MICRON SMART VENDING

GUANGZHOU MICRON VENDING TECHNOLOGY CO., LTD.

Smart fridge-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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*Page# is shown here

Part IV: Features dictionary

PC system

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Mobile system

- 8. How to check real time inventory[Page 43~44]
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- 11. How to use Energy management module (check power consumption, control LED, Screen&Sound, Cooling system, and Glass defogging)[Page 52~54]

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Part I: Machine introduction

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

https://www.youtube.com/watch?v=NExVD9rWSS4

※ 21.5” Non-touch screen
※ Internet: WIFI/3G, 4G SIM Card
※ Android OS 5.1
※ ROM 8G / RAM 2G
※ Variety: 5 * 1 or 5 * 2 Shelves
※ Technology: Weight-sensing
※ Lock: Electrical lock
※ Cooling System: 4~20℃
※ 2-Layer tempered glass door
※ 24V Electric door defogging
※ LED Lighting stripes
※ Dimension: W68*D70*H200cm

Model: WM22ZT0

Model: WM22T1

Optional: Price tag/Camera

※ 21.5” Touch screen
※ Internet: WIFI/3G, 4G SIM Card
※ Android OS 5.1
※ ROM 8G / RAM 2G
※ Variety: 5 * 2 or 5 * 4 Shelves
※ Technology: Weight-sensing
※ Lock: Electrical lock
※ Cooling System: 4~20℃
※ 2-Layer tempered glass door
※ 24V Electric door defogging
※ LED Lighting stripes
※ Dimension: W126*D72*H199cm

Part I: Machine introduction

https://www.youtube.com/watch?v=jPShAg2aGLE

Cooling System

- Compressor: on top of machine
- Fridges temperature : 4~20℃
- Freezers temperature: -18 ℃↗

Door System

- 2-Layer Tempered glass door
- Electrical Locks
- Electric defogging

NAYAX Card reader

Optional: E - Price tags

Strong & Flexible wheels

Optional: surveillance camera

Card readers

- IC/ID card
- Membership card

22 Inch touch screen

- Play advertisement
- Display the shopping list- name/qty/value of the goods

Goods trays

- Adjustable
- Suitable for selling packed or non-packed products

Weight sensors

- under each goods tray
- Goods Weight: <40Kg/tray

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]

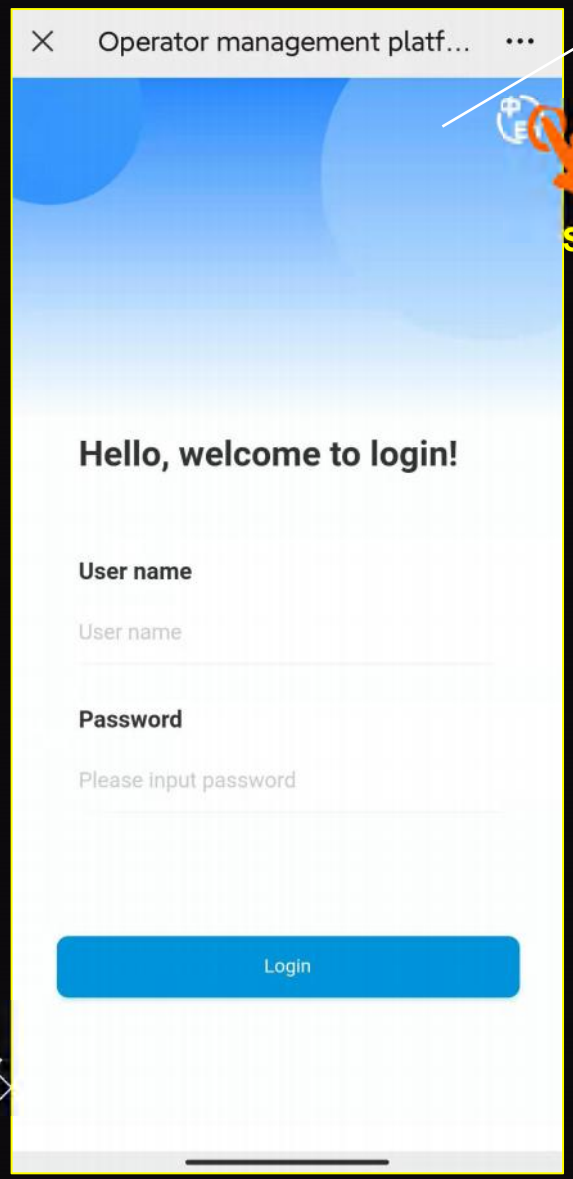
https://operator.tech.weimi24.com/

1.3 Login

Input the User name and Password

How to change the LOGO?

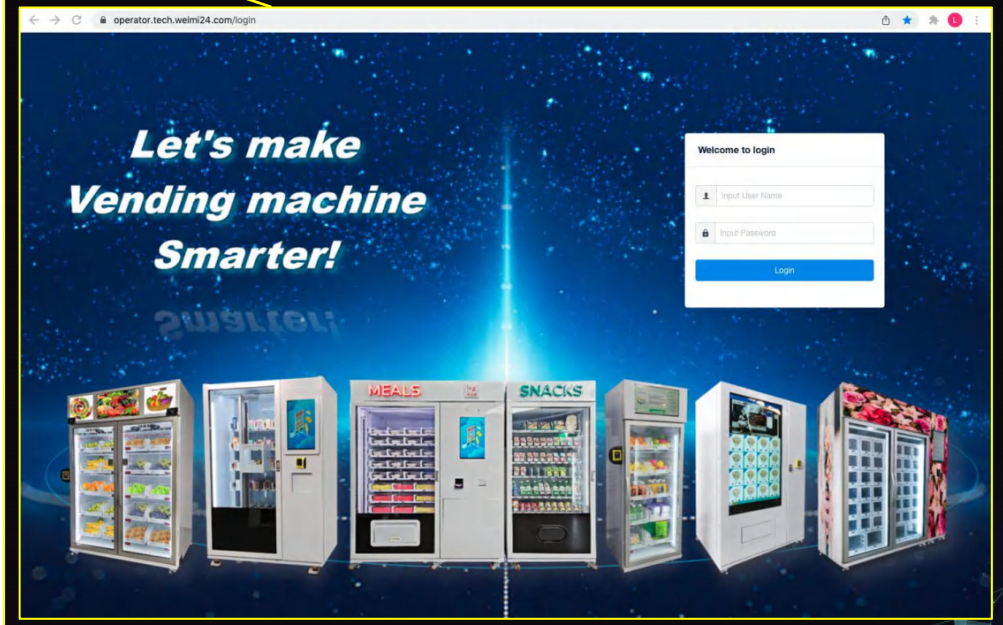
https://www.youtube.com/watch?v=W6jyQSCwHqI



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

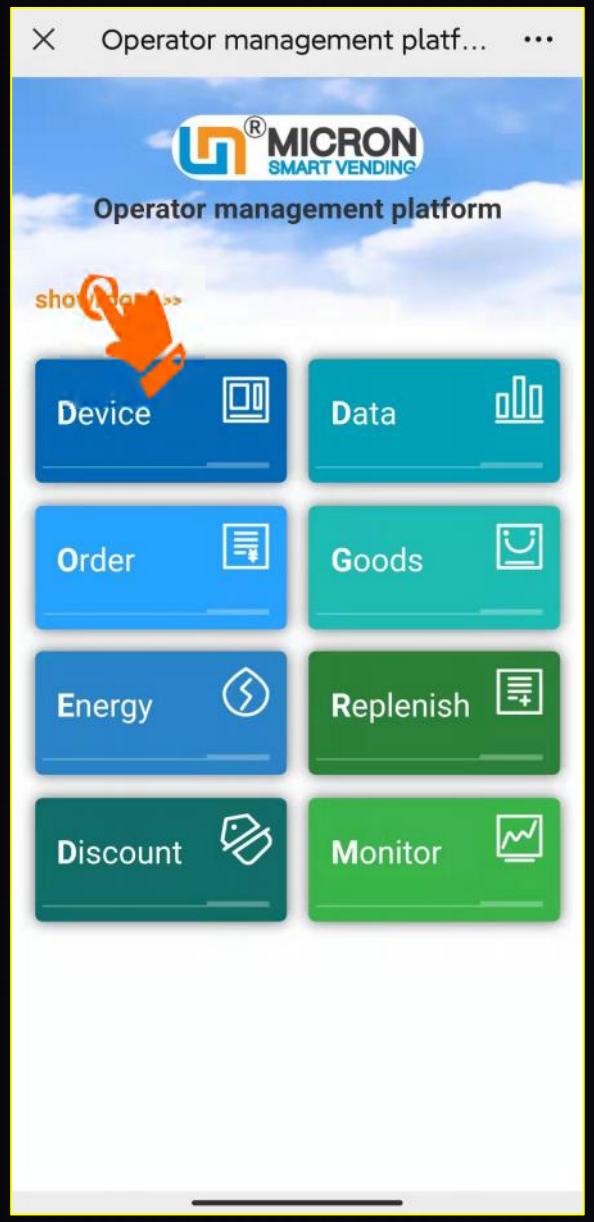
2.5 Energy Management

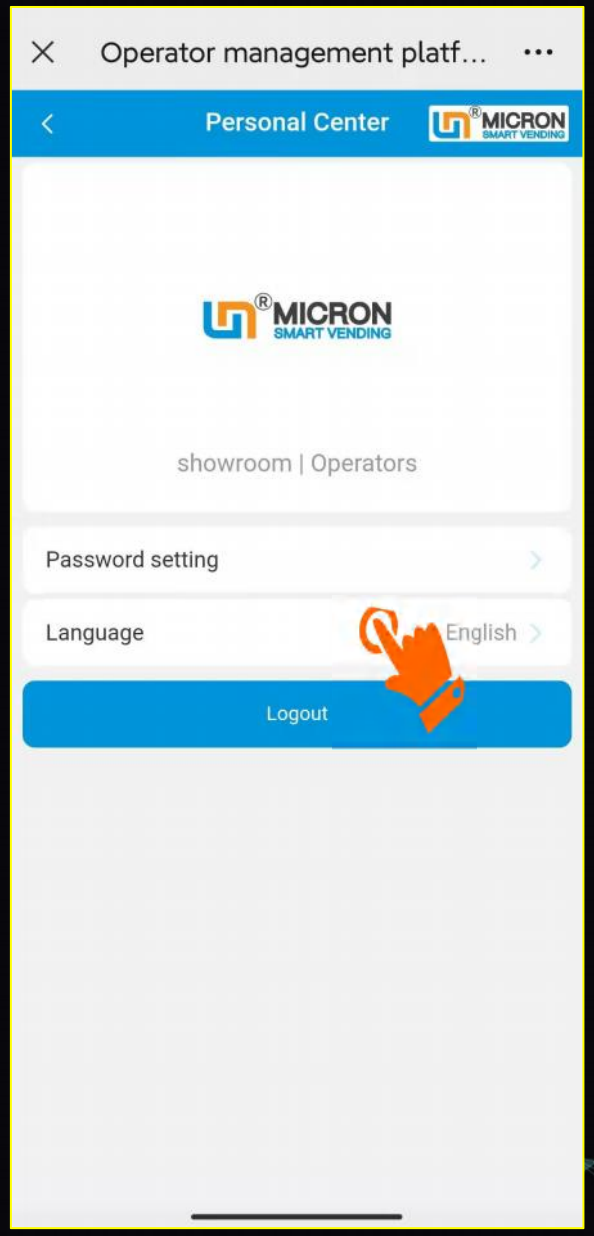
2.6 Replanish Management

2.7 Discount Management

2.8 Monitor Center

*Follow to switch language and change password



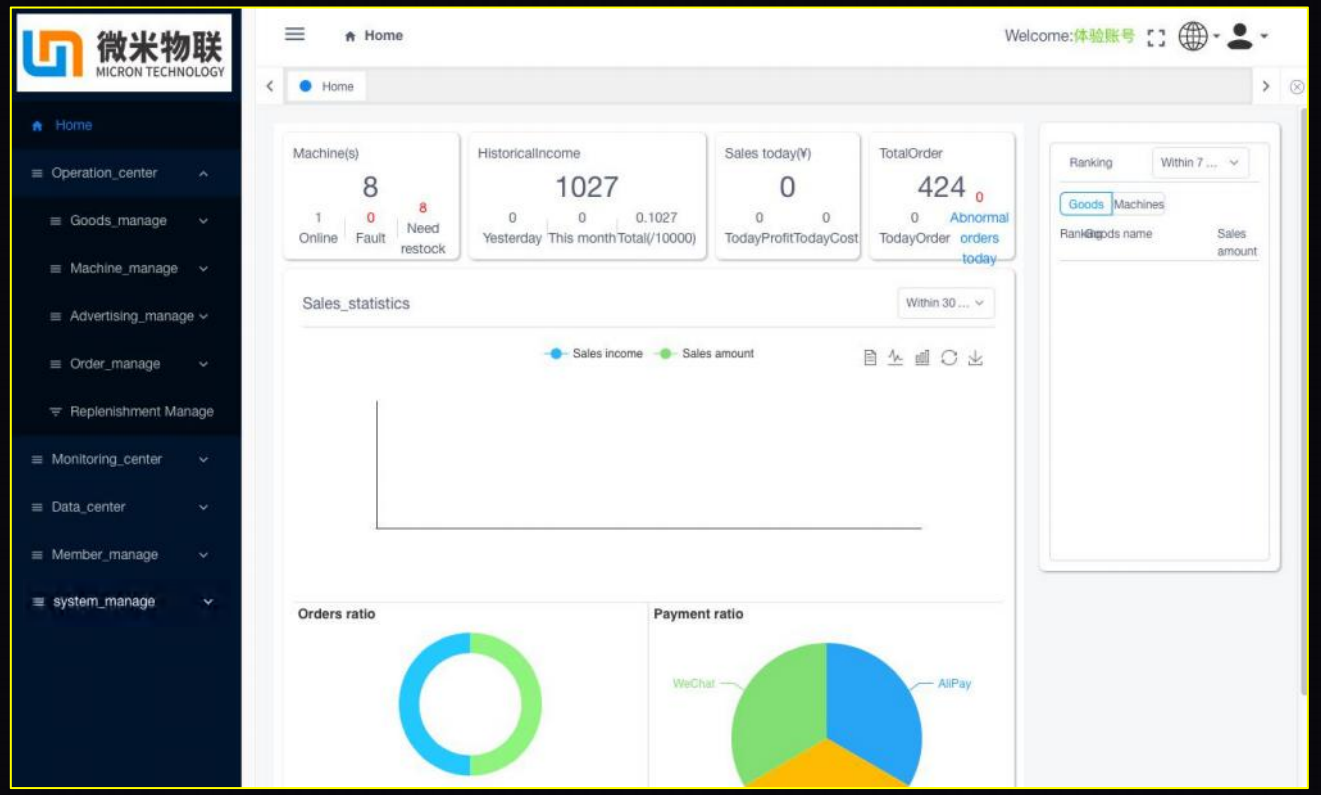


Part I: Management system

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

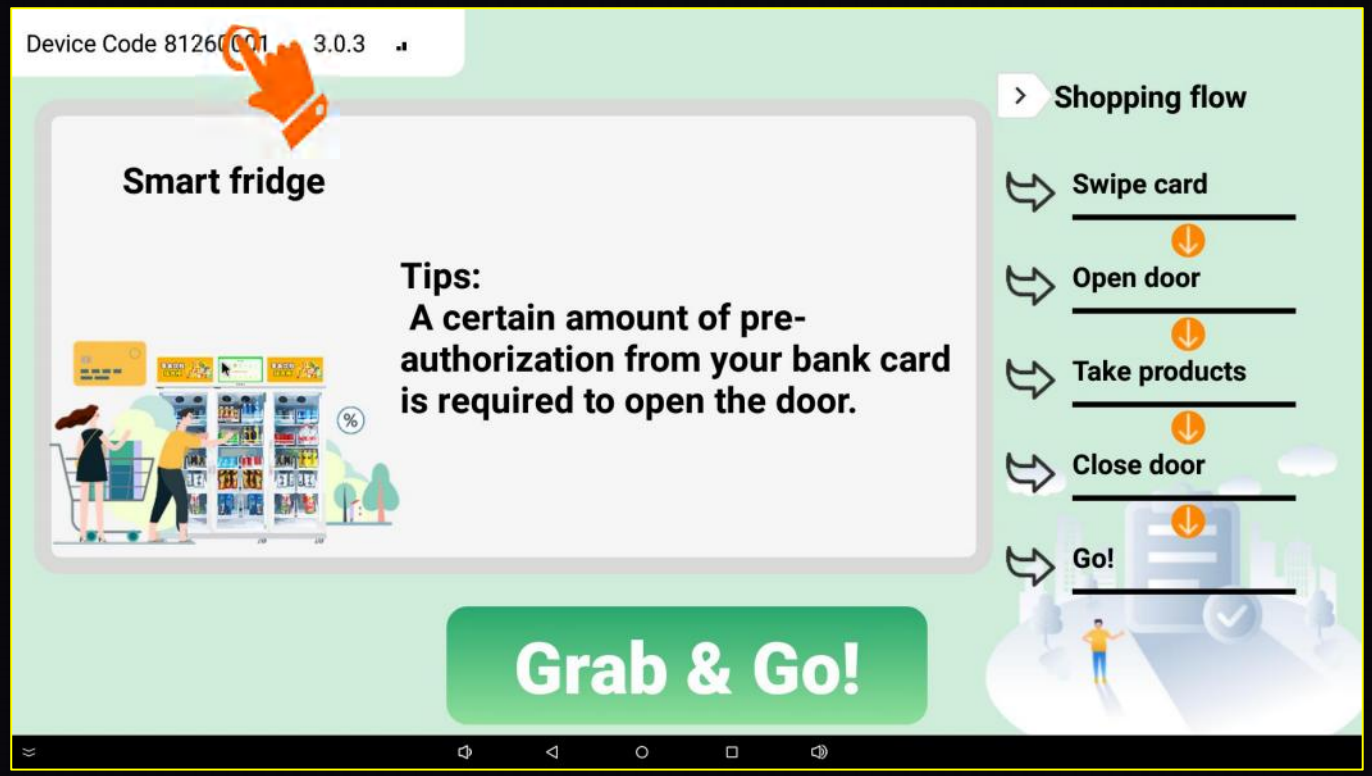
3.5 System manage

This module manages Operator/IC card/Role/User

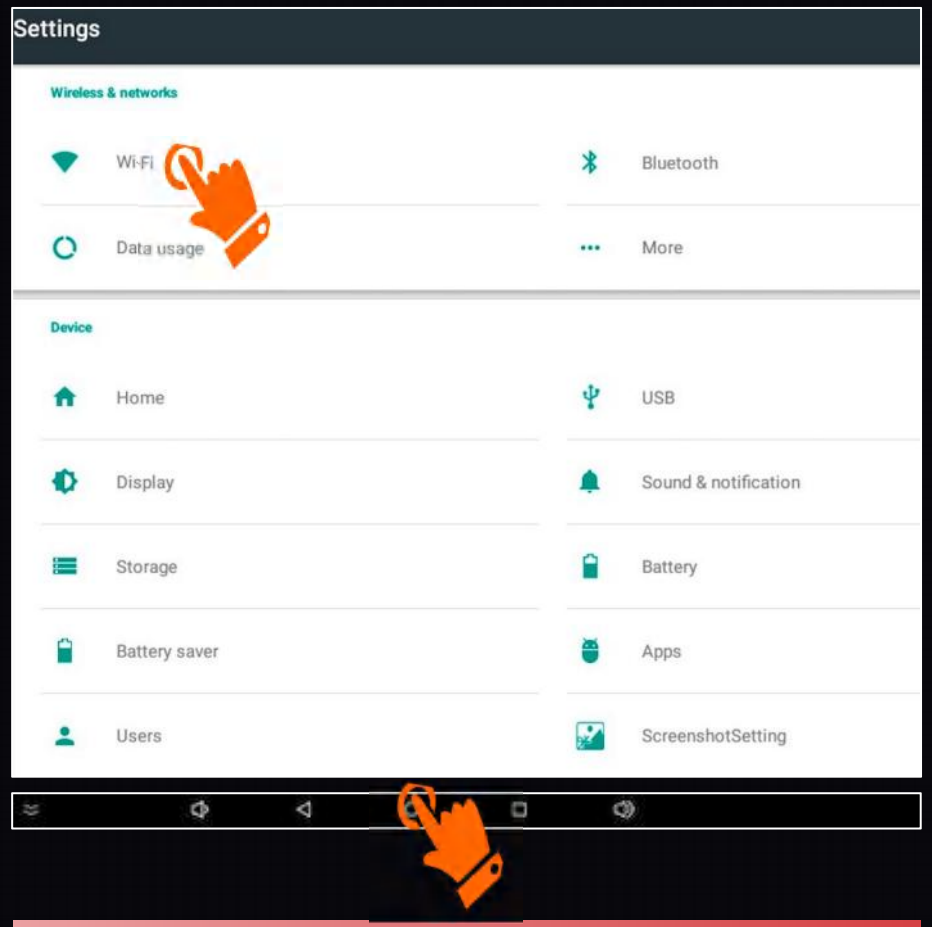
Part II: Machine basic setup

1.1 WIFI Connection (for 2–door model)

(Remark: 2-door model - touch screen; Single door model - Non-touch screen)



① Finger long-press the Device code (you finger on top of the number 8126xxx) for a few seconds, it will enter the Android setting page.



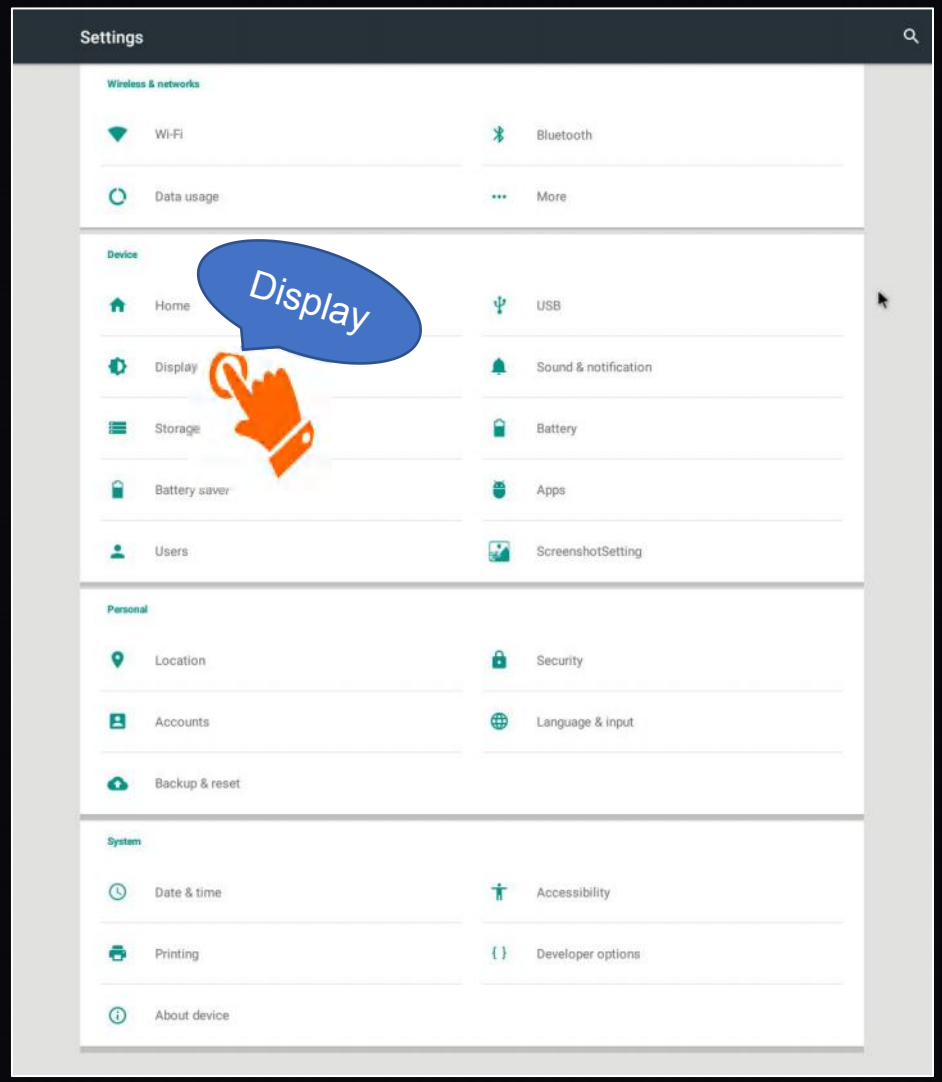
② Click “Wi-Fi”, select the “Wifi” and input password to connect.

