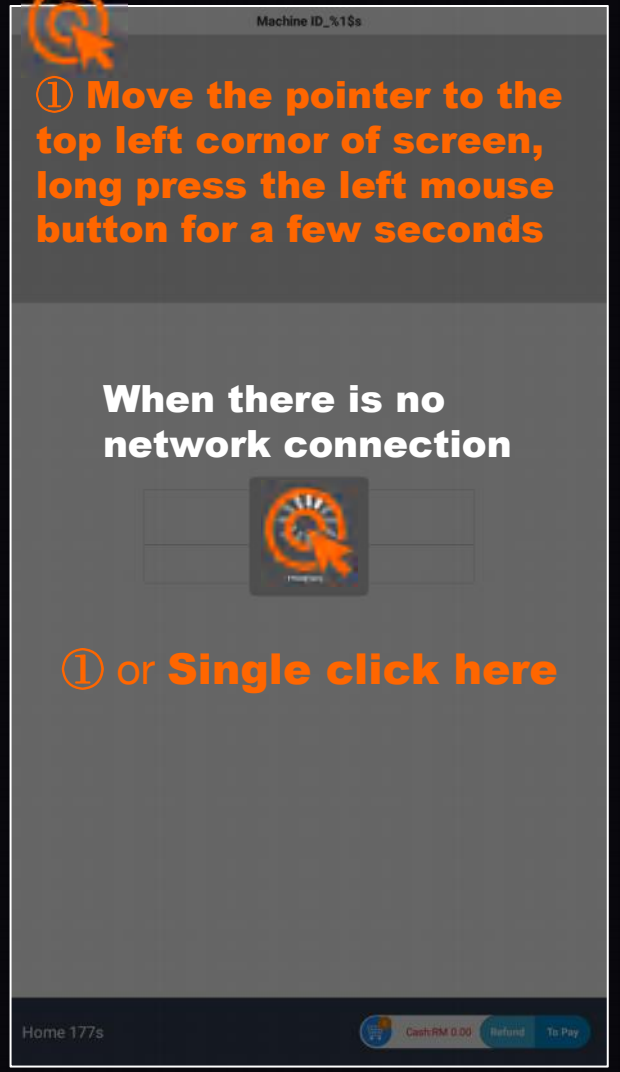
2.1.1 WIFI Connection (From machine LCD screen)

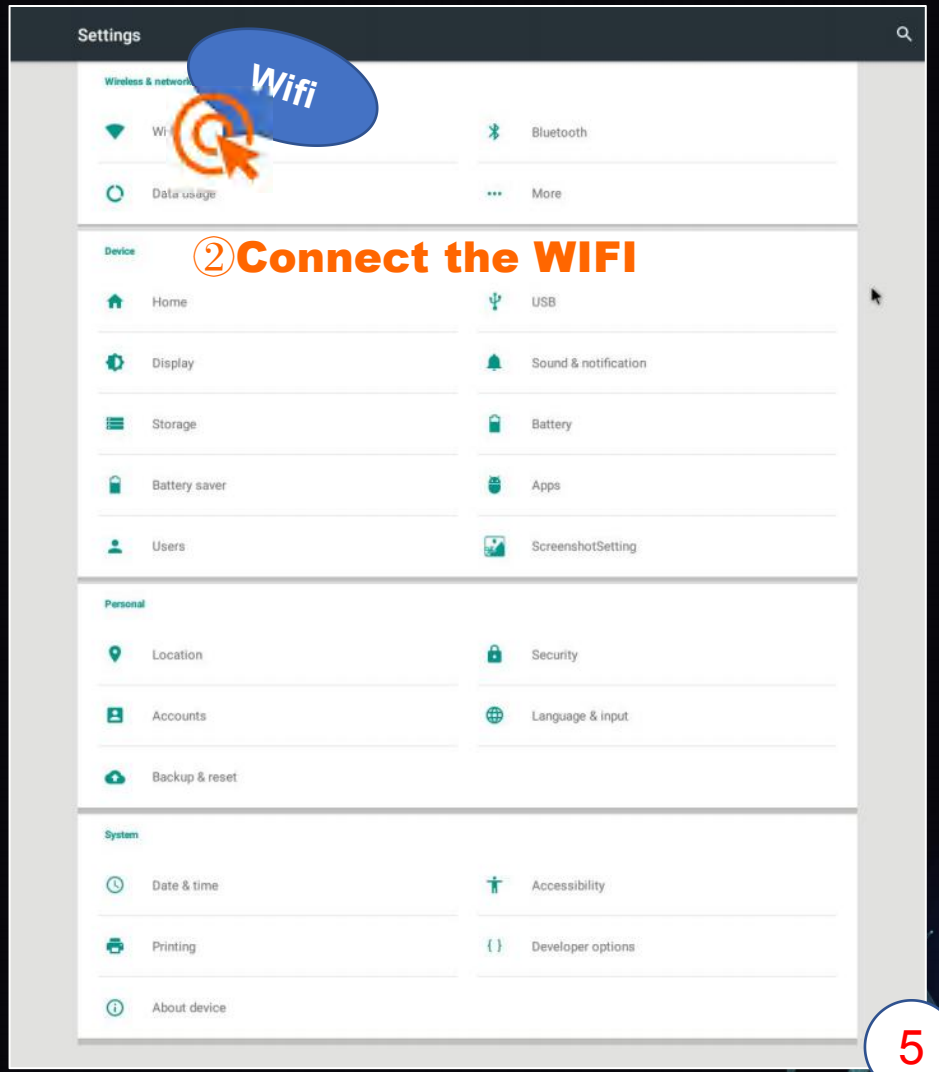
Video instruction

https://www.youtube.com/watch?v=YqBtkJTQ16k

Connect a mouse to the USB port of the Android mainboard

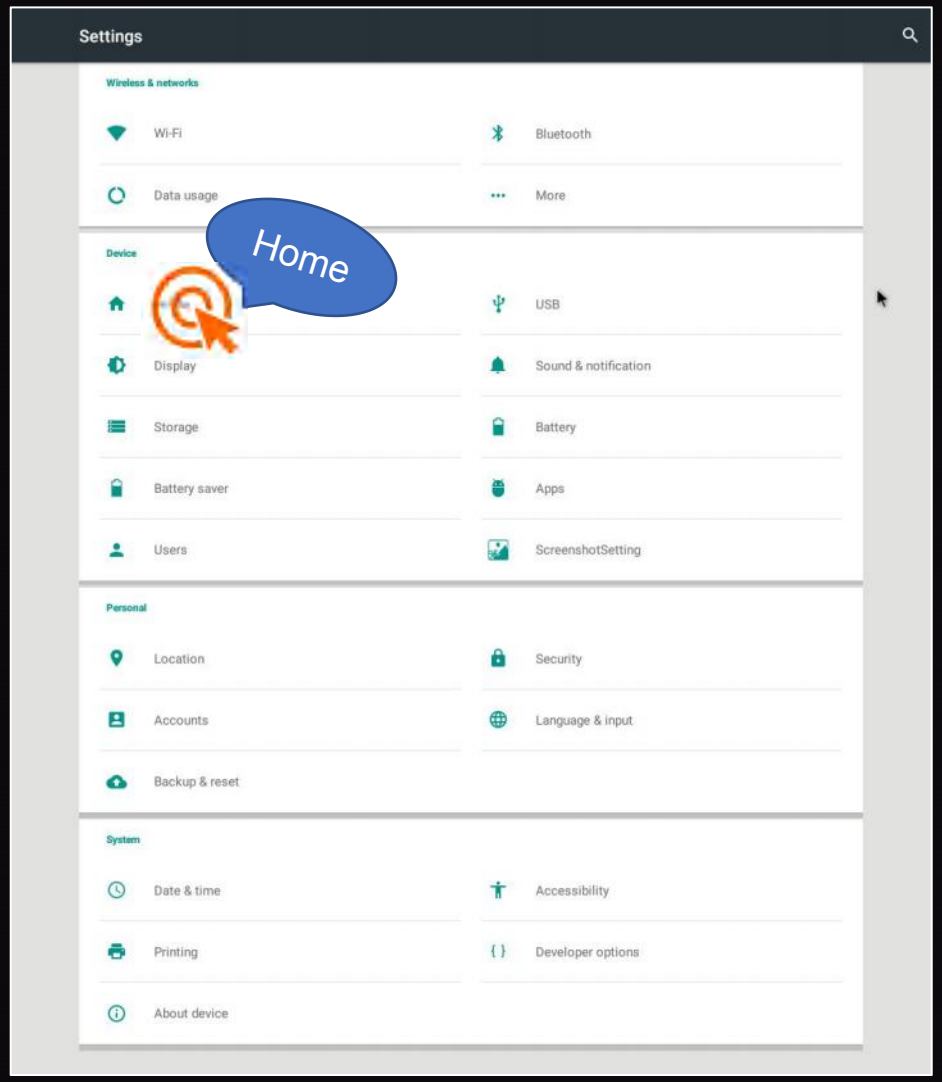
Turn on Android

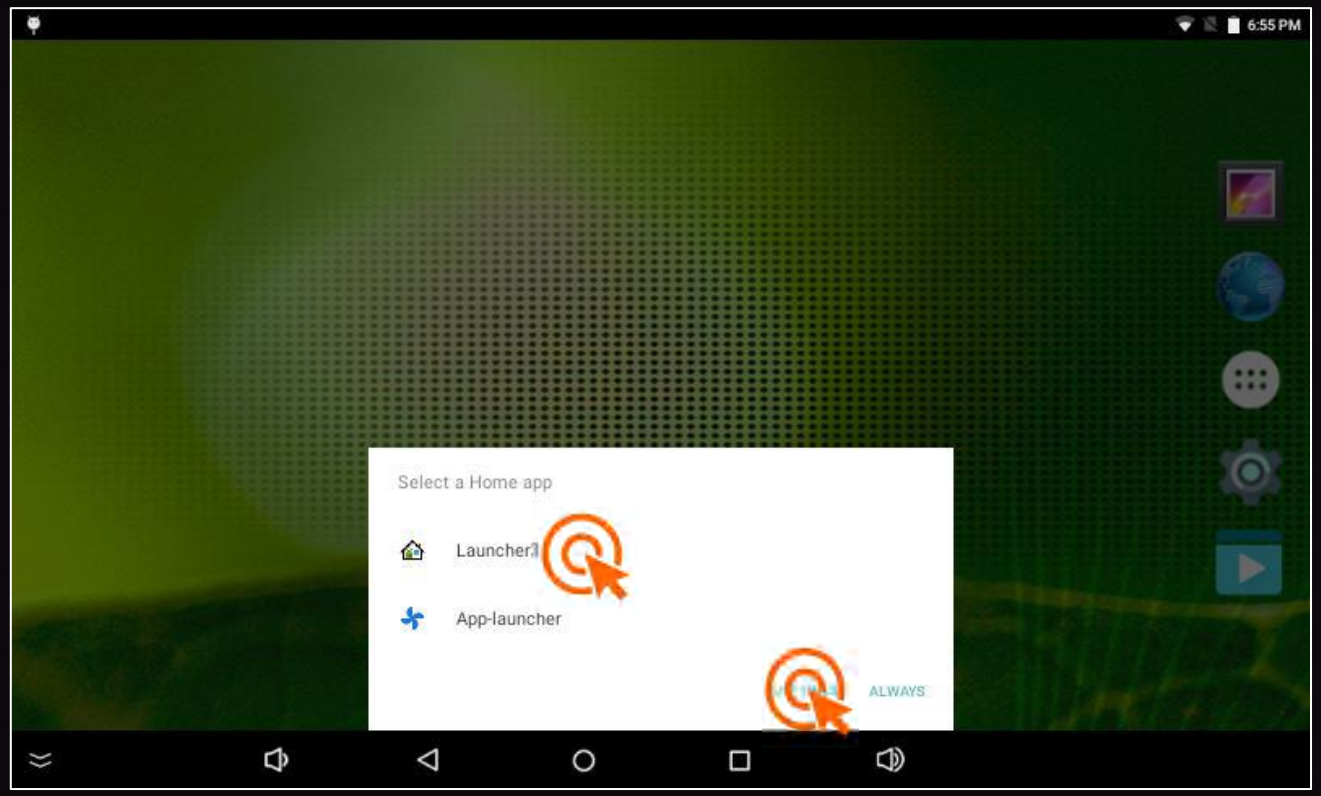




Part II: Fast setup - Step 1

2.1.2 Enter Vending APP





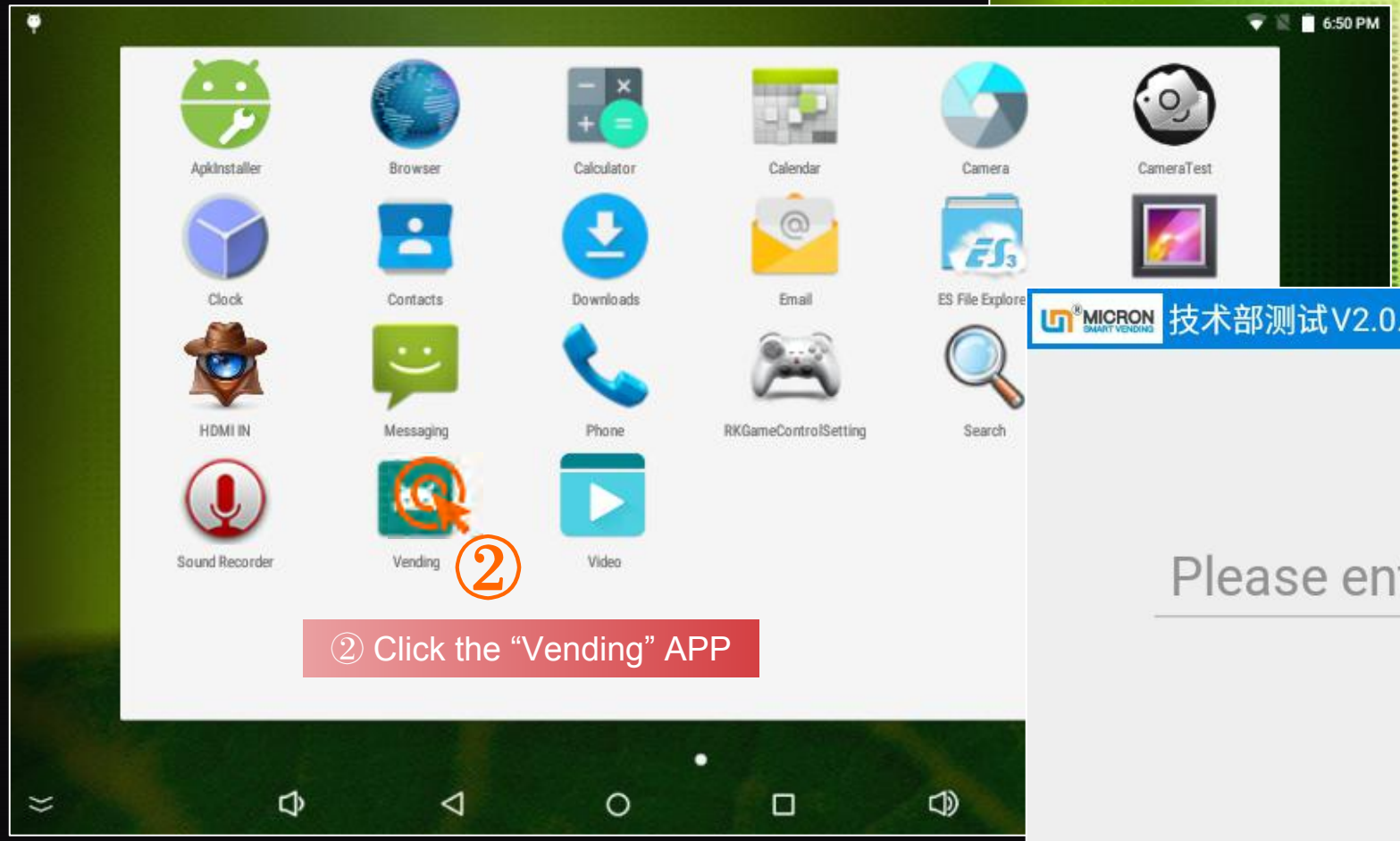
※Testing stage: Select Laucher3

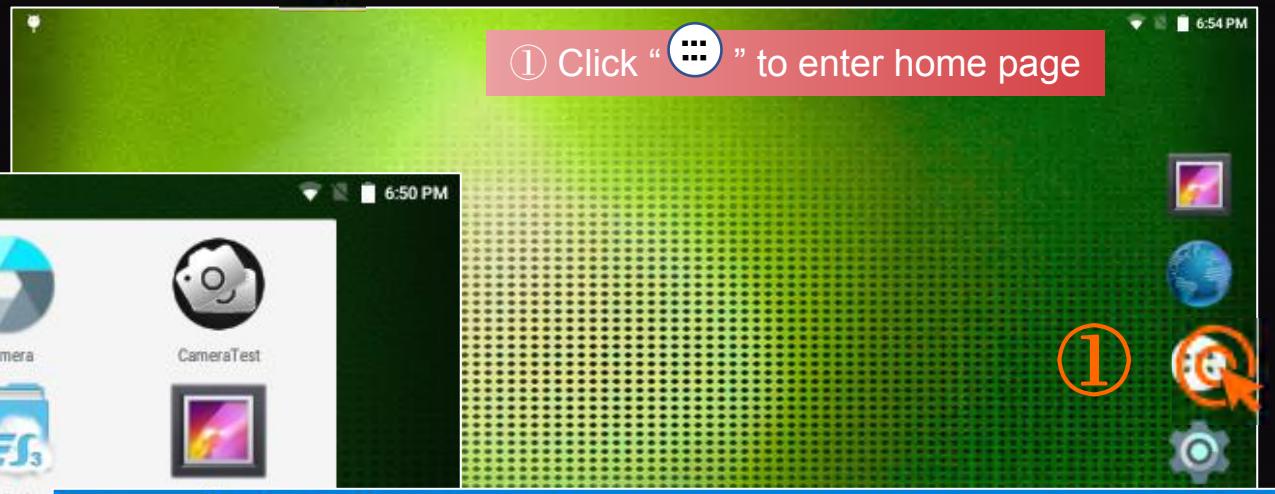
※After finished all settings: Select APP-Laucher
(This step is very important!!!)

To make sure it will enter into the Vending App automatically.

Part II: Fast setup - Step 1

2.1.2 Enter Vending APP

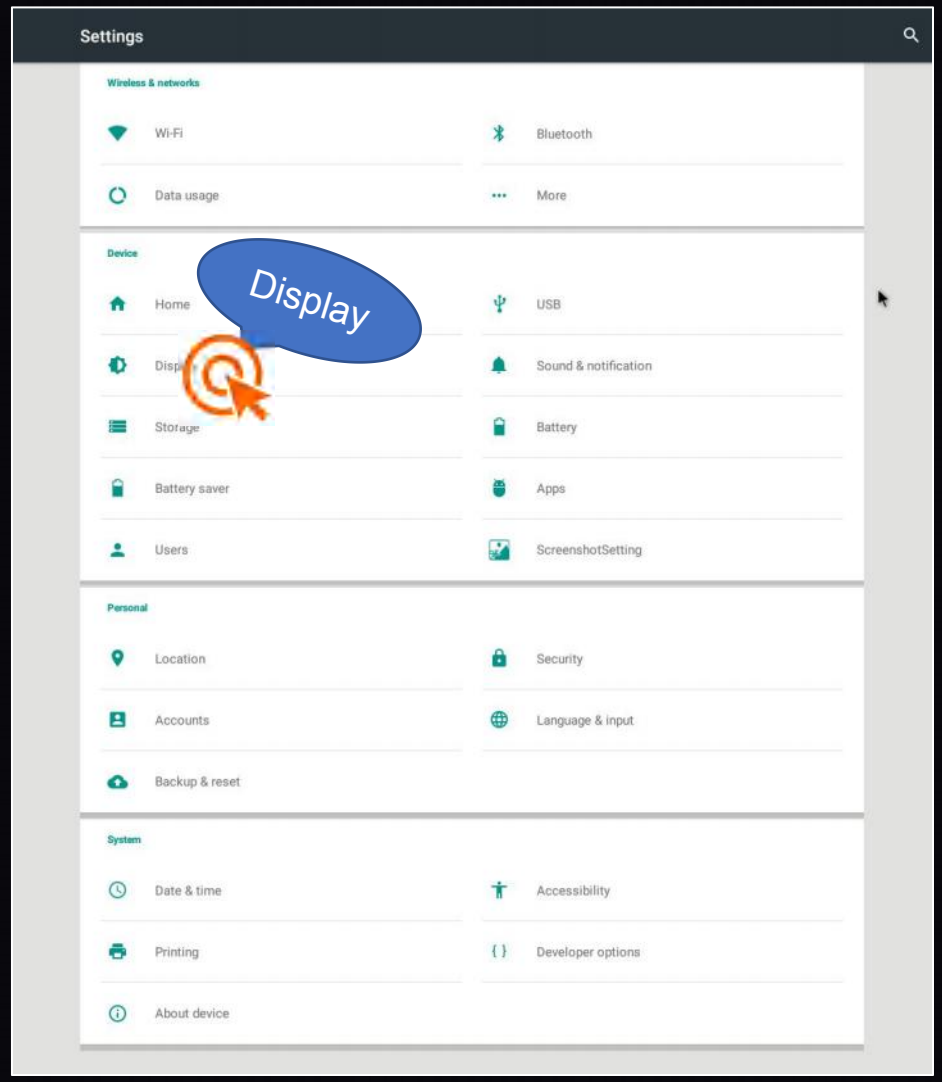


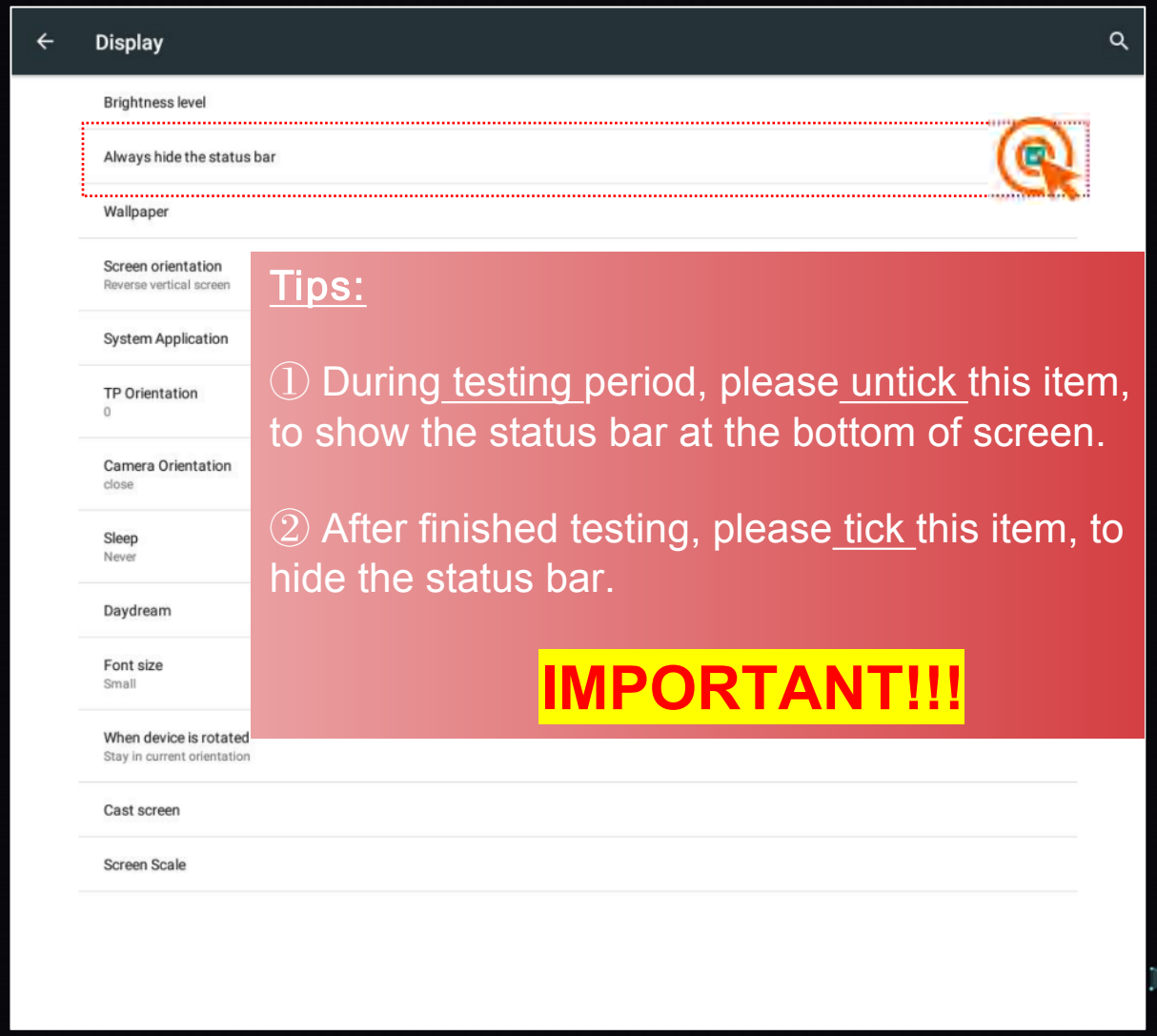


We call this as “Status bar”
How to display or hide it? refer to next page

Part II: Fast setup - Step 1

Tips: How to display/hide the status bar

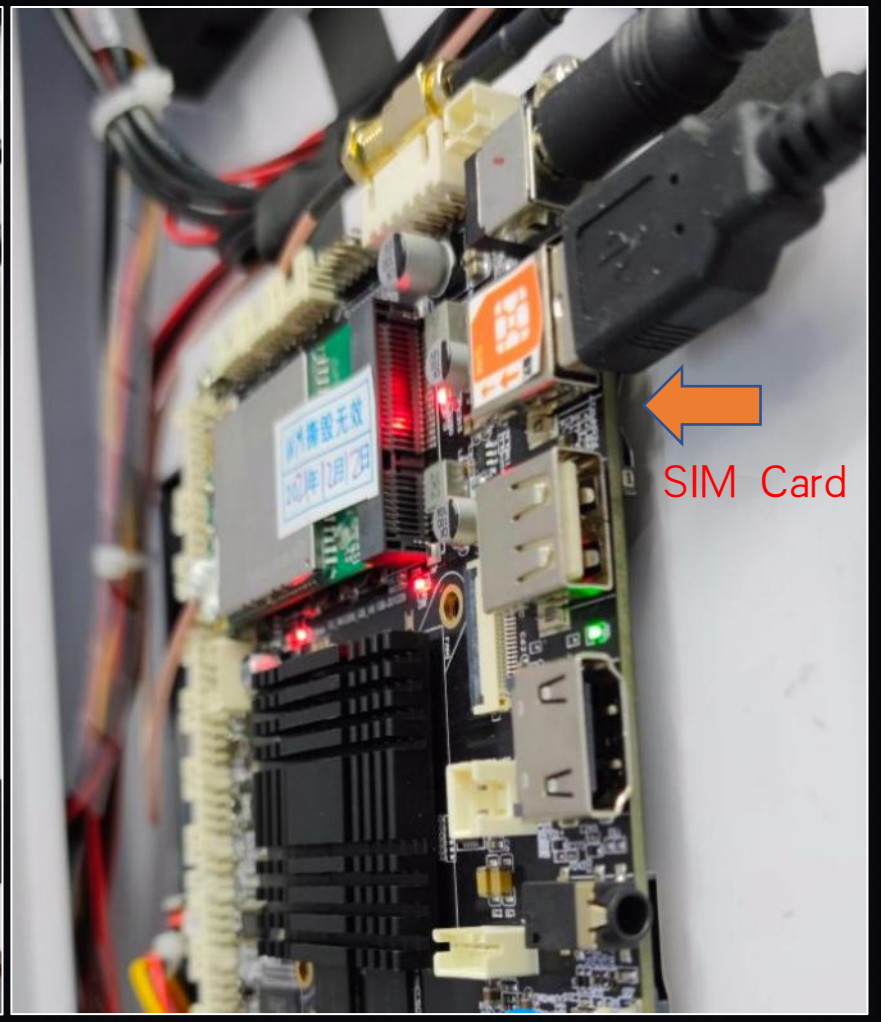


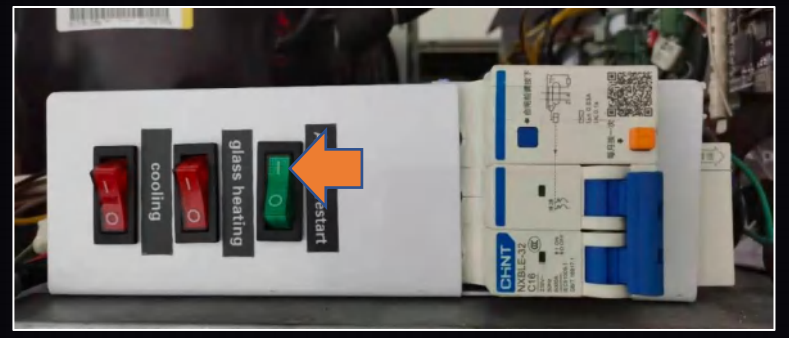


Part II: Fast setup - Step 1

2.1.3 SIM Card (3G/4G)

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





The Andriod mainboard is installed at the back side of the 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, then need to set APN.