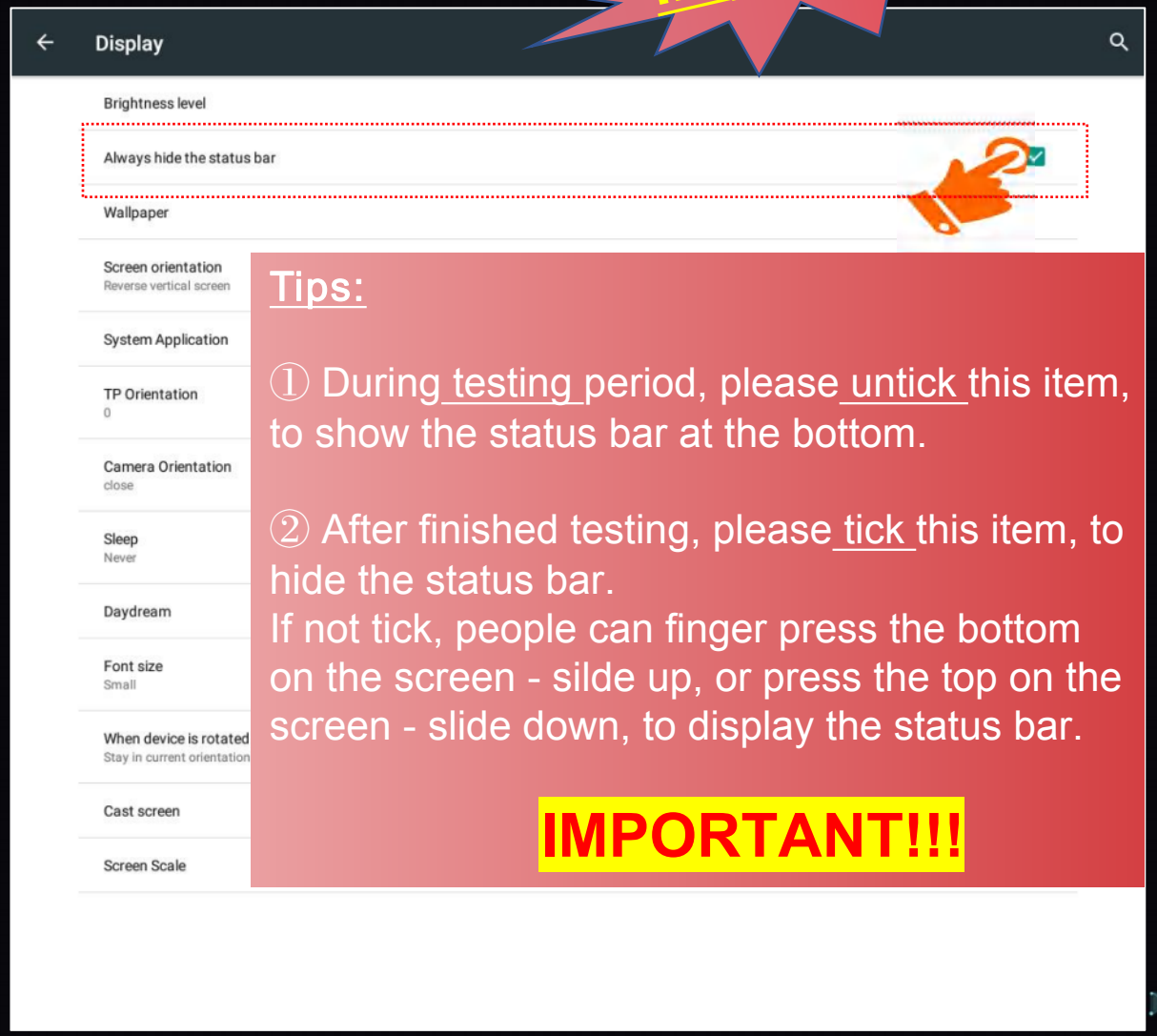
③ Click the “ ○ ” on the bottom status bar, go back home page.

Tips: If status bar is not shown at the bottom, please refer to the next page “How to display/hide status bar”.

Part II: Machine basic setup

Tips: How to display/hide the status bar





Important!

Tips:

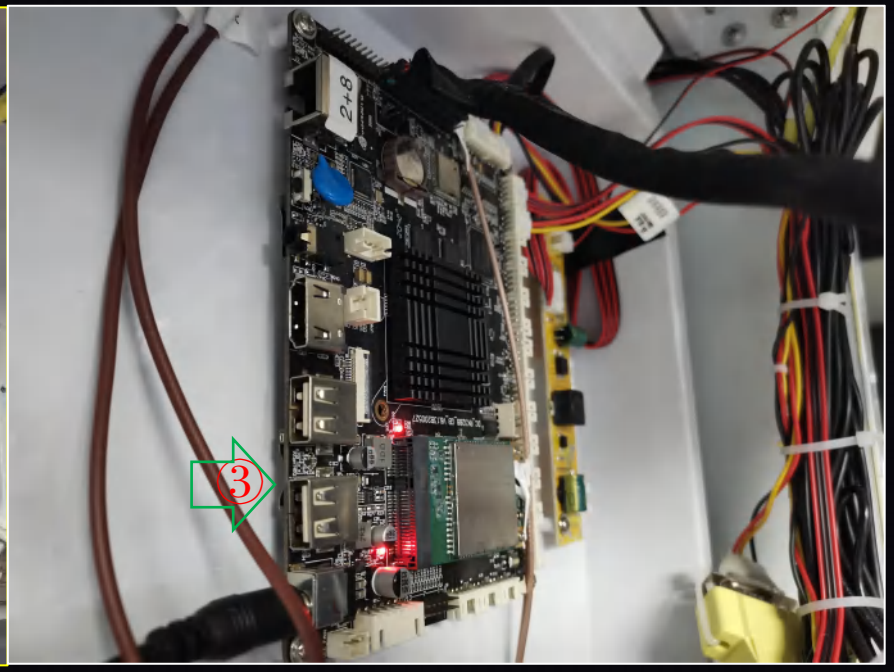
① During testing period, please untick this item, to show the status bar at the bottom.

② After finished testing, please tick this item, to hide the status bar.
If not tick, people can finger press the bottom on the screen - silde up, or press the top on the screen - slide down, to display the status bar.

IMPORTANT!!!

Part II: Machine basic setup

1.2 WIFI Connection (for single–door model – connect a mouse to control)



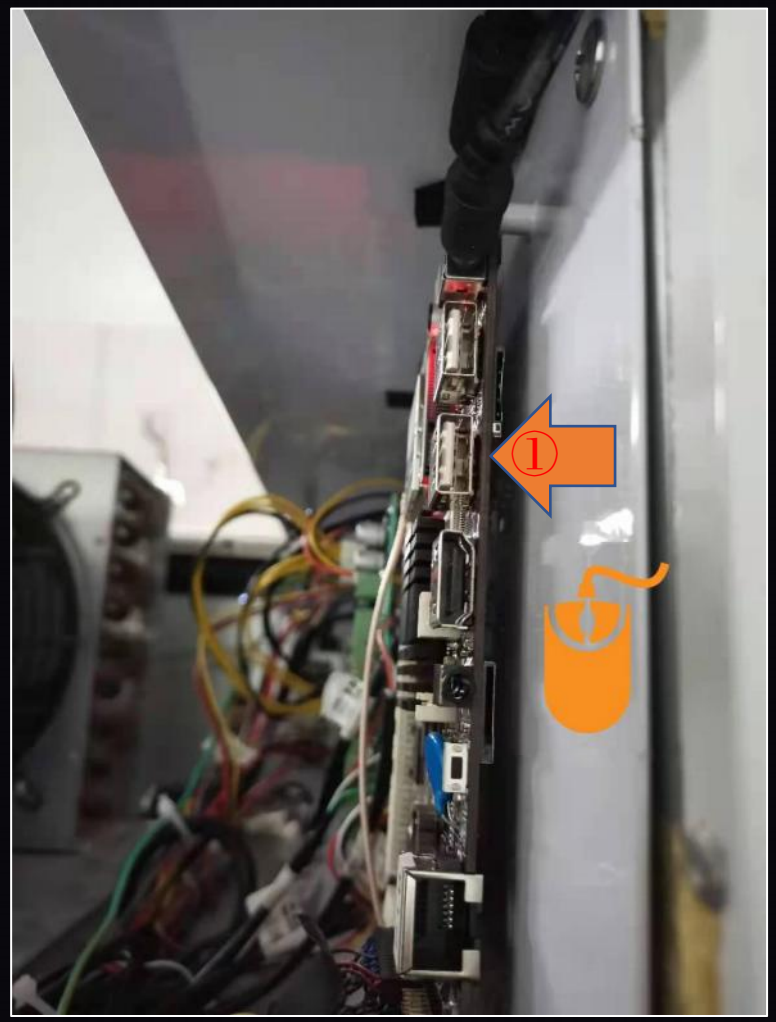
① There are 2 screws on the left & right sides of front panel. Unscrew them, and open the front panel, you will see a supporting bar, which is tied to the wires.

② Get the supporting bar, to support the front panel firmly.
③ You will see the Andriod mainboard and the ON/OFF buttons.

Remark: for some single-door model, the mainboard and ON/OFF buttons may locates on top of the machine, you will see them from the back side of top of the machine.

Part II: Machine basic setup

1.2 WIFI Connection (for single–door model)

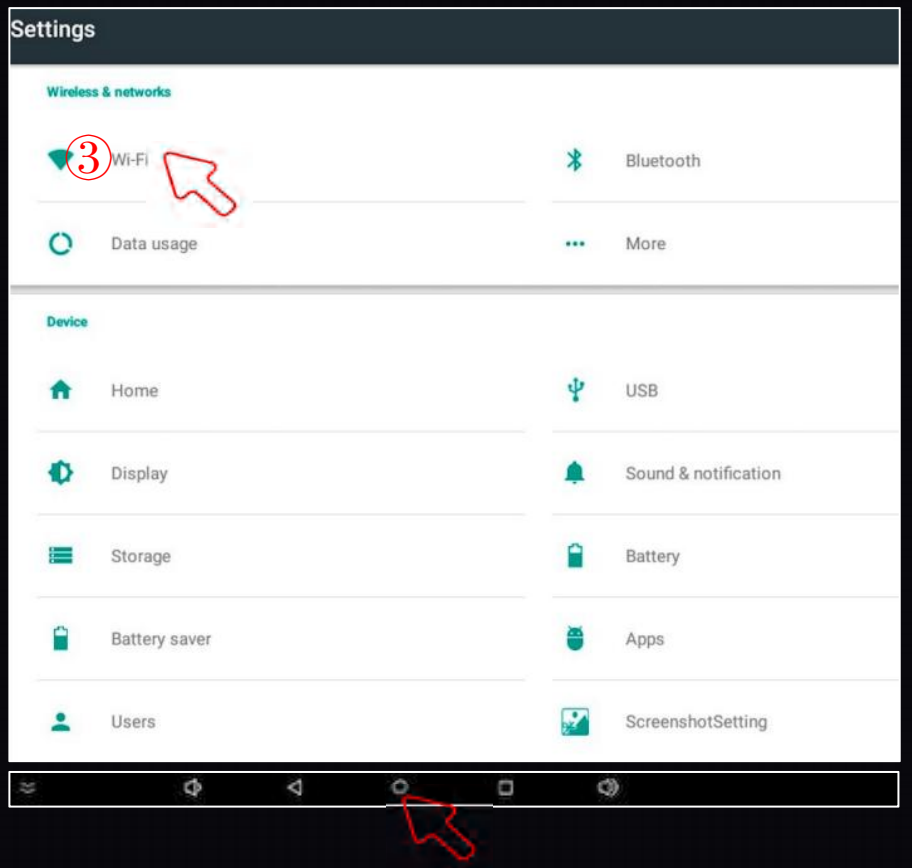


Screen

① Connect a mouse to the USB port of the android board on top of the machine

② Move the mouse pointer to the top left corner of screen, long press for a few seconds, enter into Android setting

③ Click “Wi-Fi”, select the wifi and input password to connect.



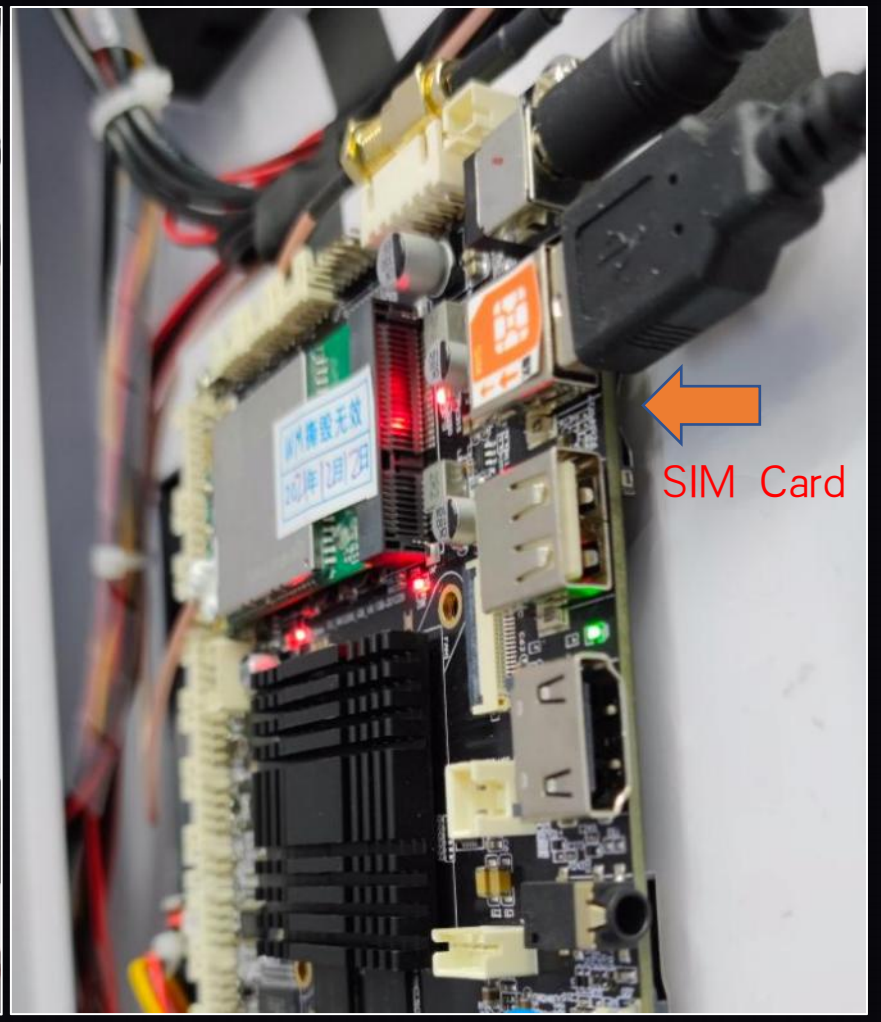
④ Click the “ ○ ” on the bottom status bar, go back home page.

***In future, if need to enter this page, move the mouse pointer to the top of the device number, long press the left mouse button.

Part II: Machine basic setup

1.3 Insert SIM Card (3G/4G)

In case WIFI is not available, then need to insert SIM card.



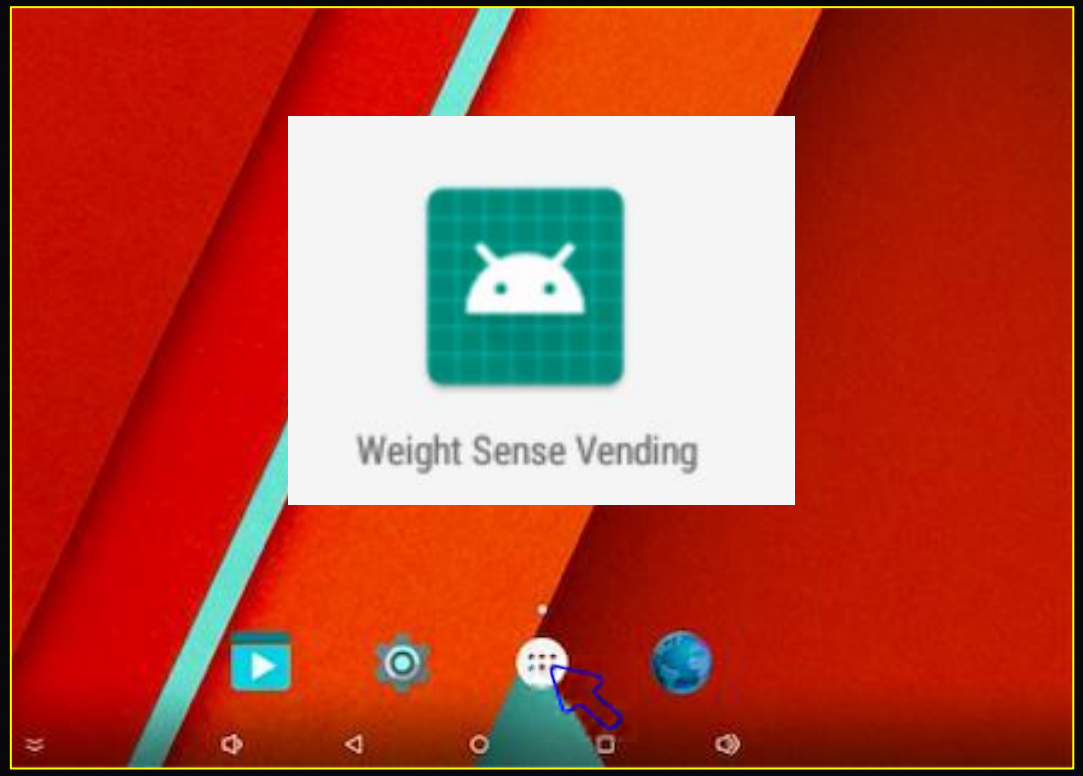
Insert the 3G/4G SIM card into the slot correctly as per the card direction guide sticker.

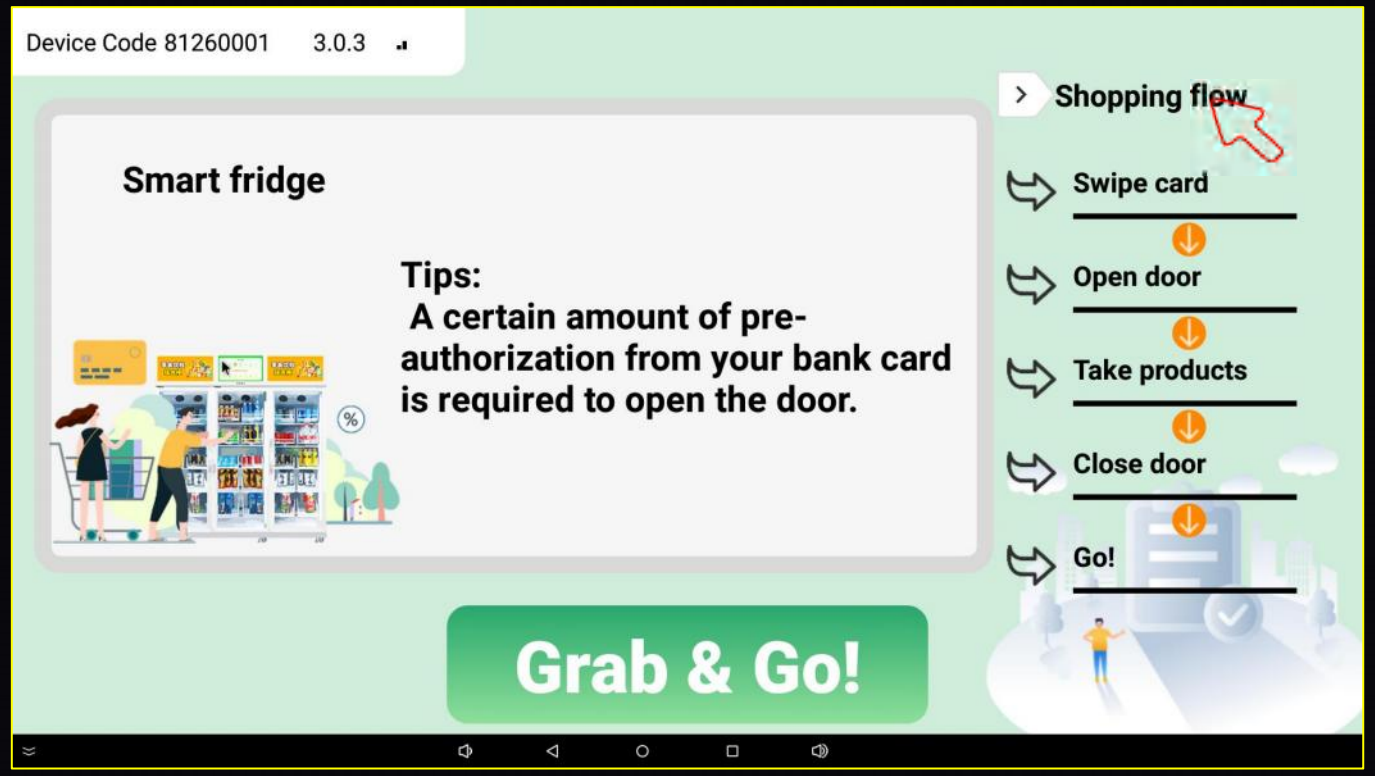
Restart Andriod (Green button).

In case WIFI is not available, then need to insert SIM card.

Part II: Machine basic setup

1.4 Enter “Vending” APP



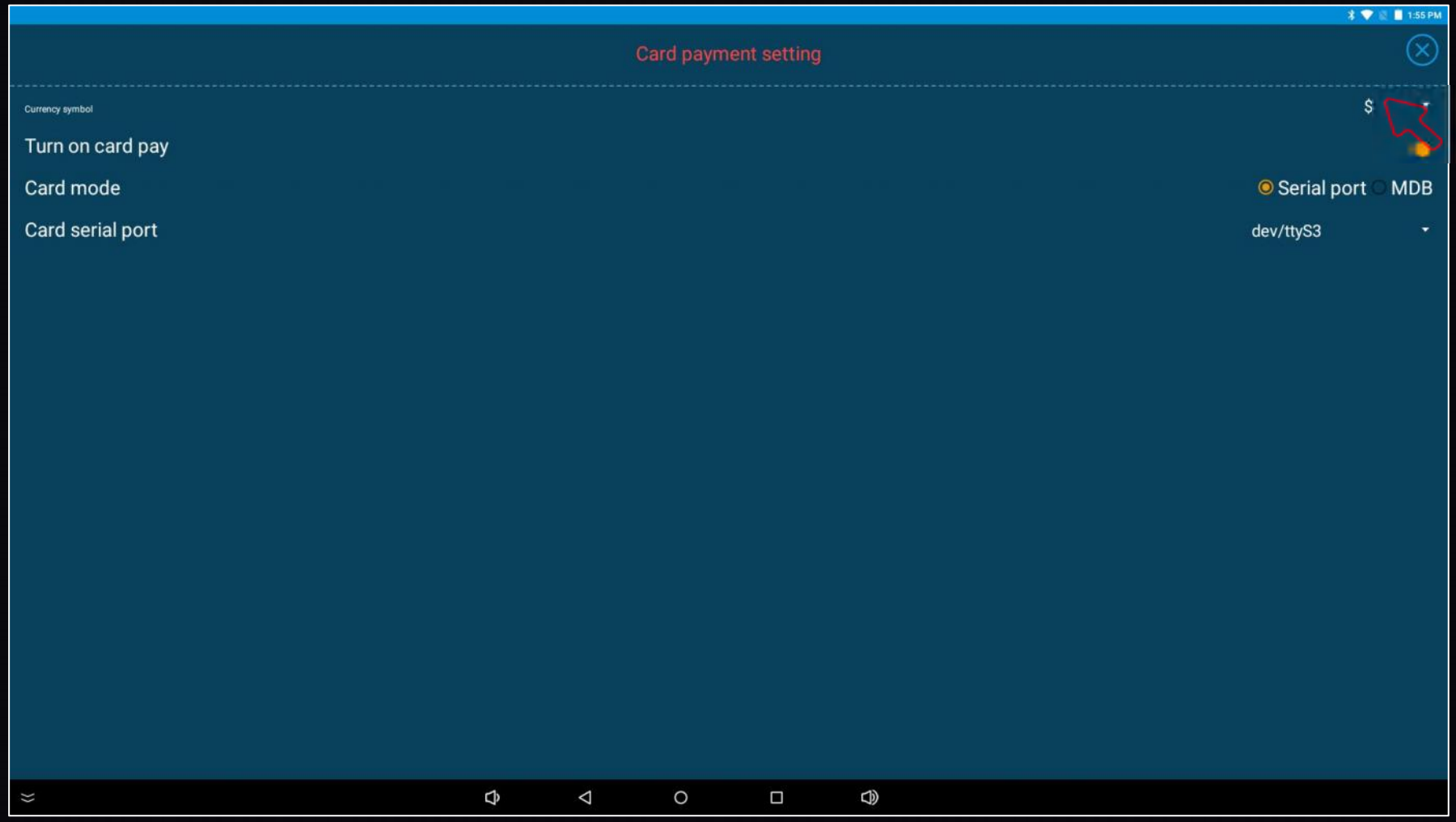


Click “ ” on the bottom of screen, and click the APP named “Weigh Sense vending” to enter shopping page.