Part II: Fast setup - Step 1

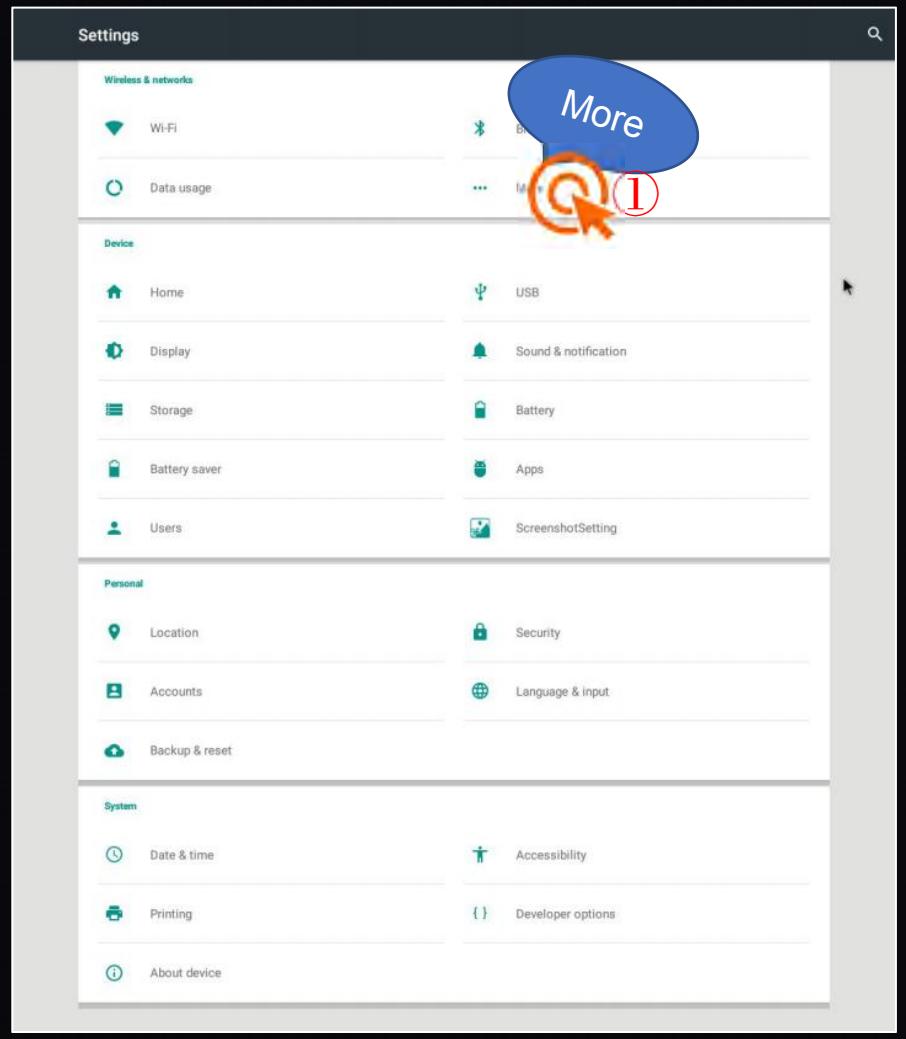
How to set APN?

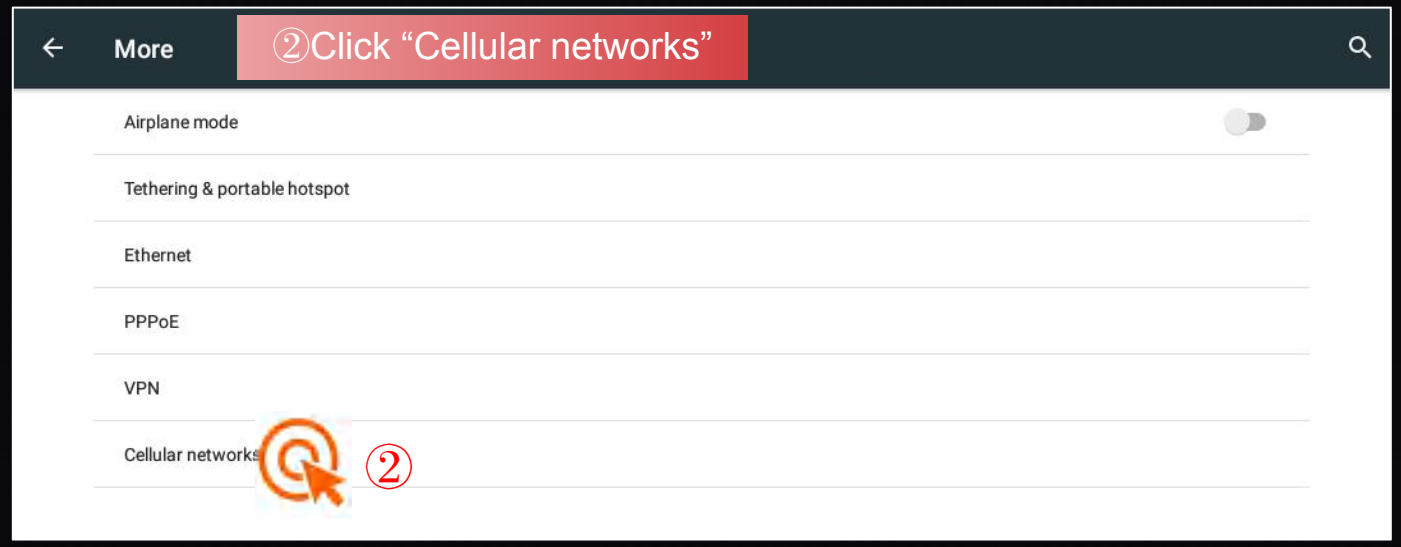
https://www.youtube.com/watch?v=ByIPLZGbuUw

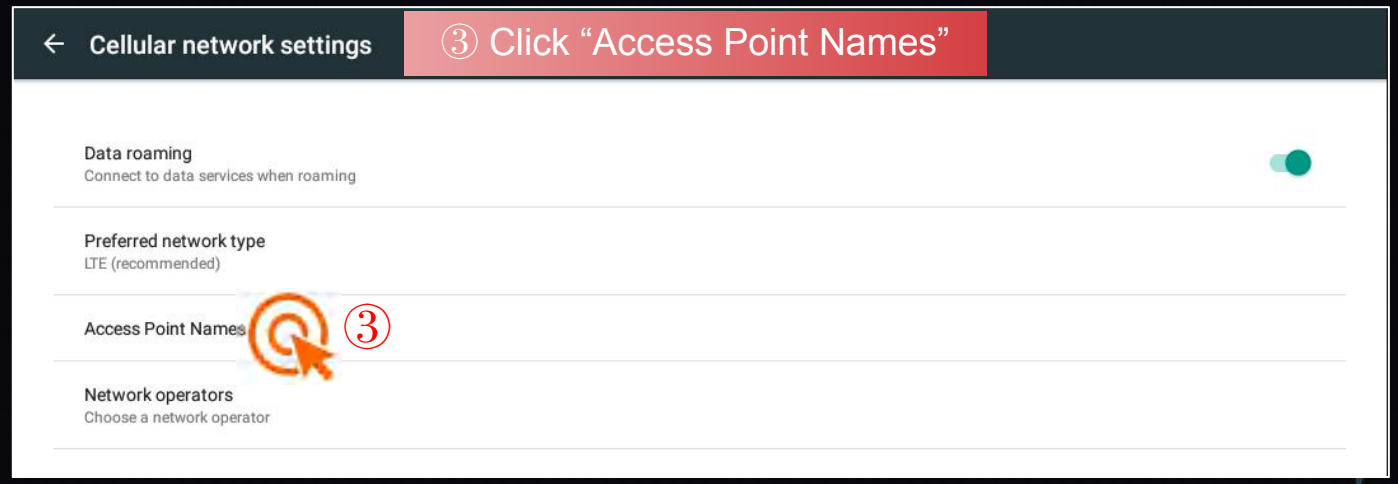
2.1.3 SIM Card (3G/4G)

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).

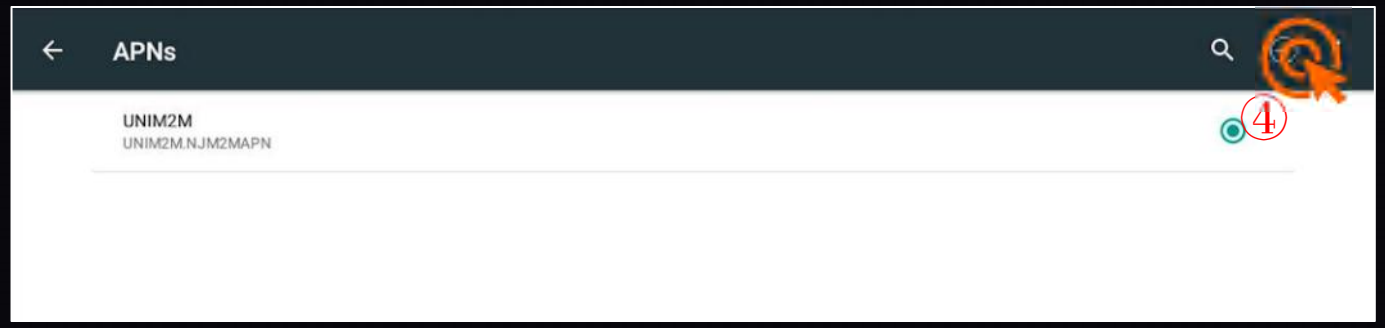






Part II: Fast setup - Step 1

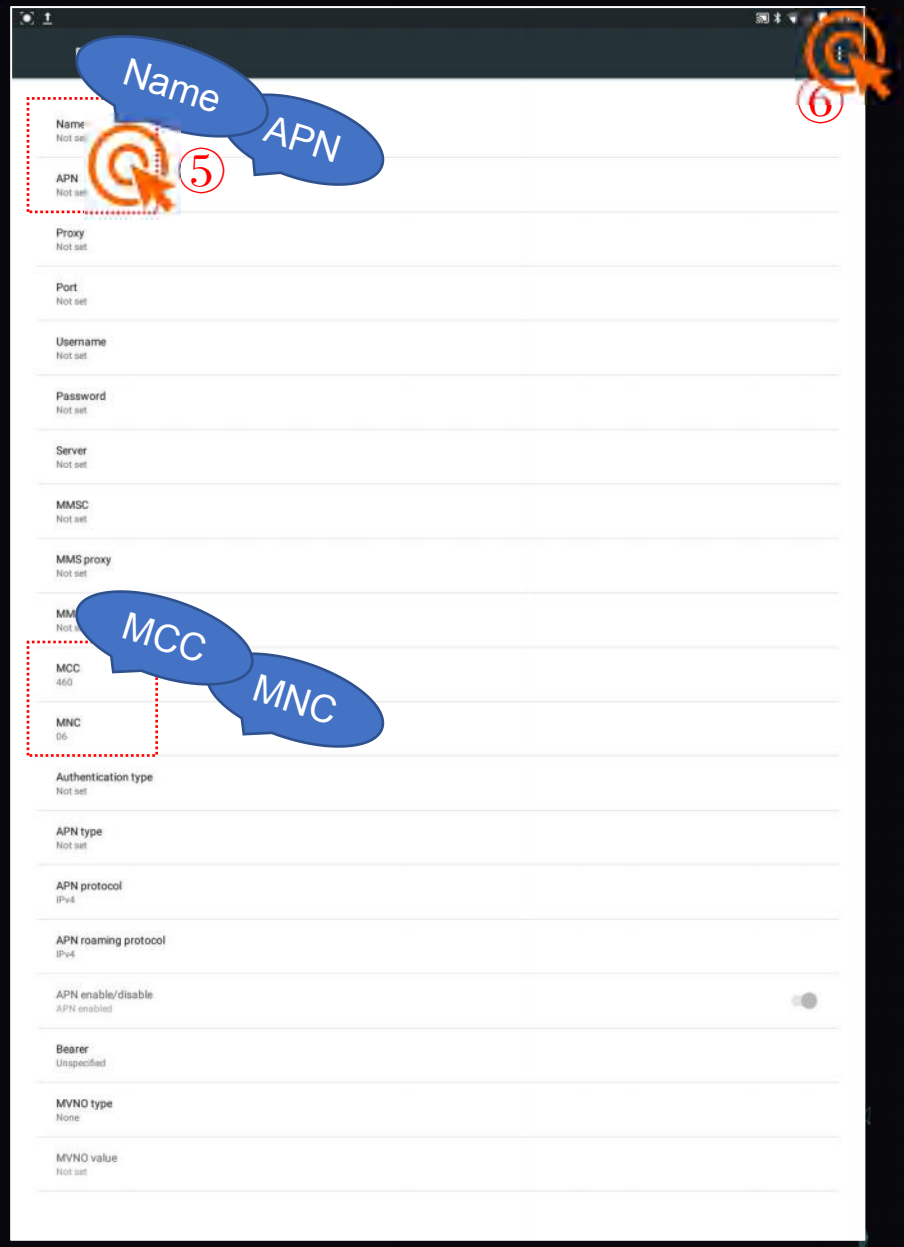
2.1.3 SIM Card (3G/4G) – Set APN



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.



Part II: Fast setup - Step 2

2.2 Create product data base

Login management system by phone

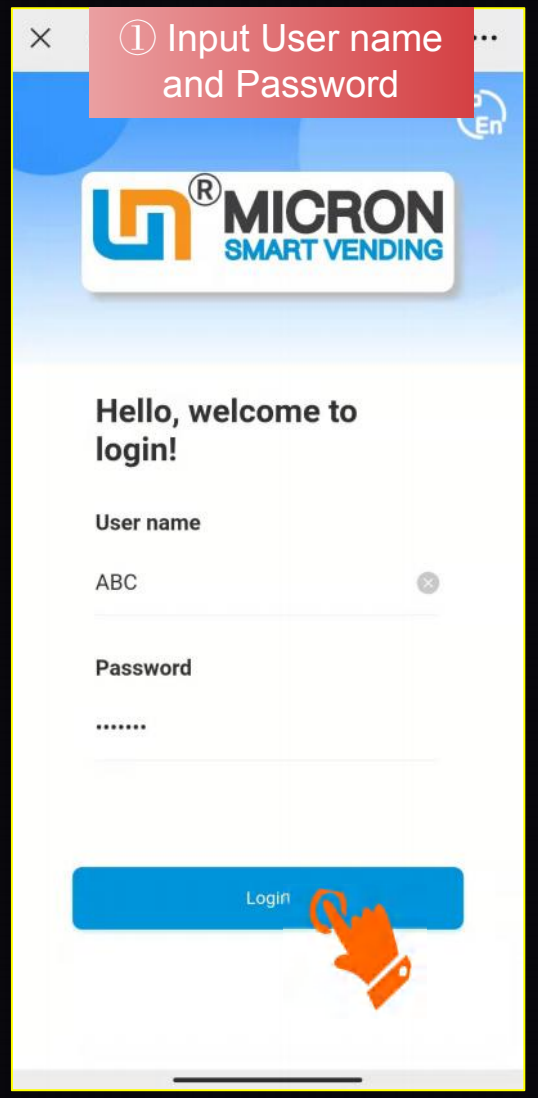
https://moperator.tech.weimi24.com

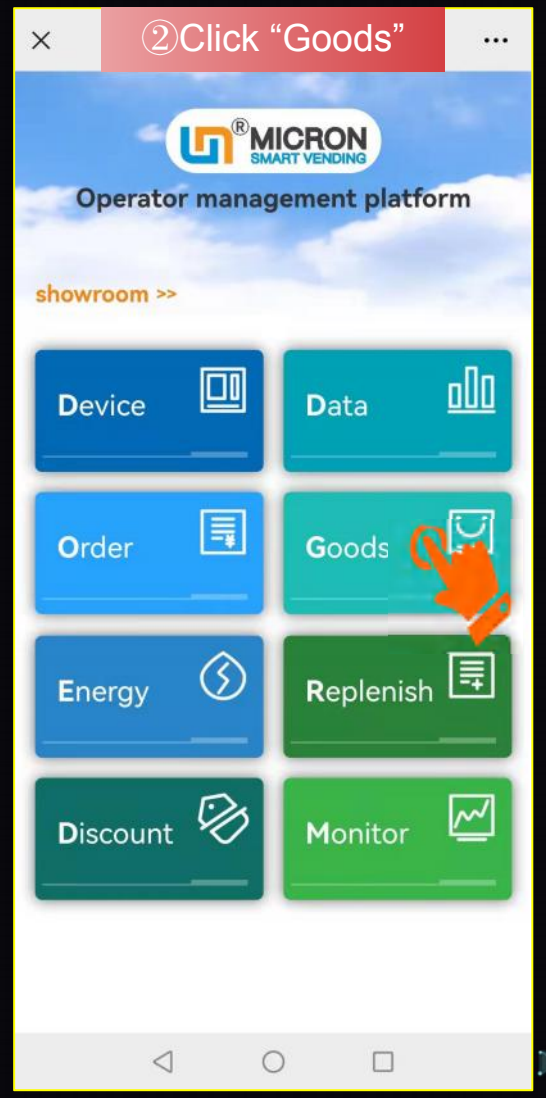
Remark:

※ User name and Password will be sent to you by our sales person, please always keep it as confidential.

※ Product database can be created from both mobile and computer systems. However, we suggest do it from mobile system, as it is more convenient.

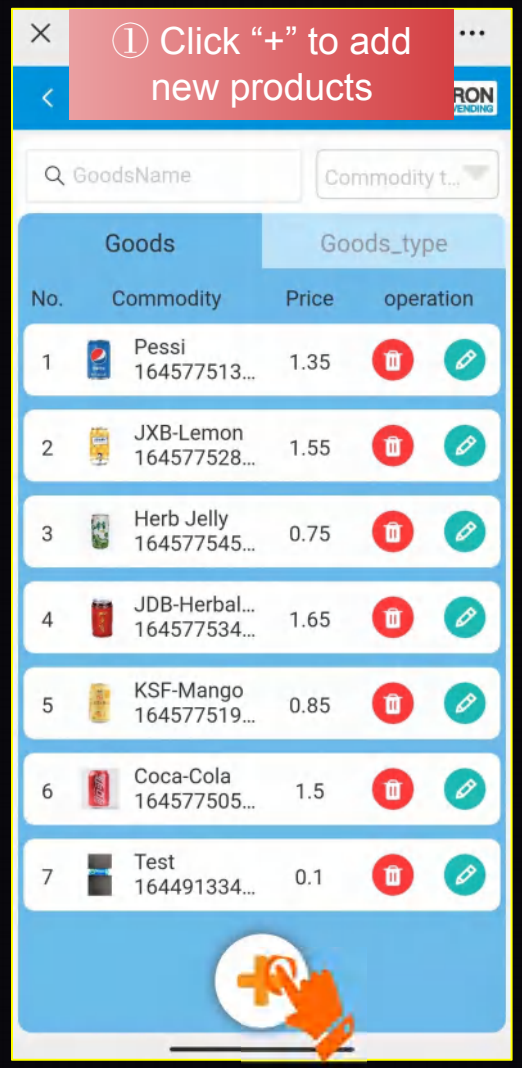
※ The products you created can be used for ALL machines under this user name. No need to create products for each machine.

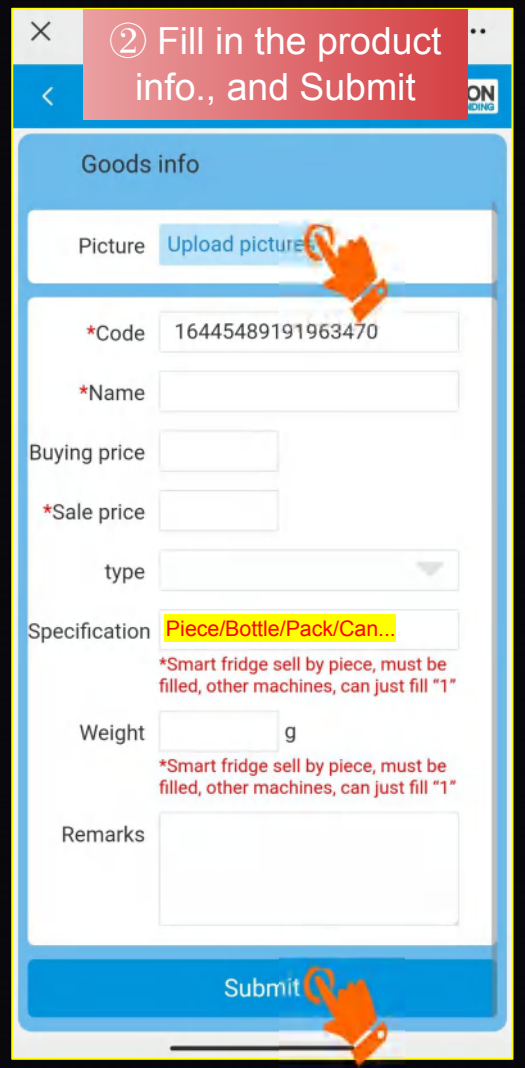




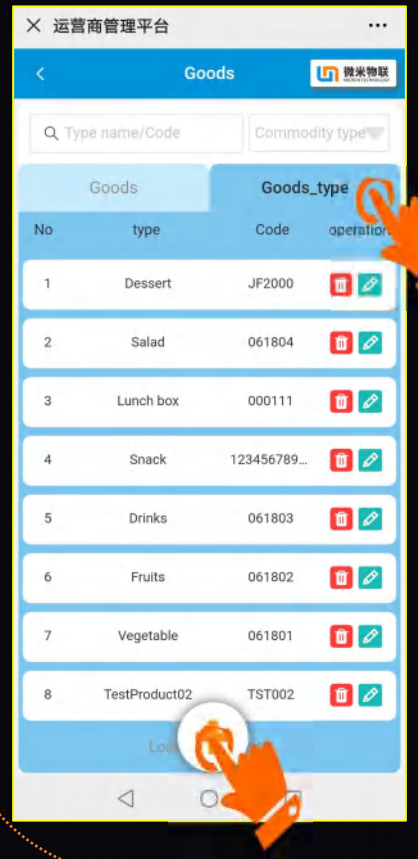
Part II: Fast setup - Step 2

2.2 Create product data base





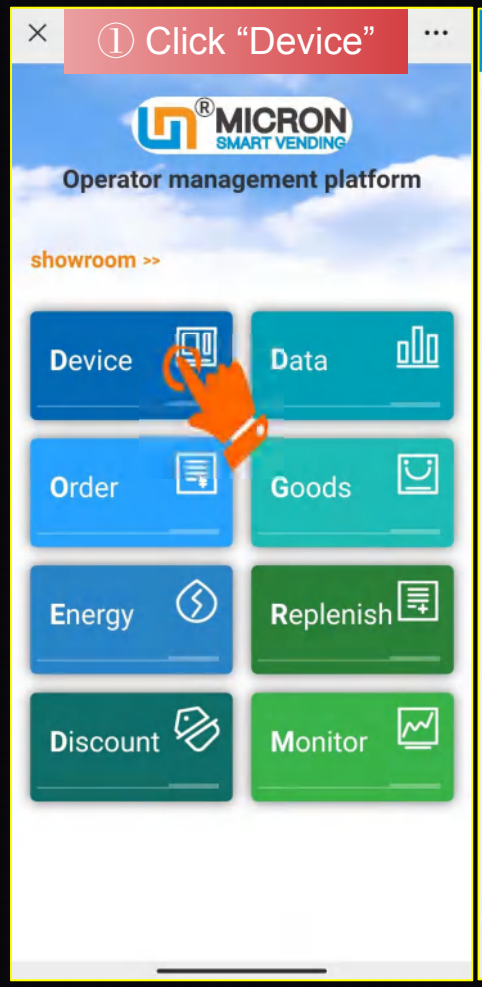
Optional:
Create product type. For future batch operation.

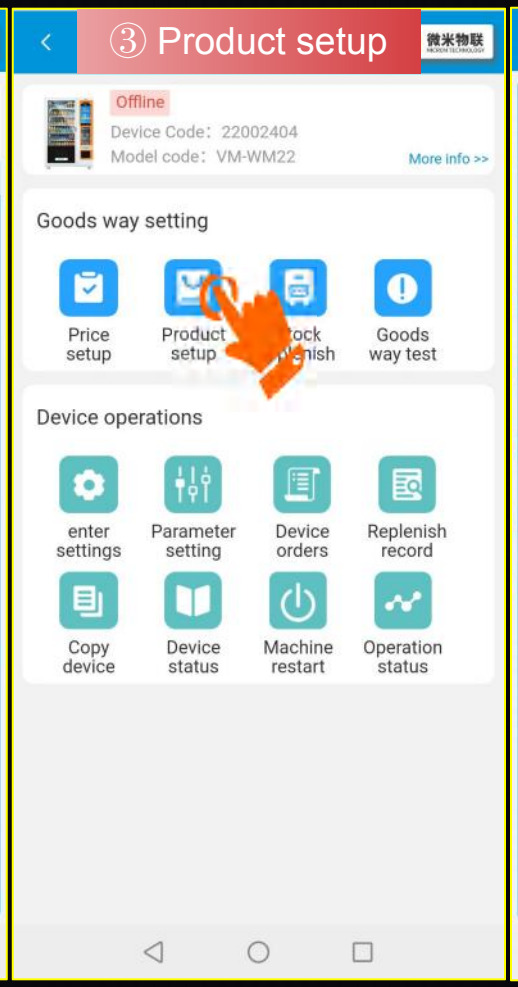


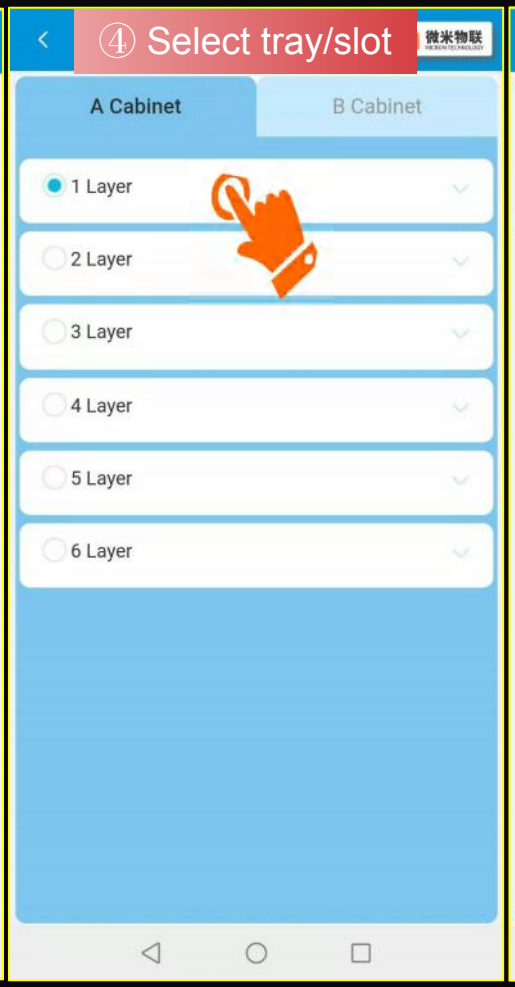
Part II: Fast setup - Step 3

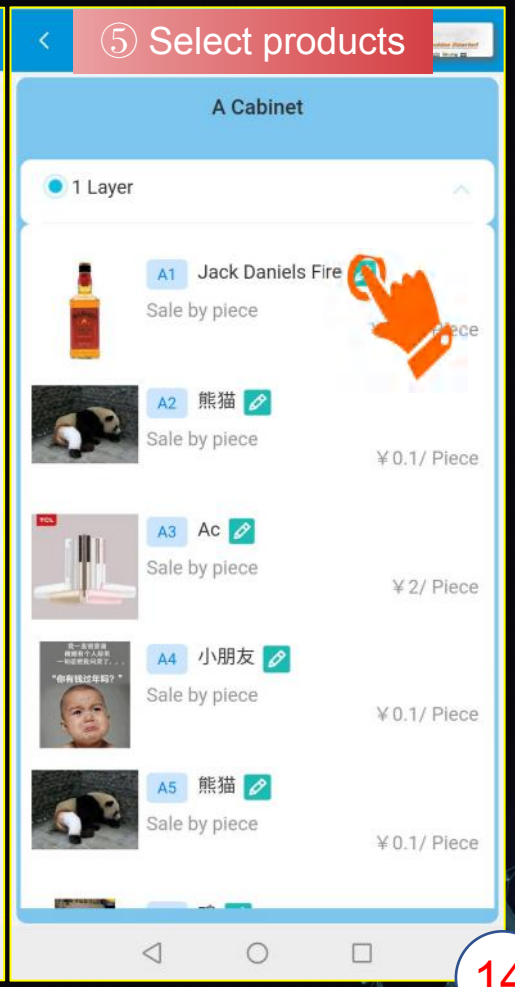
2.3 Machine product set up

From Product database to each goods tray / slot







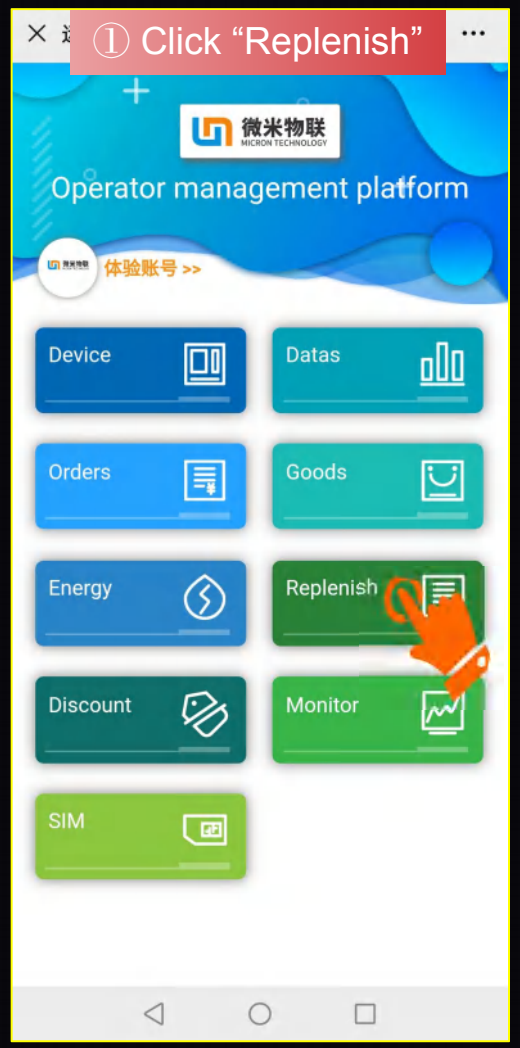


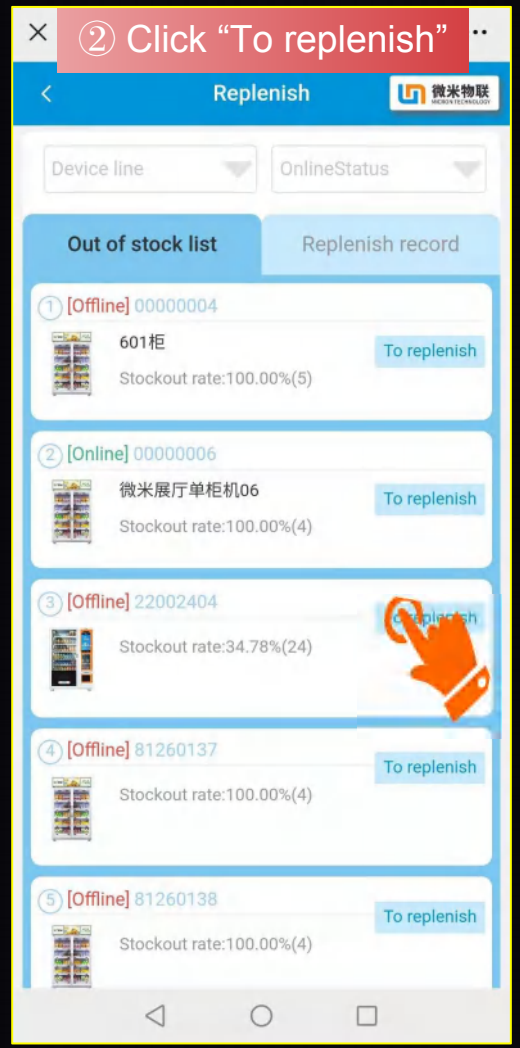
Part II: Fast setup - Step 4

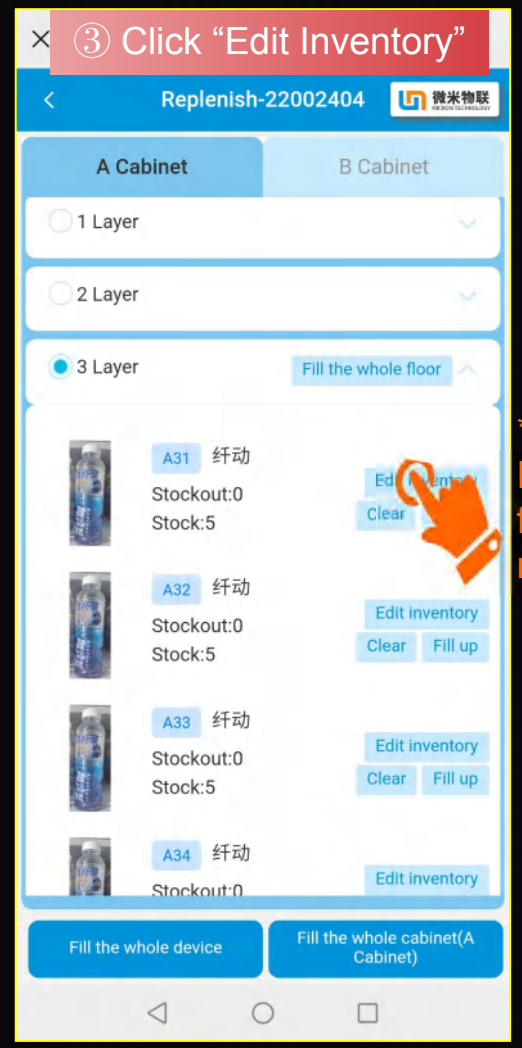
2.4 Fill the machine

Till here, machine is ready for Testing!

Physical Replenishment







*Shortcut：
Fill the whole floor/cabinet/ machine

Part III: Machine basic settings

3.1 How to set temperature

Temperature controller

Ture on/off cooling system

How to set temperature?

https://www.youtube.com/watch?v=05RjsfNonu8

For vending machine with cooling system.

The temperature can be adjusted

Off set temp is 10℃(default).

Tips:

In case no Temp. controller is found there, then you can set the temperature from the Mobile phone system. (Energy module)

Part III: Machine basic settings

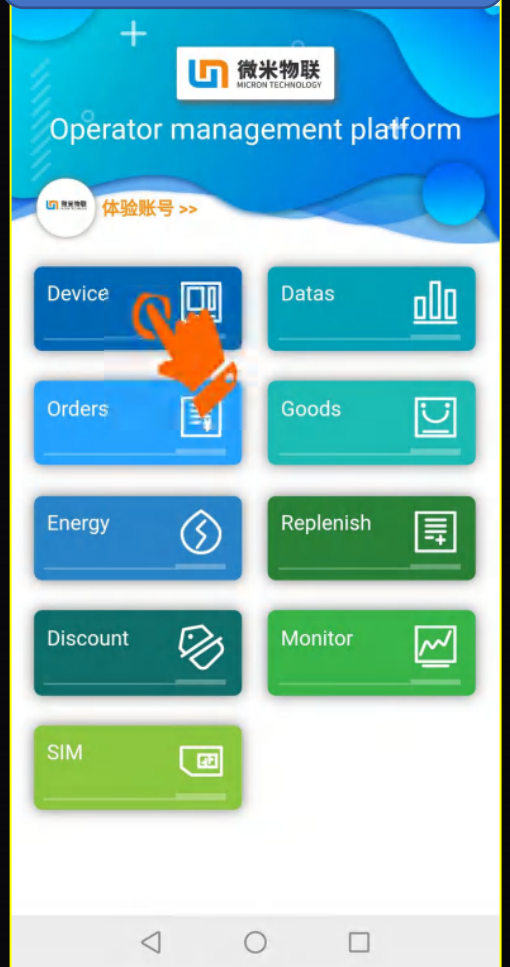
3.2 How to set currency symbol of selling price & set payment system

Smart phone system

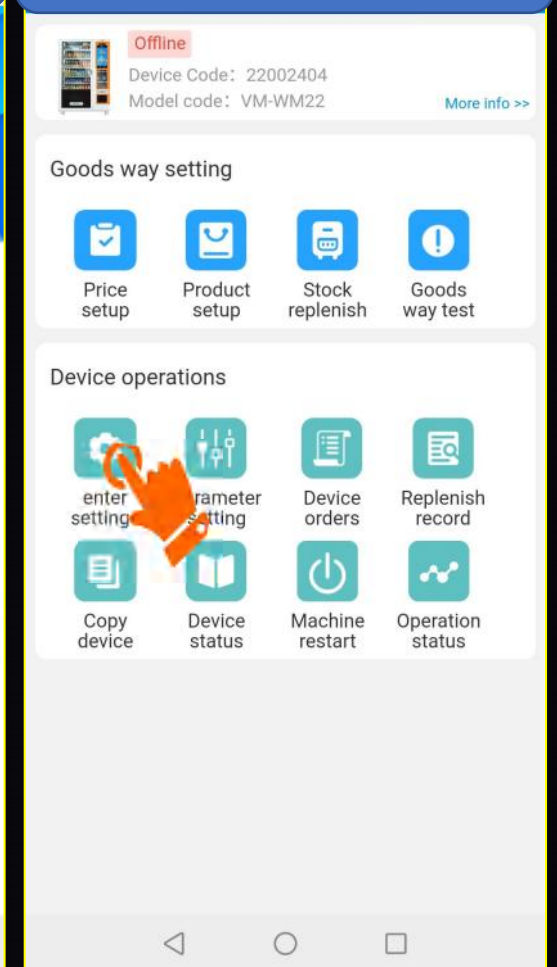
Login Smart system with mobile phone

https://moperator.tech.weimi24.com

Click "Device" and select machine



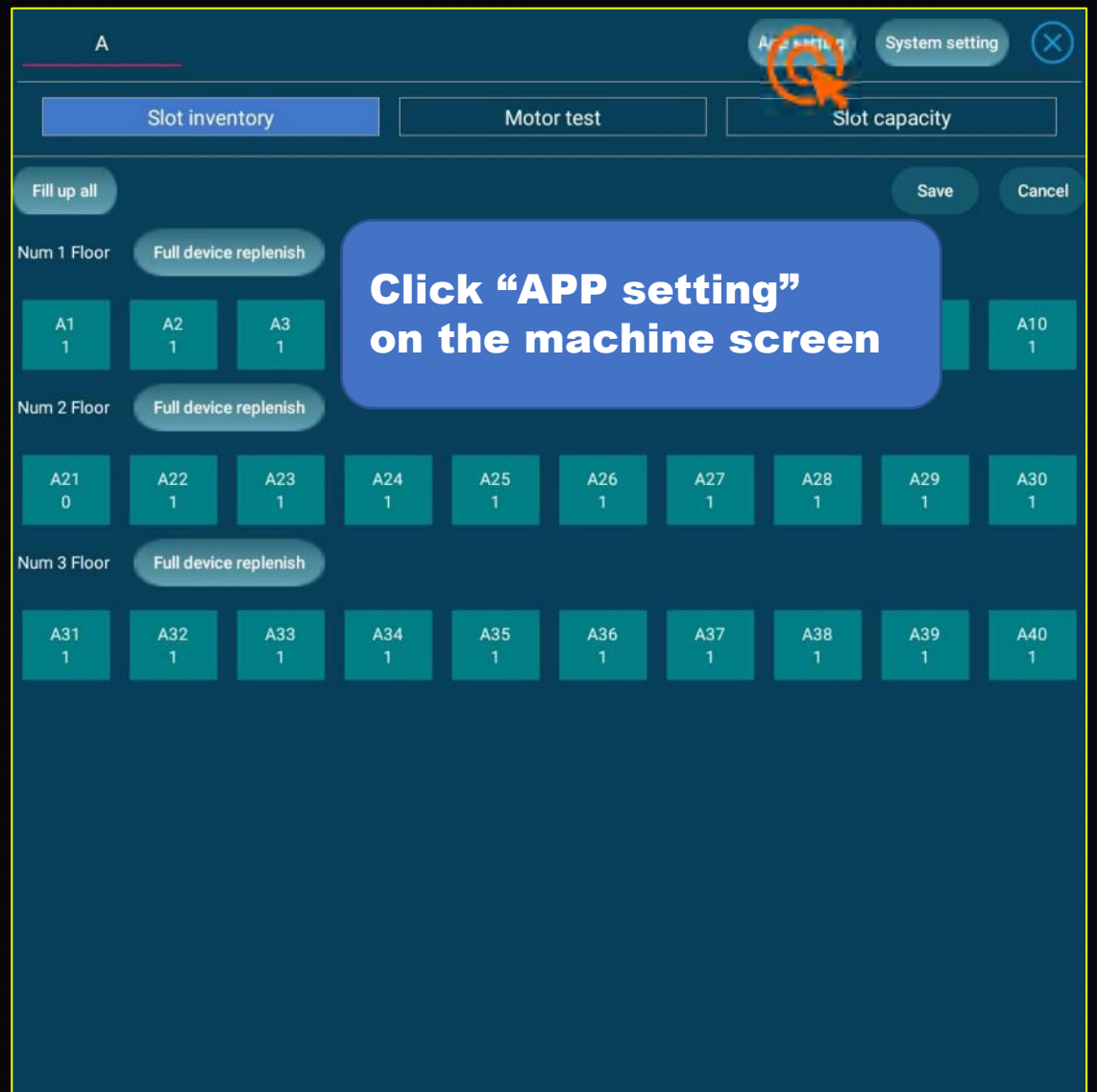
Click "Enter setting"



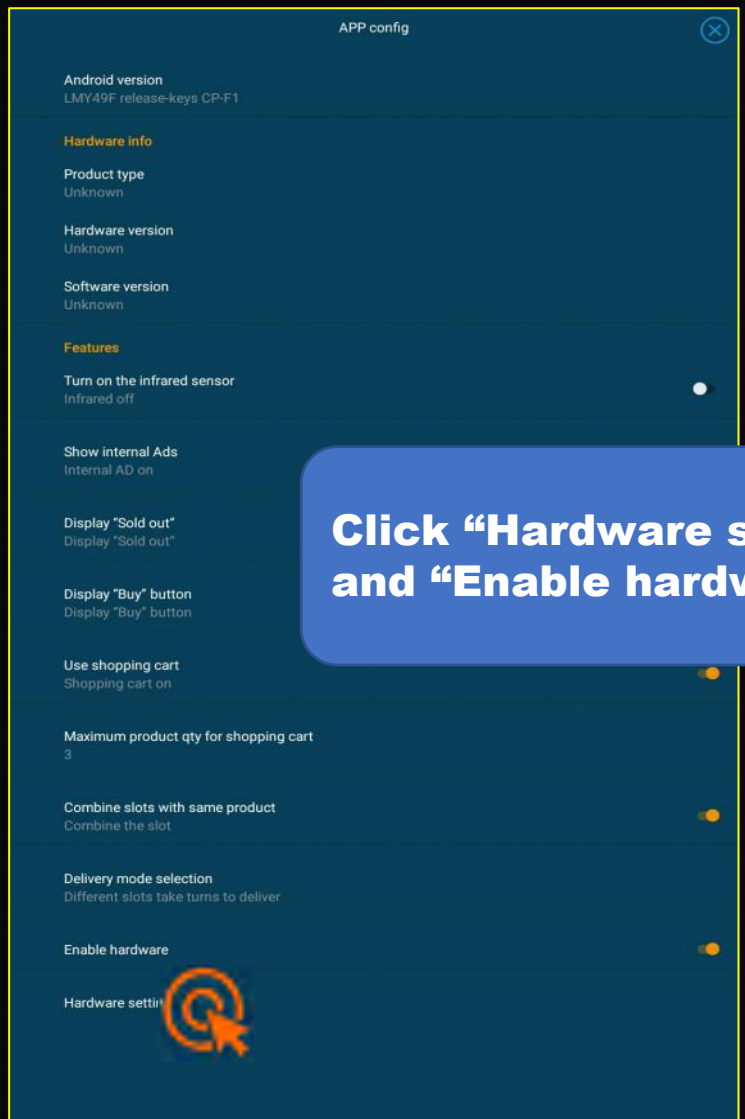
Input the password "112233550077" on the machine screen

Part III: Machine basic settings

3.2 How to set currency symbol of selling price & set payment system



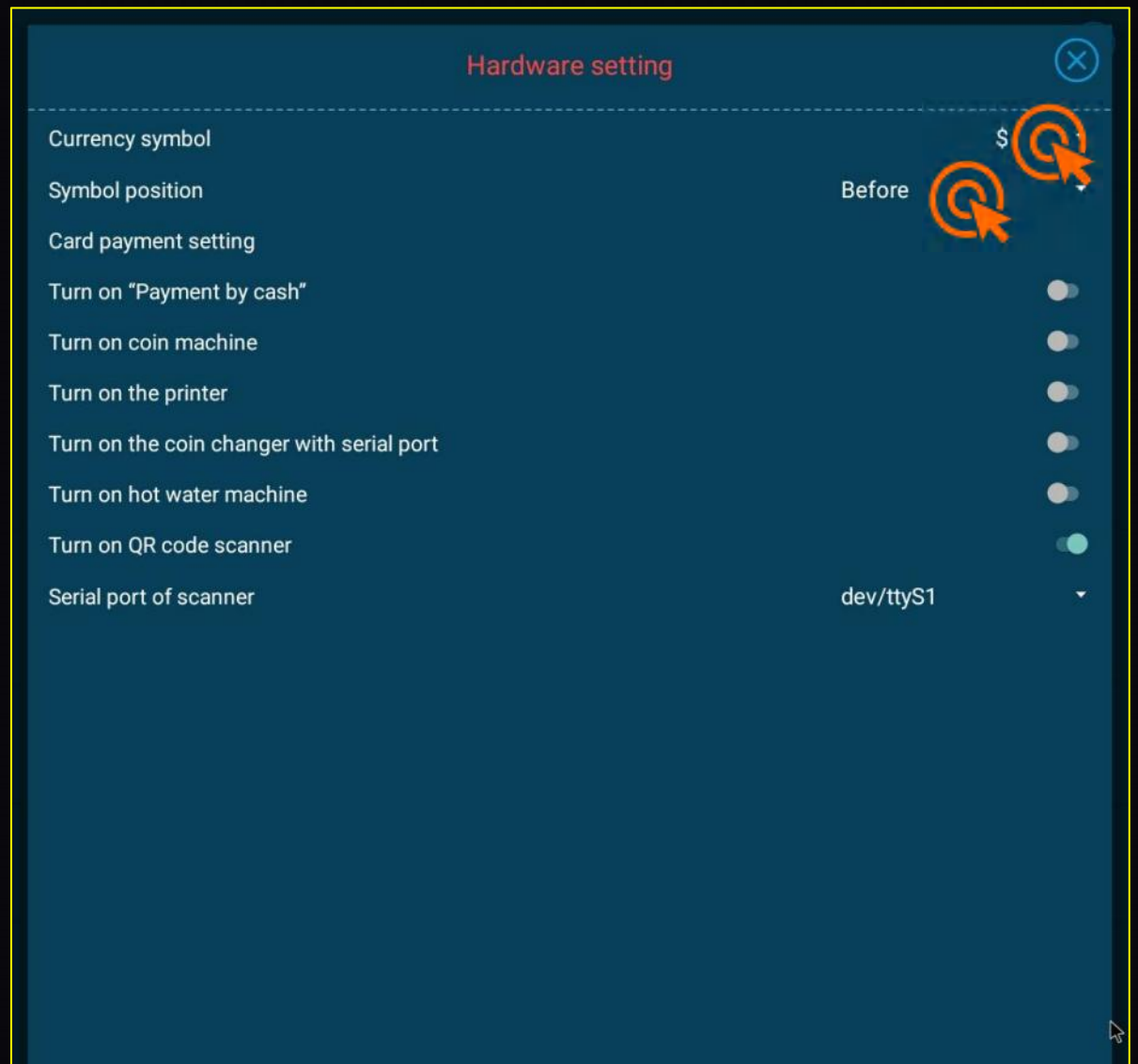
Click “APP setting” on the machine screen



Click “Hardware setting” and “Enable hardware”

Part III: Machine basic settings

3.2.1 How to set currency symbol of selling price



Click "Currency symbol"

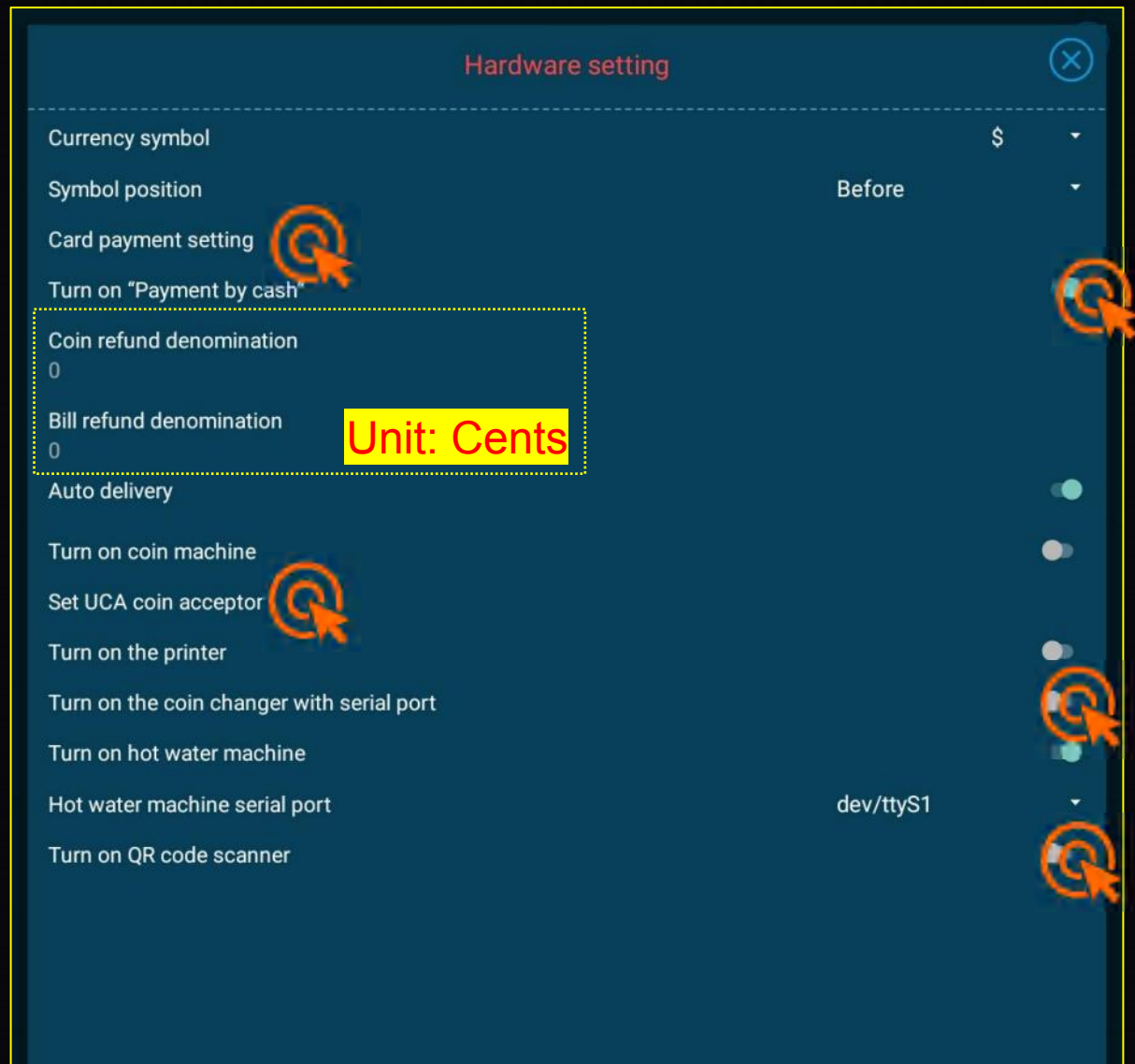
And then

Select the symbol

Besides, you can choose the position of the symbol before or behind the price "$ 1.50" or "1.50 $"

Part III: Machine basic settings

3.2.2 How to set payment system (based on the actual payment system)



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 small changes, then set the denominations [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

3.3 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 time will be 60s...And you can re-set the time from the machine screen.

Buying page

60s

Press any key
on the keypad

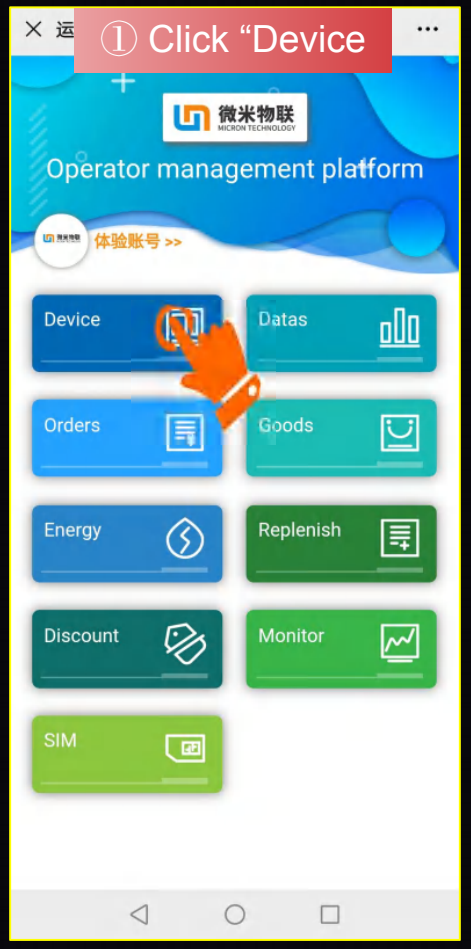
Playing Ads

Part III: Machine basic settings

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

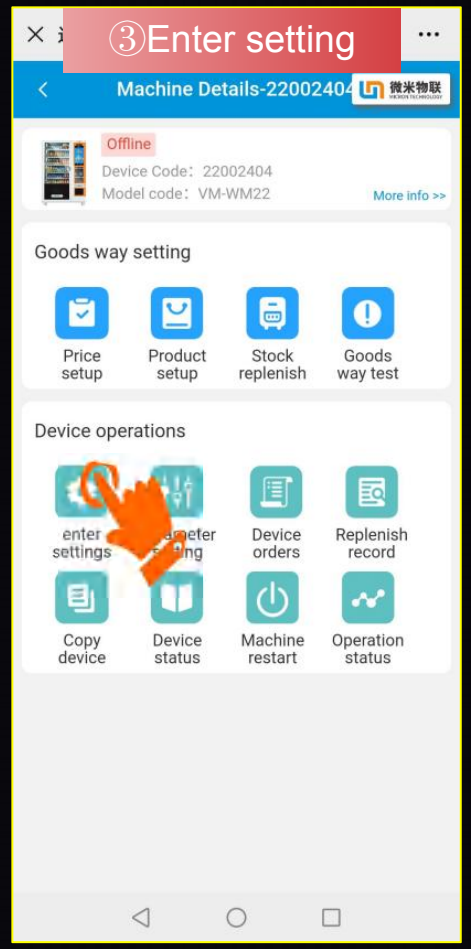
Log in your mobile management system.

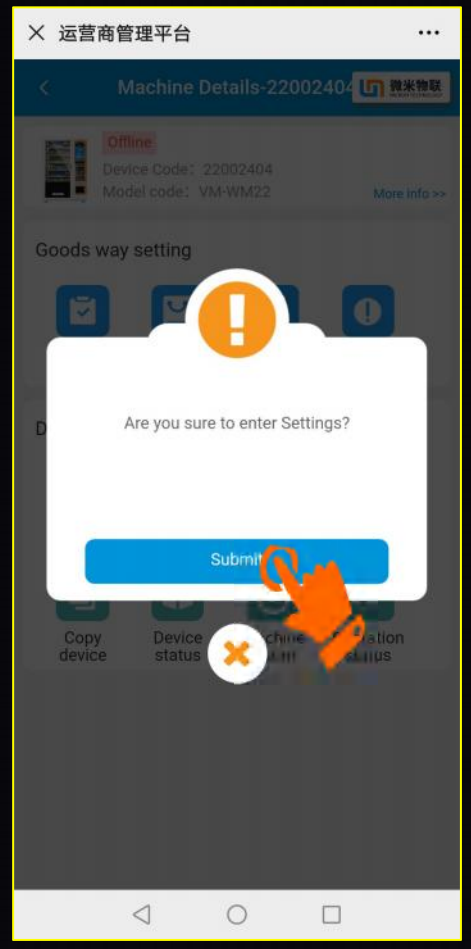
① Click “Device



②Select the machine

③Enter setting





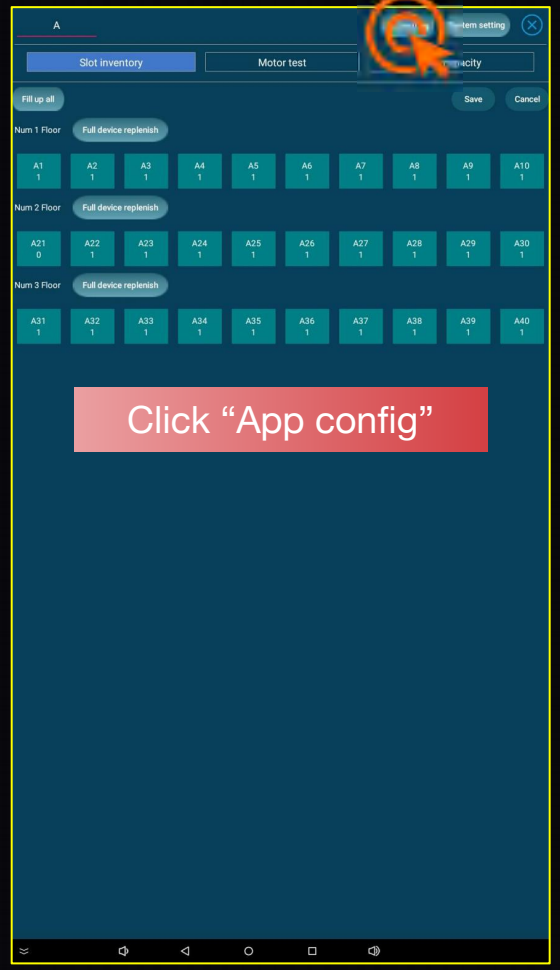
Input the password 112233550077 on the machine screen

Part III: Machine basic settings

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

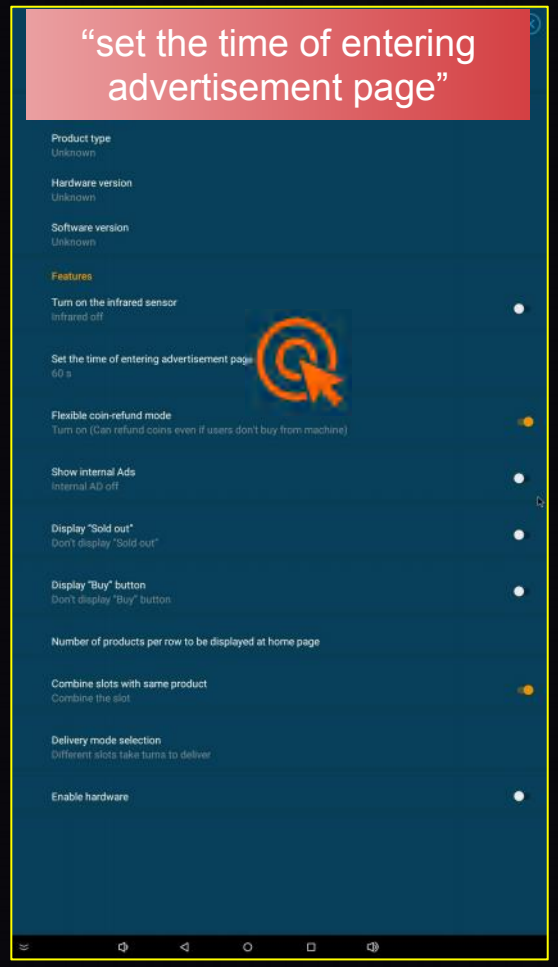
You can set the time as you like: input the number, and then click “confirm”.