After enter the shopping APP, long press “Shopping flow”, you can enter APP card payment setting.

Part II: Machine basic setup

1.5 “Vending” APP card payment setting



Usually we've set this page during testing in our factory...
However, in future, if necessary, turn on the card payment, and change the currency symbol from this page.

Part III: Product setup

https://www.youtube.com/watch?v=7vNNSLGZEw0

1. Create products database (From mobile system)

※ Goods:

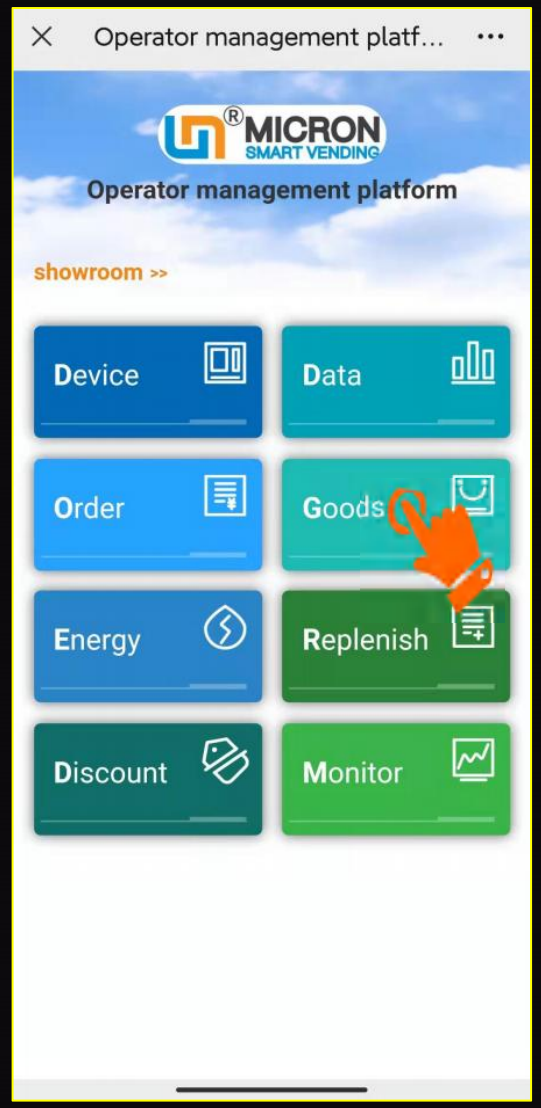
New products can be added 1 by 1;

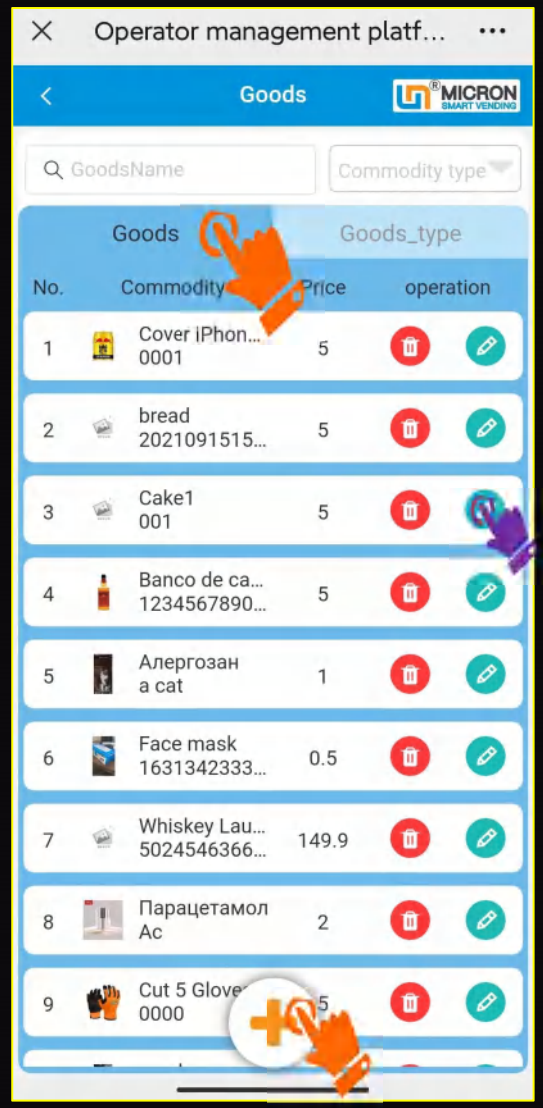
The products in the list can be Edited or Deleted freely;

Important tips:

1. For the products with standard package, and to be sold by piece, MUST input their standard weight, and price per piece (e.g. bottle/bag/piece, etc...).

2. For the product without standard package, and to be sold by weight, the weight can be a random number (not 0), but need to set price on the back-end system as xx/500g (**Not Kg**).
However, the prices will be shown on the machine E-price tags as xx/KG.





Part III: Product setup

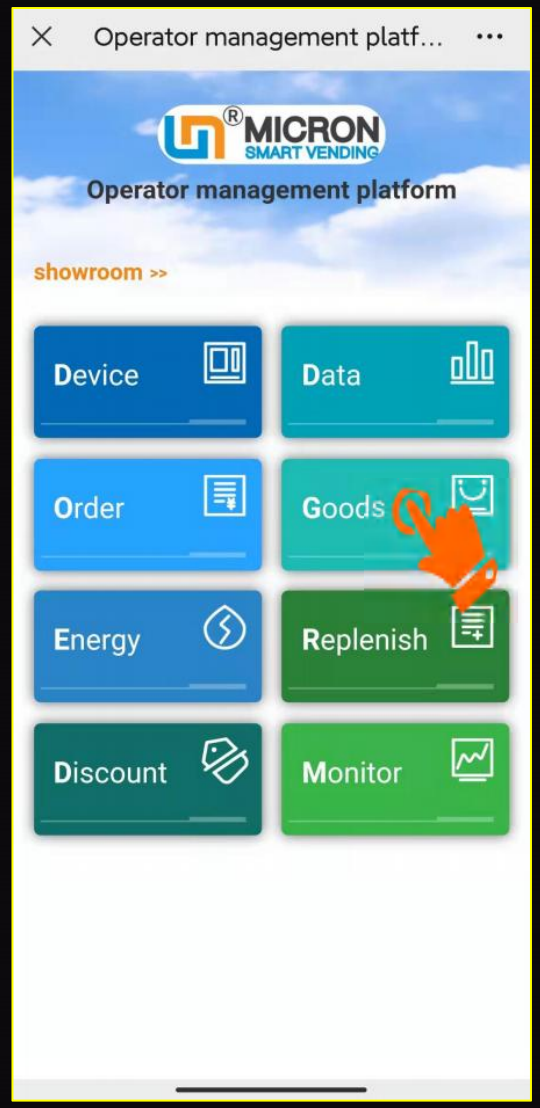
1. Create products database (From mobile system)

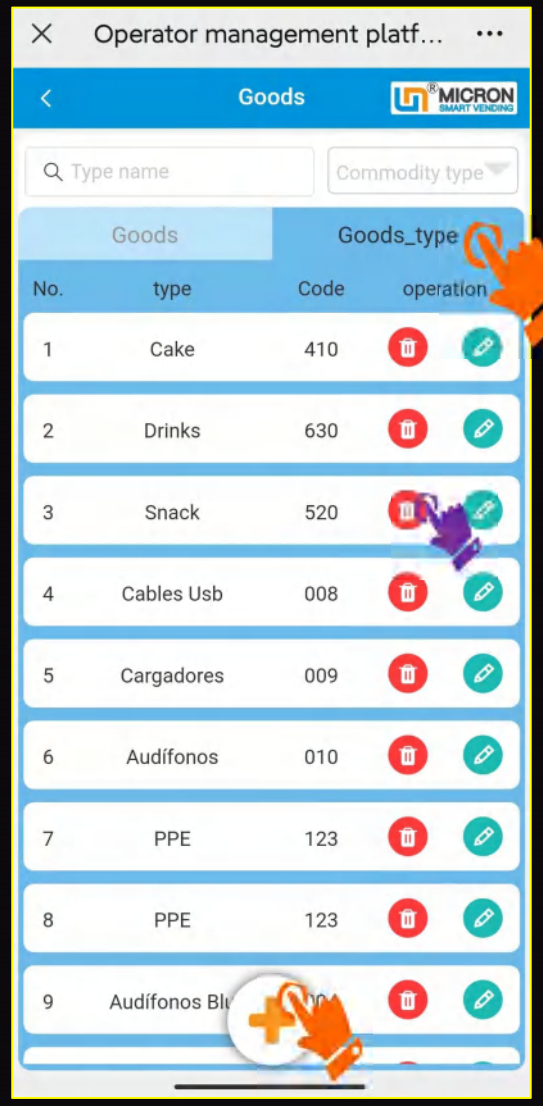
Tips:

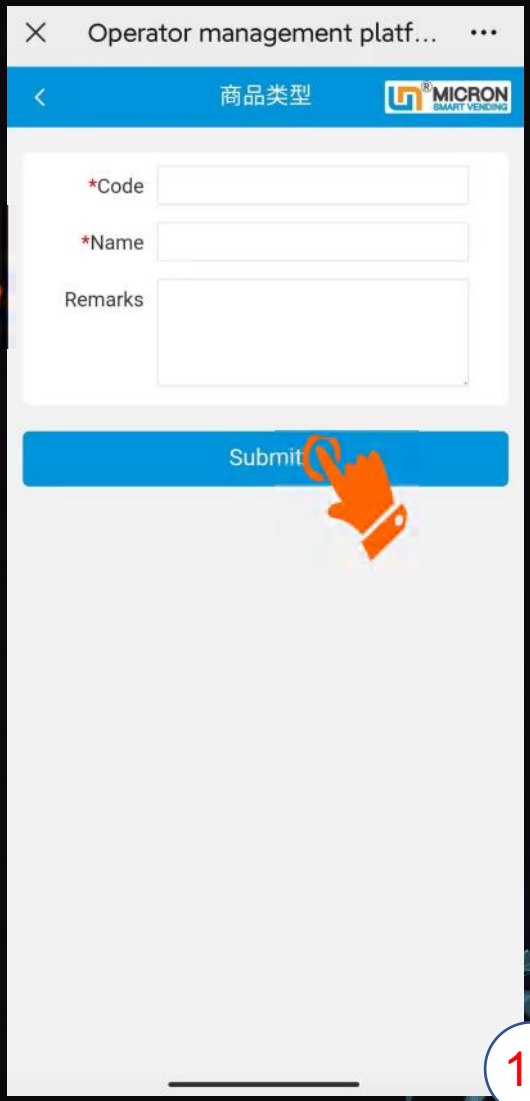
This module, you can decide to set it or not, it is not a MUST.

※ Goods type:

In order to well manage your products, suggest you classify your selling products into some categories, such as snacks, drinks, fruits, vegetables... You can Edit/Delete them freely.







Part III: Product setup

2. Weight Calibration

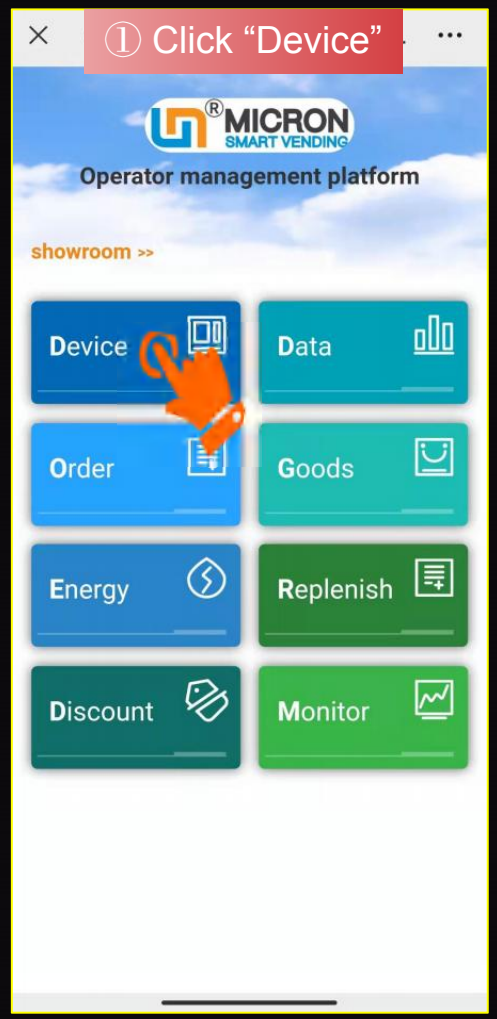
This step is VERY IMPORTANT, as the machine is working based on Weight.

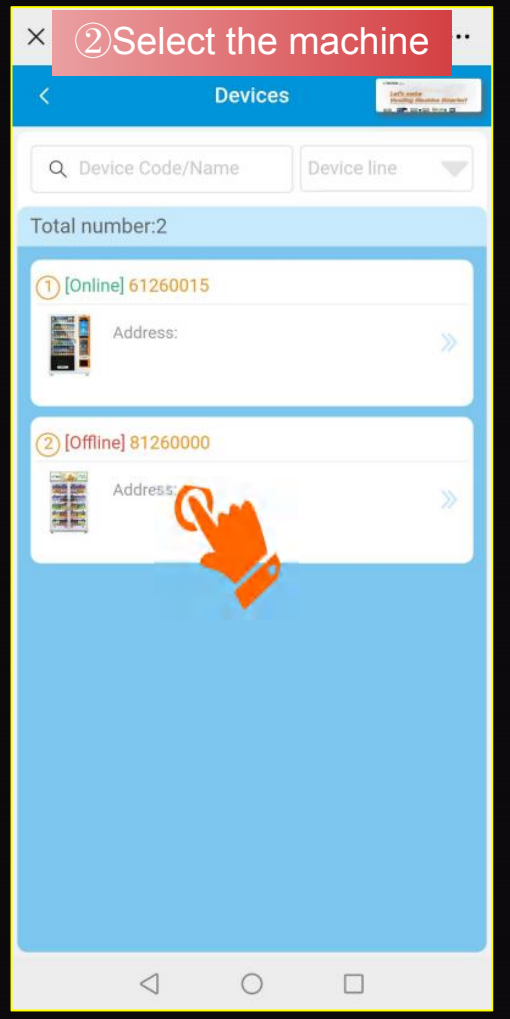
Do Calibration in these situations:

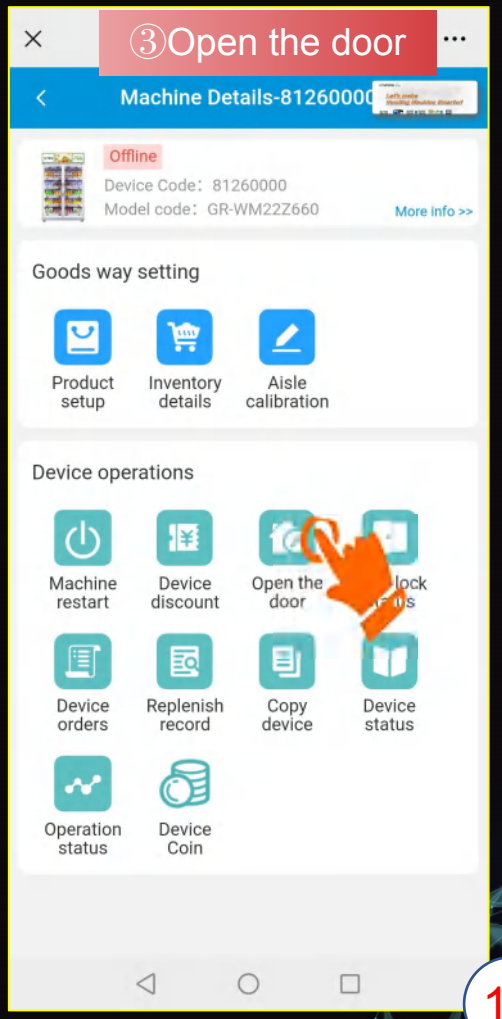
1. New machine;
2. When the machine has been transported;
3. During operation, need to calibrate every 30 days regularly;
4. During the purchase process, abnormal weight fluctuations are displayed on the machine screen;

https://www.youtube.com/watch?v=M9gsm_oi0WU

Open the door from Mobile management system







Part III: Product setup

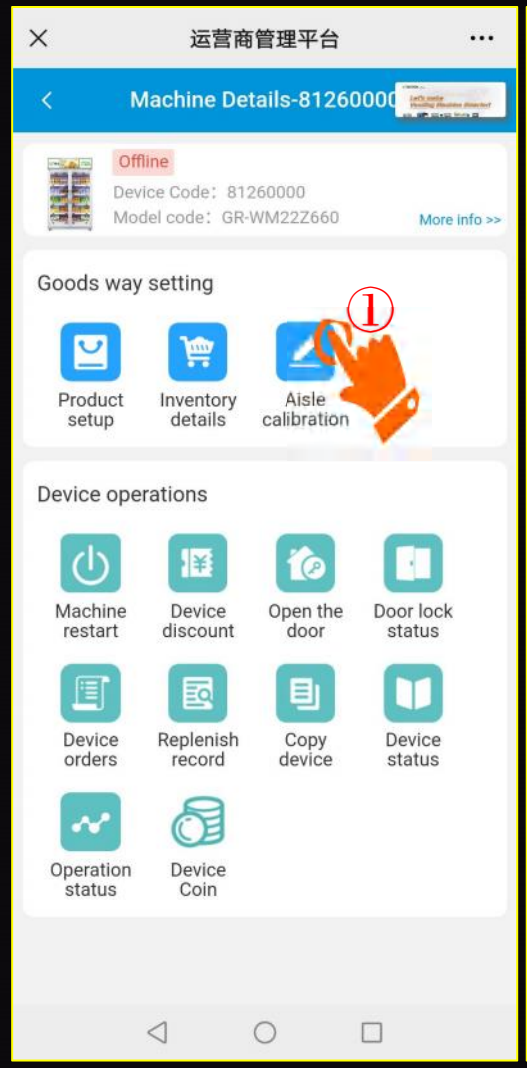
2. Weight Calibration

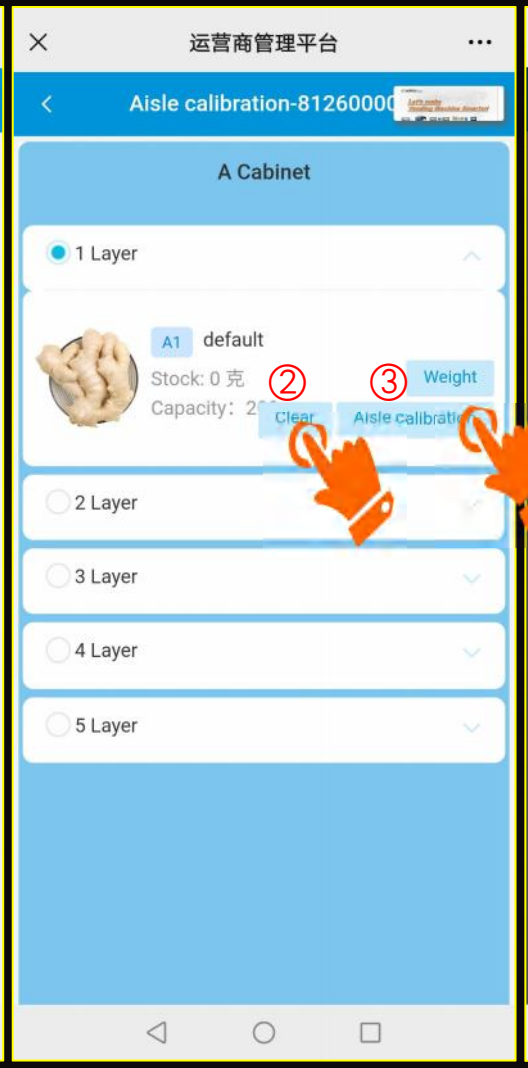
Do calibration from the machine + mobile system

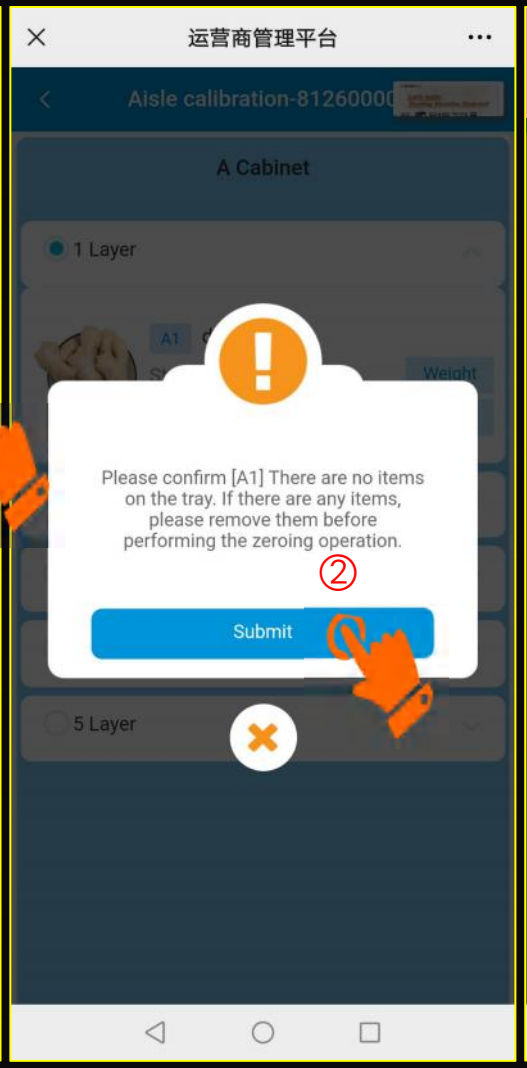
When door is open, it will show “restocking” on screen, follow the steps ①②③ for each goods tray.

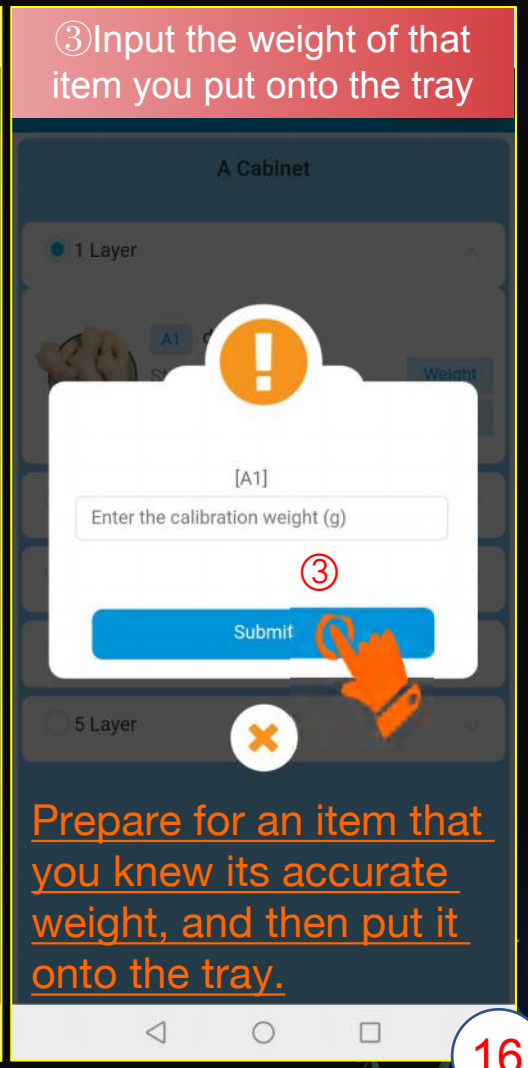
*Step② Remove all items from the goods trays before “clear”;

*Step③ Prepare for an item which you knew its weight, and put it onto the goods trays for doing calibration.