Input the password “112233550077” on the machine screen

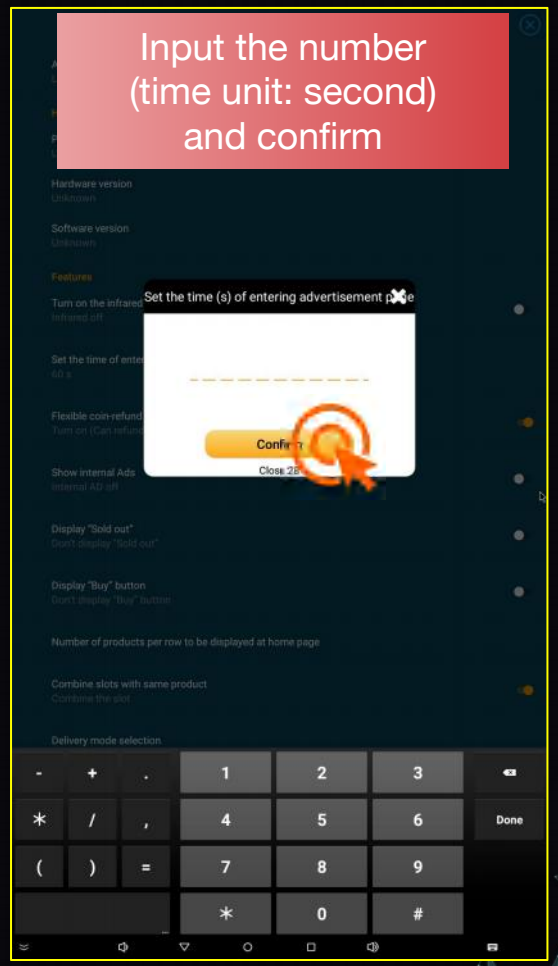


Click “App config”

“set the time of entering advertisement page”



Input the number (time unit: second) and confirm

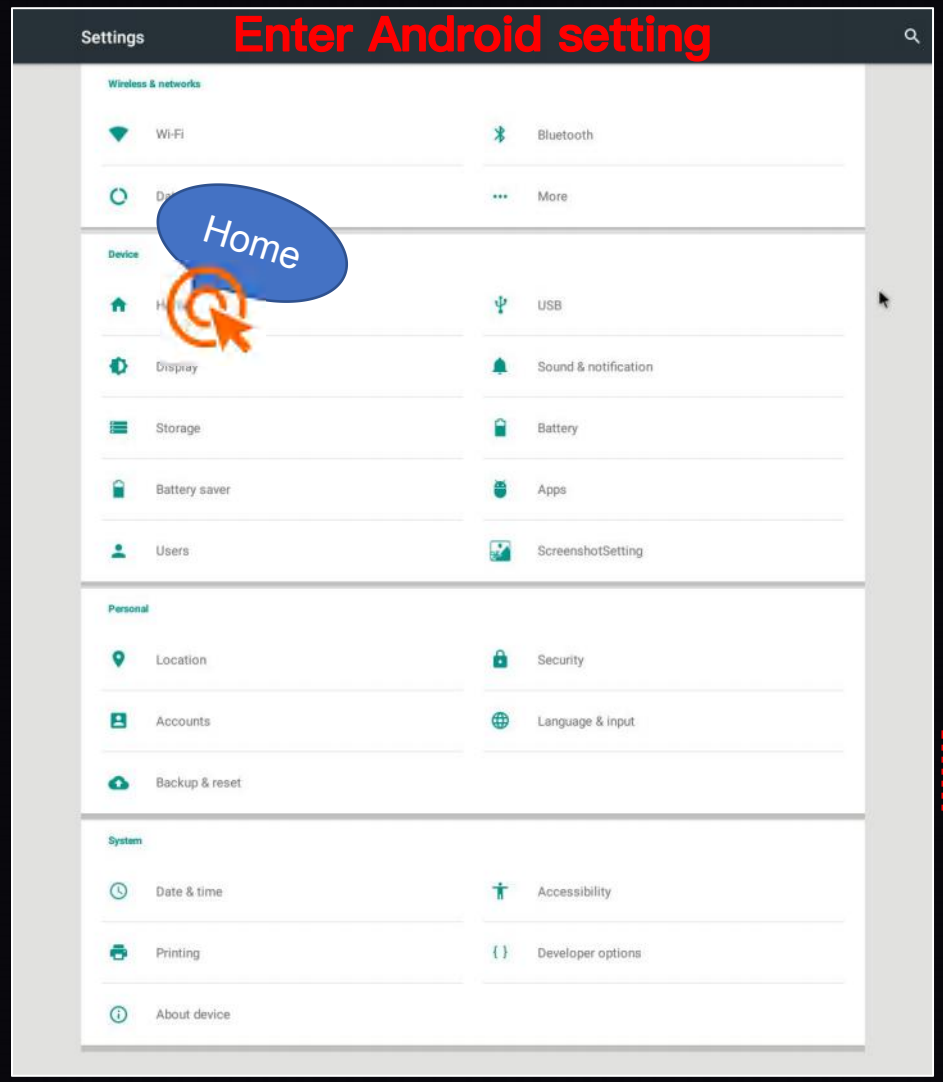


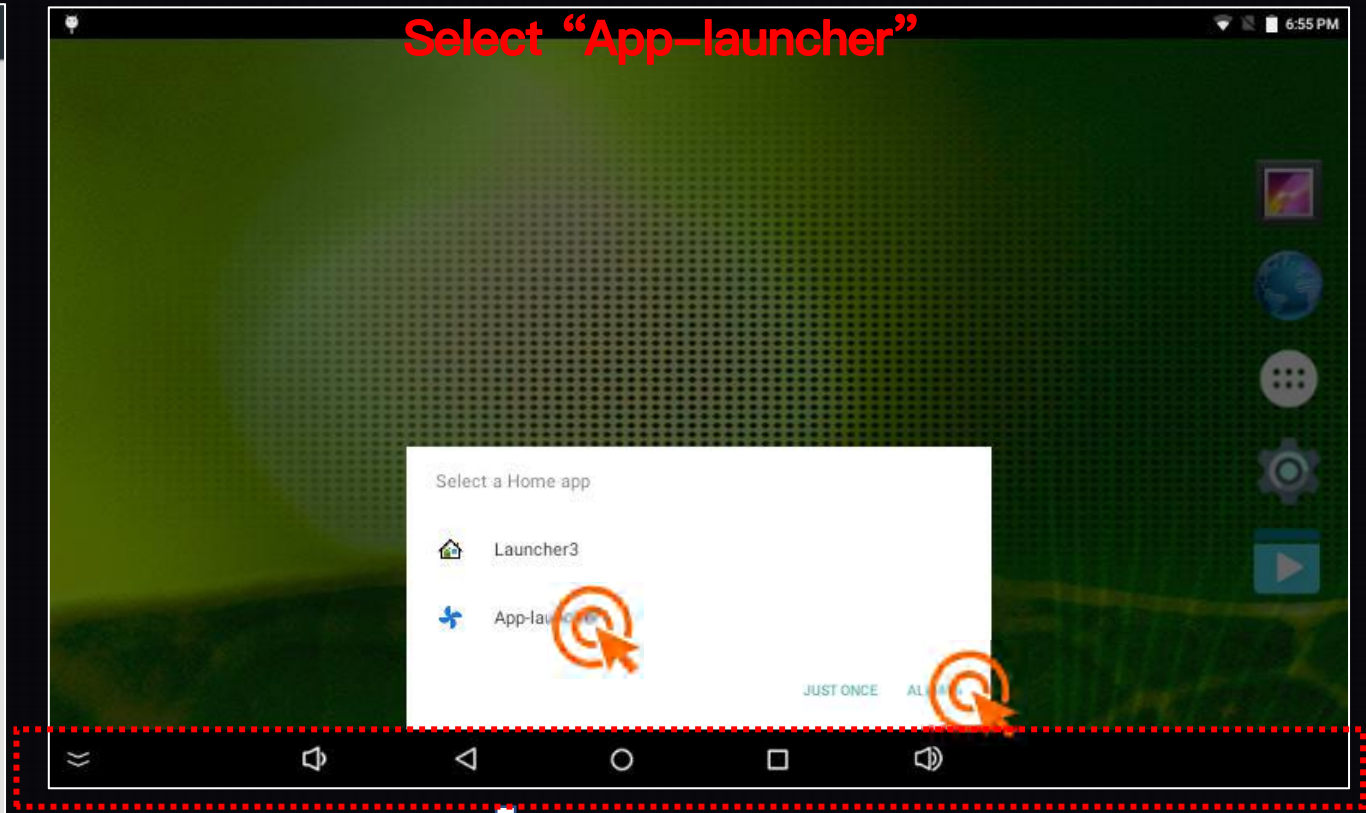
Part III: Machine basic settings

3.4 How to hide status bar (from machine)

How to hide status bar?

https://www.youtube.com/watch?v=aNeQR_ClyHA





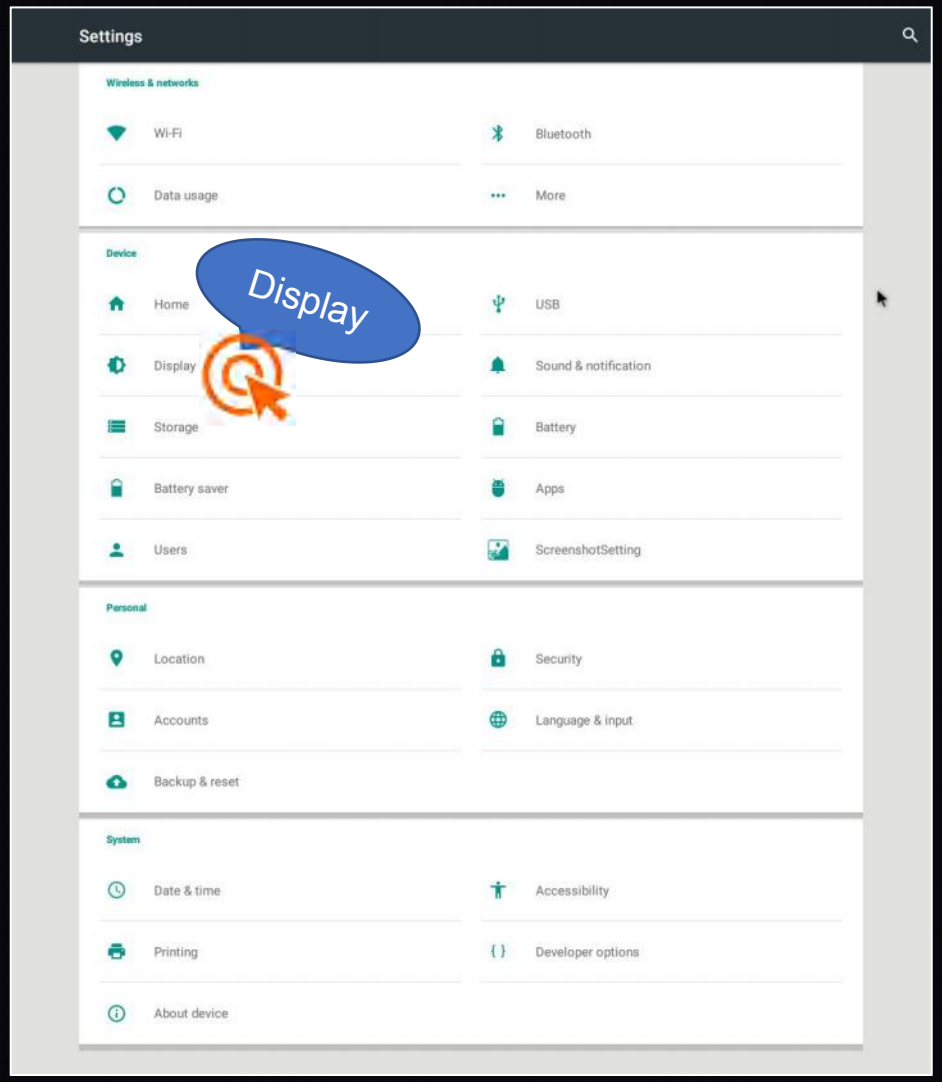
Before hide the Status Bar, please Select "App-launcher", so that it can go back Vending App from other page in 90s automatically.

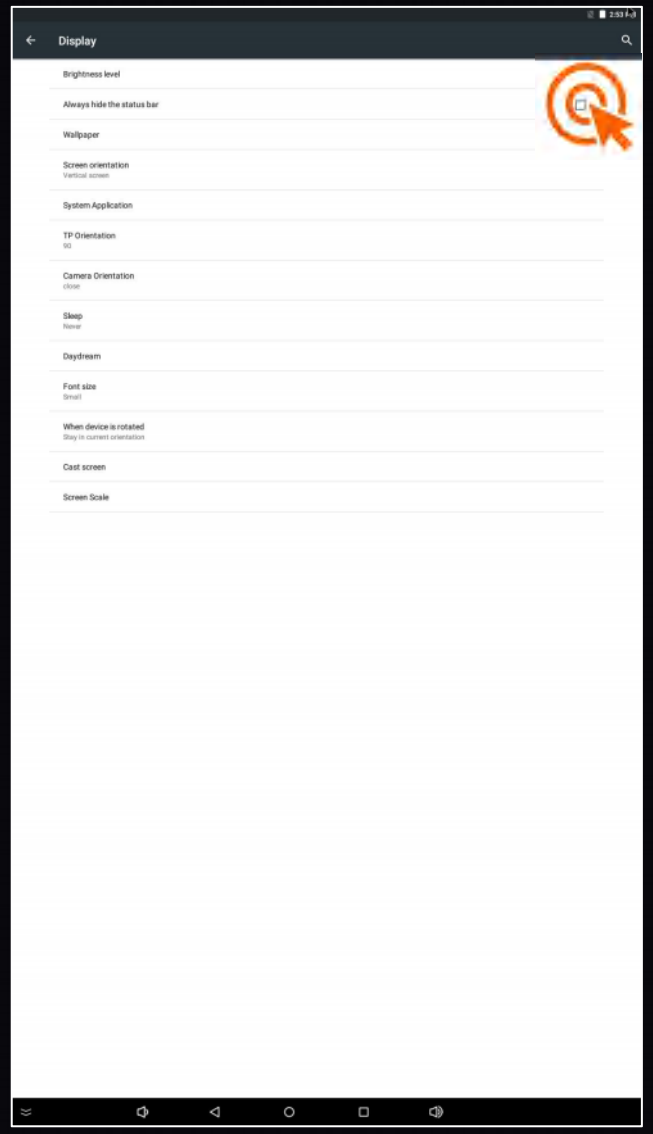
Part III: Machine basic settings

3.4 How to hide status bar (from machine)

How to hide status bar?

https://www.youtube.com/watch?v=aNeQR_ClyHA





Always hide the status bar

After finished setting, please tick this box to "always hide the status bar" avoid confusion to the users

Part III: Machine basic settings

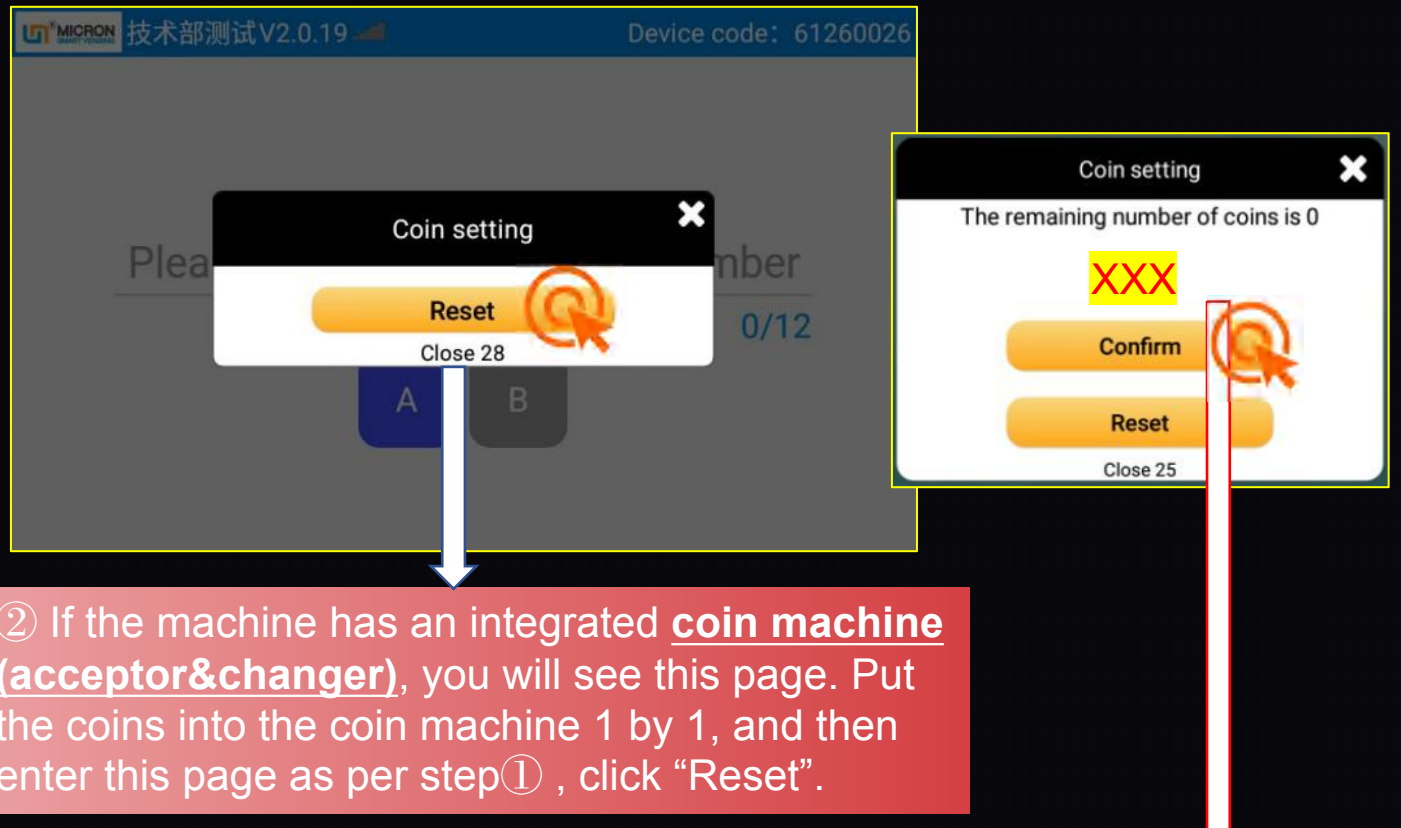
3.5 How to save coins to the coin machine (from machine)

How to save coins?

www.youtube.com/watch?v=_q5EBCHGN5c

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

① Enter the passwork “112233550066” from the keypad, then it will switch from buying page to the coin setting mode.



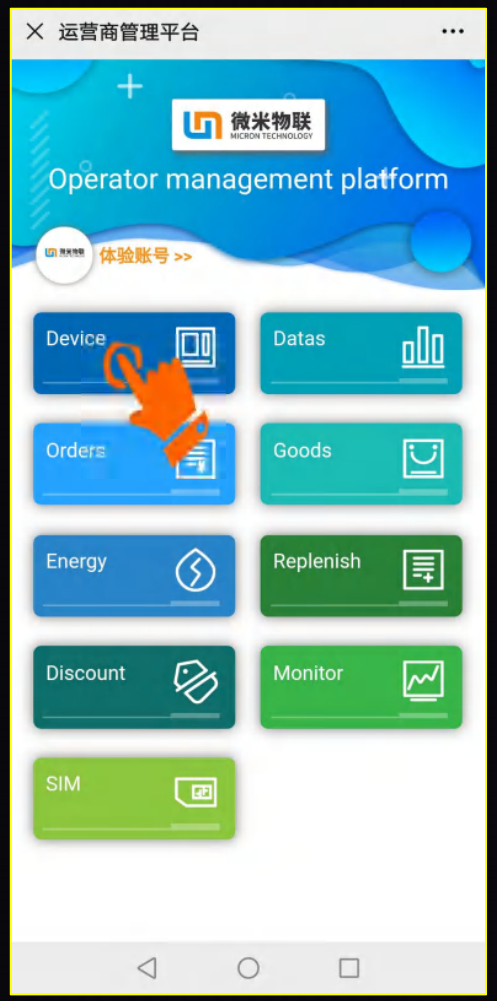
② If the machine has an integrated **coin machine (acceptor&changer)**, you will see this page. Put the coins into the coin machine 1 by 1, and then enter this page as per step① , click “Reset”.

② If the machine has **coin changer** only, you shall put the coins into the coin changer, and then enter this page as per step①, input the number (not amount) of coins, and Confirm.

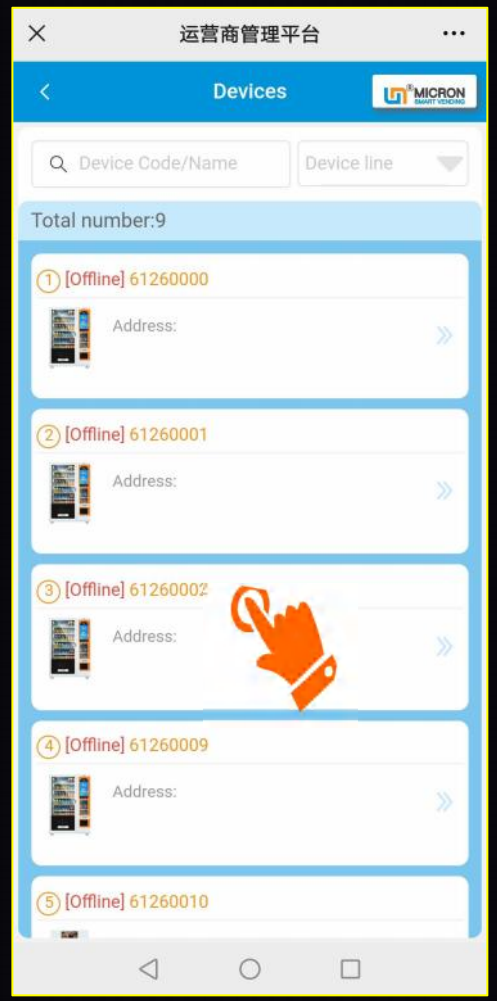
Part III: Machine basic settings

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

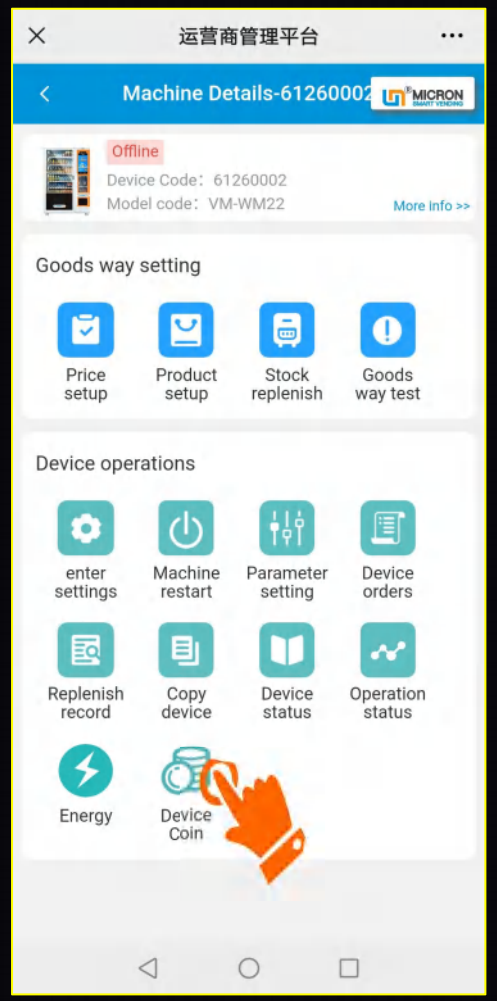
Click “Device”



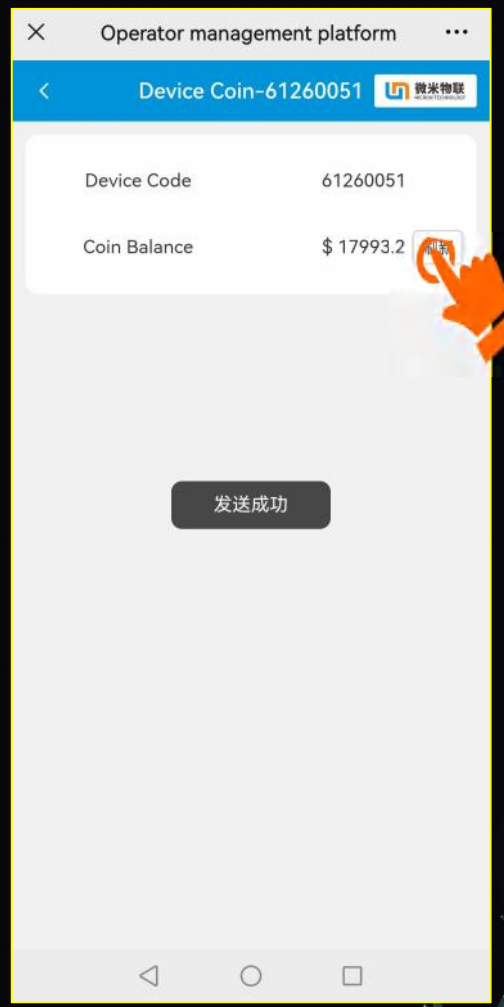
Choose the machine



Click “Device coin”



Click “Refresh”



Part III: Machine basic settings

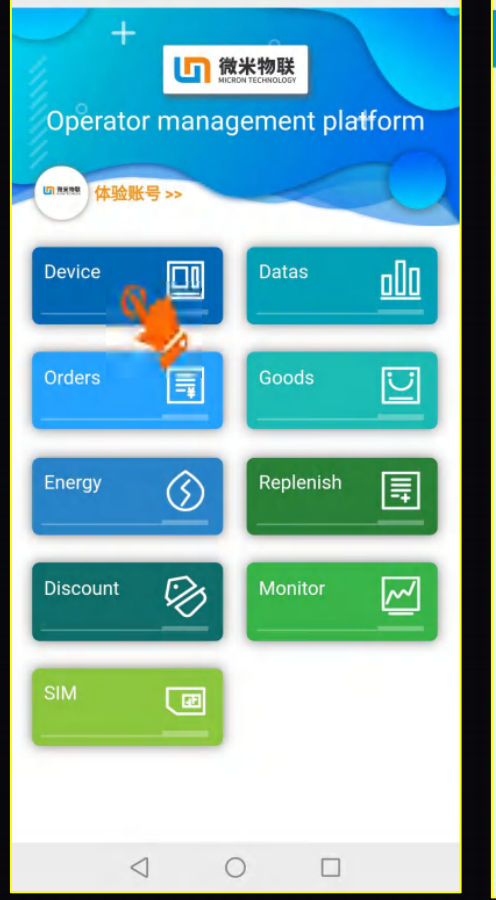
3.7 How to amend the Capacity of the goods trays

Smart phone system

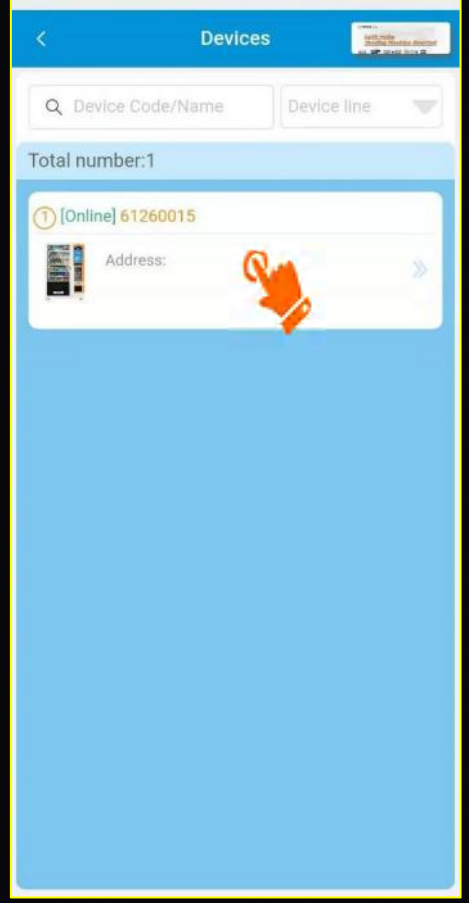
Login Smart system with phone

https://moperator.tech.weimi24.com

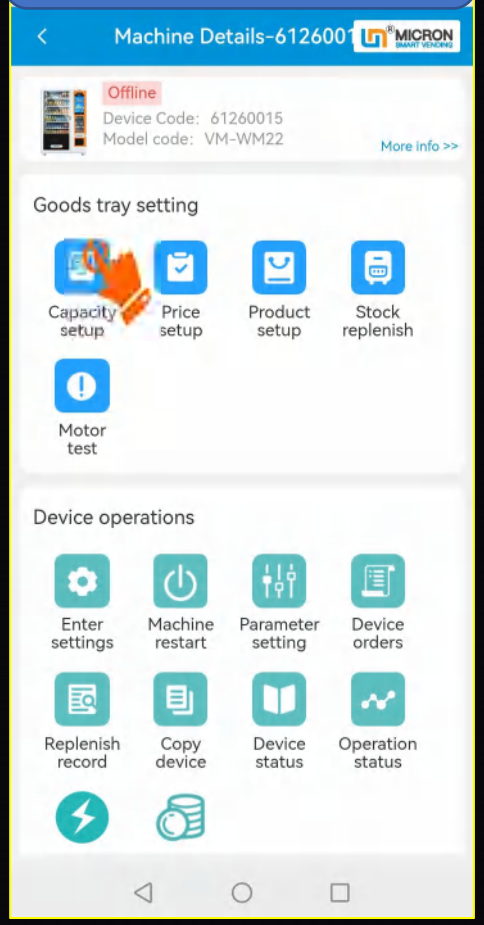
Click Device



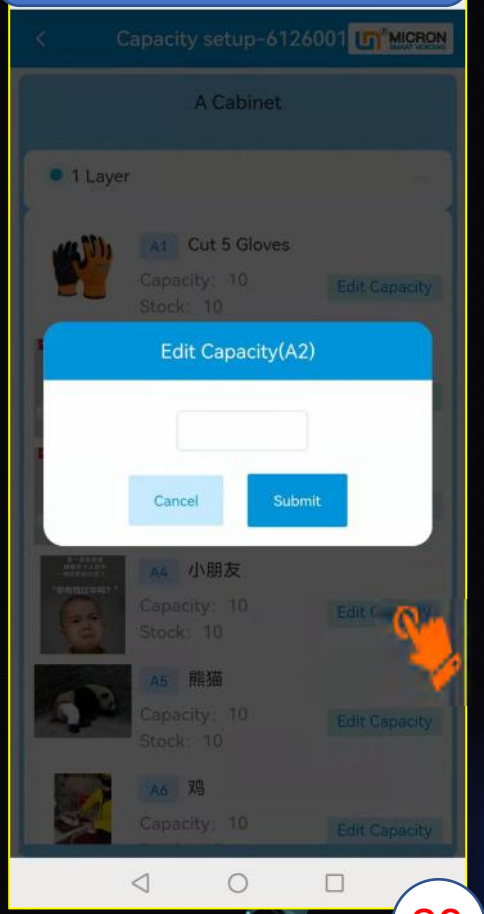
Select machine



Capacity setting



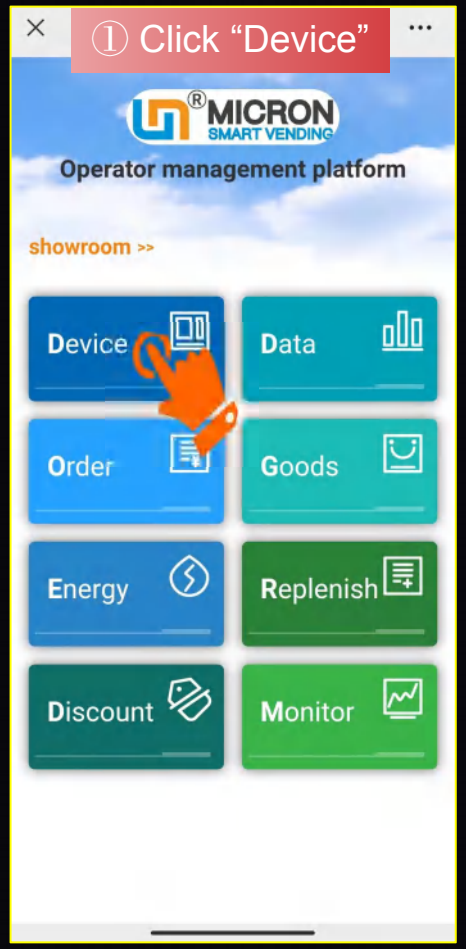
Edit capacity

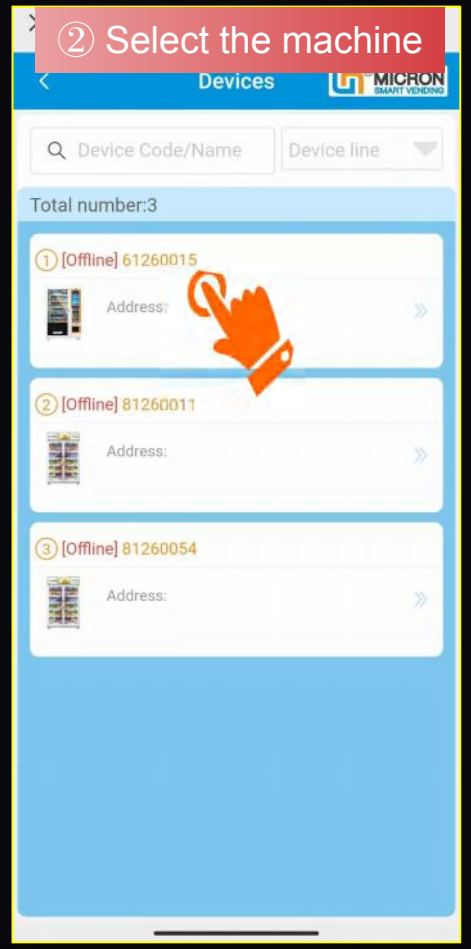


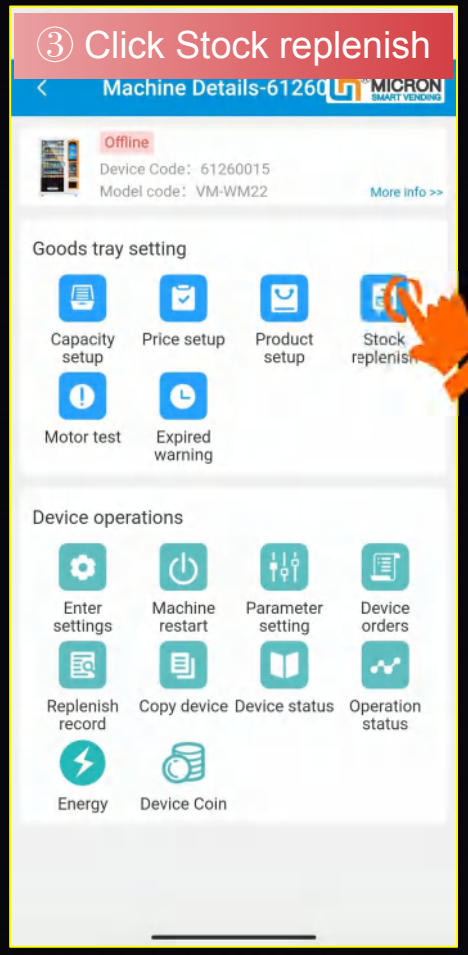
Part III: Machine basic settings

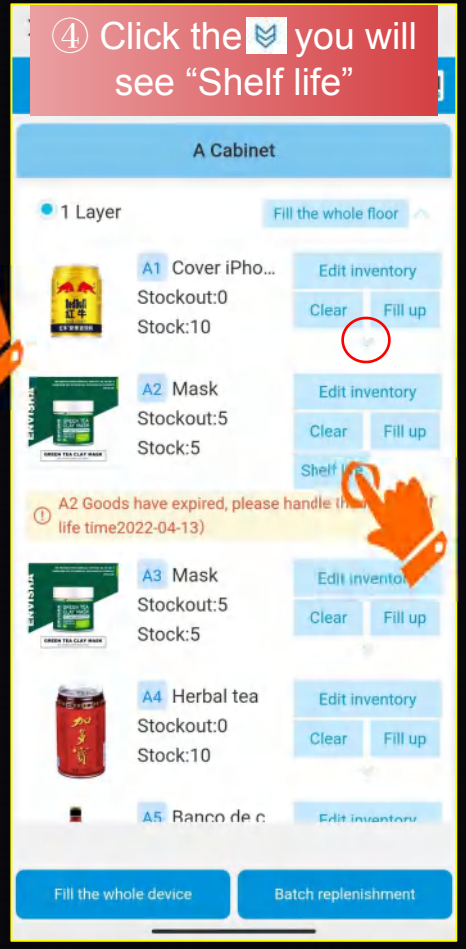
3.8 How to set product shelf life date (Expiration) & warning (from mobile)

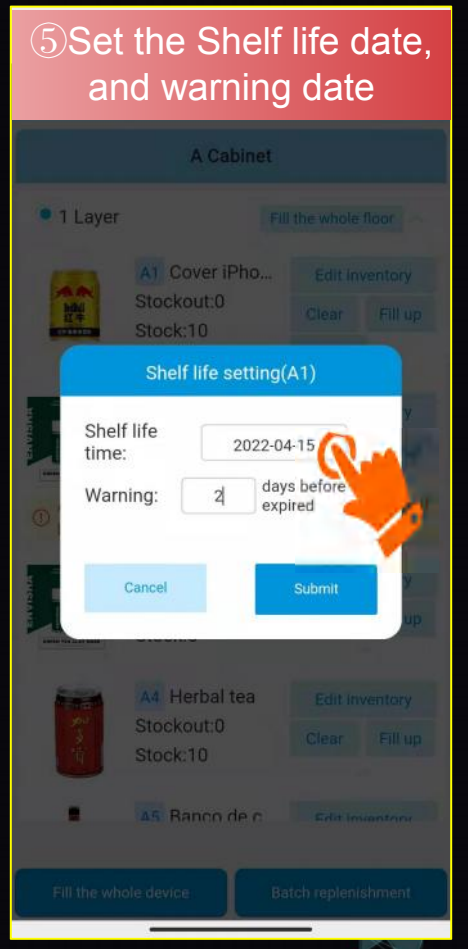
For those items (such as food) which shall be sold before a specific date, you can set the shelf life dates for the products when you put them to the shelf, and set warnings a few days before they expired.







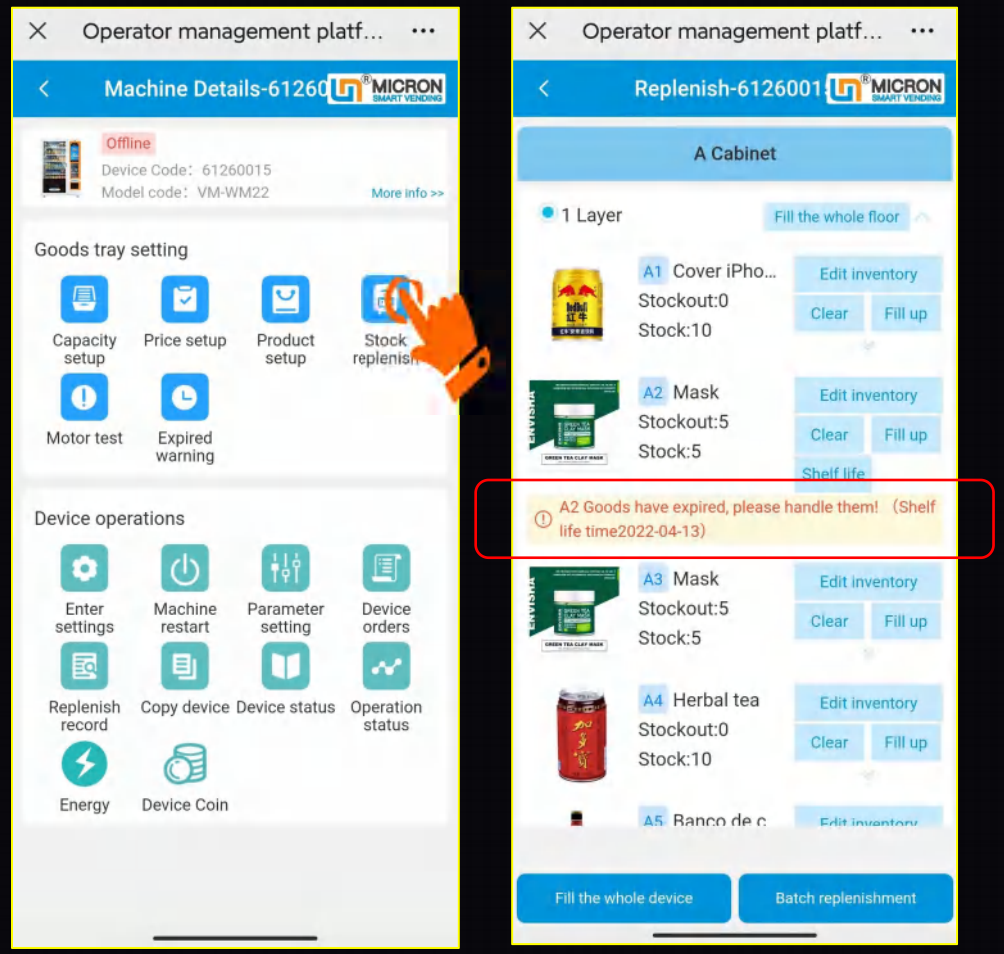


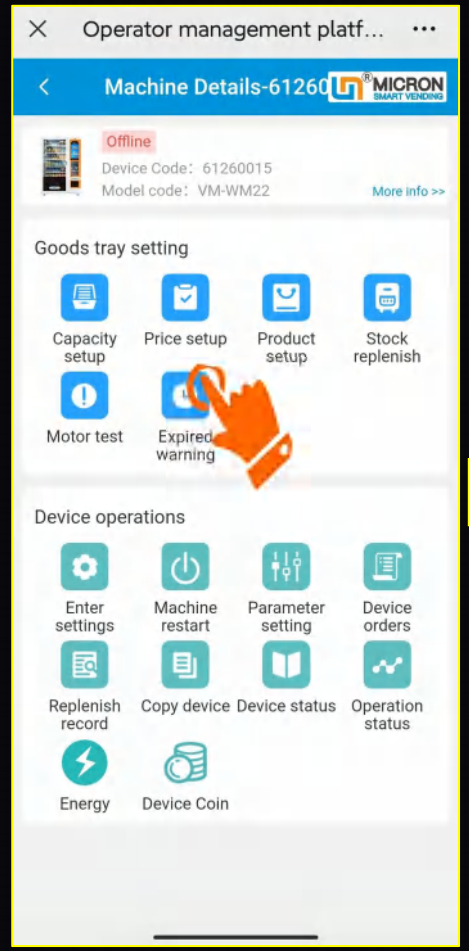


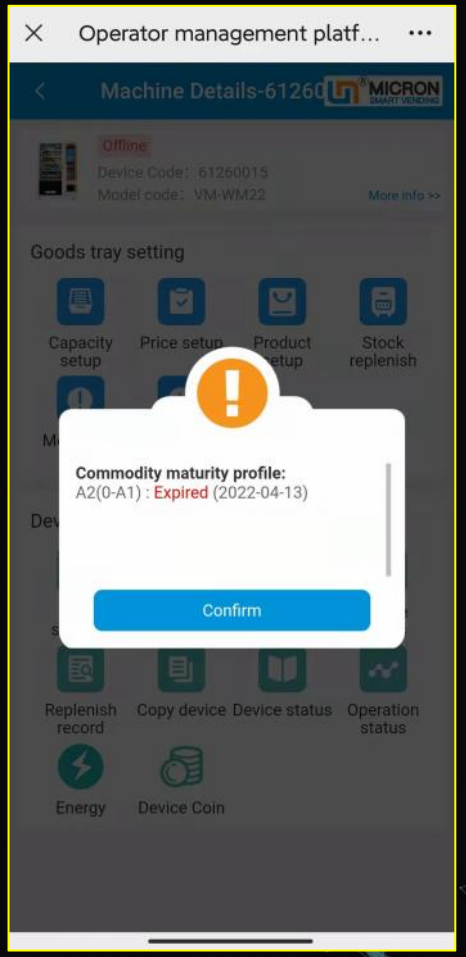
Part III: Machine basic settings

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

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







Part IV: Features dictionary

4.1 How to upload advertisement (PC system)

How to upload advertisements?

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

Login the system from your computer by User name/Password

PC Smart system

Login Smart system with Computer：

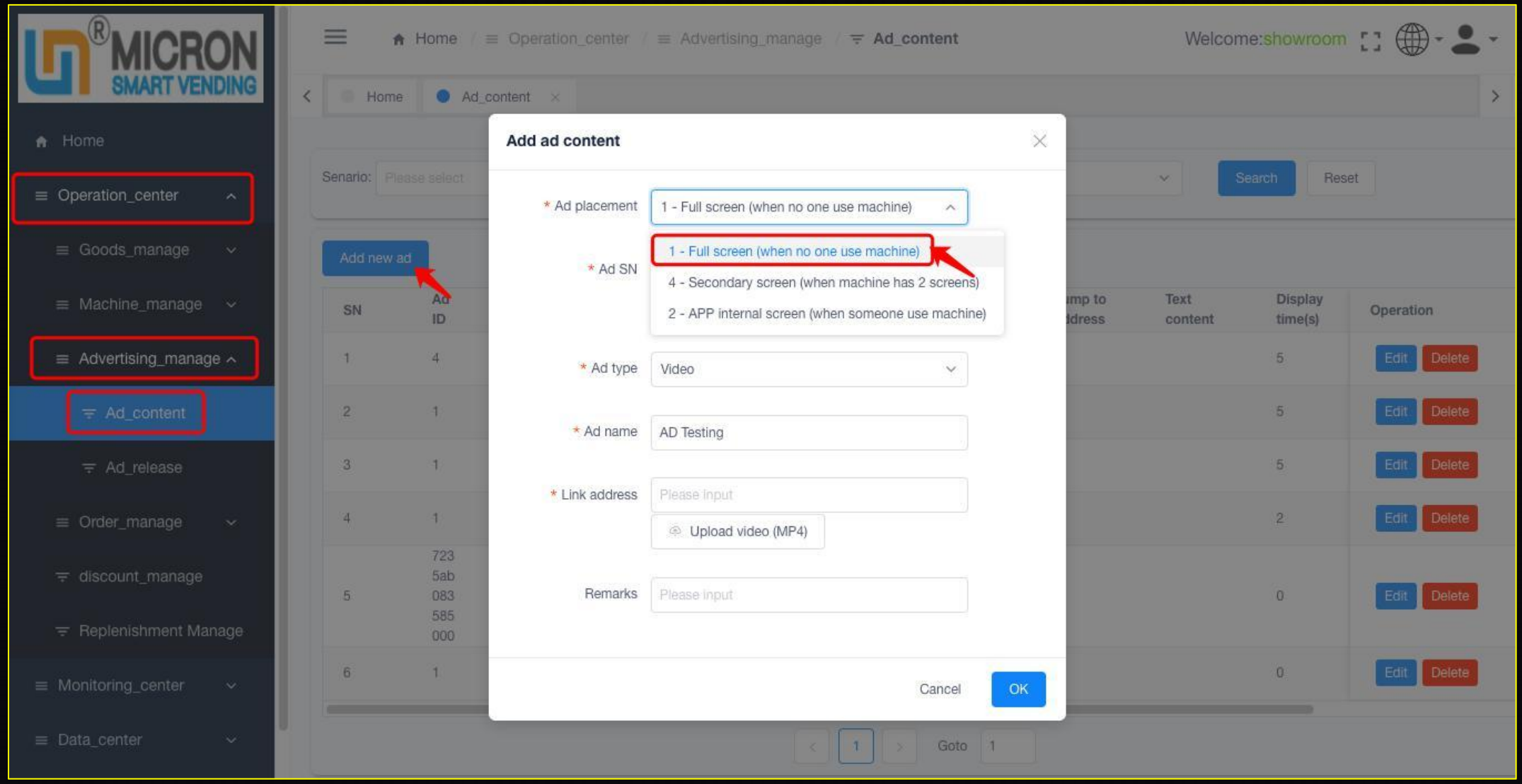
https://operator.tech.weimi24.com

Part IV: Features dictionary

4.1 How to upload advertisement (PC system)

How to upload advertisements?

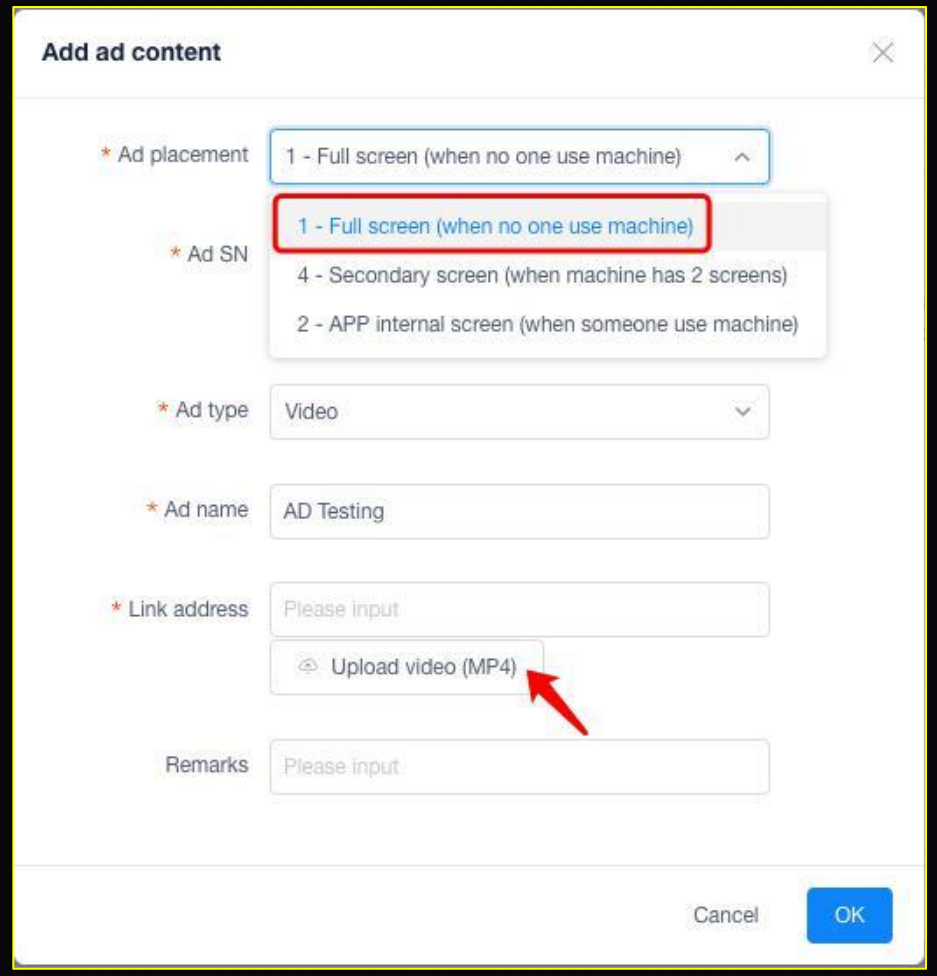
https://www.youtube.com/watch?v=BNJ49G07CmY



Part IV: Features dictionary

4.1 How to upload advertisement (PC system)

Fill Ad information
Upload advertisement to the system



Uploaded advertisement should be:

※ Video (<20M/video)

※ Photo(<2M/photo)

※ Words

For the machine with 5” screen,

Advertisement can be only

※ Full screen (when no body buying)

※ The uploaded Ads can be released to all machines under the user name.

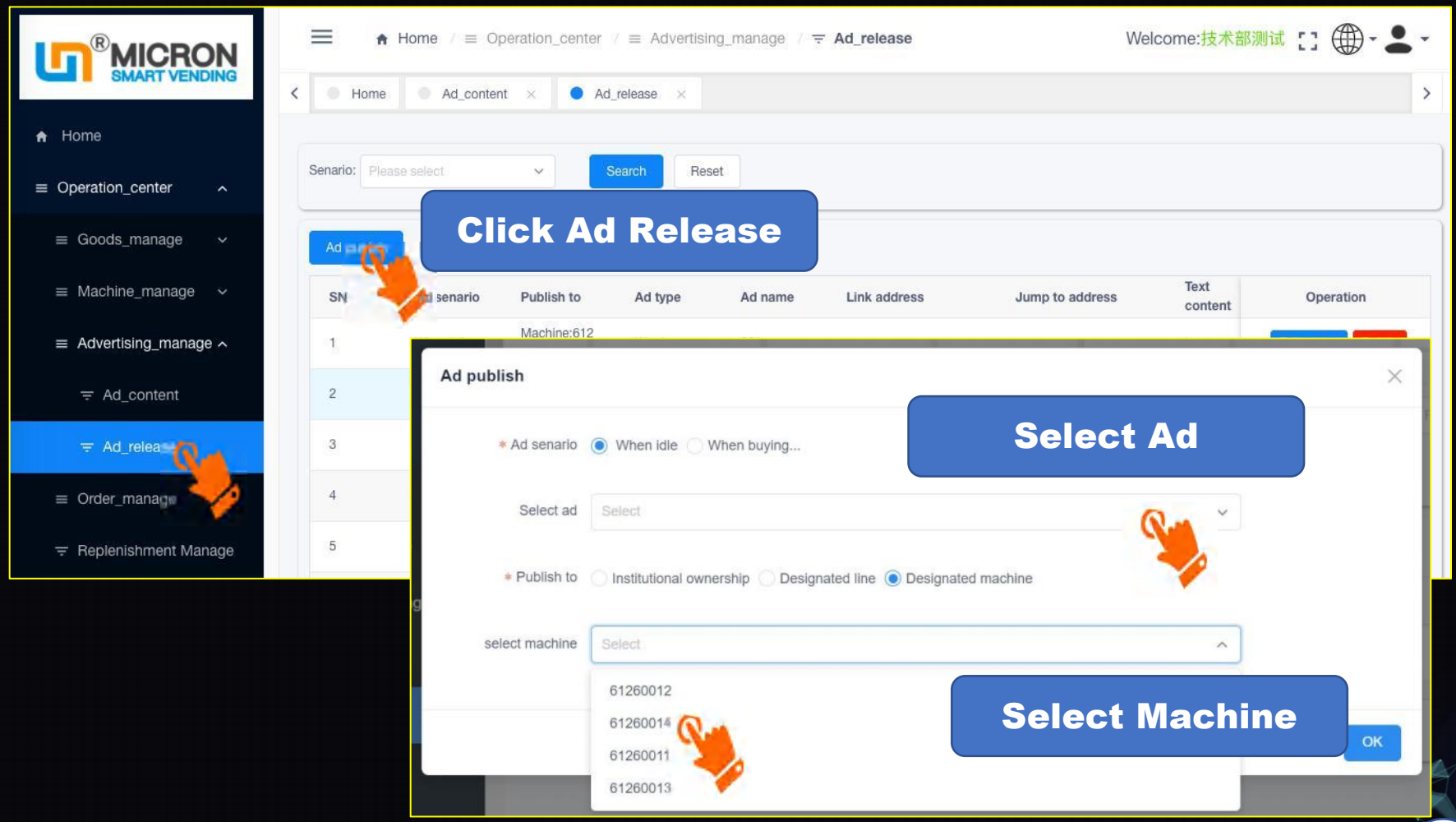
Part IV: Features dictionary

4.1 How to upload advertisement (PC system)

Machine Ad set up

※ 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.



Part IV: Features dictionary

4.1 How to upload advertisement (PC system)

Playing Ads

Press any key
on the keypad

Buying page

Part IV: Features dictionary

4.2 How to upload LOGO/ Service Tel. to the machine/ server

Upload logo and service tel

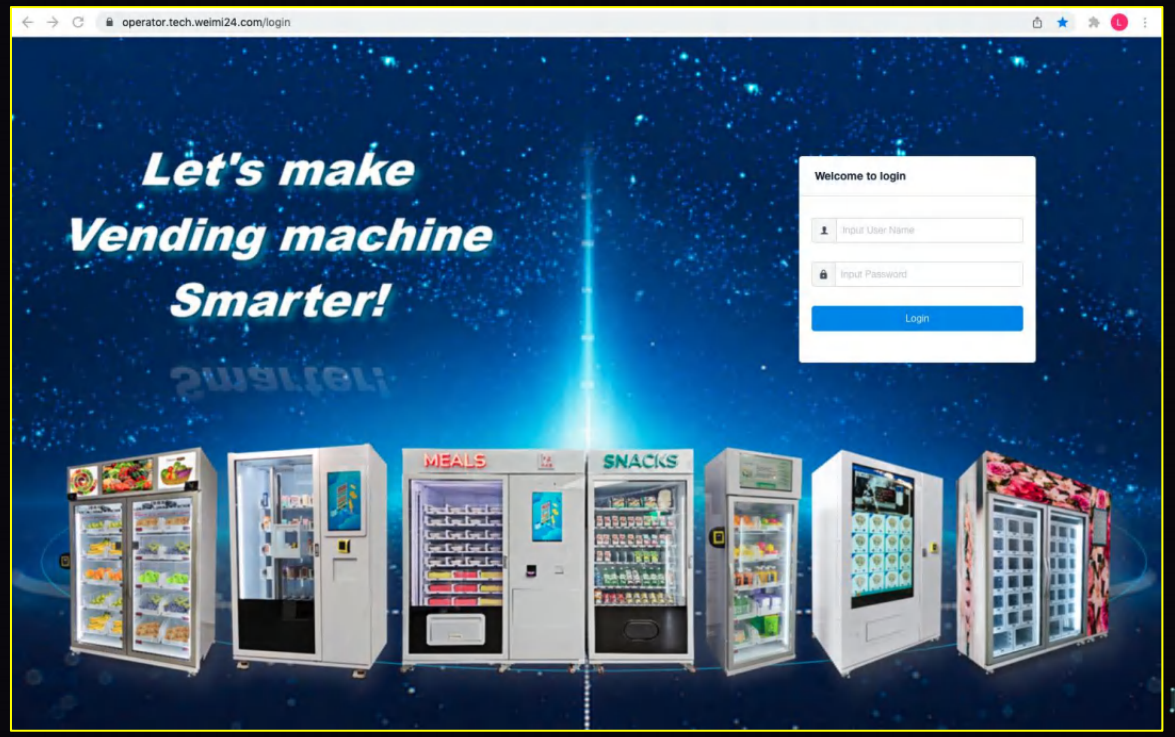
www.youtube.com/watch?v=W6jyQSCwHqI&list=PLybk6qby1fLV4A5jbd9gYs5VI9DjXMCMy&index=8

PC Smart system

Input User name and password

Login Smart system with Computer：

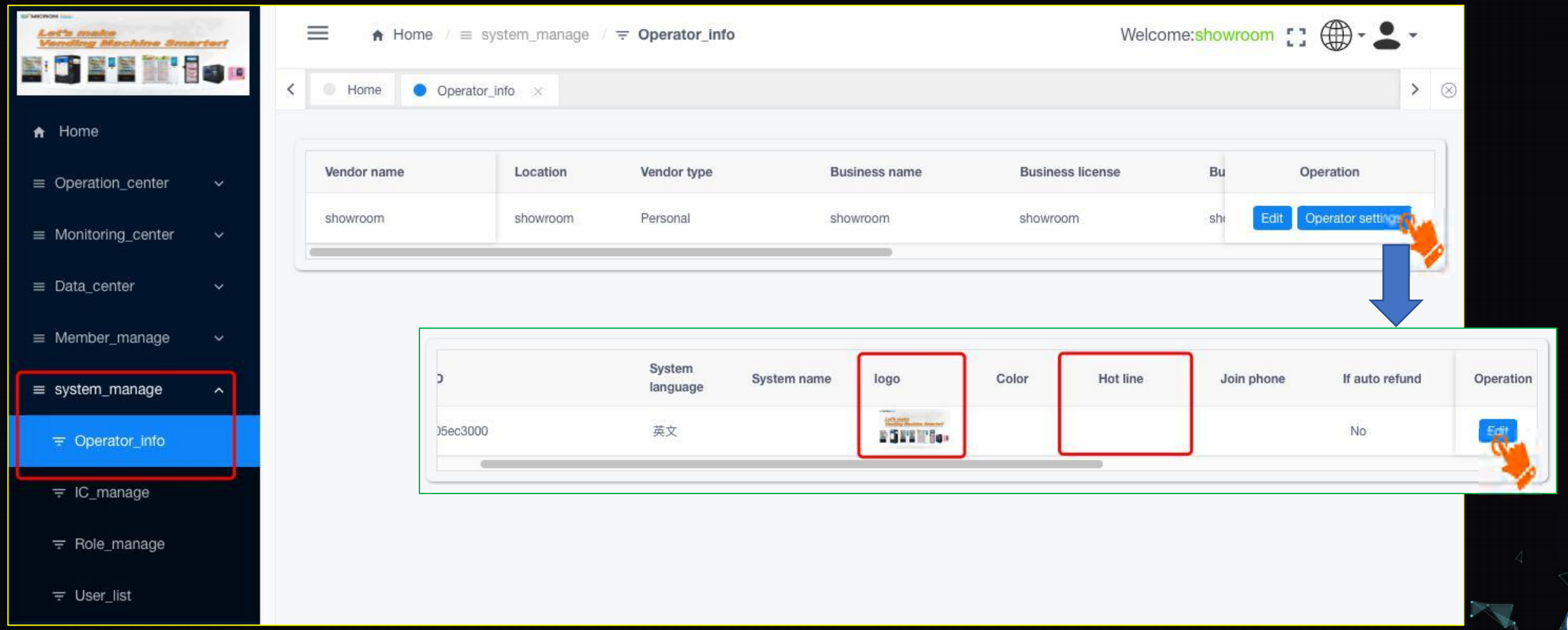
https://operator.tech.weimi24.com



Part IV: Features dictionary

4.2 How to upload LOGO/ Service Tel. to the machine/ server

Upload logo image and input service tel



Part IV: Features dictionary

4.2 How to upload LOGO/ Service Tel. to the machine/ server

You can change below logo to yours.