Part III: Product setup

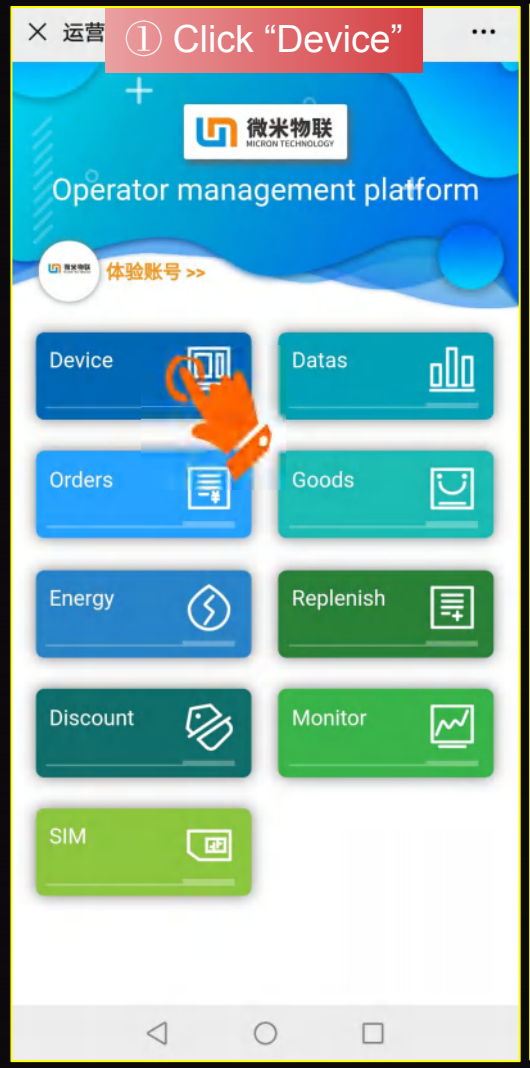
3. Fill the products to each goods tray

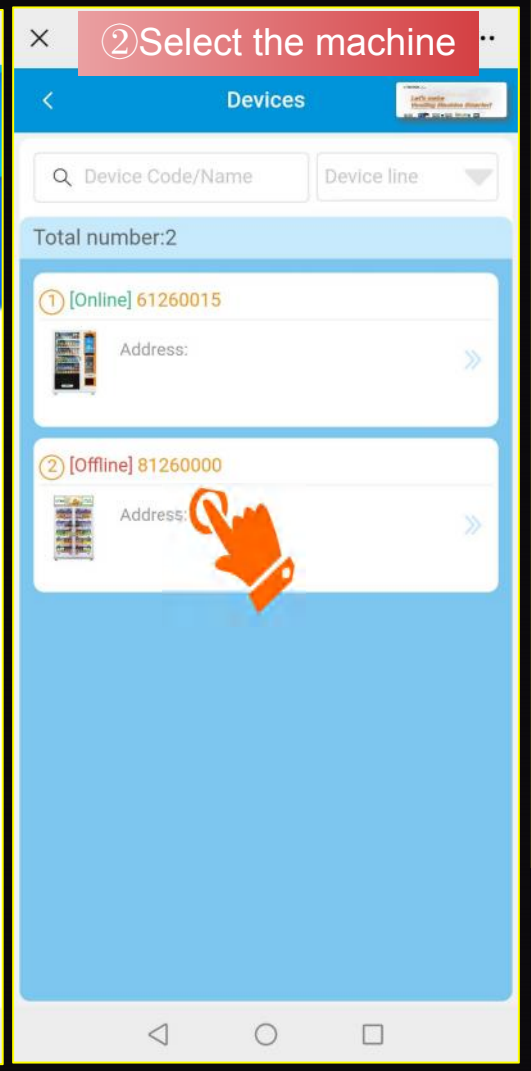
After Calibration is done, then you can put your products into the goods trays.

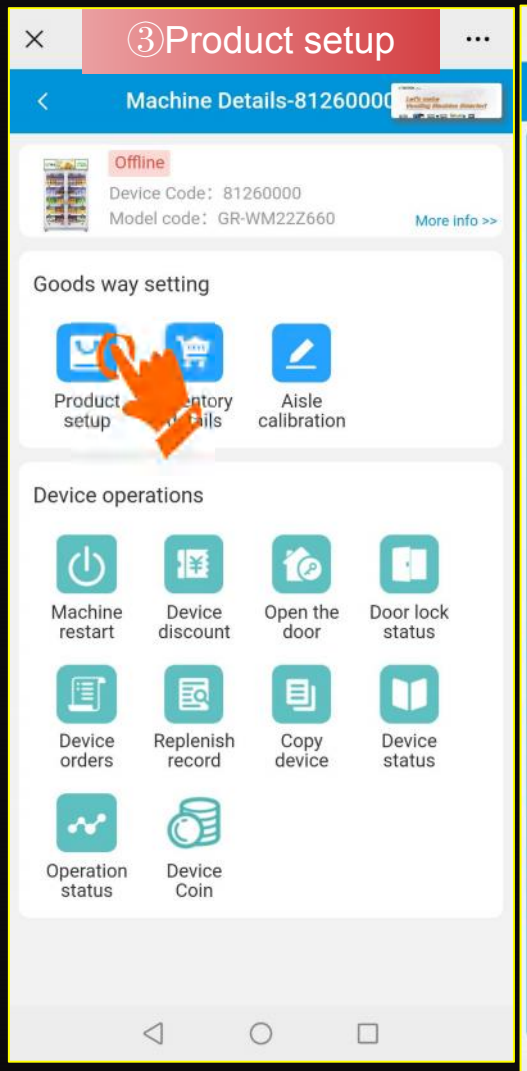
*Weight<40KG/tray

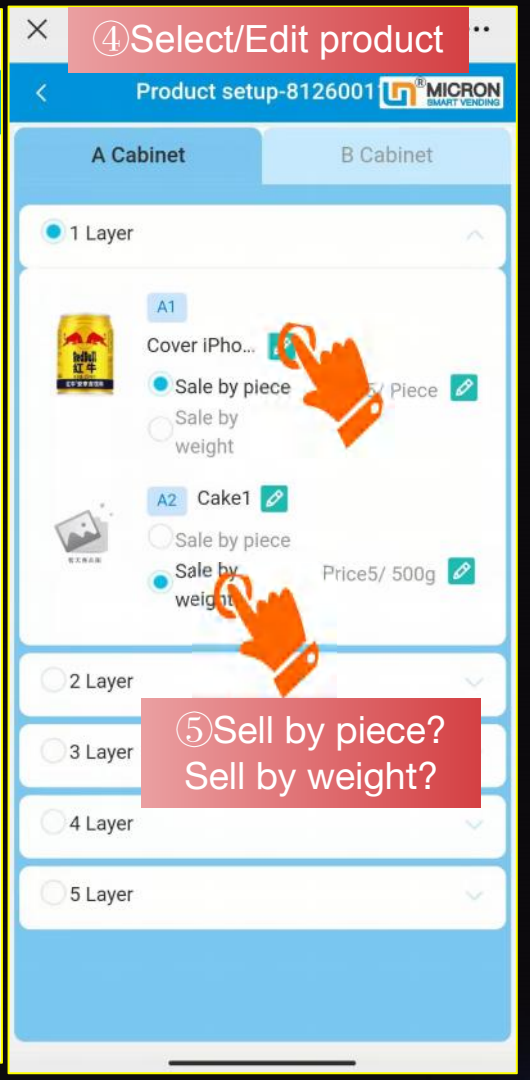
*Suggest NOT put different products into a same tray.

*Check the prices, they can be different from databas.









Select the products for each tray from the created Product database

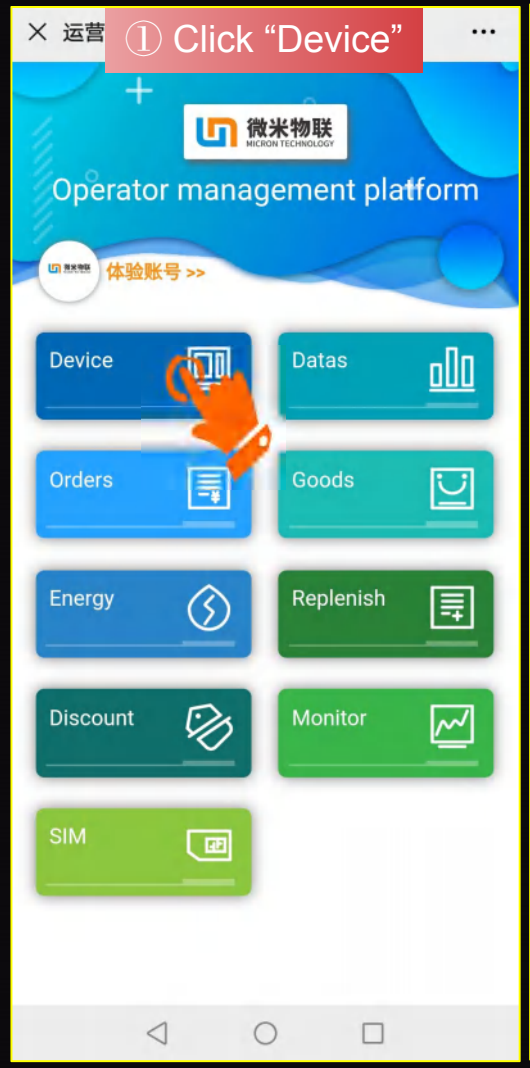
Part III: Product setup

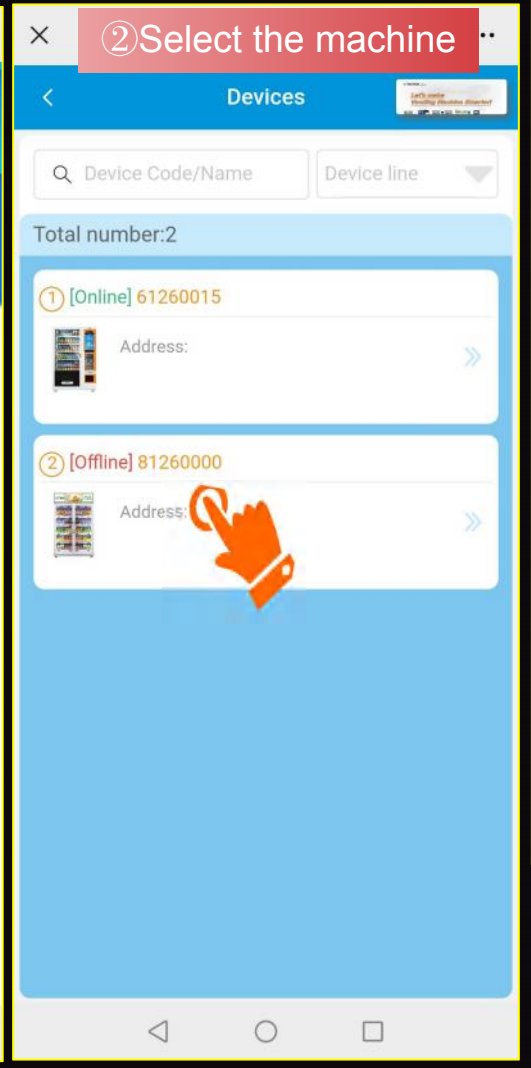
4. Balance the products

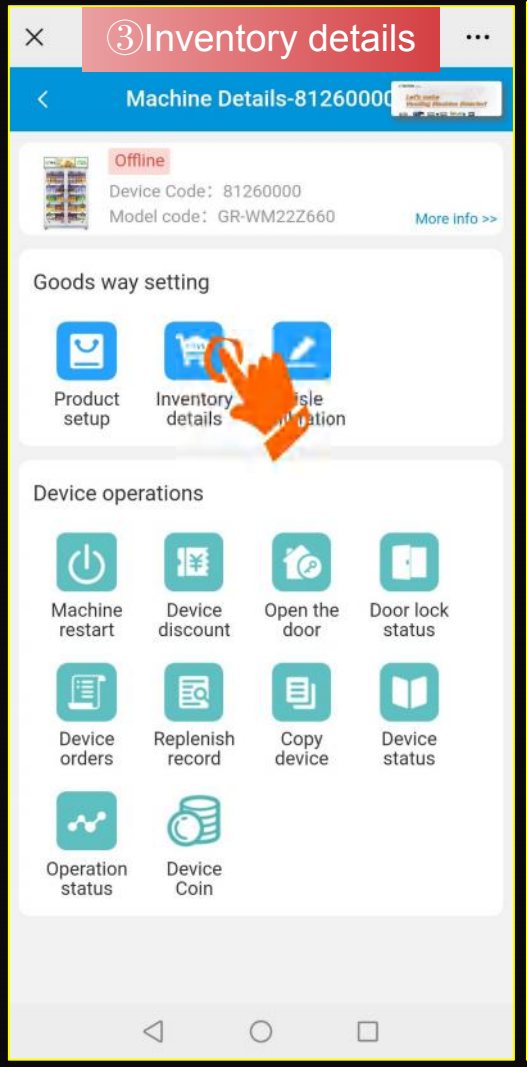
In future, during operation, if need to re-fill the goods, follow steps:

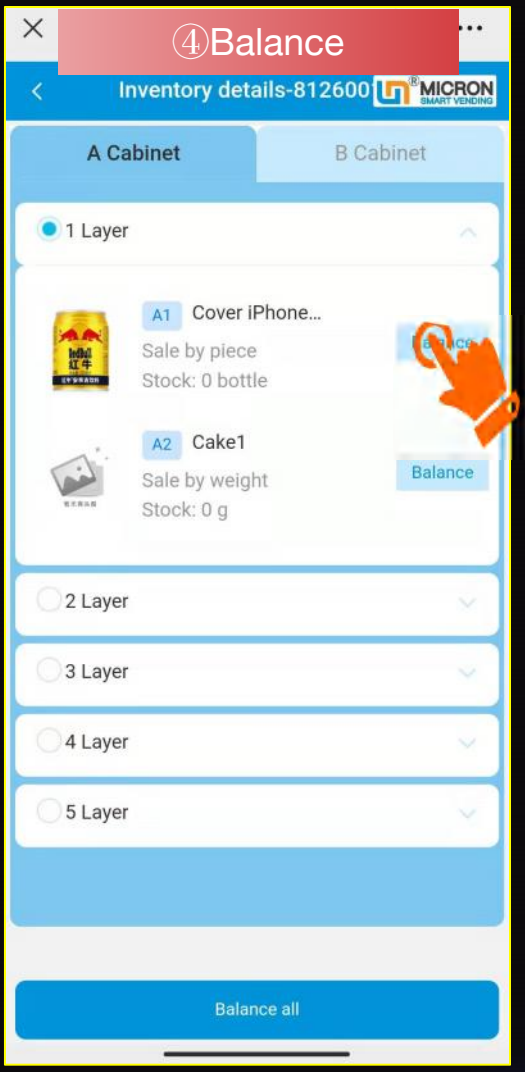
1. Open the door (from mobile system);
2. Fill the goods;
3. Balance

Remember, need to calibrate every 30 days regularly;









After click “Balance” you will see the stock of each product on the trays.

Part IV: Features dictionary

1. How to upload advertisement (PC system)

How to upload advertisements?

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

PC Smart system

Login Smart system with Computer：

https://operator.tech.weimi24.com

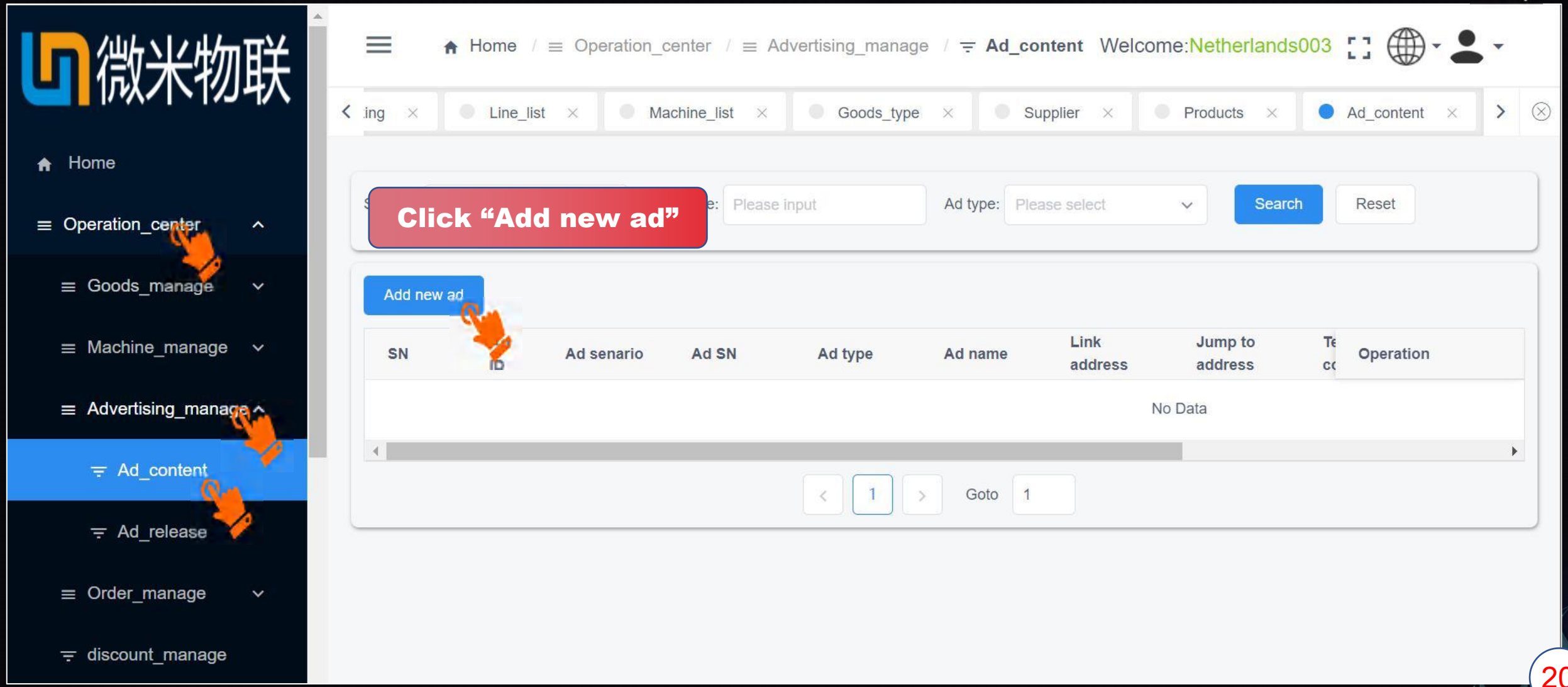
Login the system from your computer by User name/Password

Part IV: Features dictionary

1. How to upload advertisement (PC system)

How to upload advertisements?

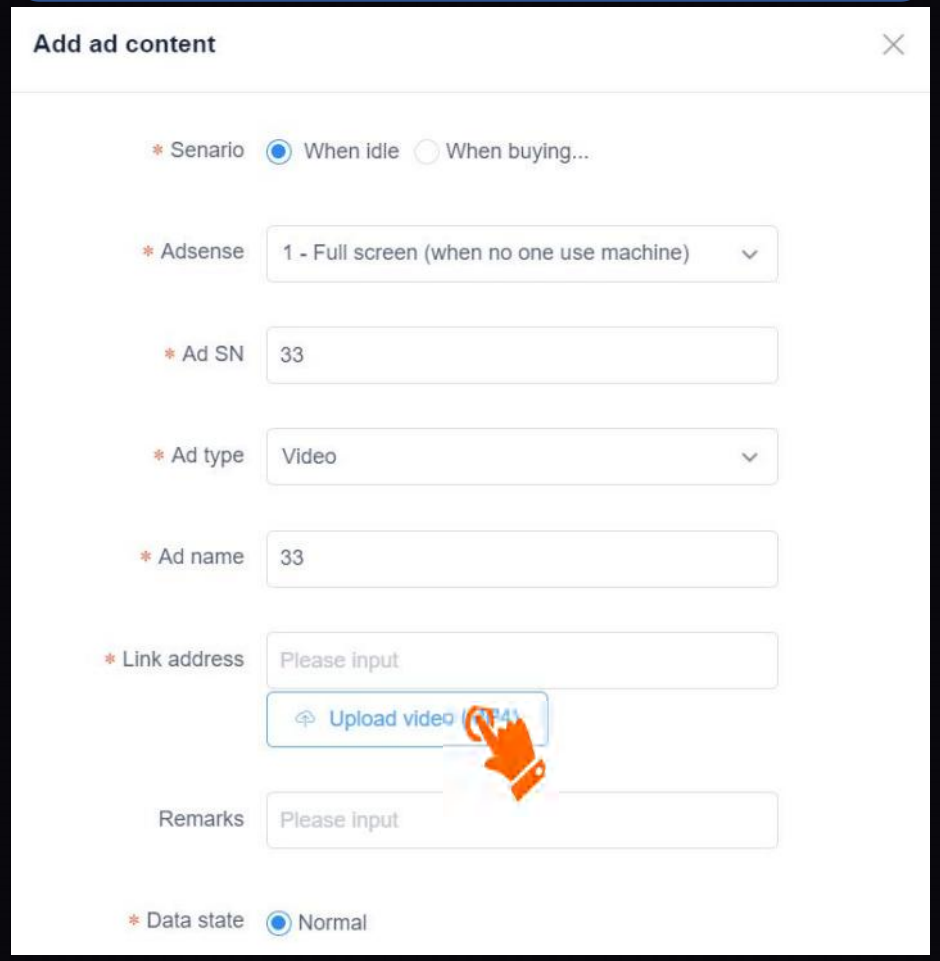
https://www.youtube.com/watch?v=BNJ49G07CmY



Part IV: Features dictionary

1. How to upload advertisement (PC system)

Fill Ad information
Upload advertisement to the system



Uploaded advertisement should be:

※ Video (<20MB/video)

※ Photo(<2MB/photo)

※ Words

Advertisement can be

※ Full screen (when no body buying)

※ Half screen (product selecting page)

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

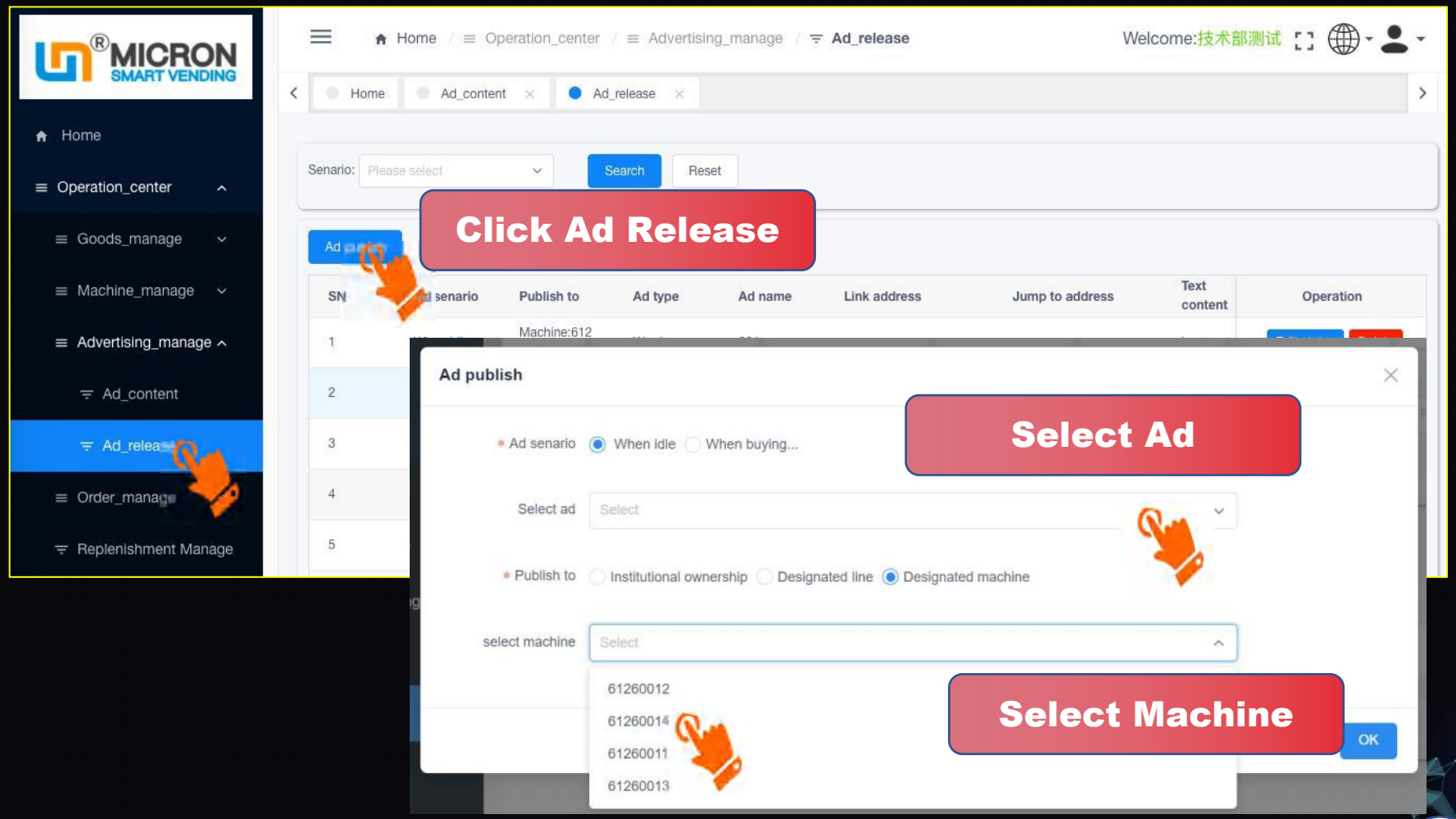
Part IV: Features dictionary

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

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

Upload logo and service tel

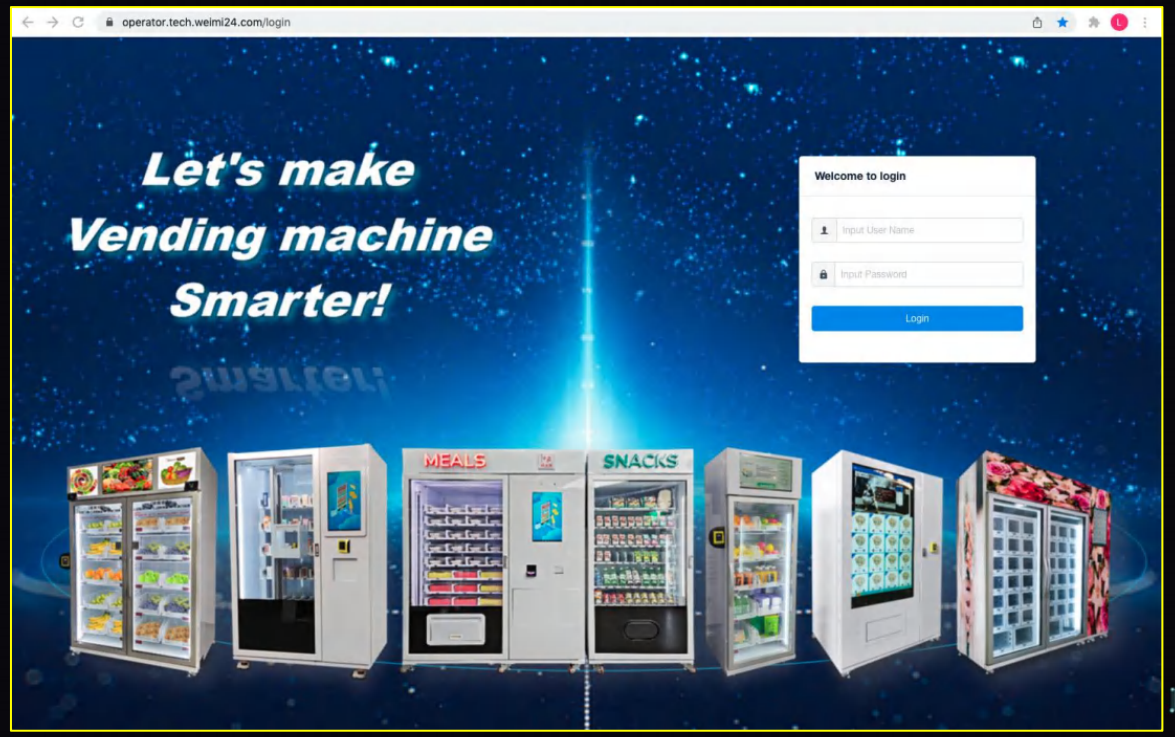
https://www.youtube.com/watch?v=W6jyQSCwHqI&list=PLybk6qby1fLV4A5jbd9gYs5VI9DjXMCMy&index=8