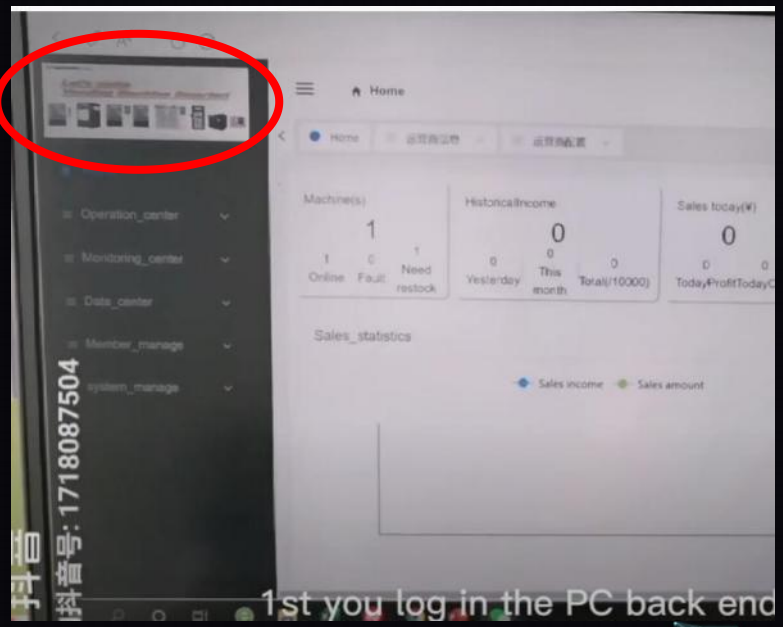
Upload logo and service Tel. No.

www.youtube.com/watch?v=W6jyQSCwHqI&list=PLybk6qby1fLV4A5jbd9gYs5VI9DjXMCMy&index=8

Logo on machine screen left top

Logo at mobile server

Logo at PC server



Part IV: Features dictionary

4.3 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...

In this case, you can easily manage all the machines (especially when you have many machines), to avoid any confusion by just checking the device numbers.

Login the system from your computer by User name/Password

Part IV: Features dictionary

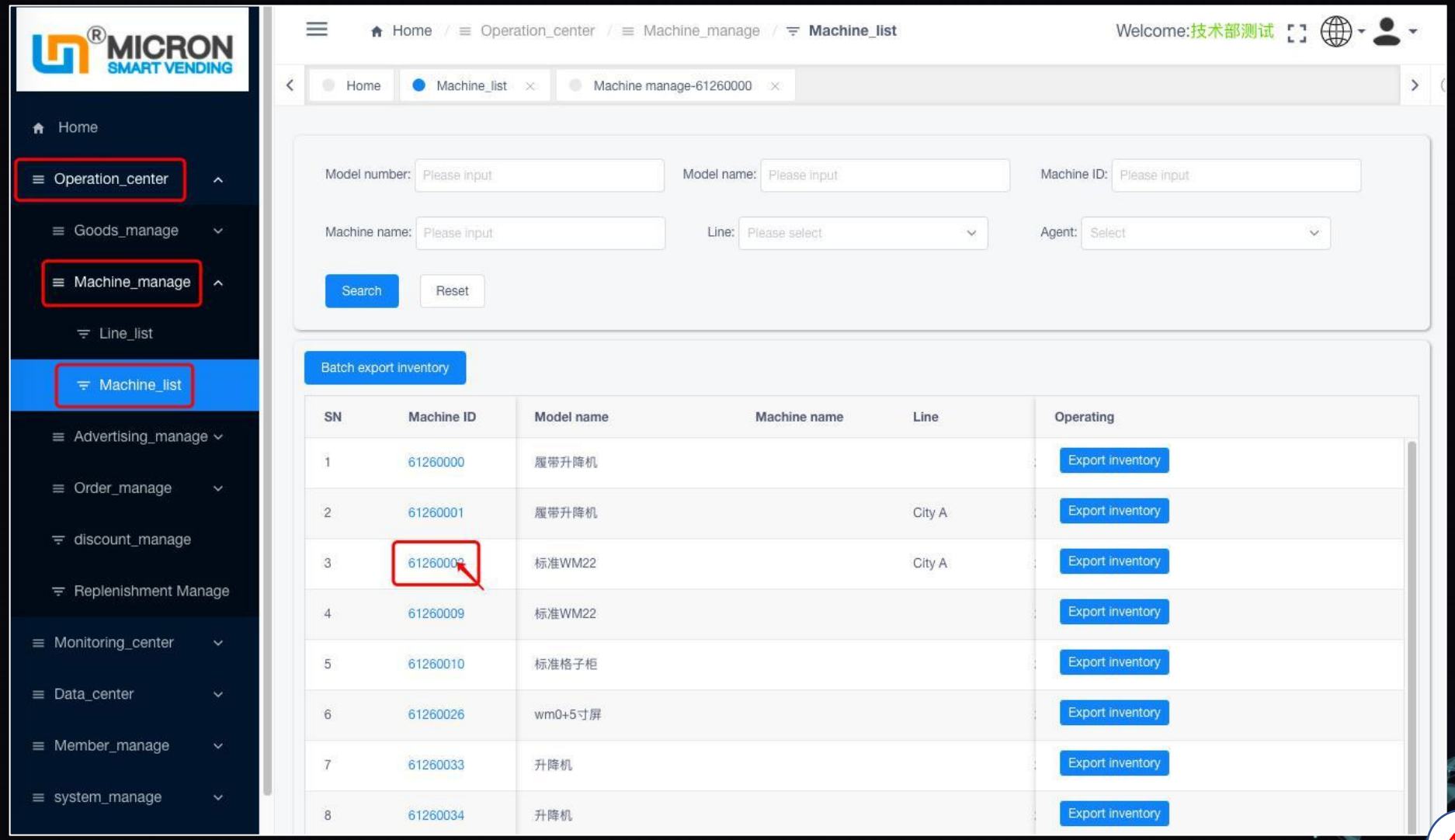
4.3 How to edit machine info. (PC system)

※ PC System

Operation center ---> Machine manage ---> Machine list

You will see all the machines under your account.

Choose the machine that you need to edit from the list by its Machine ID.



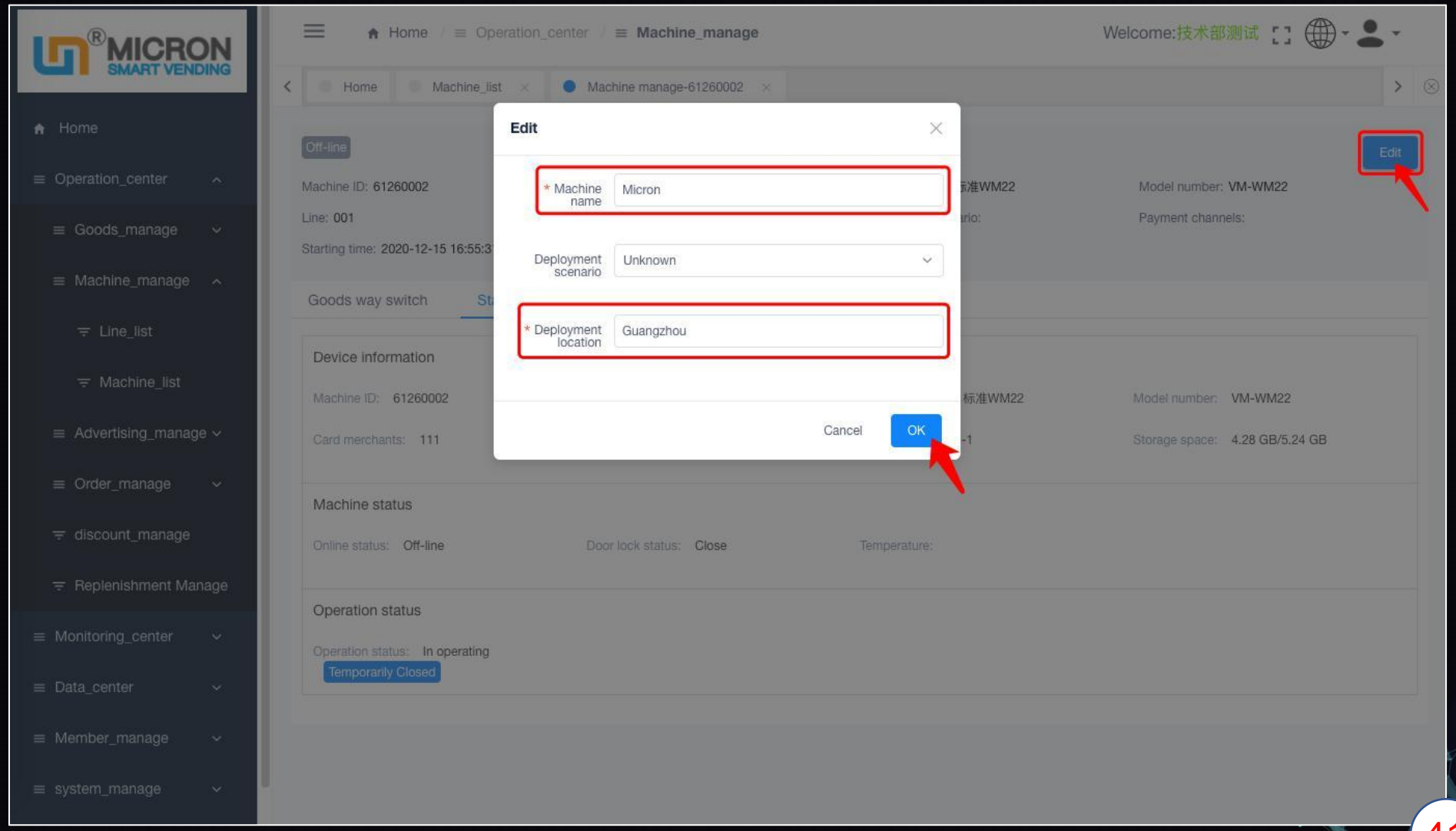
Part IV: Features dictionary

4.3 How to edit machine info. (PC system)

※ **PC System**

Choose the machine that you need to edit from the list by its Machine ID.

Click “Edit”, and fill in the Machine name, and Deployment location.



Part IV: Features dictionary

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

For example: if you are an **Operator**, you have 20 machines, you want to create sub-accounts for 2 re-fillers, each of them manages 10 machines:

※ 1. Create lines

①Line A, bind 10 machines;

②Line B, bind 10 machines;

※ 2. Create Role

Role name: Re-filler;

Role description:

Role Permission: select from the list.

※ 3. Add new user

How to create sub-accounts?

https://www.youtube.com/watch?v=i8CJlfC1-GM

Login the system from your computer by User name/Password

https://operator.tech.weimi24.com

Part IV: Features dictionary

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

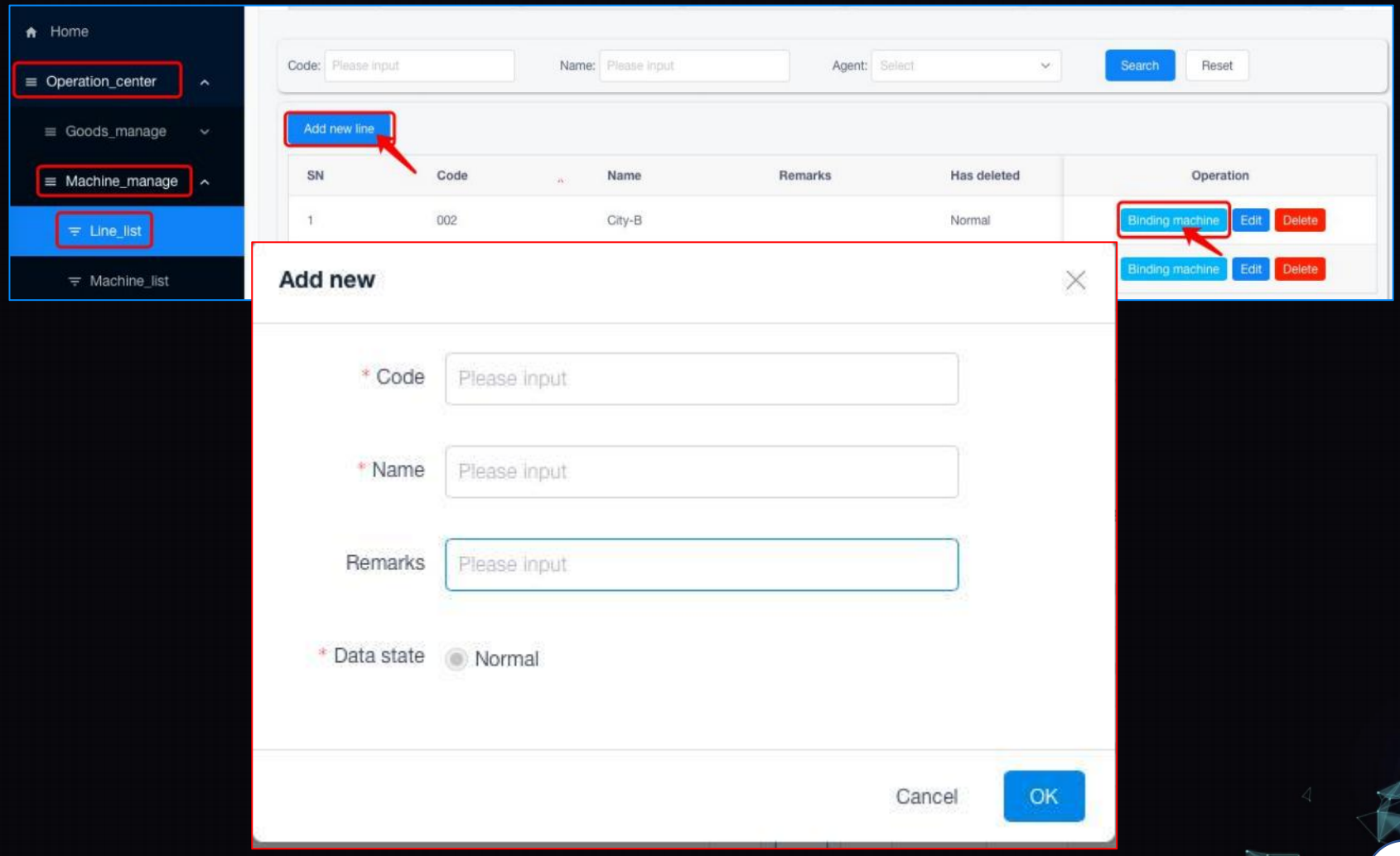
※ 1. Create lines

Operation center ---> Machine manage ---> Line list ---> Add new line ---> Binding machine

①Line A, bind 10 machines;

②Line B, bind 10 machines;

e.g. you can name the Lines with territories, such as City name/ District...and then bind the machines according to the machine deployed location.



Part IV: Features dictionary

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

※ 2. Create Role

System manage --->

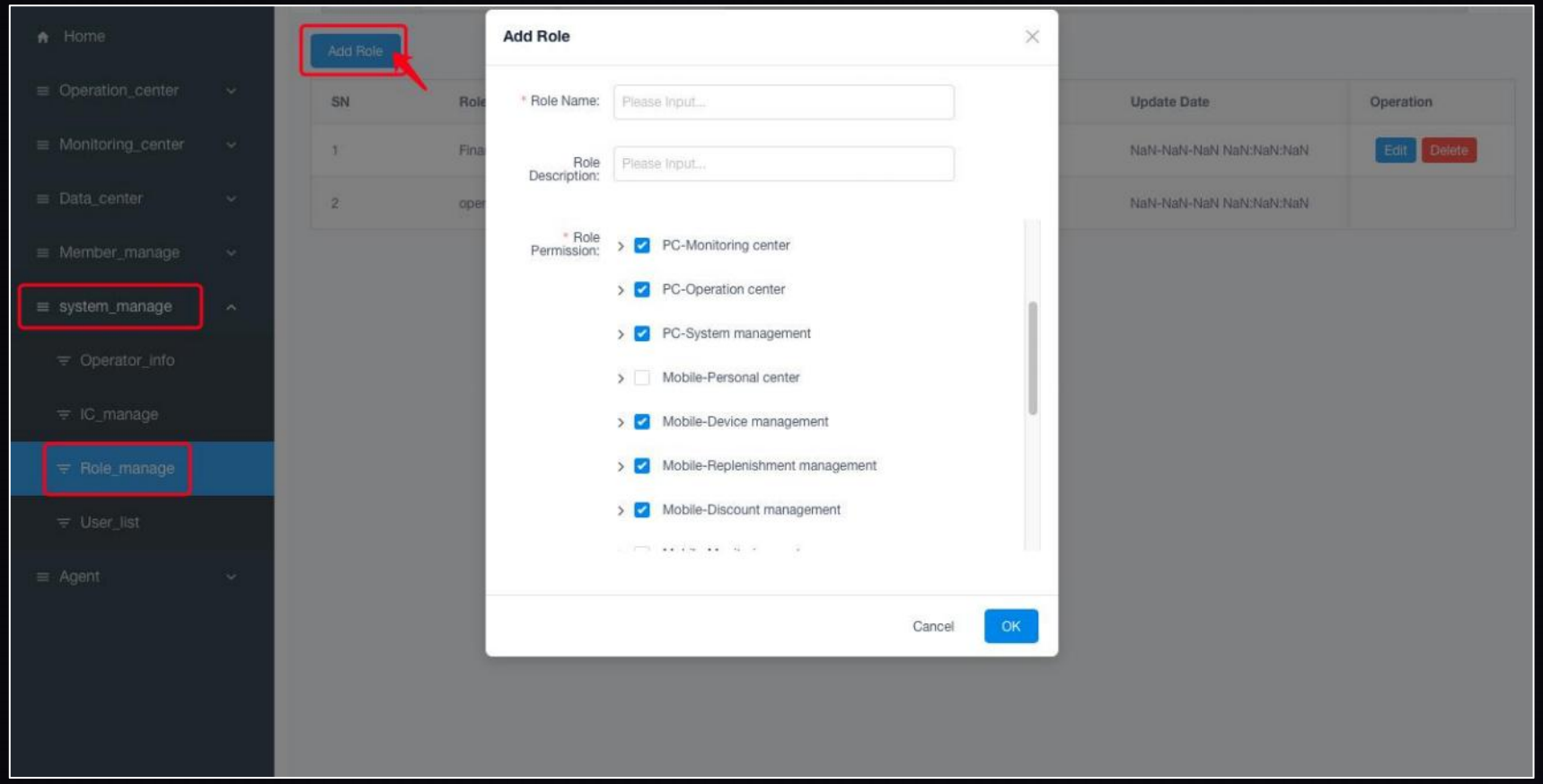
Role manage --->

Add Role

Role name: Re-filler;

Role description:

Role Permission: tick the boxes, to allow the Role to see the relevant modules when they log in their accounts.



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

Part IV: Features dictionary

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

※ 3. Add new user

System manage --->

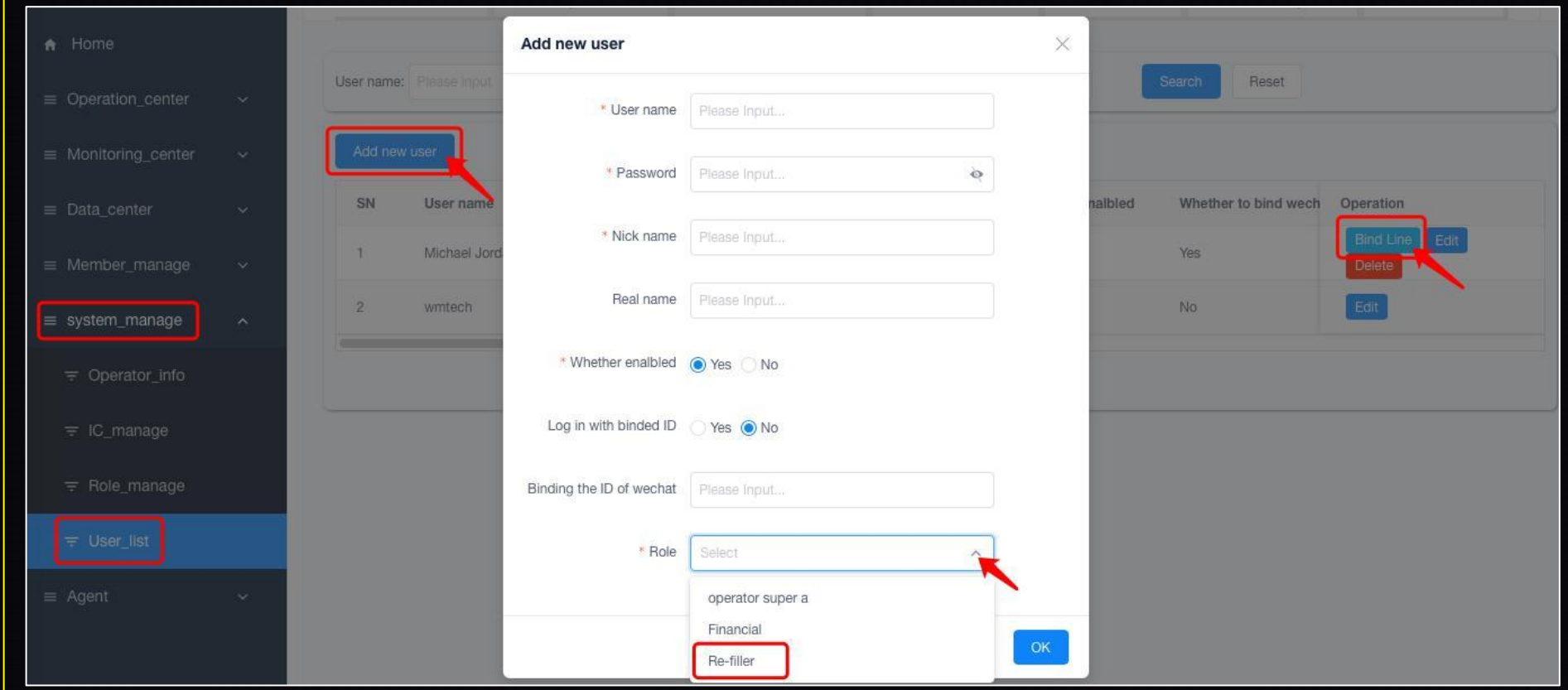
User list --->

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.



You can create sub-accounts for your employees, such as Financial team/ purchasing team, etc...

Part IV: Features dictionary

4.5 How to set sub account for your customers (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, 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

4.5 How to set sub account for your customers (PC system)

3 Steps as follow:

Agent --->

Agent management

※ 1. Add agent

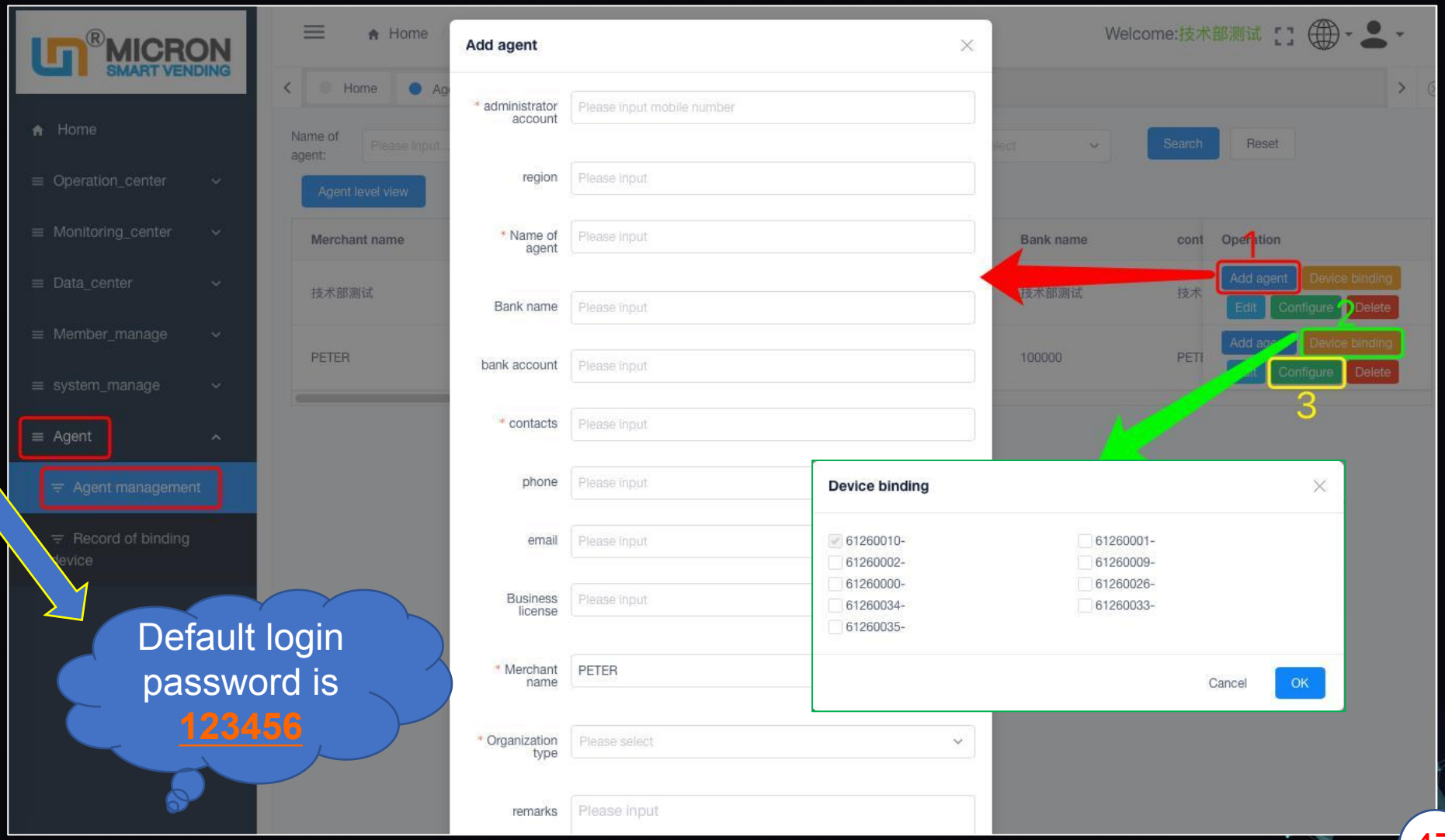
Under your account, you can create sub accounts for all your customers.

※ 2. Device binding

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

※ 3. Configure

Do some basic settings...



Part IV: Features dictionary

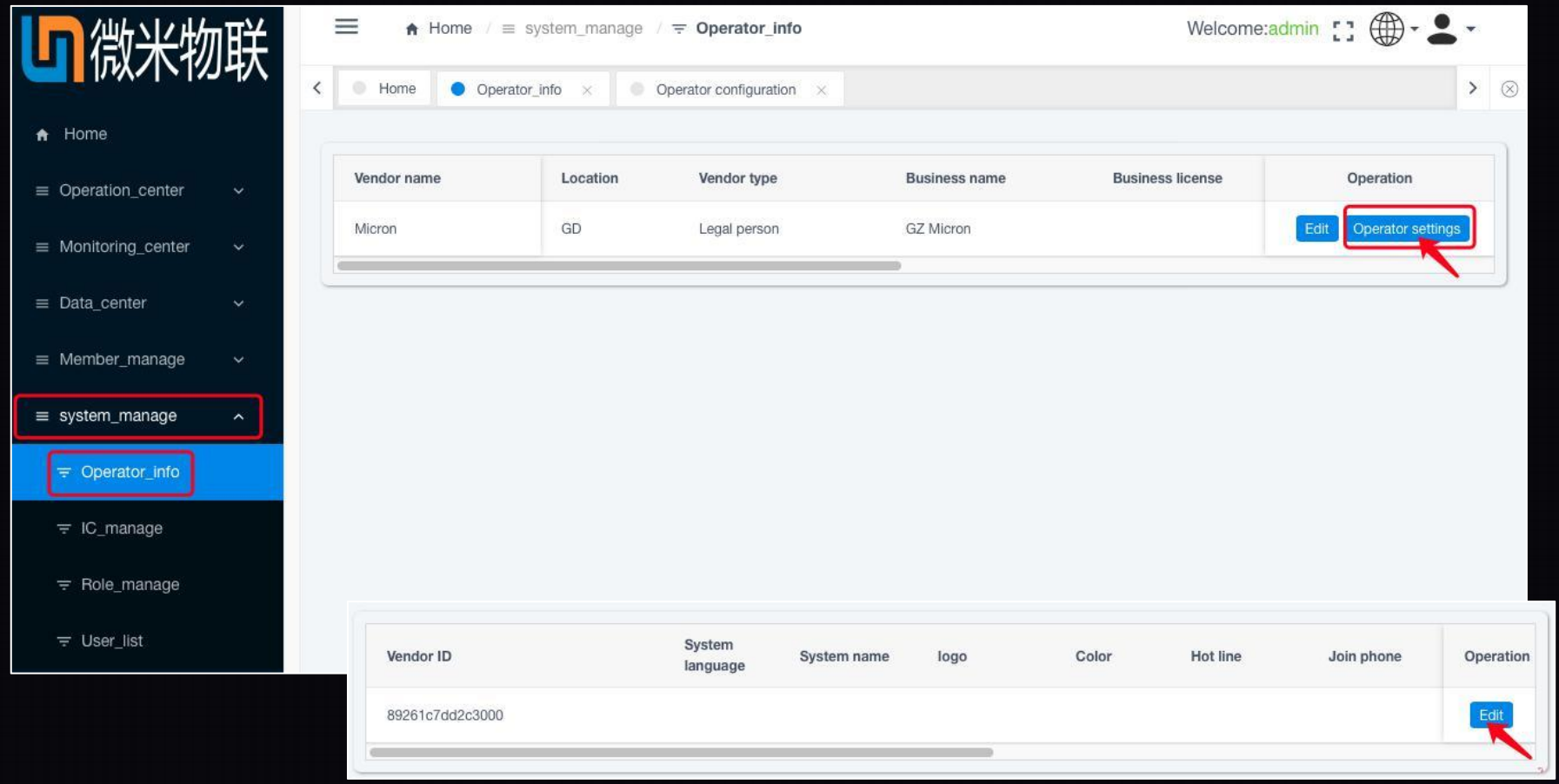
4.5 How to set sub account for your customers (PC system)

※ 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...



Part IV: Features dictionary

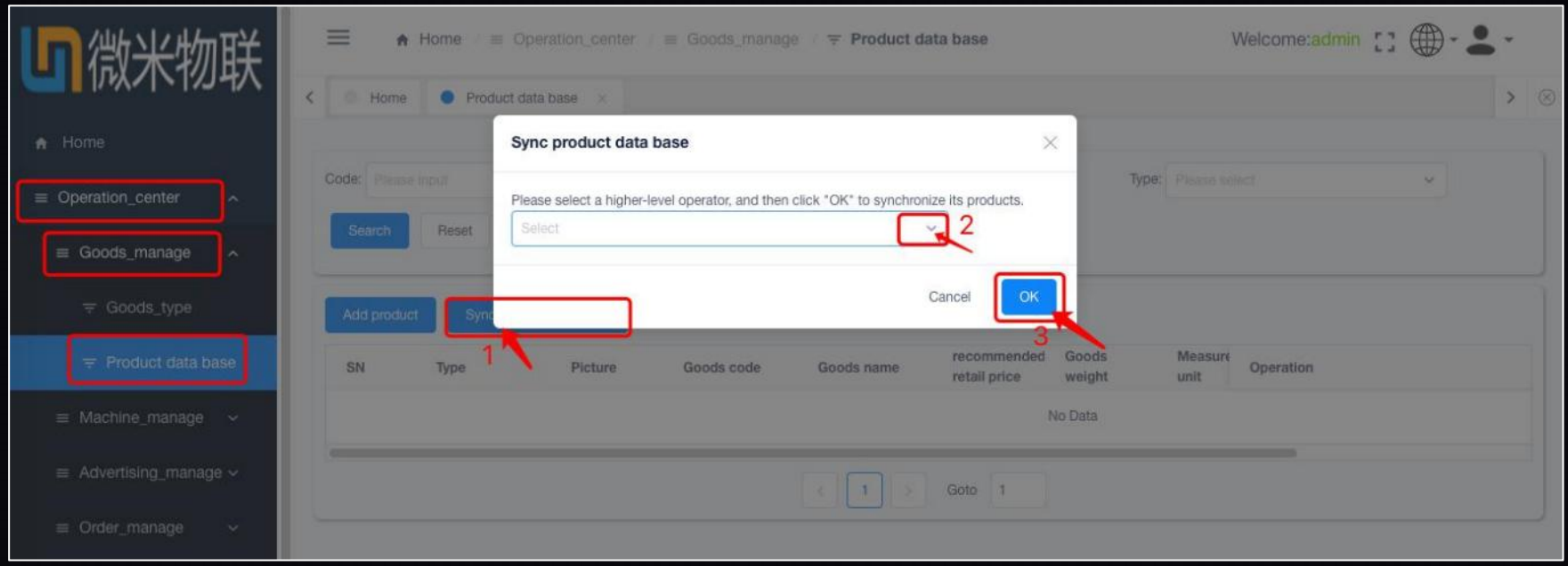
4.5 How to set sub account for your customers (PC system)

※ 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.

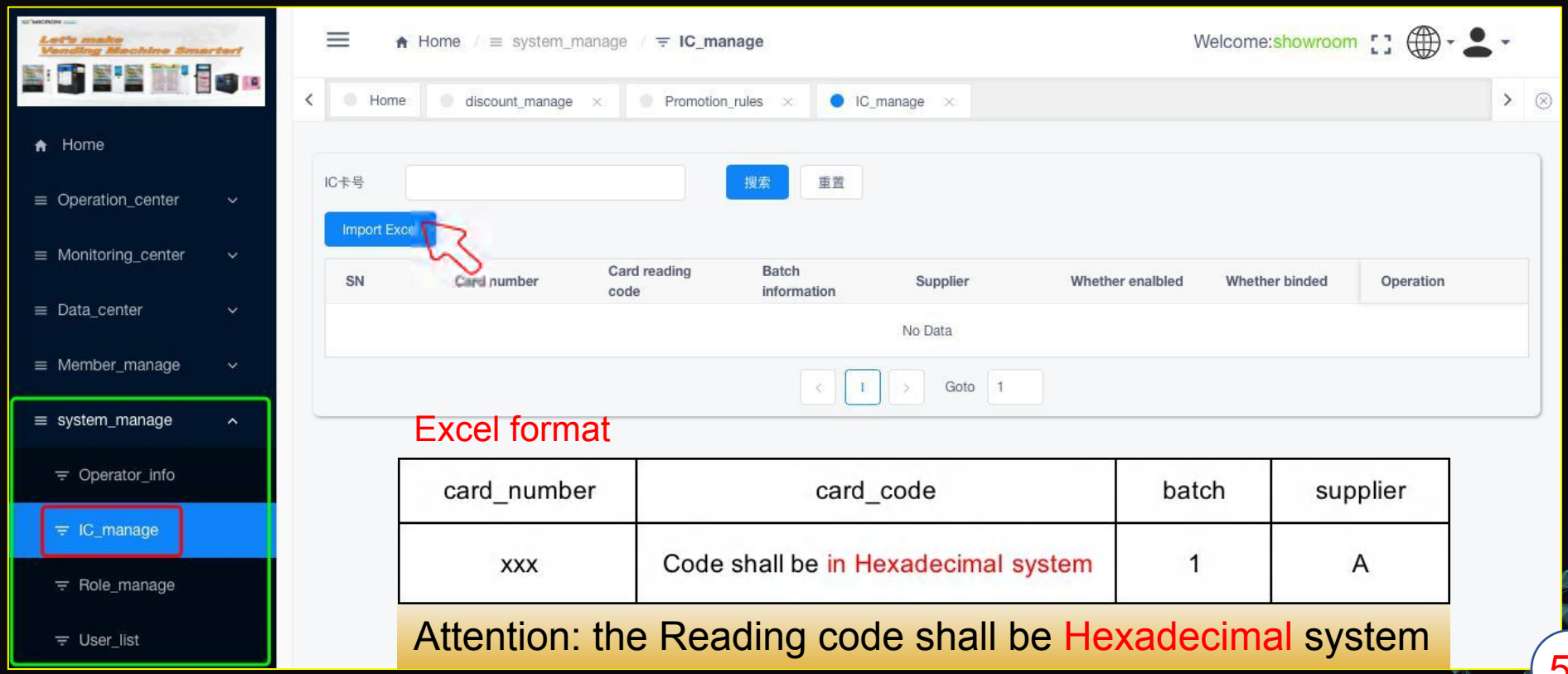
Part IV: Features dictionary

4.6 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 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



Excel format

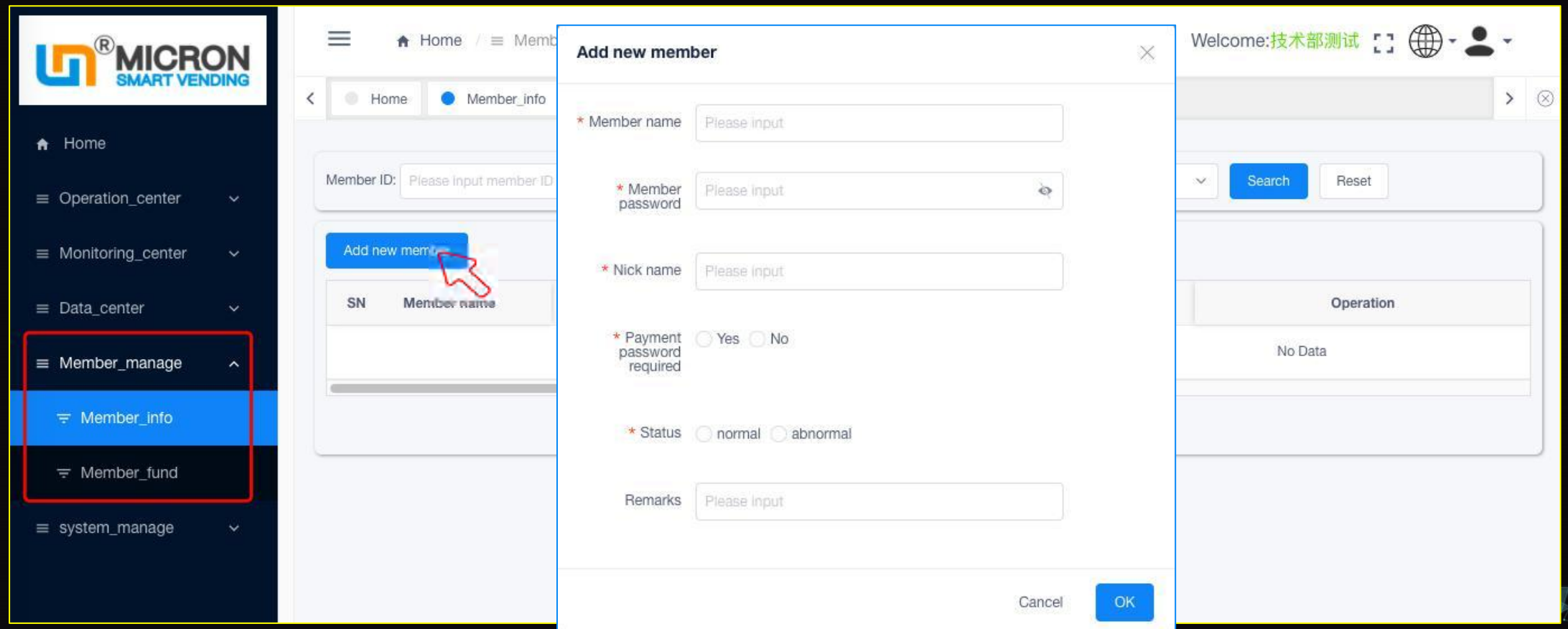
card_number	card_code	batch	supplier
xxx	Code shall be in Hexadecimal system	1	A

Attention: the Reading code shall be Hexadecimal system

Part IV: Features dictionary

4.6 How to use Member manage (PC system)

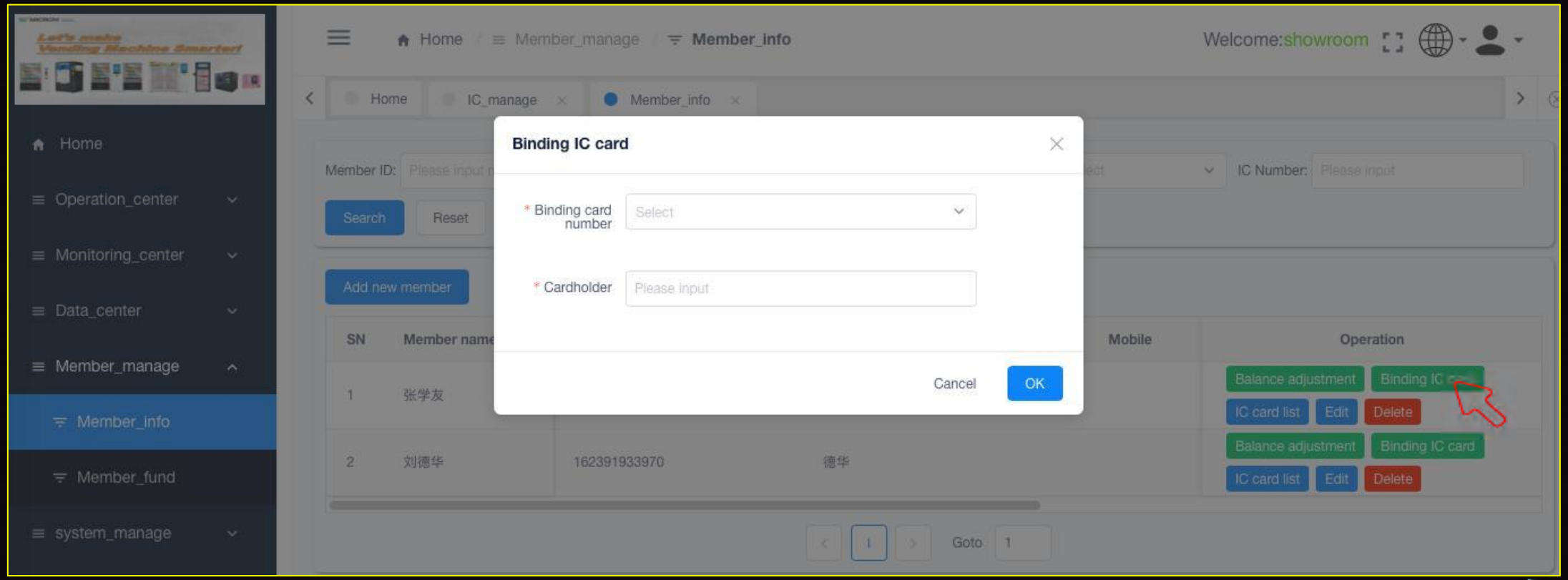
② PC System ---> Member manage ---> Member info ---> Add new member



Part IV: Features dictionary

4.6 How to use Member manage (PC system)

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



Part IV: Features dictionary

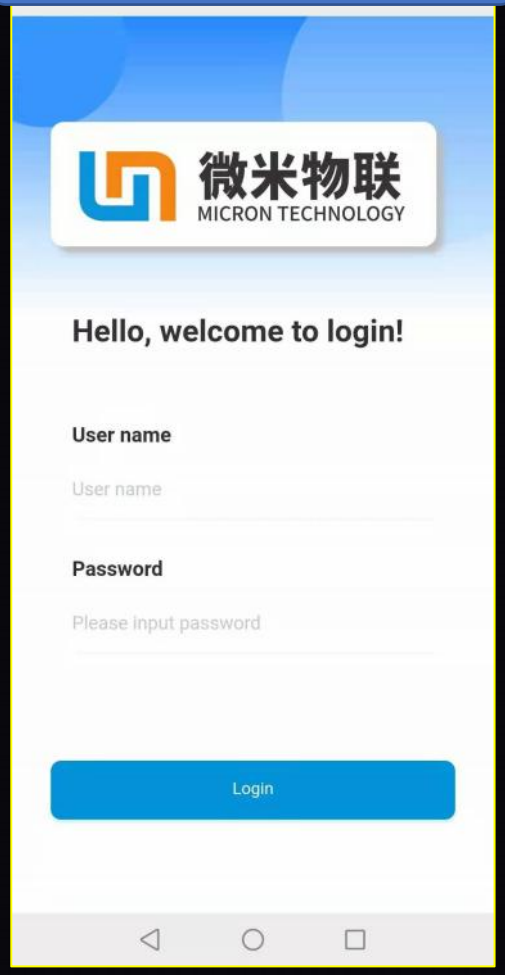
4.7 How to check Real time inventory

Smart phone system

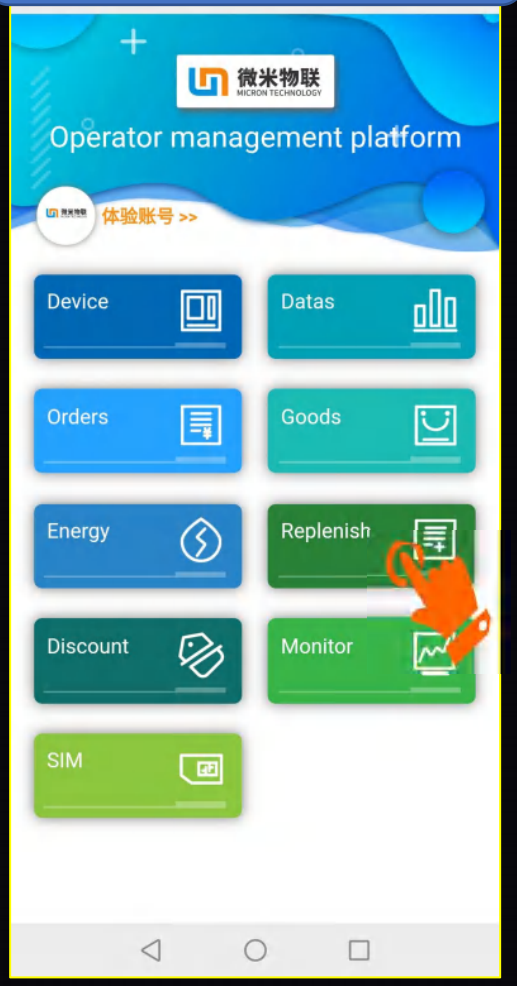
Login Smart system with phone

https://moperator.tech.weimi24.com

Input User name and password



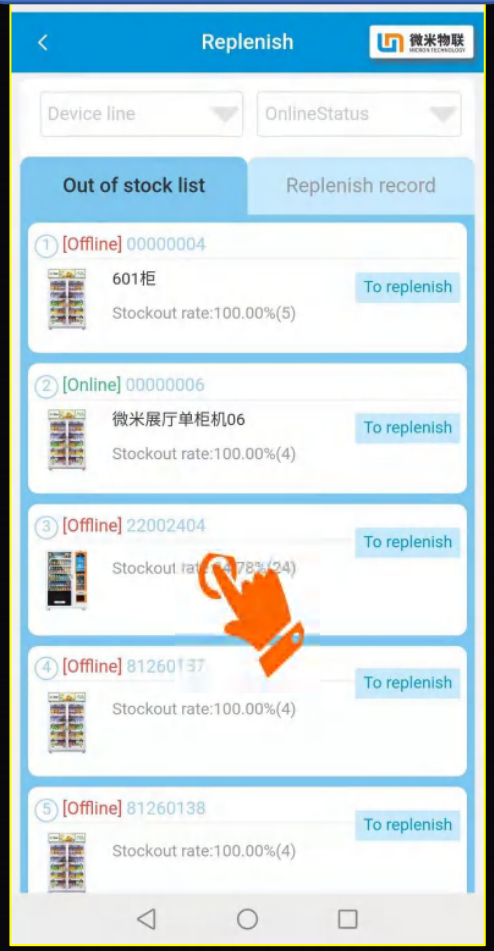
Click “Replenish”



Part IV: Features dictionary

4.7 How to check Real time inventory

Select the machine which you want to check.



Here you can check each product inventory

Part IV: Features dictionary

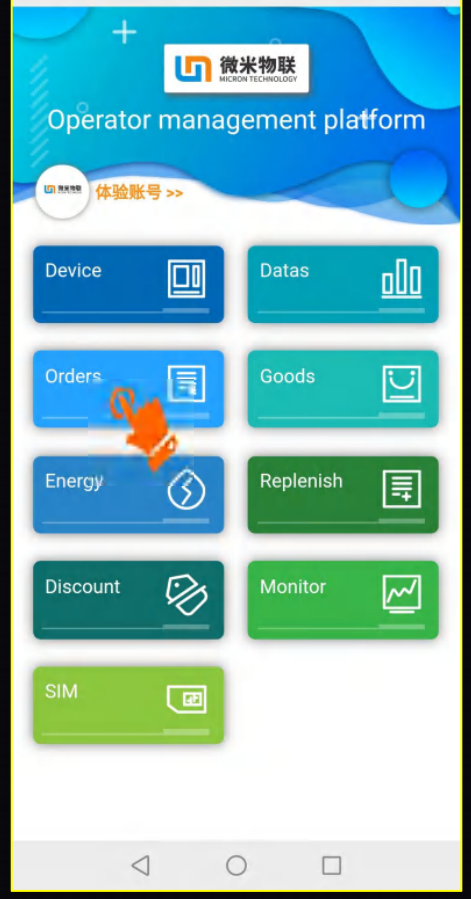
4.8.1 How to check Orders of all the machines