PC Smart system

Input User name and password

Login Smart system with Computer：

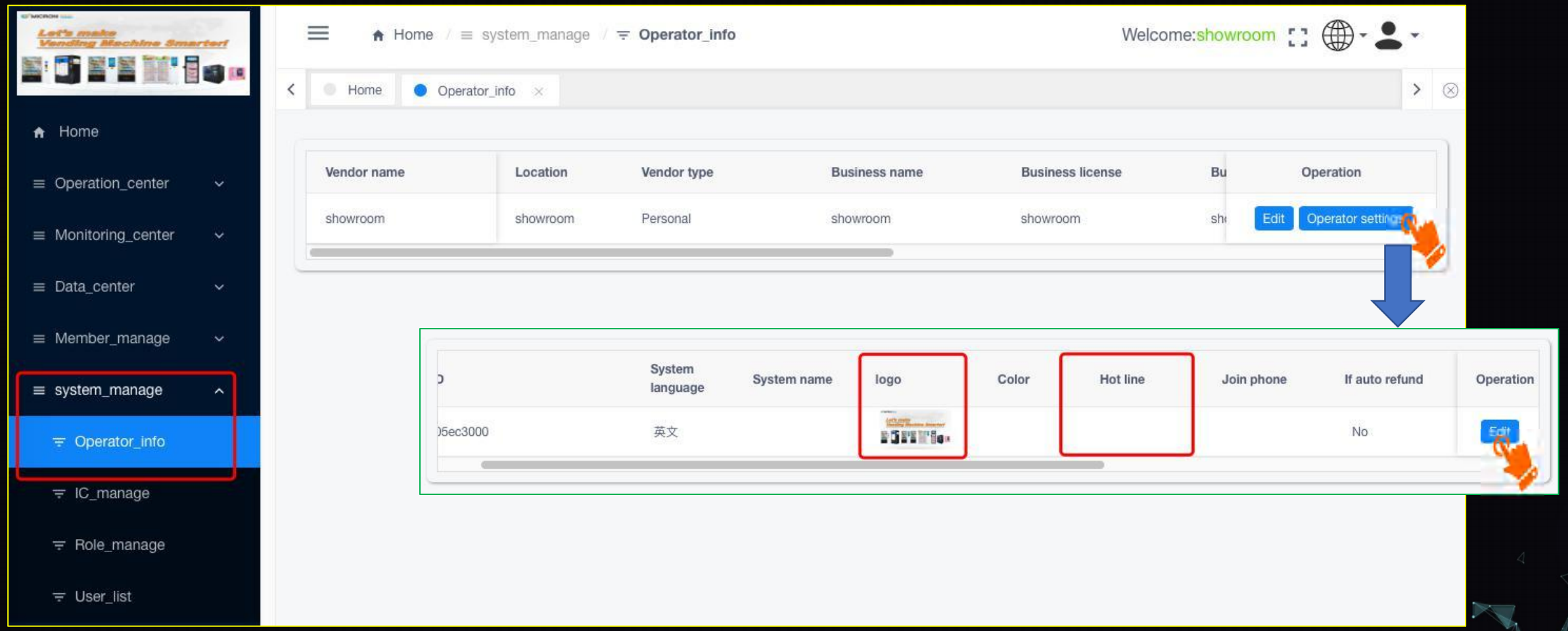
https://operator.tech.weimi24.com



Part IV: Features dictionary

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

Upload logo image and input service tel



Part IV: Features dictionary

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

Upload logo and service tel

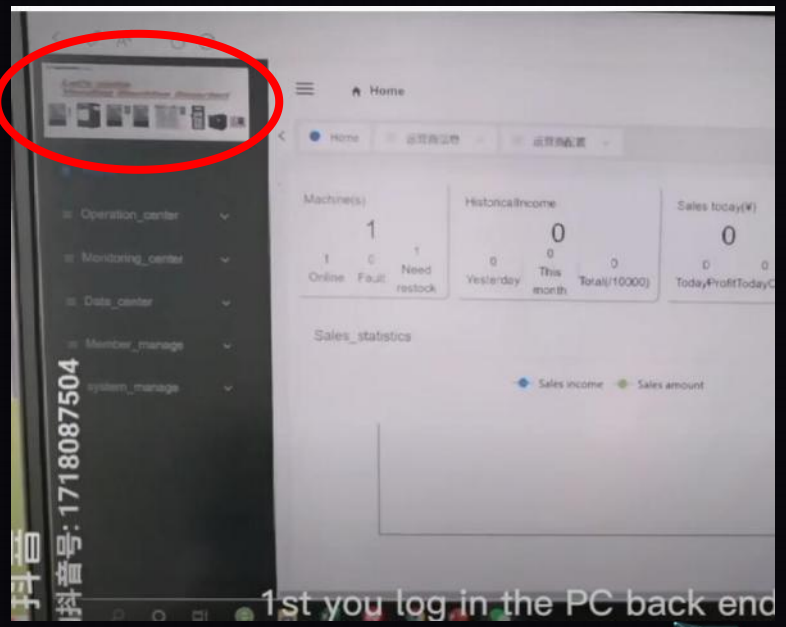
https://www.youtube.com/watch?v=W6jyQSCwHqI&list=PLybk6qby1fLV4A5jbd9gYs5VI9DjXMCMy&index=8

You can change below logo to yours.

Logo on machine screen left top

Logo at mobile server

Logo at PC server



Part IV: Features dictionary

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

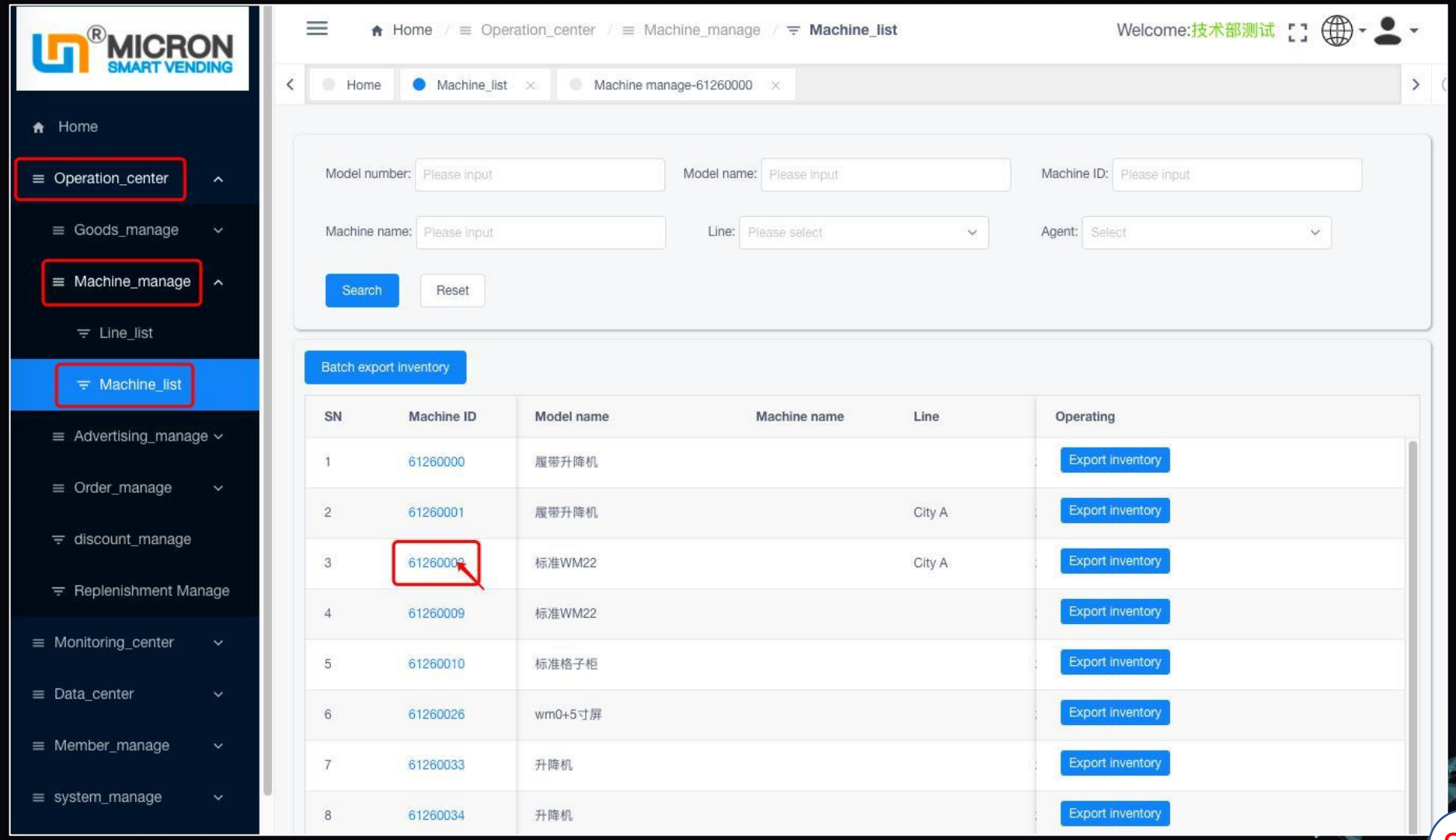
3. How to edit machine info. (PC system)

※ 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.



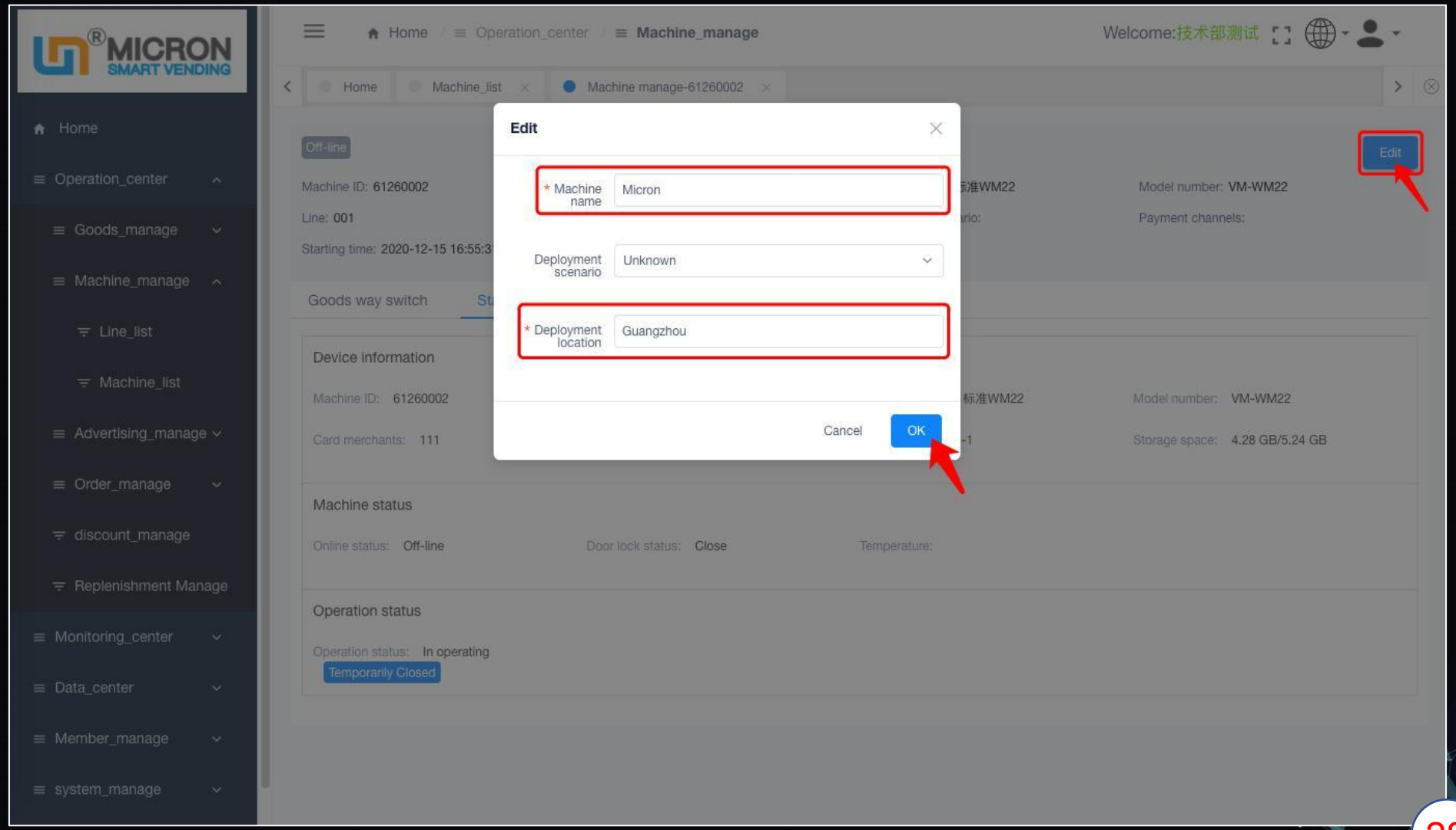
Part IV: Features dictionary

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

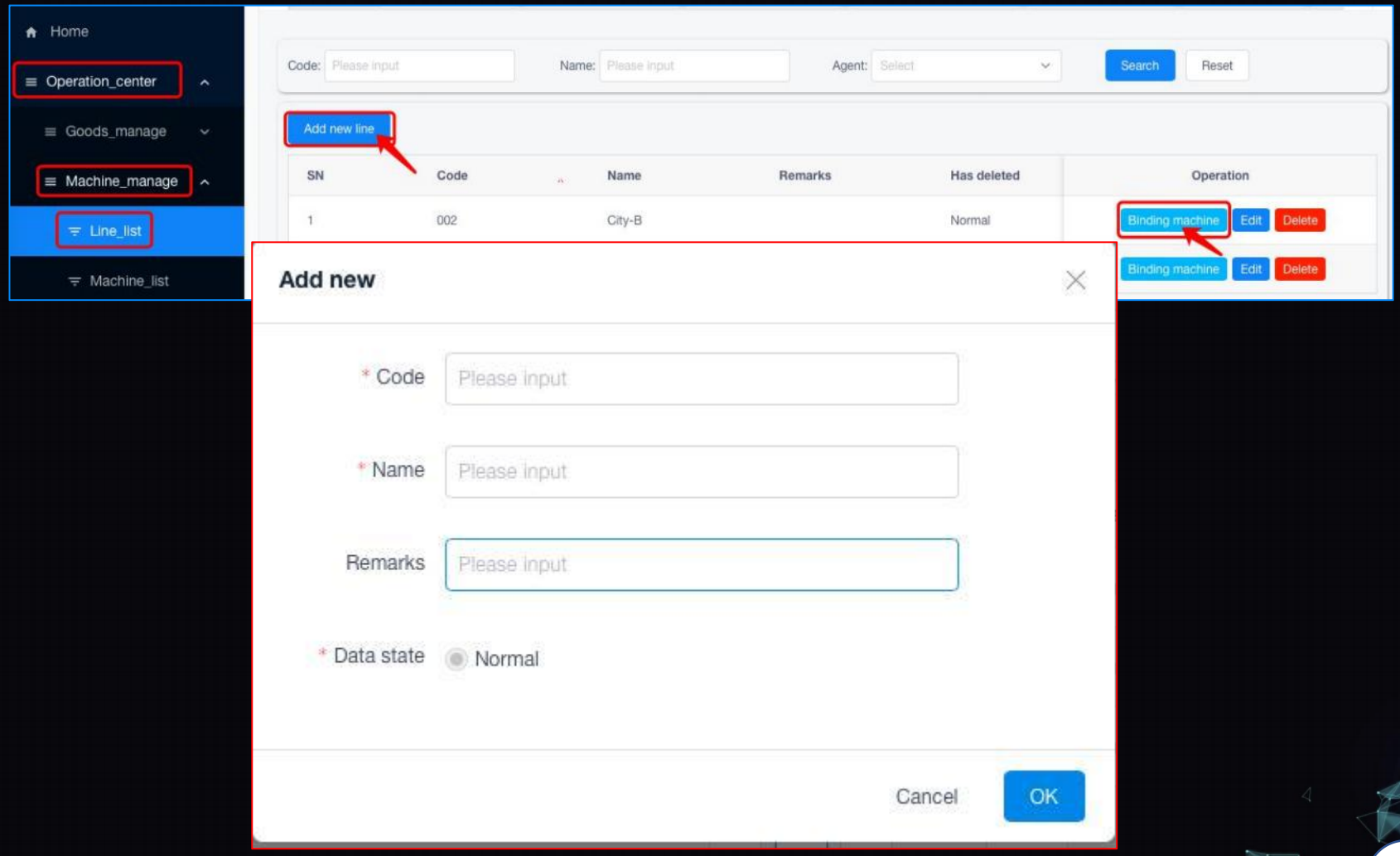
※ 1. Create lines

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

※ 2. Create Role

System manage --->

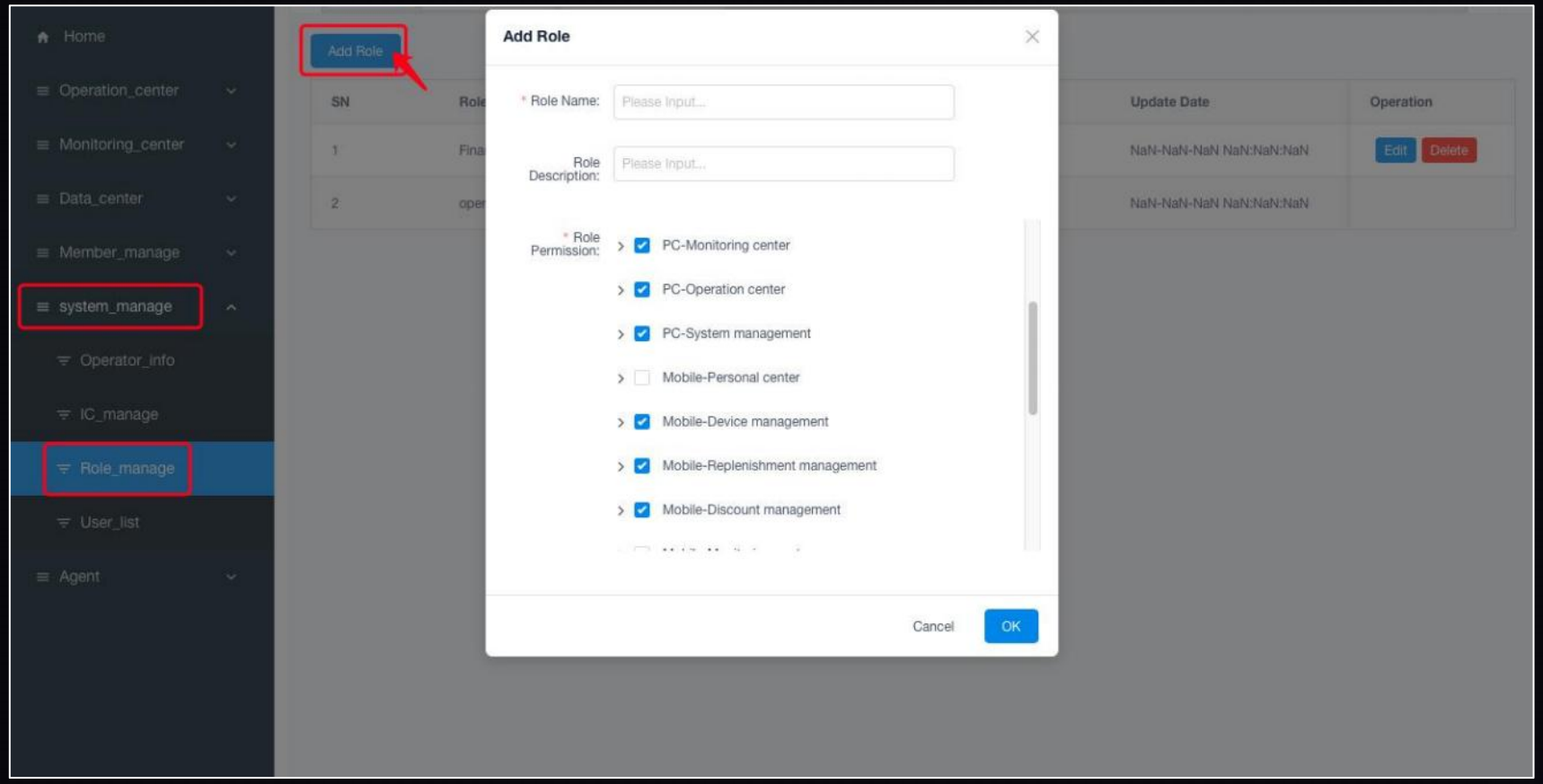
Role manage --->

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

※ 3. Add new user

System manage --->

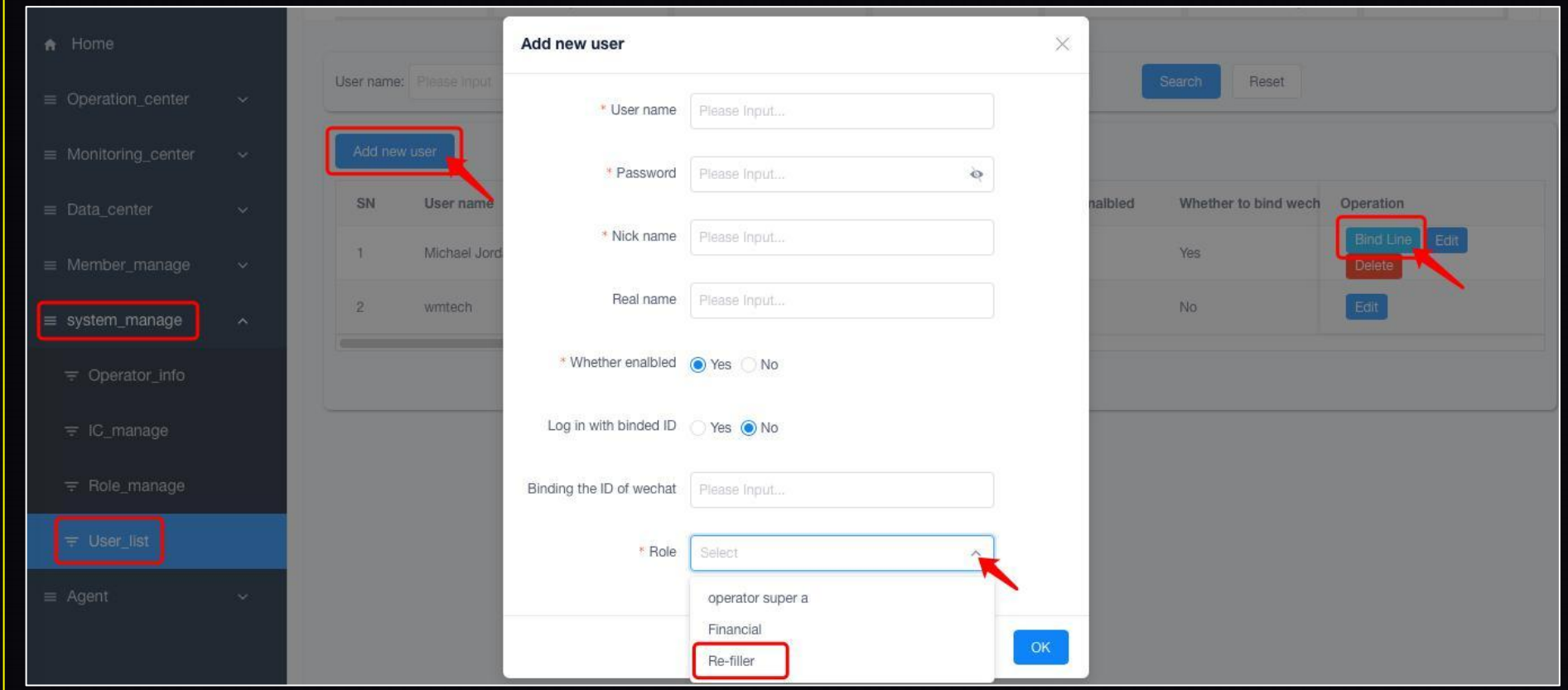
User list --->

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

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

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

3 Steps as follow:

Agent --->

Agent management

※ 1. Add agent

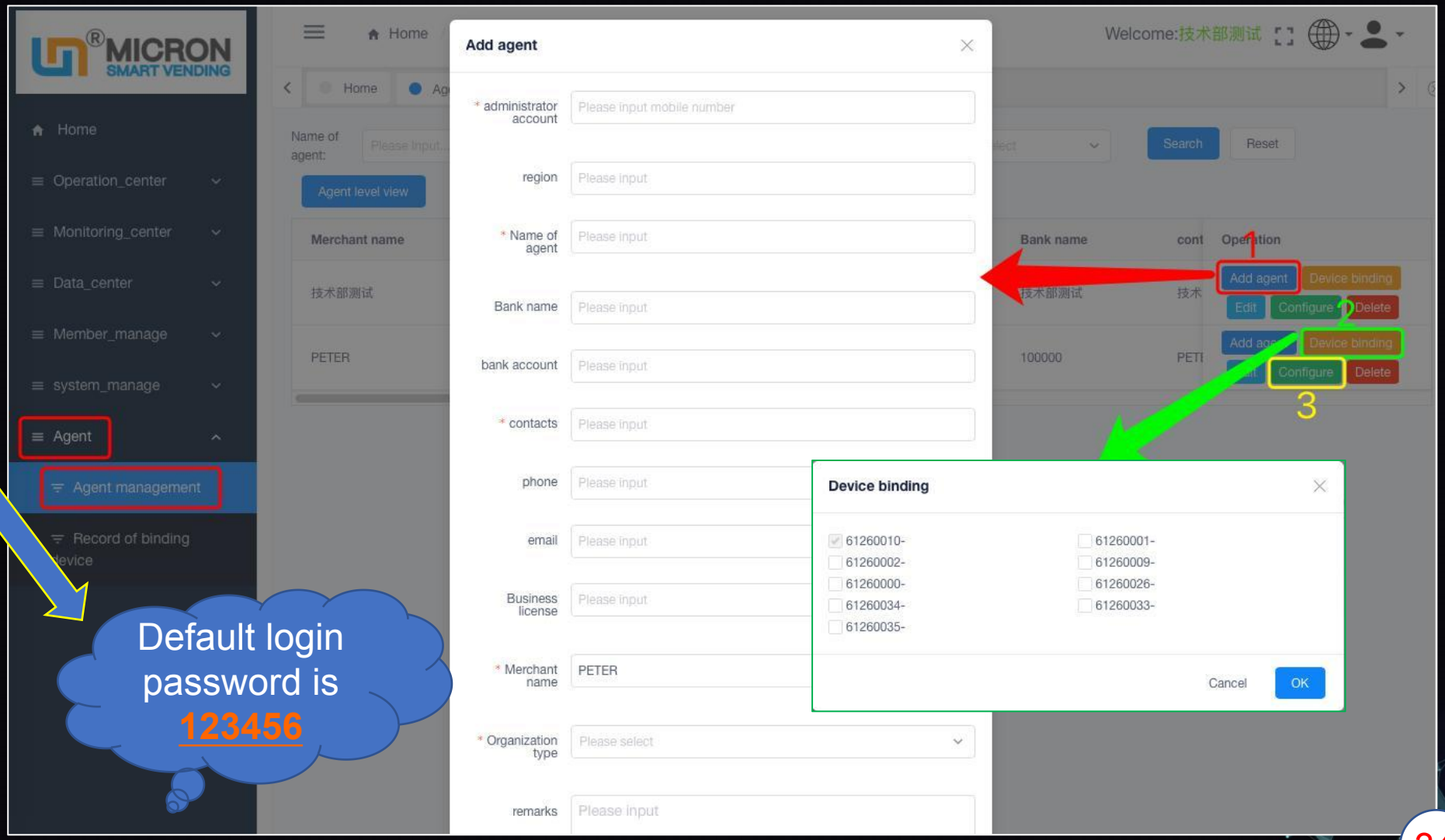
Under your account, you can create sub accounts for all your customers.

※ 2. Device binding

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

※ 3. Configure

Do some basic settings...



Part IV: Features dictionary

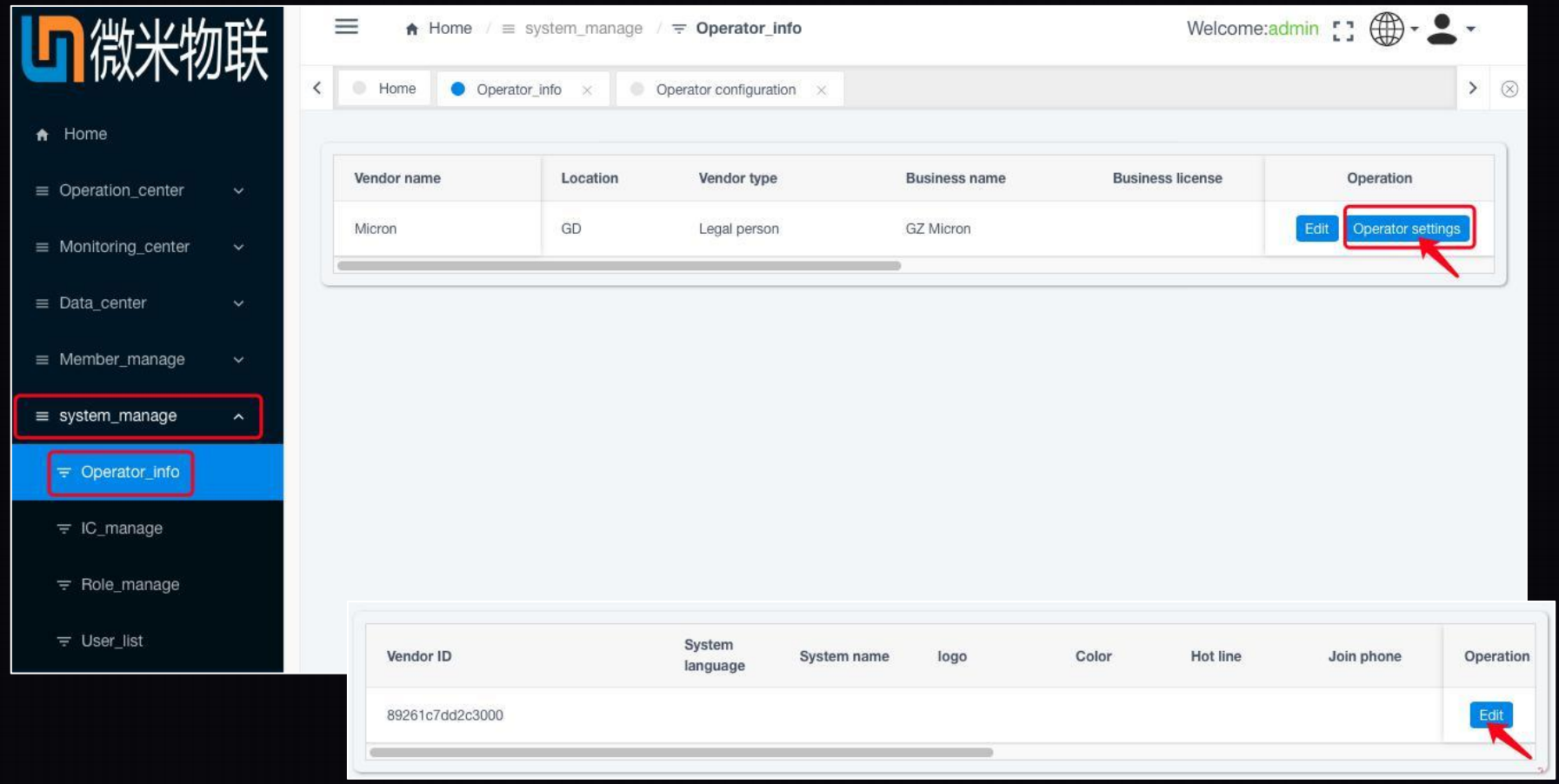
5. How to set sub account for your customers (PC system)

※ 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

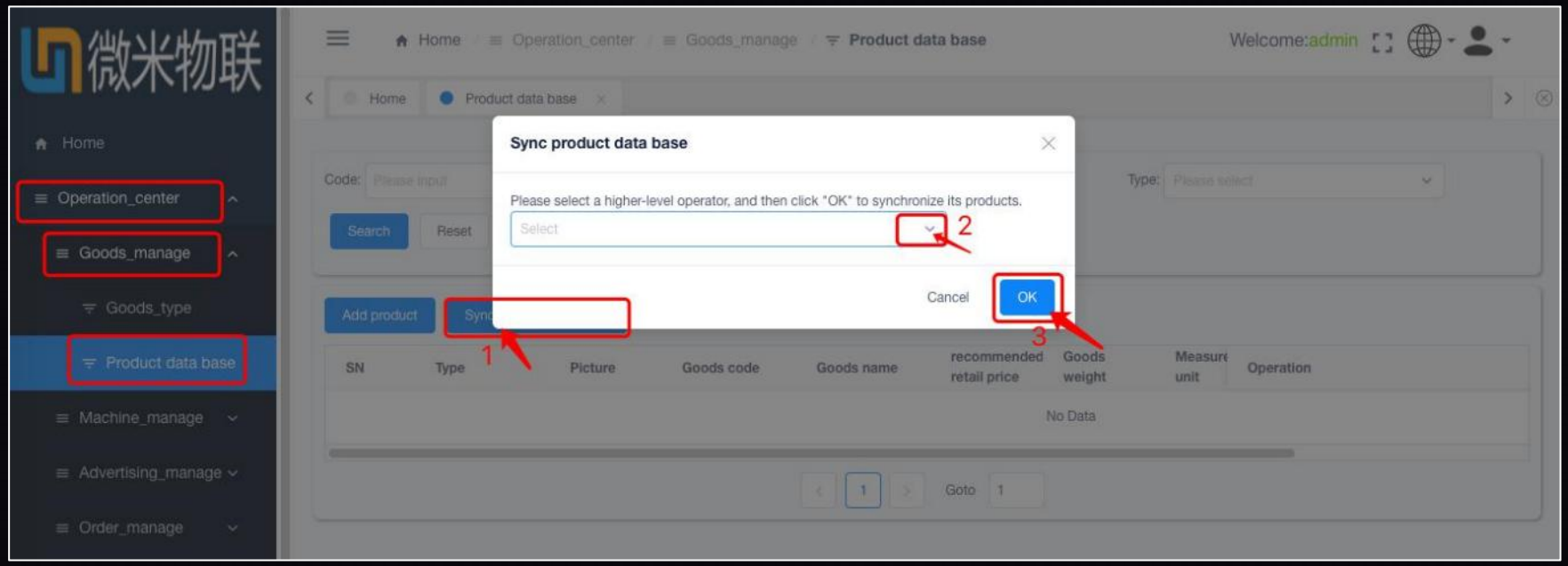
5. How to set sub account for your customers (PC system)

※ 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:

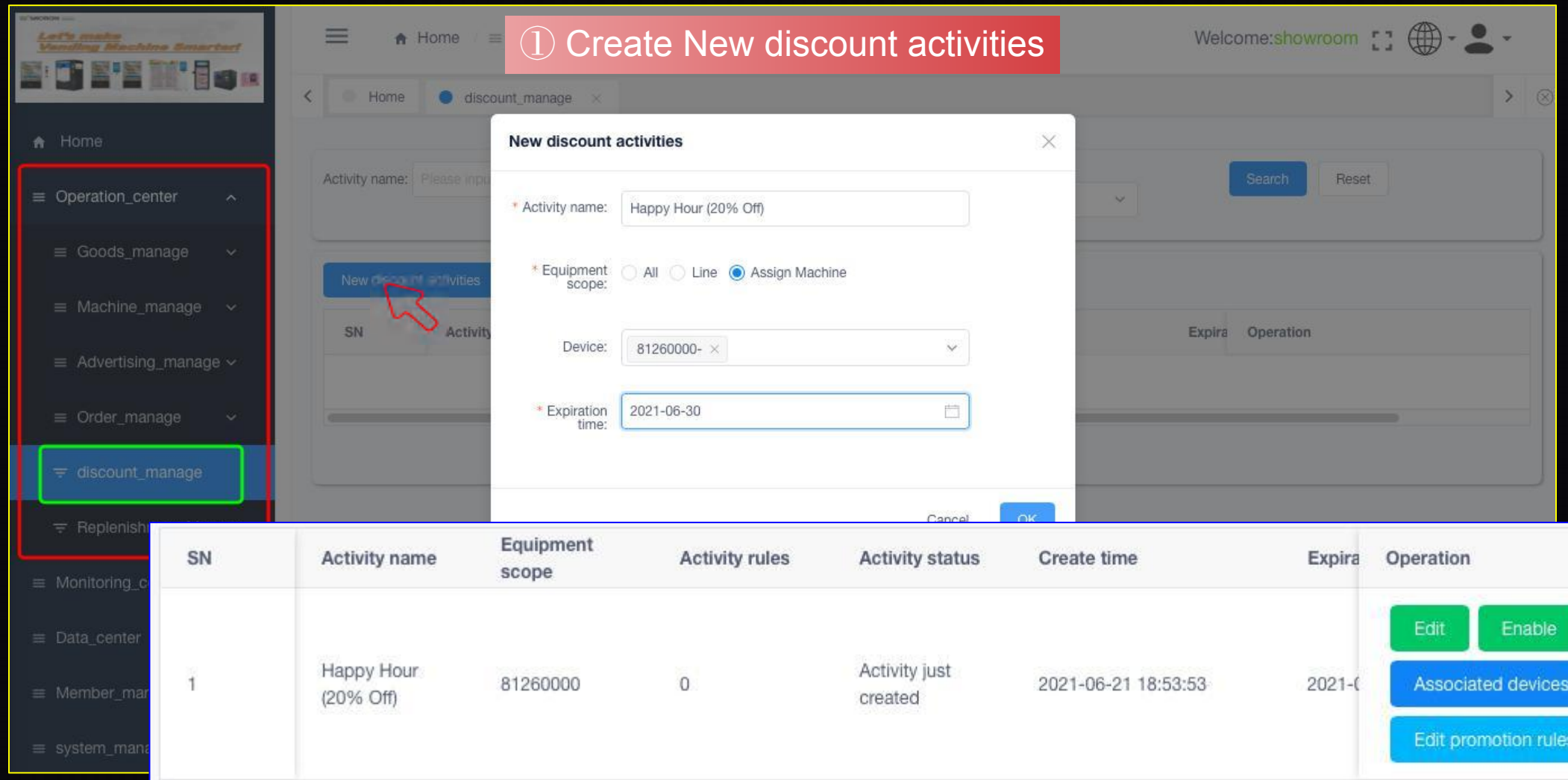
① Sub account can synchronize the product data base from a high-level operator only. It is not applicable in reverse.

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

6. How to set up Discount/Happy Hour (from PC system)

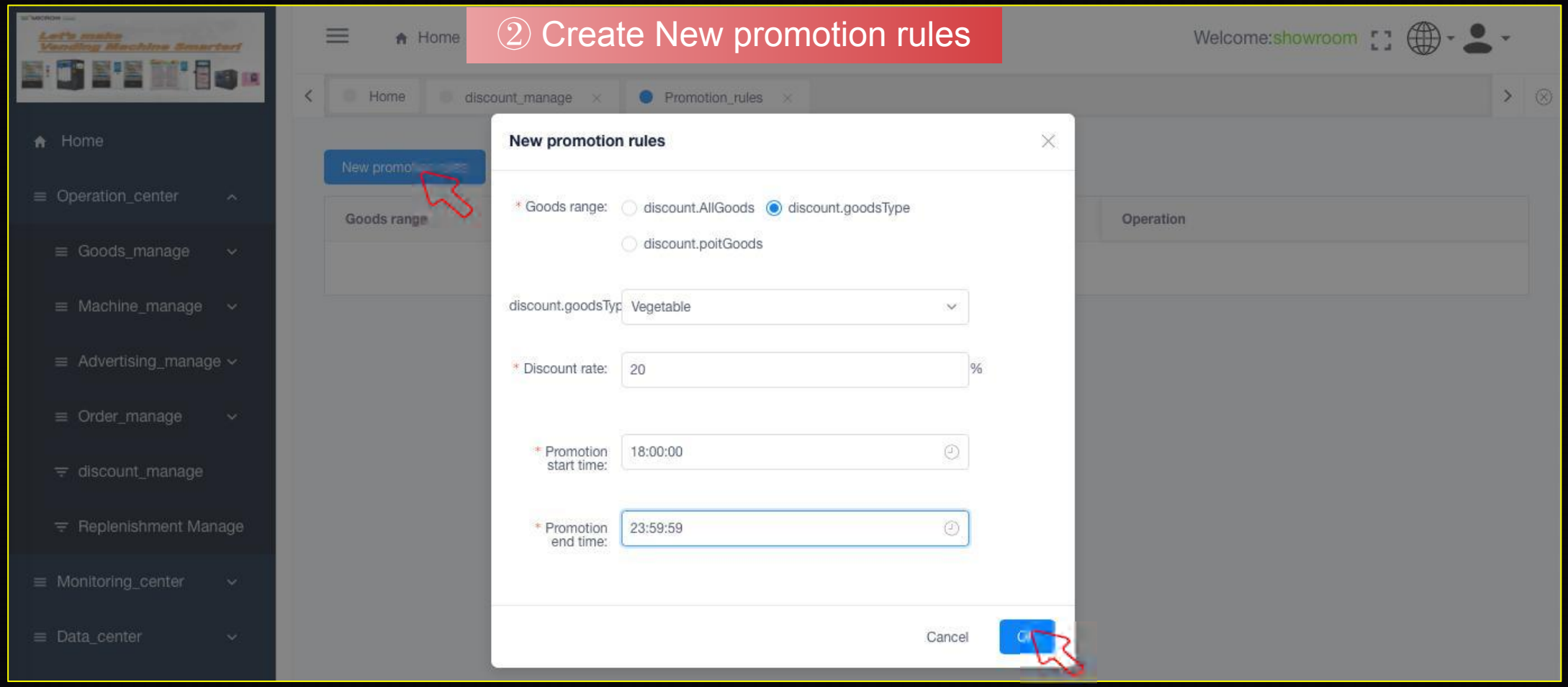
① Create New discount activities



SN	Activity name	Equipment scope	Activity rules	Activity status	Create time	Expira	Operation
1	Happy Hour (20% Off)	81260000	0	Activity just created	2021-06-21 18:53:53	2021-(	Edit Enable Delete Associated devices Edit promotion rules

Part IV: Features dictionary

6. How to set up Discount/Happy Hour (from PC system)



Part IV: Features dictionary

7. How to set product shelf life date (Expiration) & warning (from PC system)

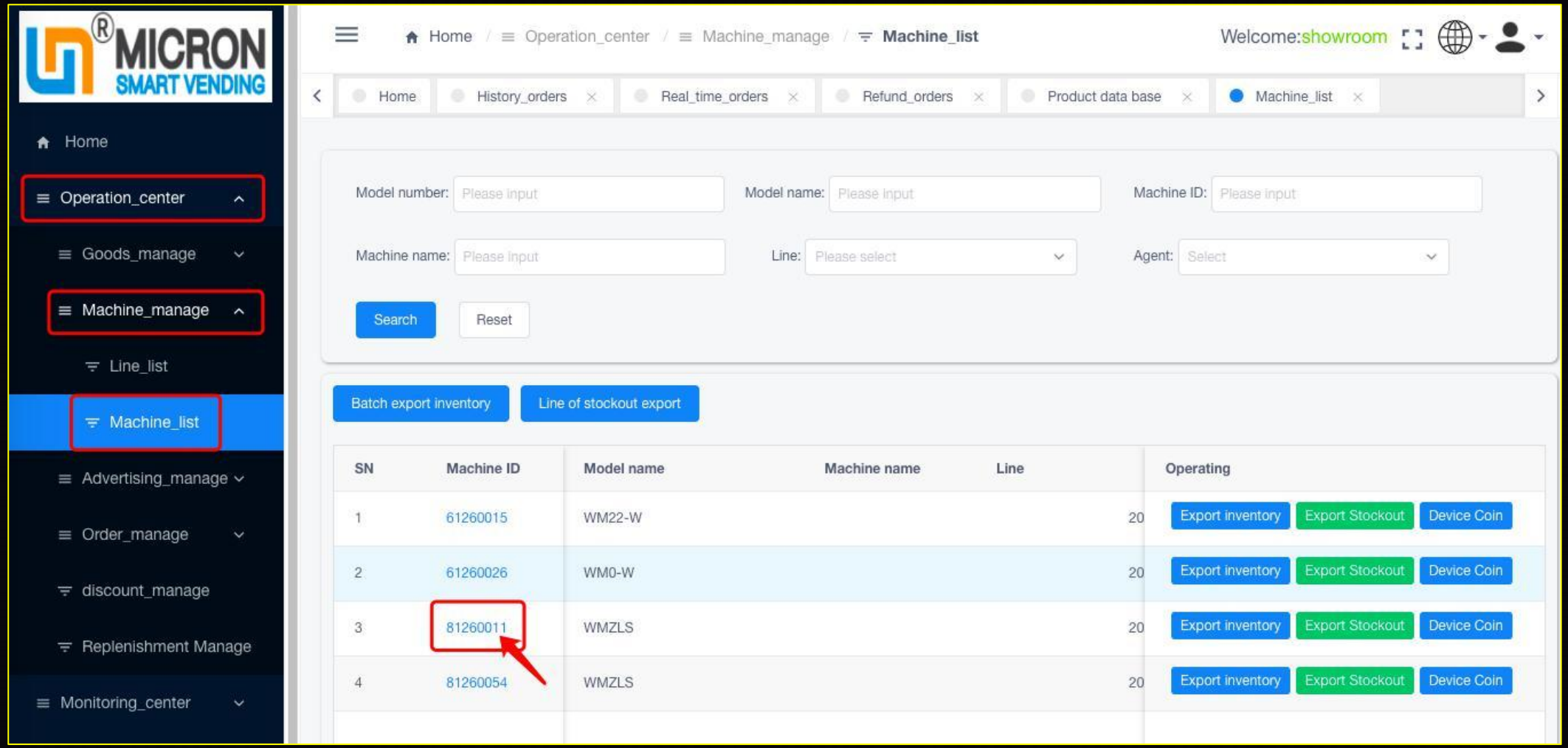
For those items (such as food) which shall be sold before a specific date, you can set the shelf life dates(Expiration) for the products when you put them to the shelf, and set warnings a few days before they expired.