Smart phone system

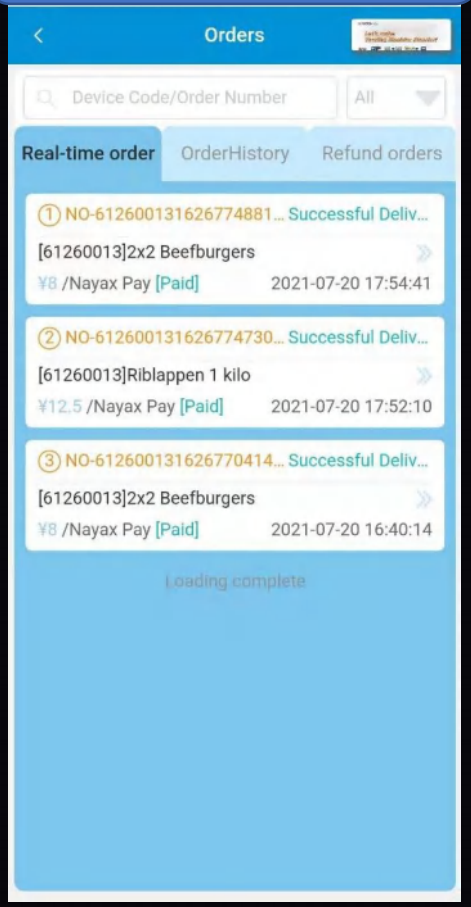
Login Smart system with phone

https://moperator.tech.weimi24.com

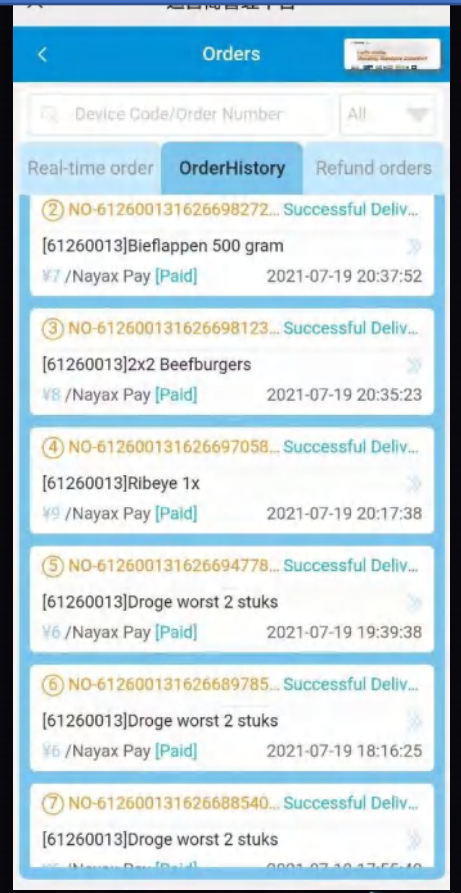
Click Orders



Can check today's order record



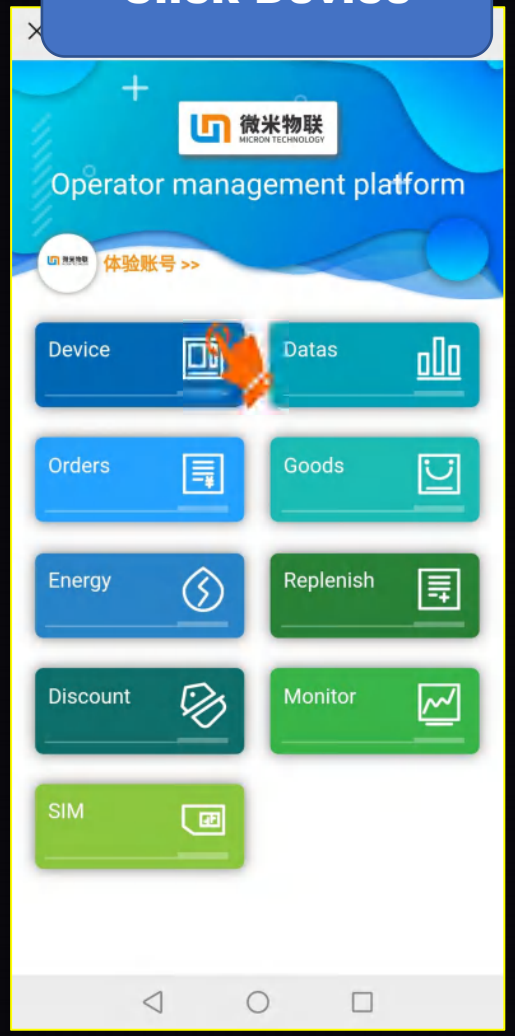
History order record



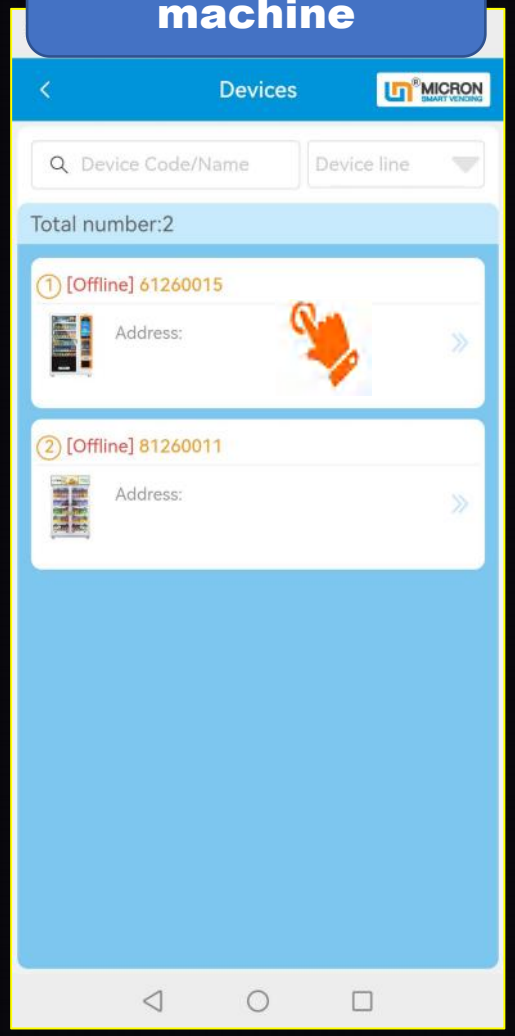
Part IV: Features dictionary

4.8.2 How to check orders of a single machine

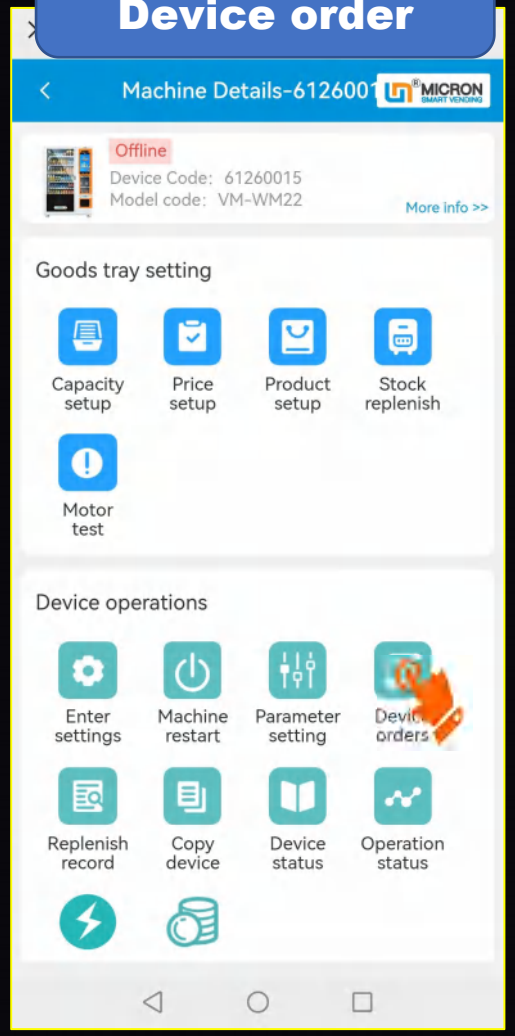
Click Device



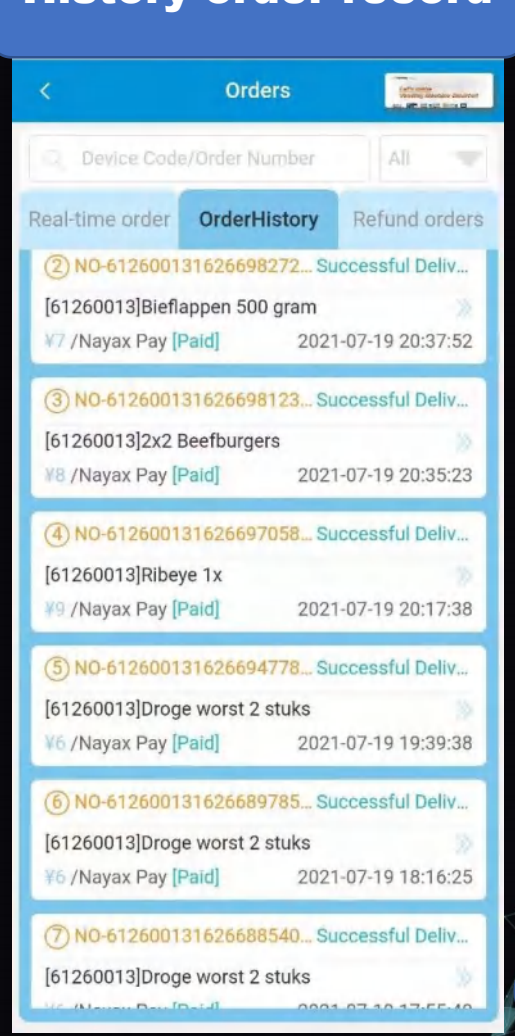
Select the machine



Click Device order



History order record



Part IV: Features dictionary

4.8.3 How to check Sales Data

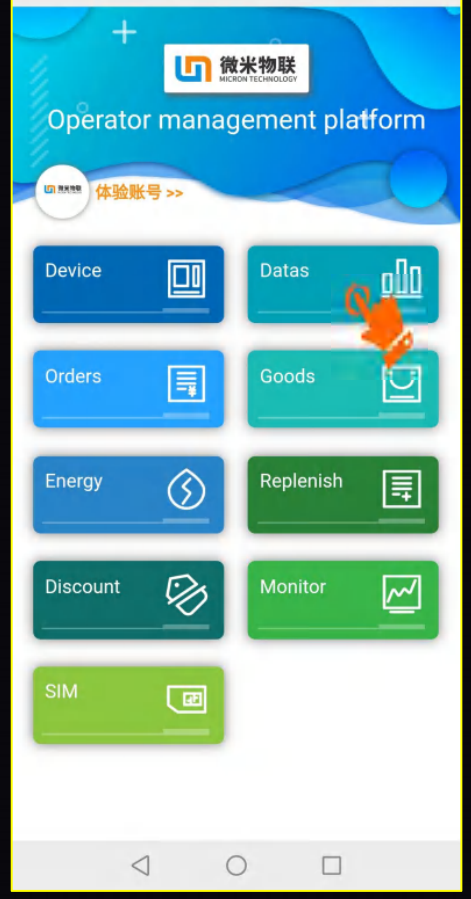
Smart phone system

Login Smart system

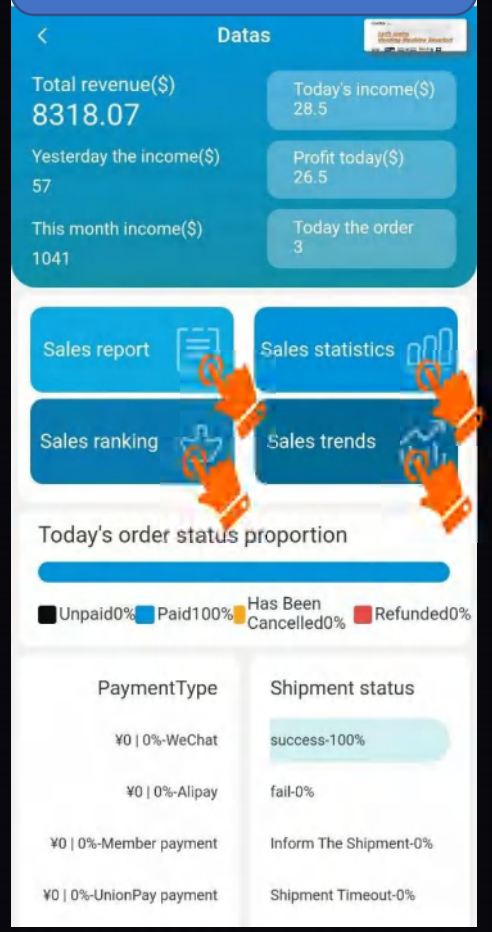
with phone

https://moperator.tech.weimi24.com

Click Data



Four buttons for more information



Part IV: Features dictionary

4.9.1 How to check Replenish record (PC system)

※ 1. PC System

You can check the replenish record of ALL the machines under your account from PC system, by exporting the file in Excel format.

※ 2. Mobile System

You can view the replenish record of ALL machines under your account, or you can just choose to view the record of a specific machine.

Login the system from your computer by User name/Password

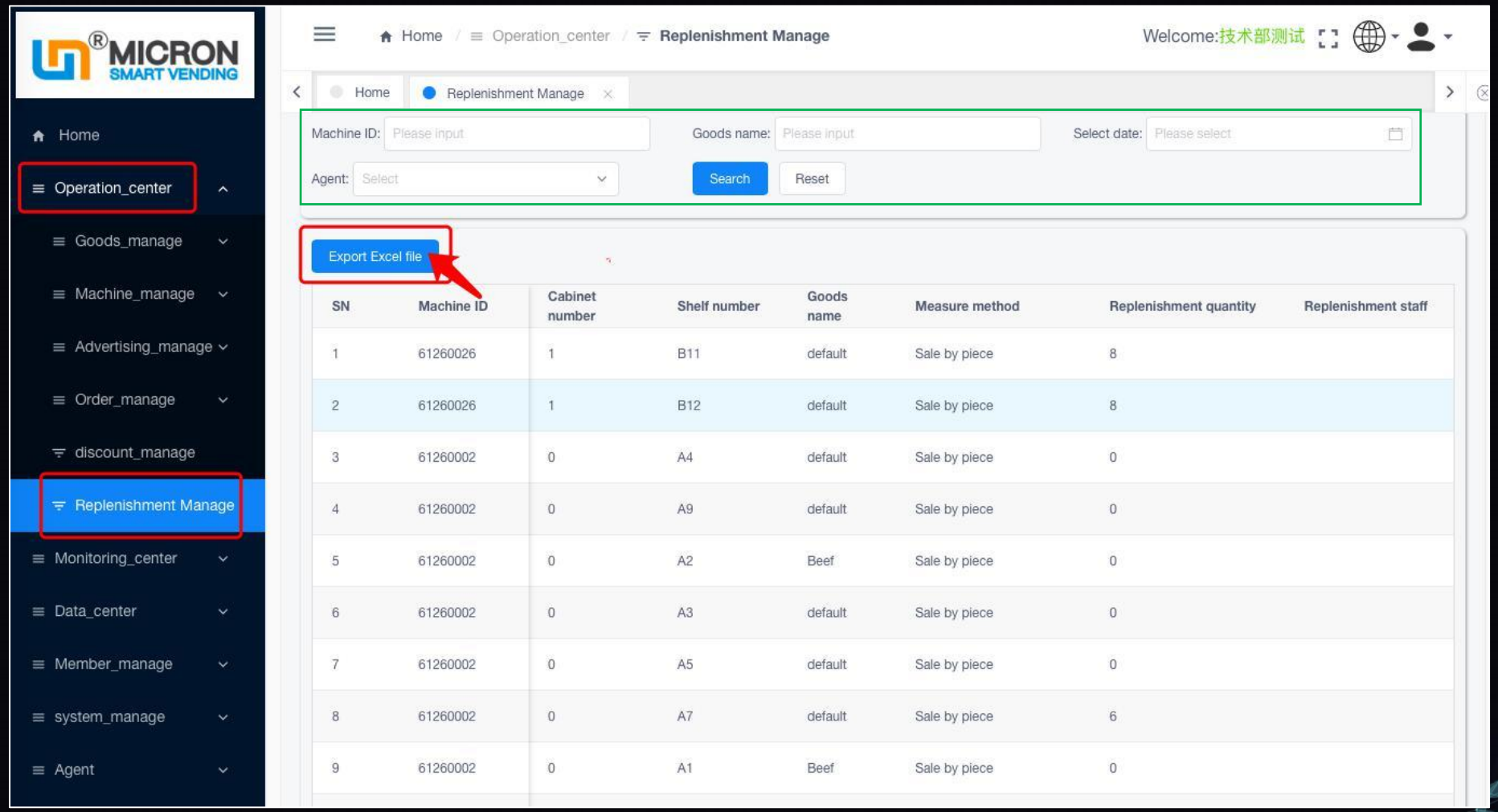
Part IV: Features dictionary

4.9.1 How to check Replenish record (PC system)

※ 1. 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.

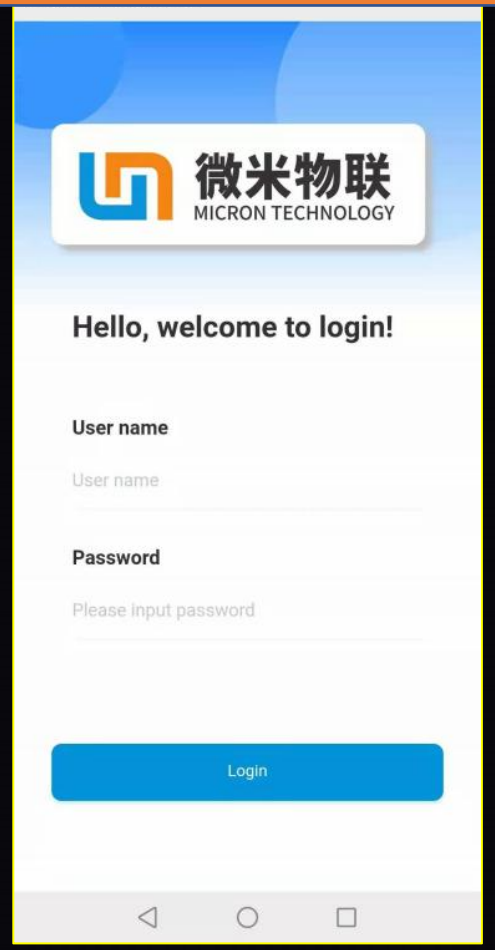


Part IV: Features dictionary

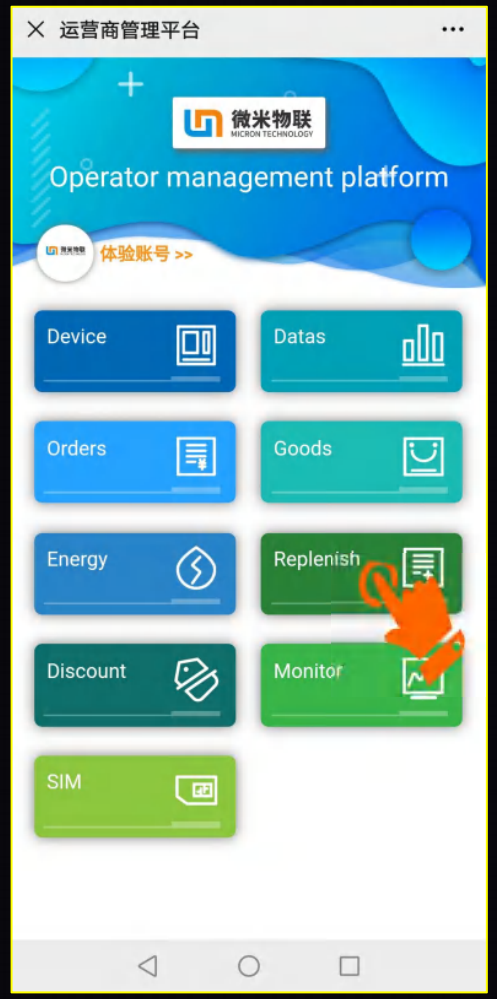
4.9.2 How to check Replenish record (Mobile system)

Login mobile system

https://moperator.tech.weimi24.com

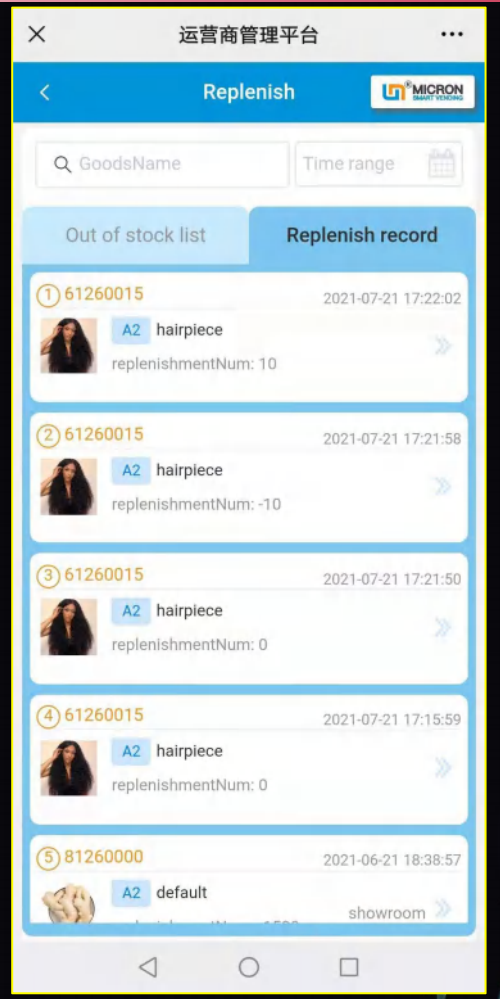


Click “Replenish”



Click “Replenish record”

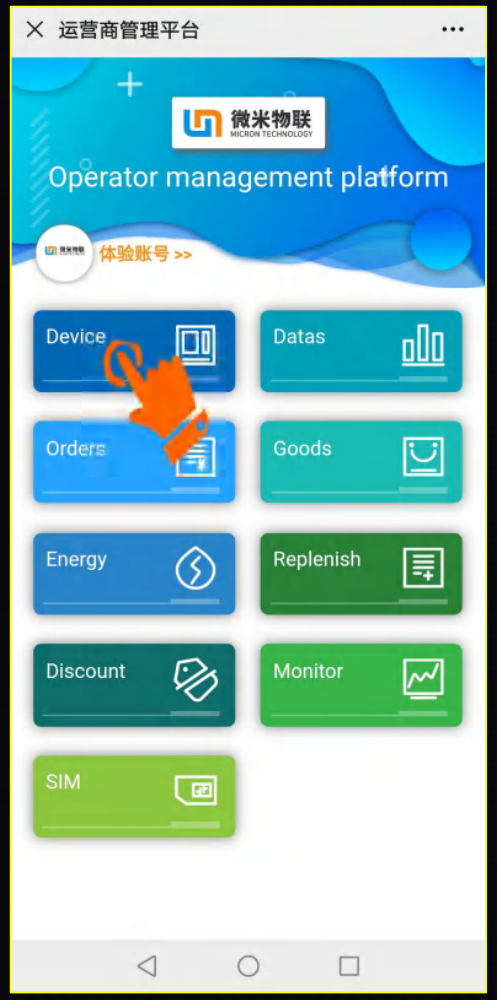
You will see the record for ALL machines under this account



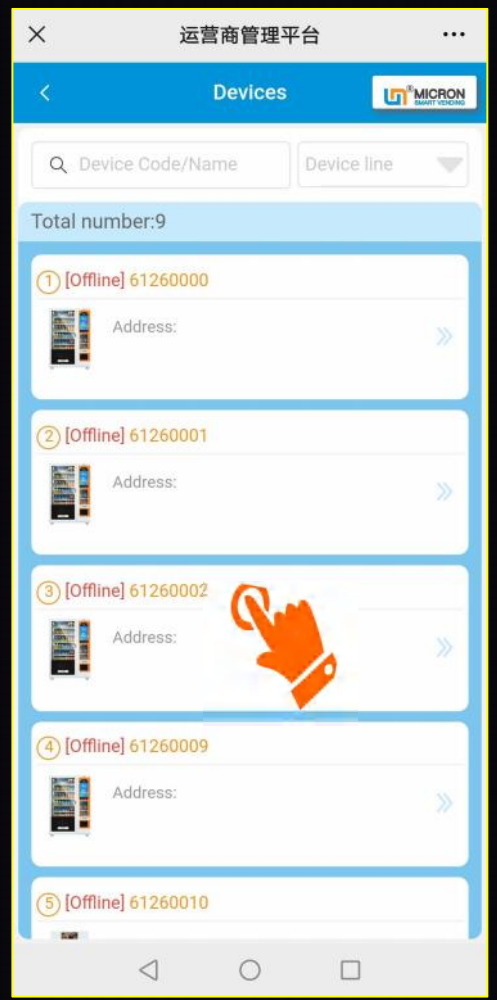
Part IV: Features dictionary

4.9.2 How to check Replenish record (Mobile system)

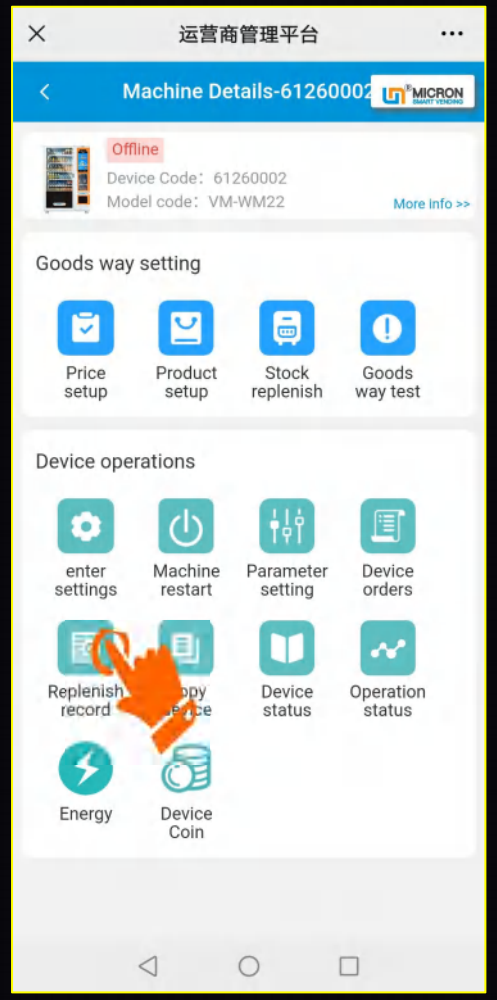
Click “Device”



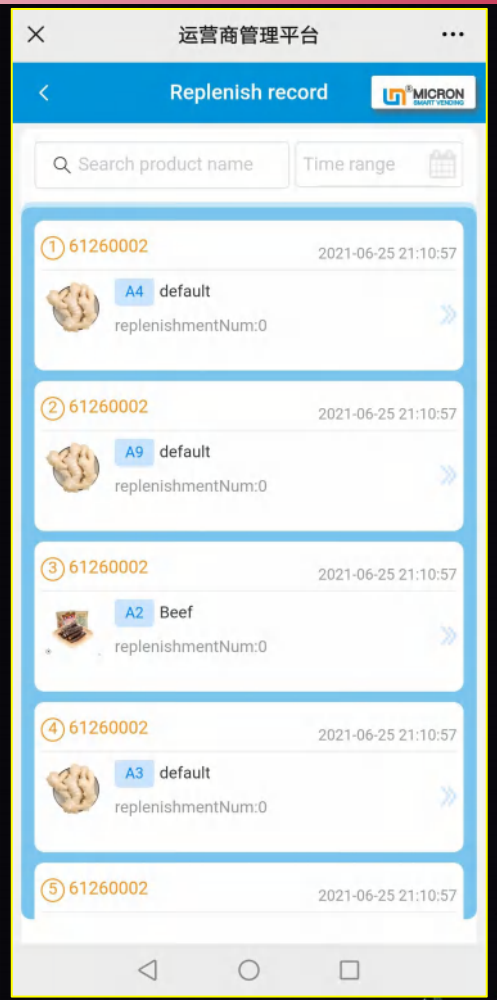
Choose the machine



Click “Replenish record”



You will see the record for the chosen machine only



Part V: Machine installation

5.1 Installation

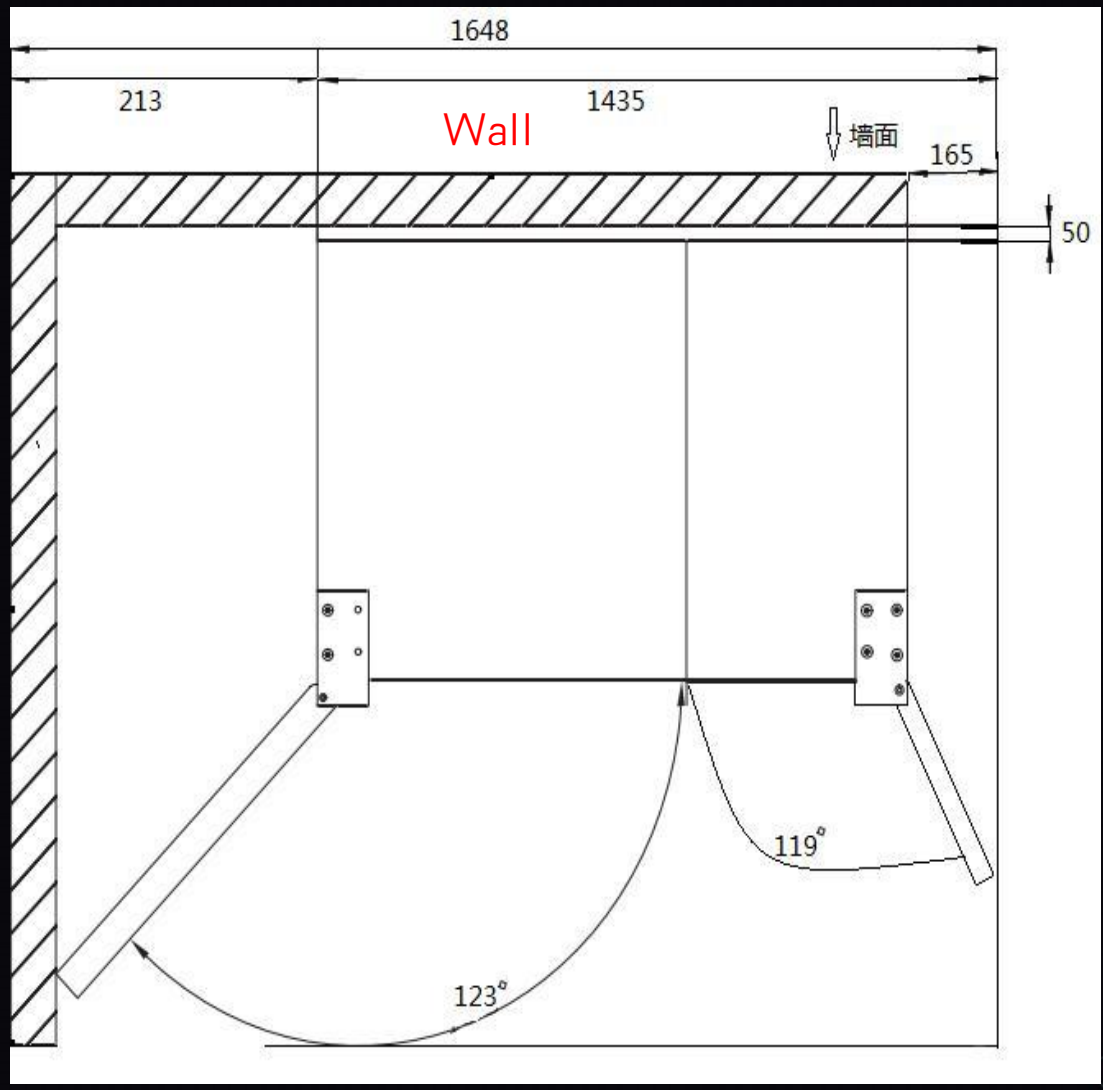
5.1.1 Placement of the machine

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.



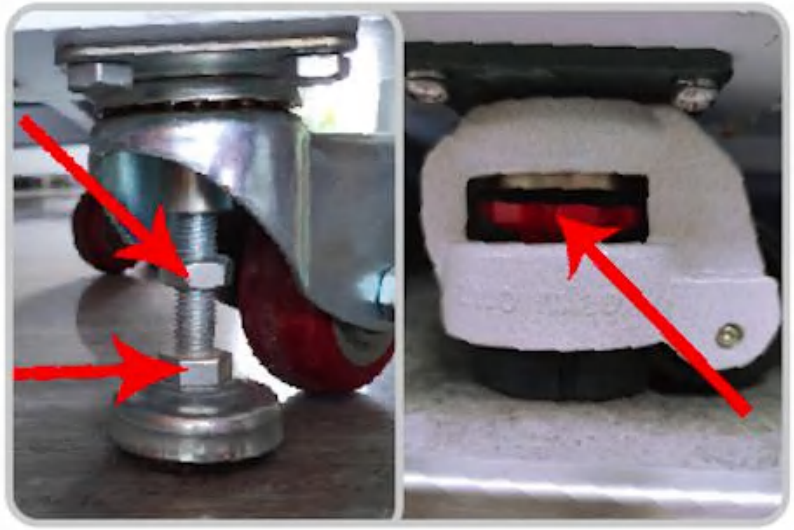
Part V: Machine installation

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;



Part V: Machine installation

5.2 Open the door lock (Type–1)

Part V: Machine installation

5.2 Open the door lock (Type–2)

Part V: Machine installation

5.3 Electrical control

How to set temperature?

https://www.youtube.com/watch?v=05RjsfNonu8

Temperature control

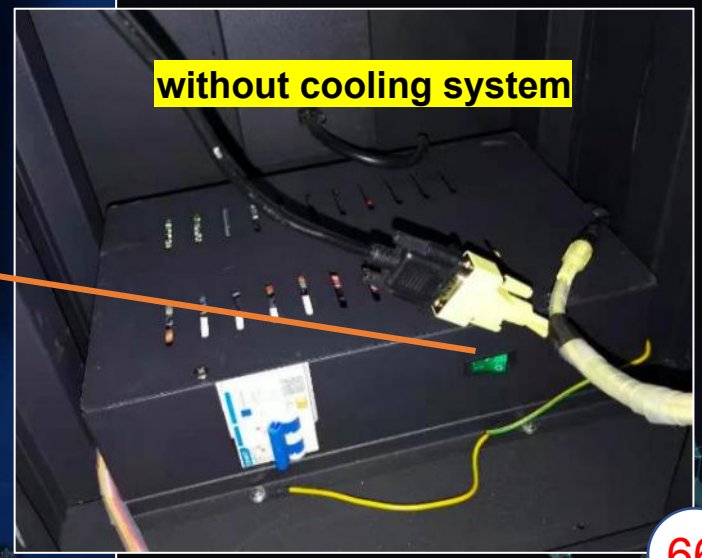
Ture on/off cooling system

Ture on/off the door defog

Turn on/off Andriod system

Leakage relay test button

Power on/off switch



Part V: Machine installation

5.4 Power supply

IMPORTANT: For safety purpose, please make sure the power supply has connected the grouding 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

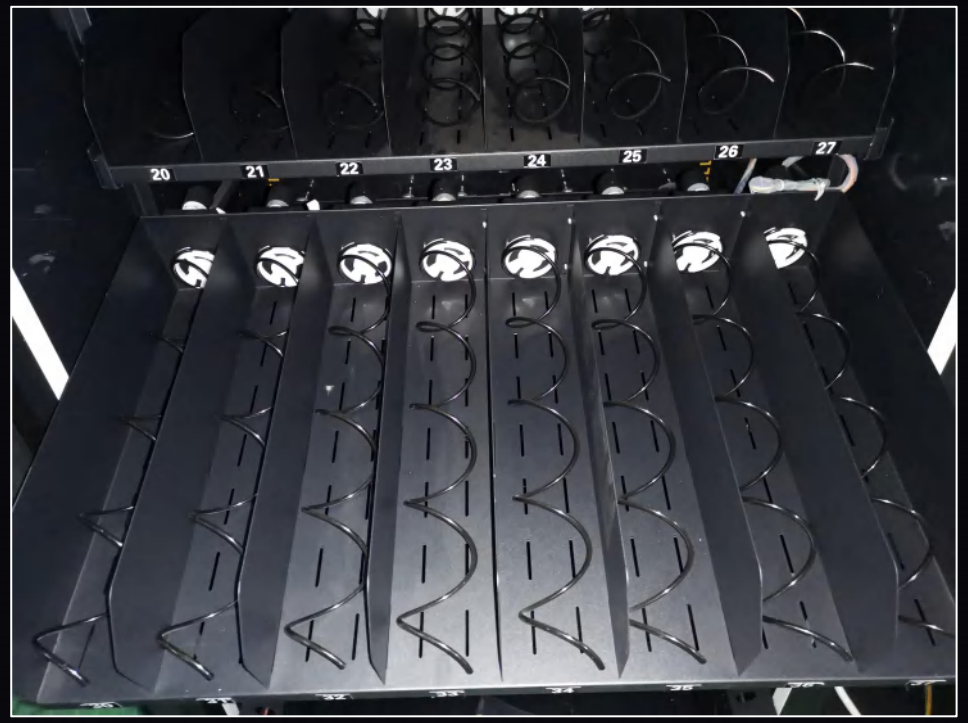
Press the testing button at least one time a month to confirm the action of leakage relay. If no action, there is possibility of electric shock.

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

5.8 Fill products to machine

How to fill the goods to the machine?

https://www.youtube.com/watch?v=UMIxPMjN6F0

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