Login the system from your computer by User name/Password

Part IV: Features dictionary

7. How to set product shelf life date (Expiration) & warning (from PC system)

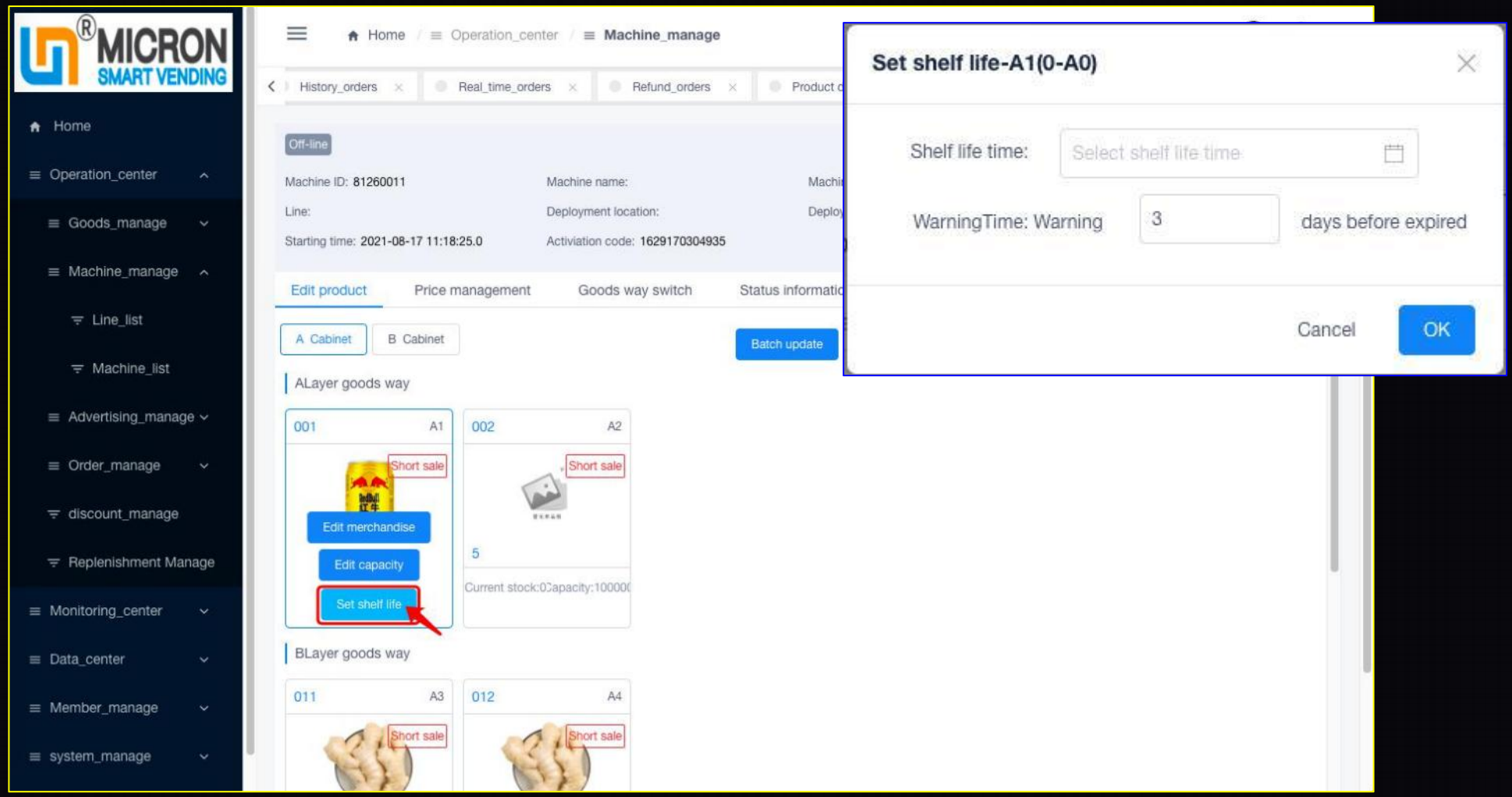
Operation center --> Machine manage --> Machine list, select the machine by the Machine ID



Part IV: Features dictionary

7. How to set product shelf life date (Expiration) & warning (from PC system)

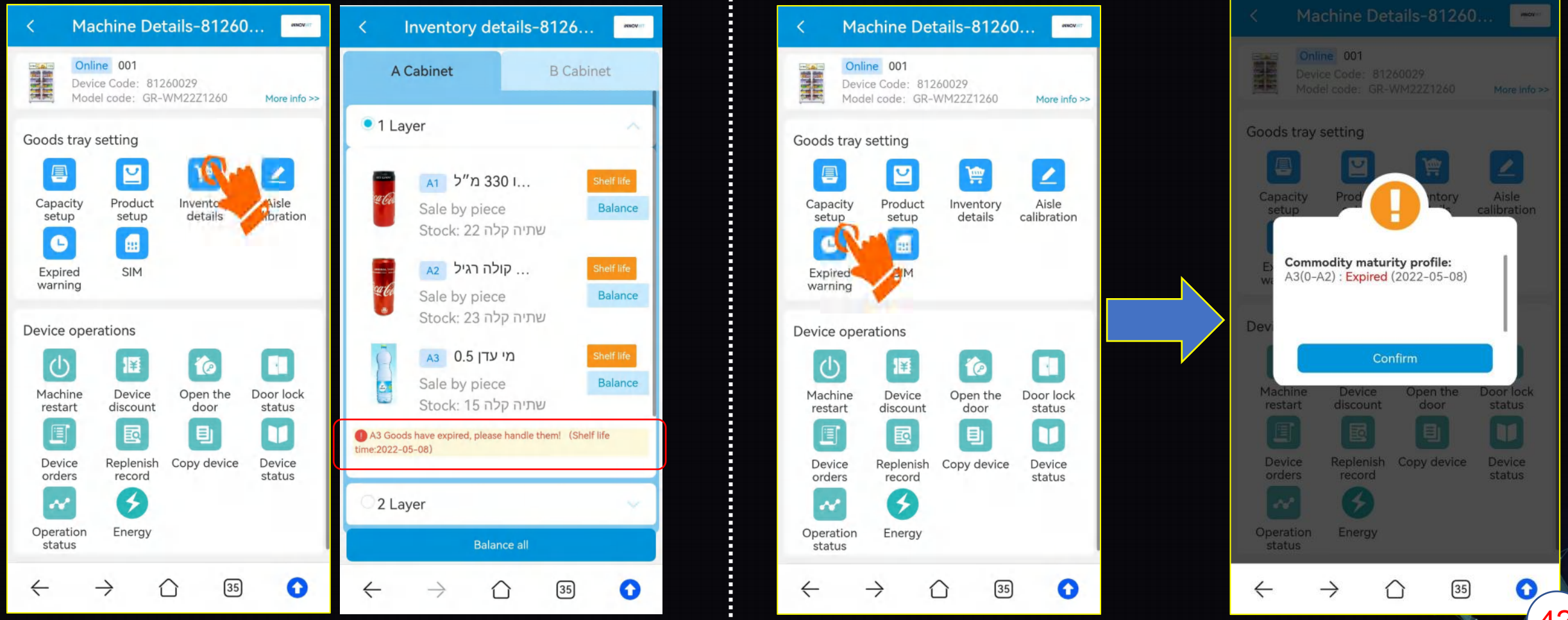
Put the mouse pointer onto the products, you will see “Set shelf life”, click to set it accordingly.



Part IV: Features dictionary

7. How to set product shelf life date (Expiration) & warning

After you set the dates, you will see the reminder from your mobile phone system as follow:



Part IV: Features dictionary

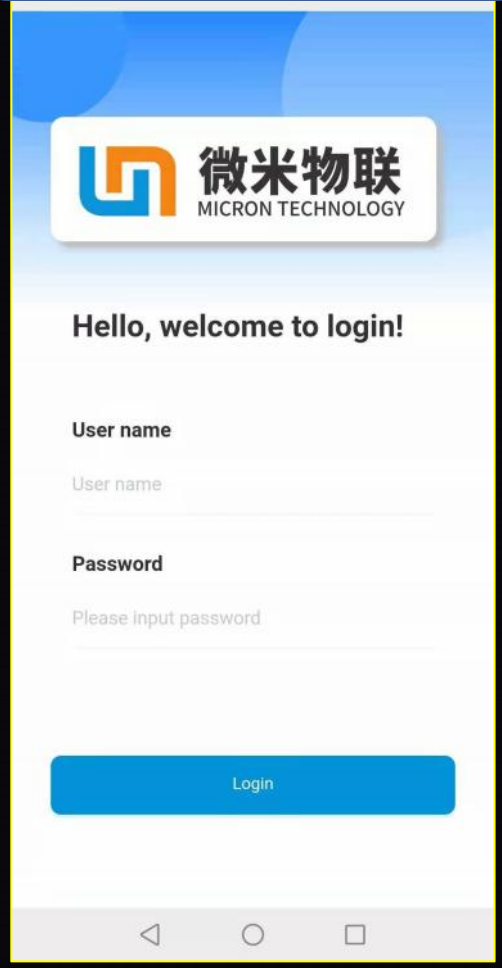
8. How to check real time inventory

Smart phone system

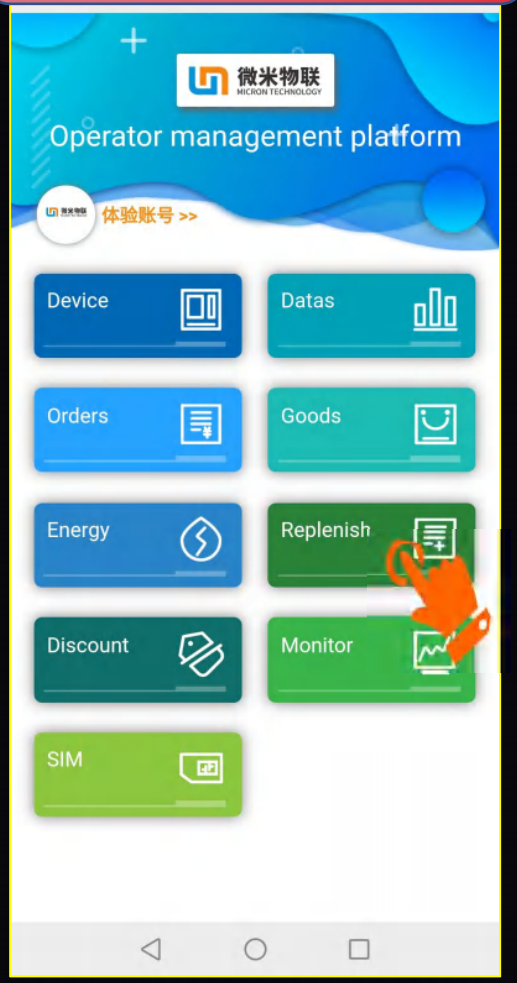
Login Smart system with phone

https://moperator.tech.weimi24.com

Input User name and password



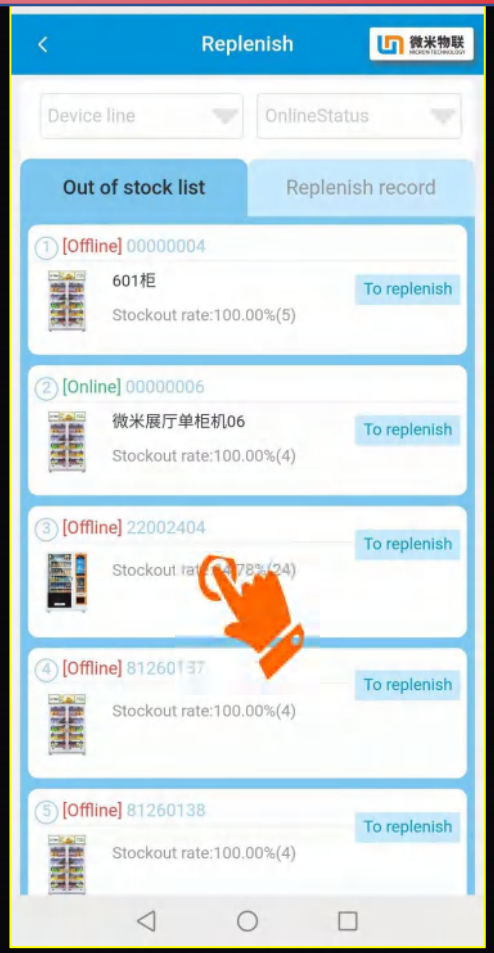
Click “Replenish”



Part IV: Features dictionary

8. 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

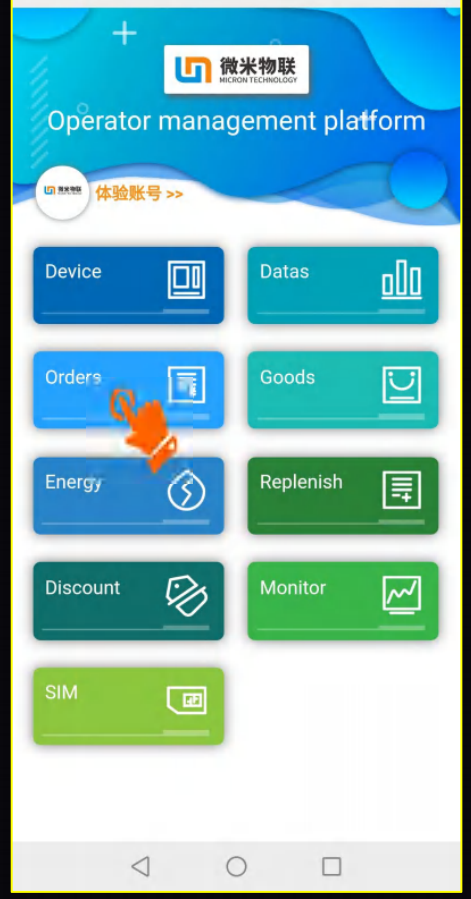
9. How to check Orders of all the machines

Smart phone system

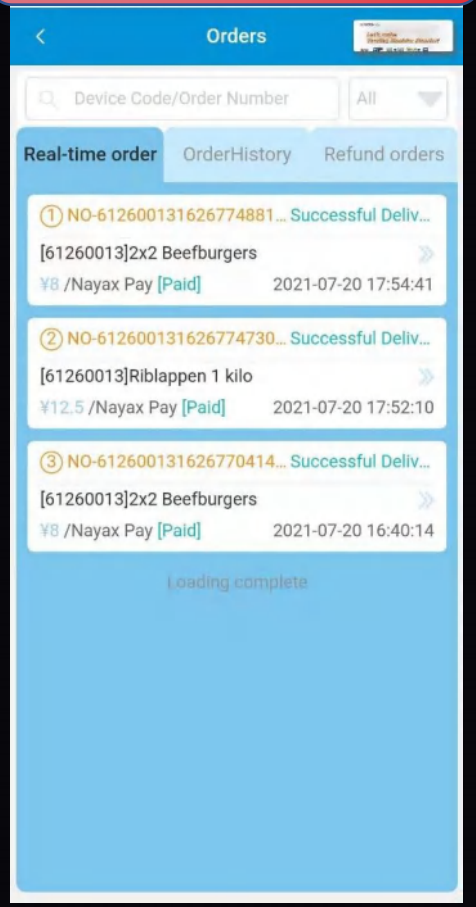
Login Smart system with phone

https://moperator.tech.weimi24.com

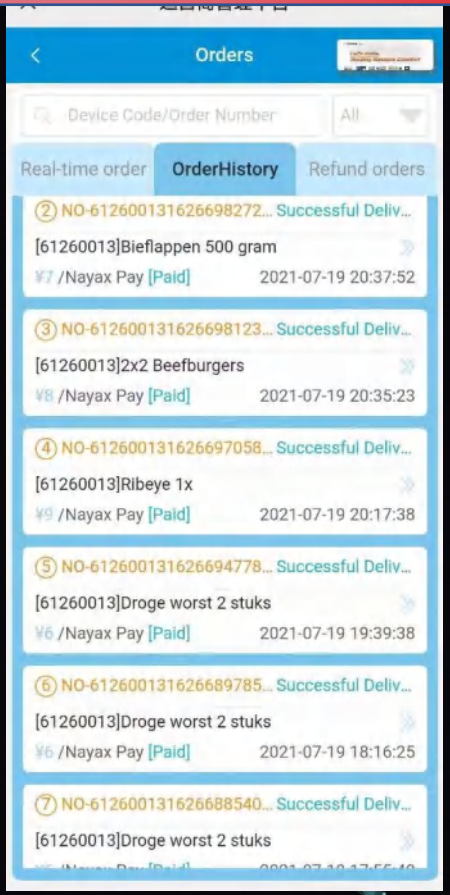
Click Orders



Can check today's order record



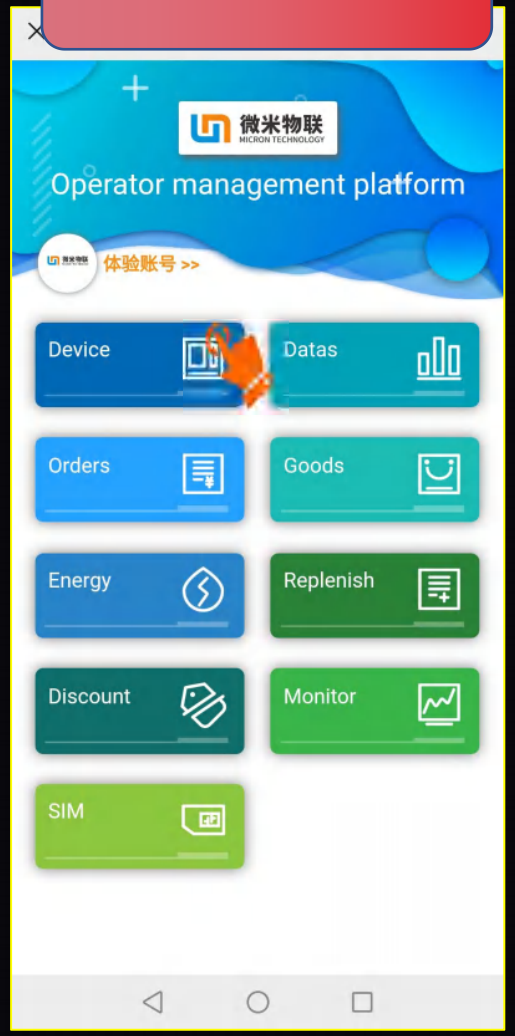
History order record



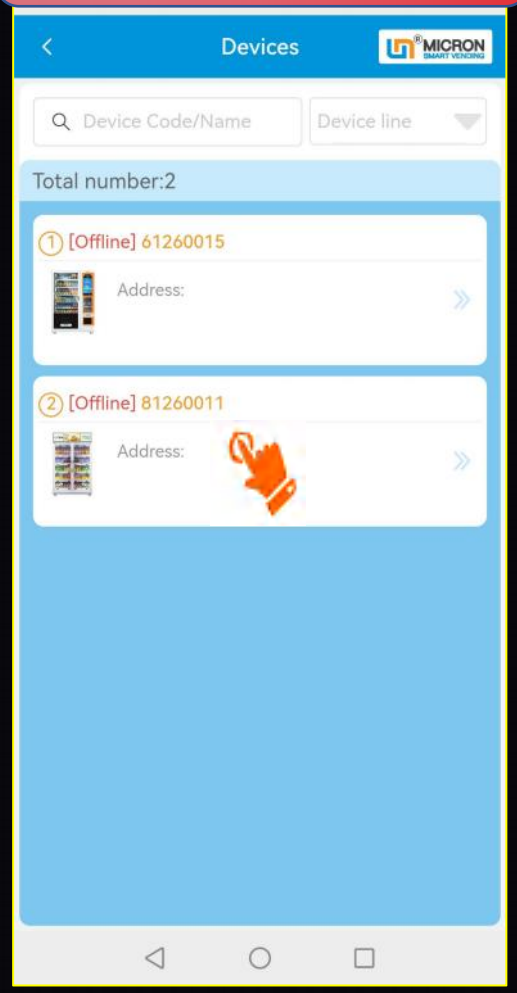
Part IV: Features dictionary

9. How to check Orders of a single machine

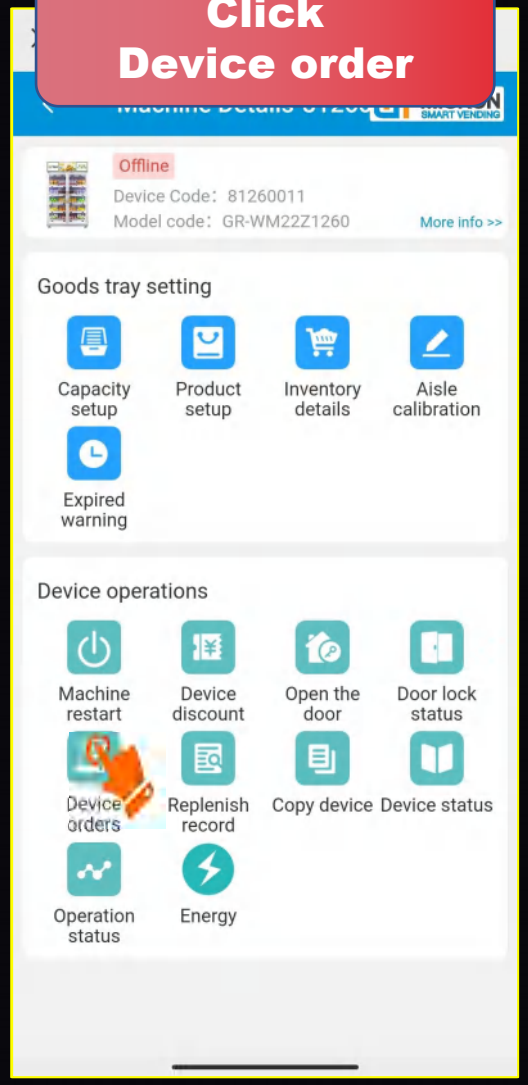
Click Device



Select the machine



Click Device order



History order record

Part IV: Features dictionary

9. How to check Sales Data

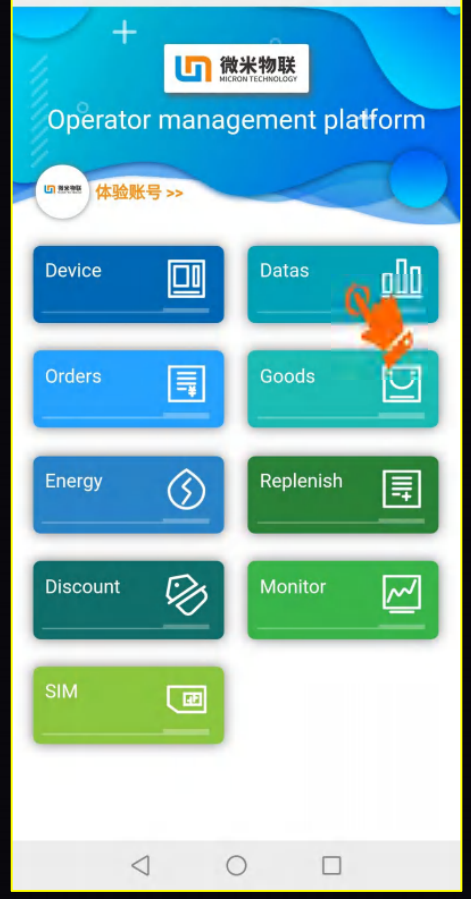
Smart phone system

Login Smart system

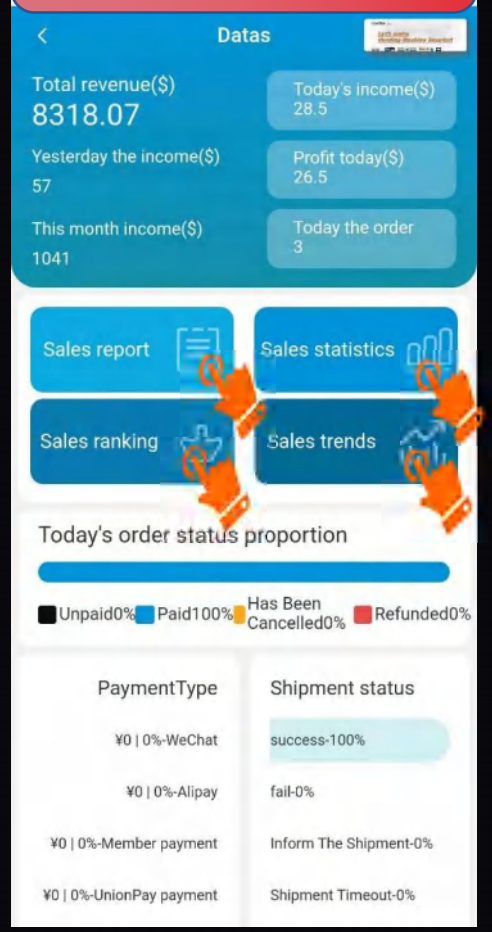
with phone

https://moperator.tech.weimi24.com

Click Data



4 buttons for more information

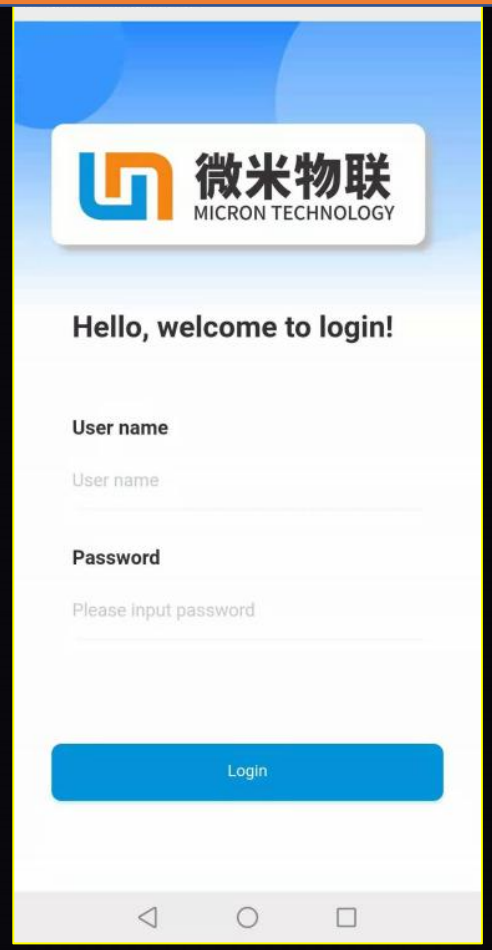


Part IV: Features dictionary

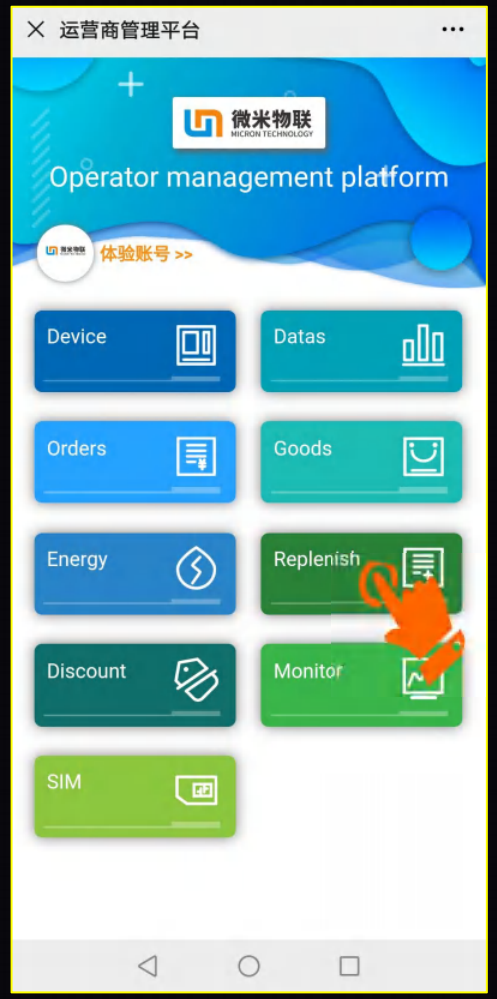
10. How to check replenish record of All Machines (Mobile system)

Login mobile system

https://moperator.tech.weimi24.com

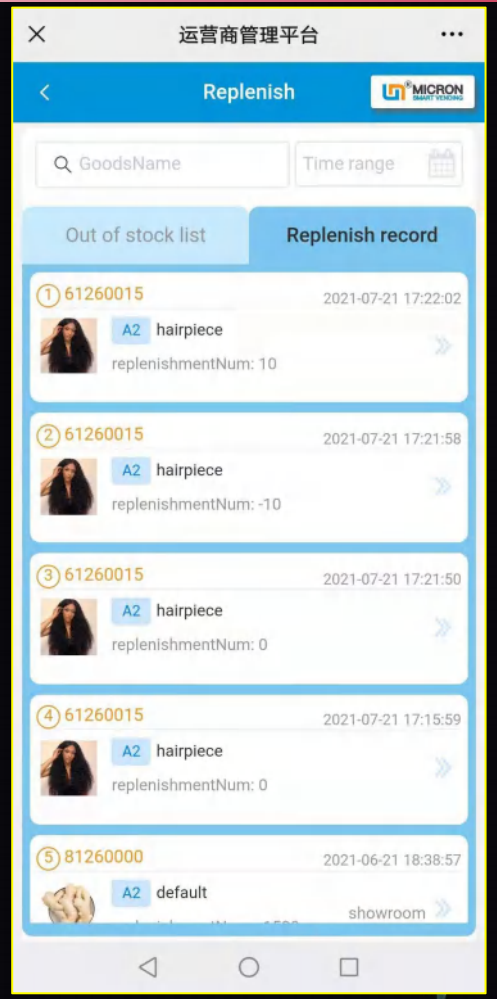


Click "Replenish"



Click "Replenish record"

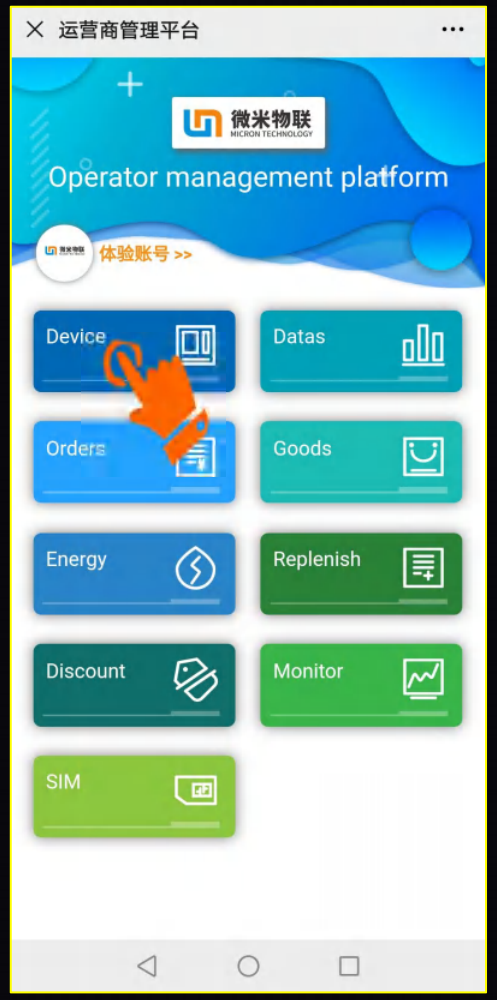
You will see the record for ALL machines under this account



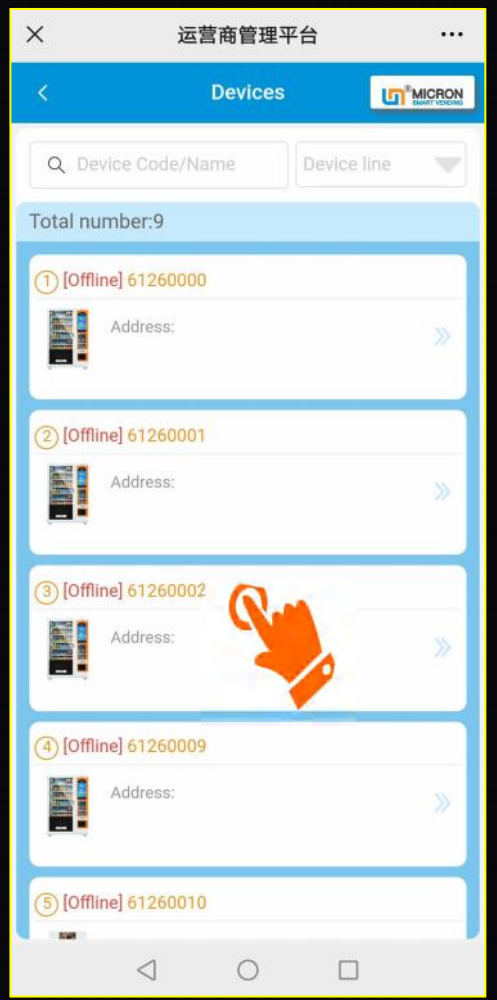
Part IV: Features dictionary

10. How to check replenish record of a Single Machine (Mobile system)

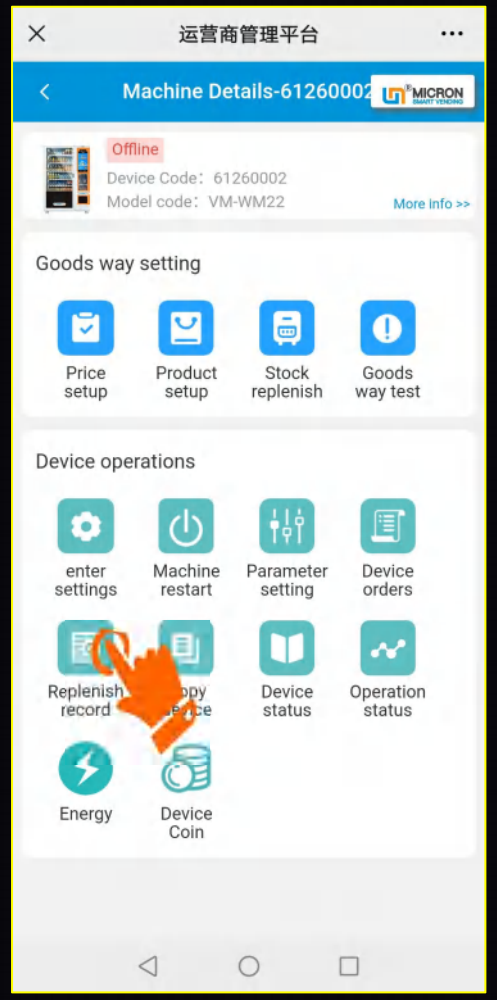
Click “Device”



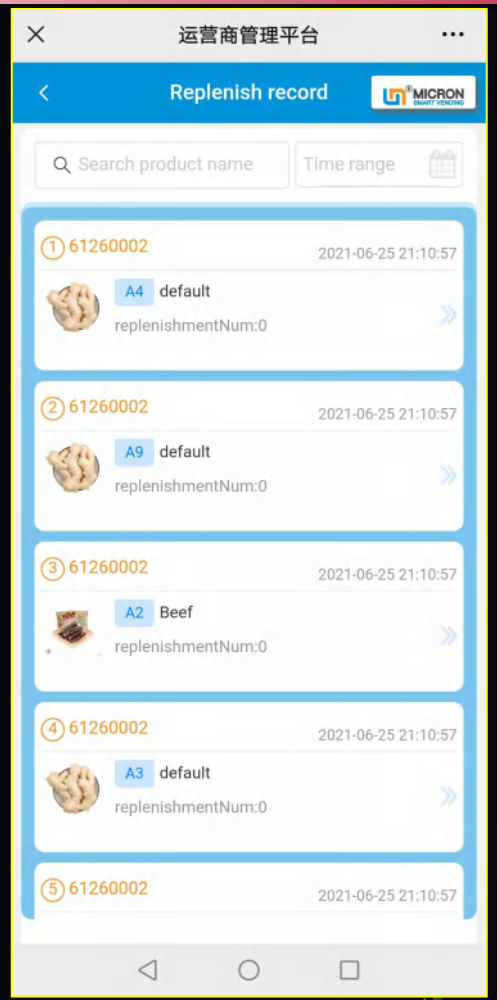
Choose the machine



Click “Replenish record”



You will see the record for the chosen machine only



Part IV: Features dictionary

10. 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

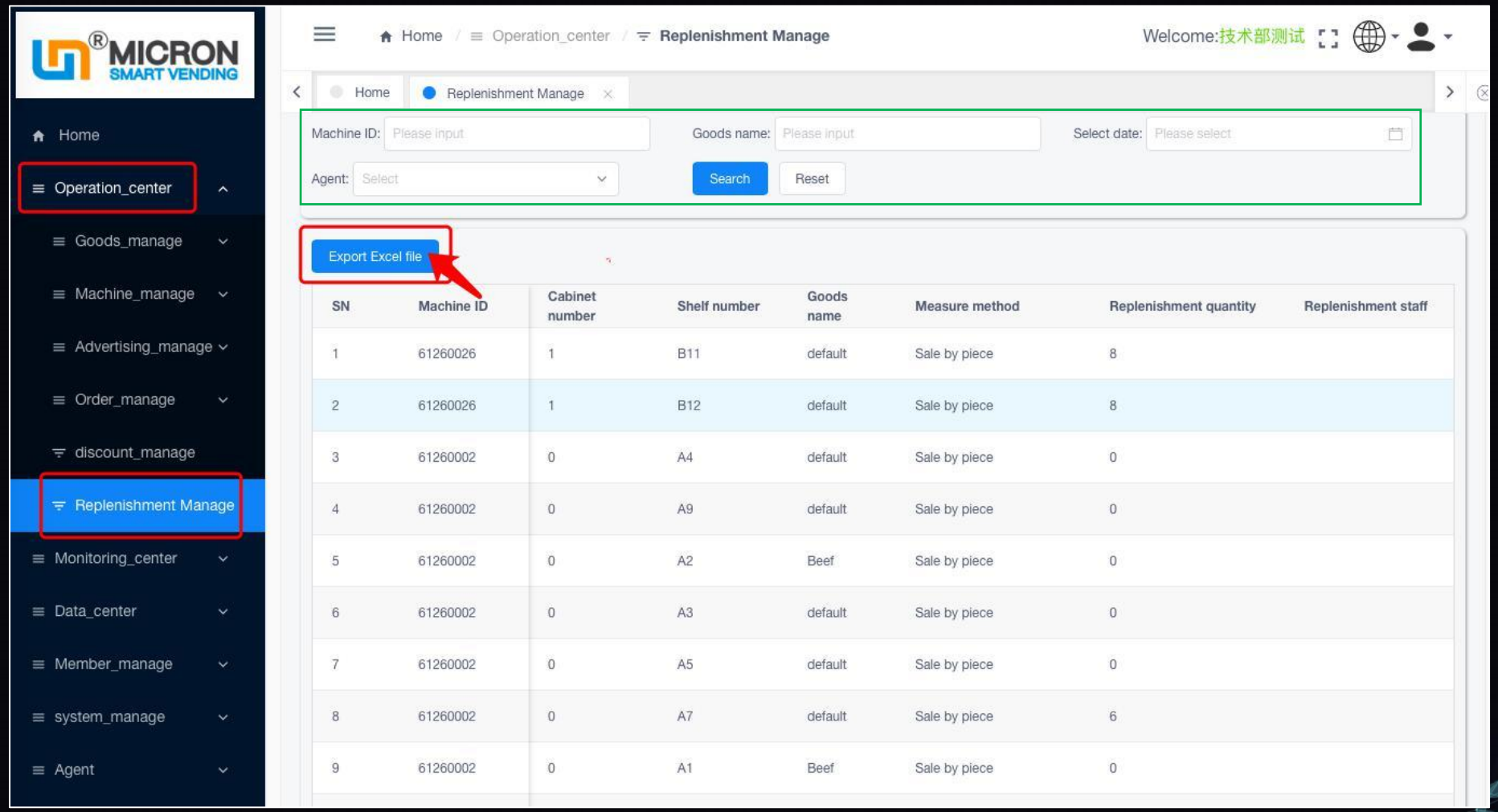
Part IV: Features dictionary

10. How to check replenish record (PC system)

※ 1. PC System

Operation center ---> Replenish management

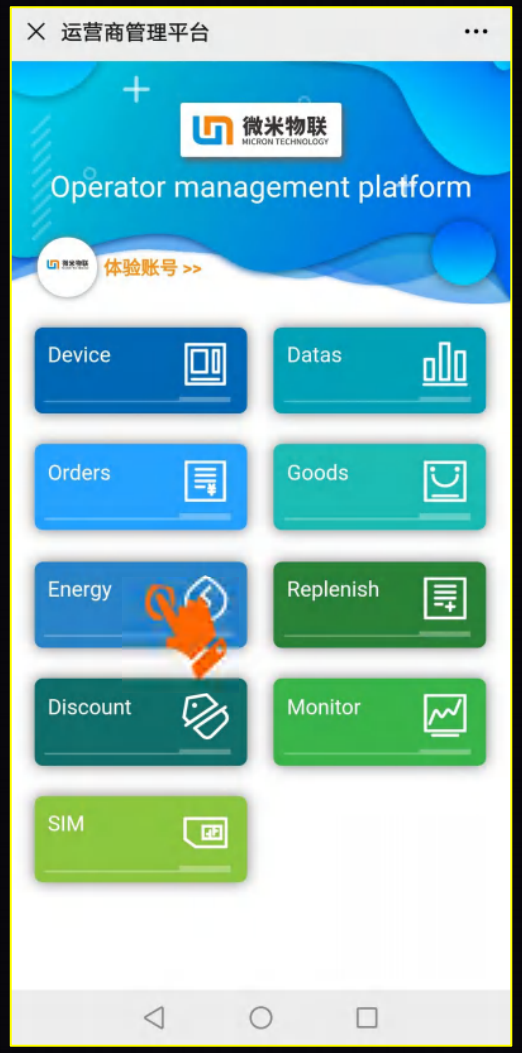
You can click “Export Excel file”, and save the file to your computer, and then check all the details of all machines. Besides, you can input the Machine ID / Goods name/ Agent, and Select date to Search.

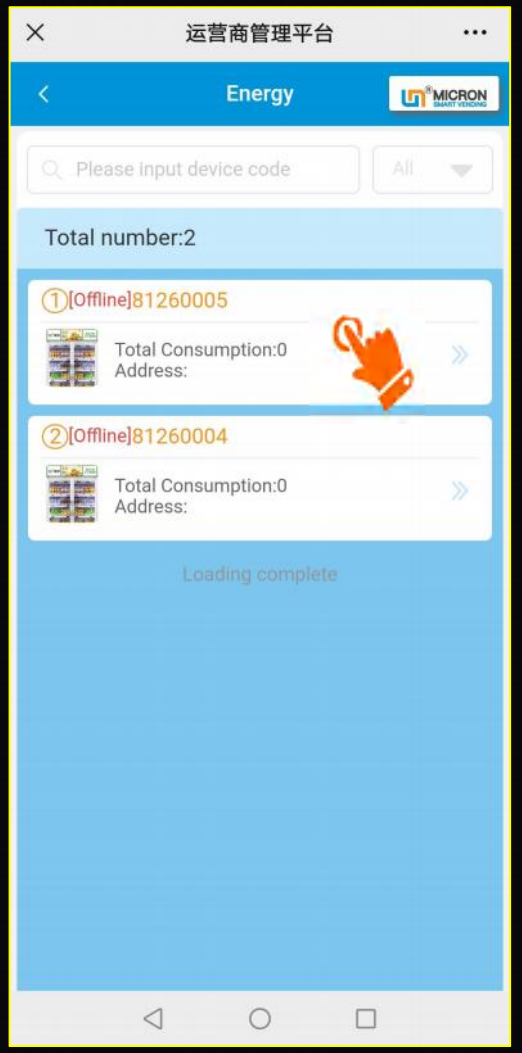


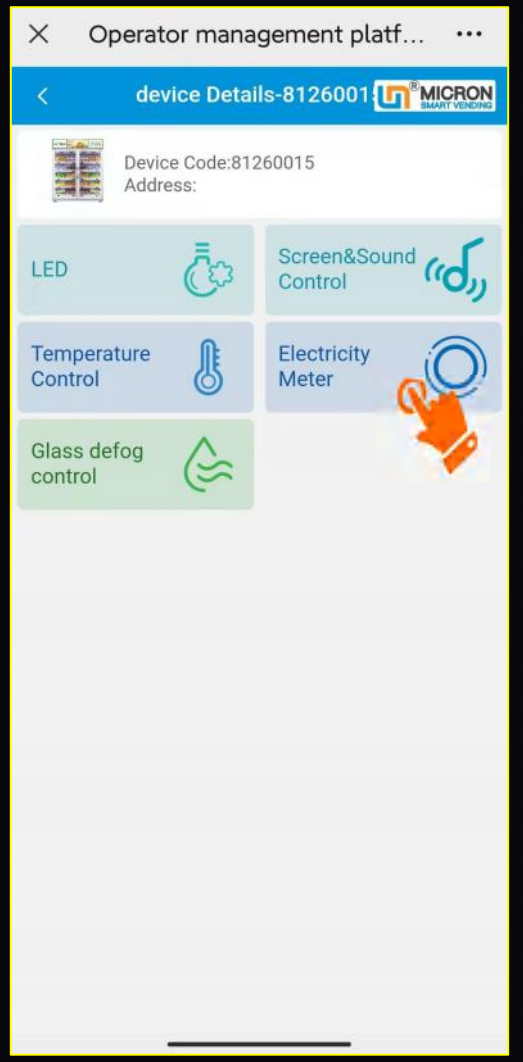
Part IV: Features dictionary

11. Energy management (from Mobile system)

Electricity Meter

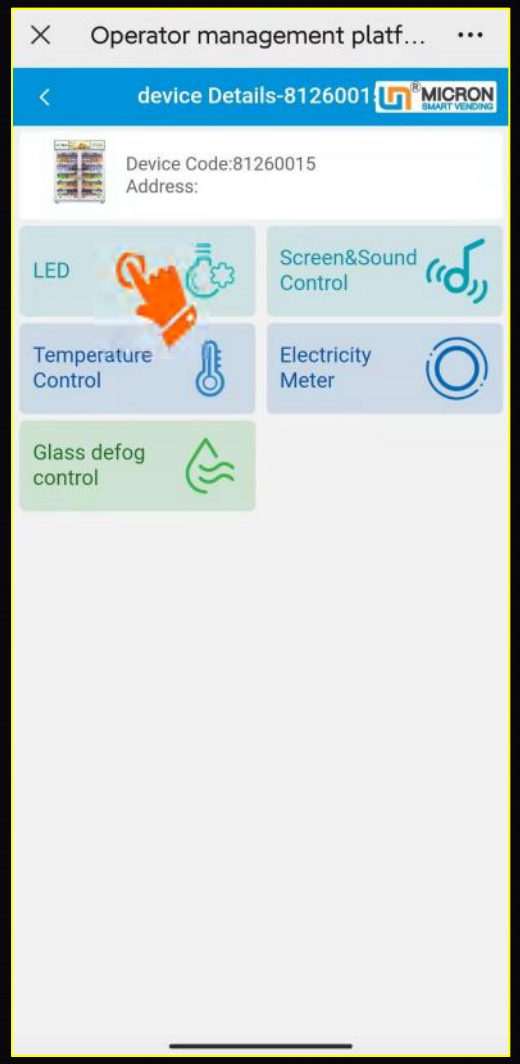




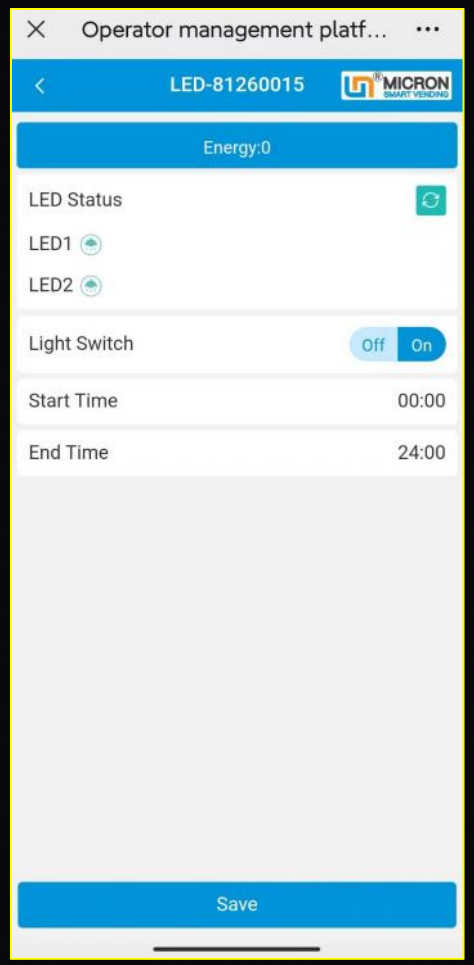


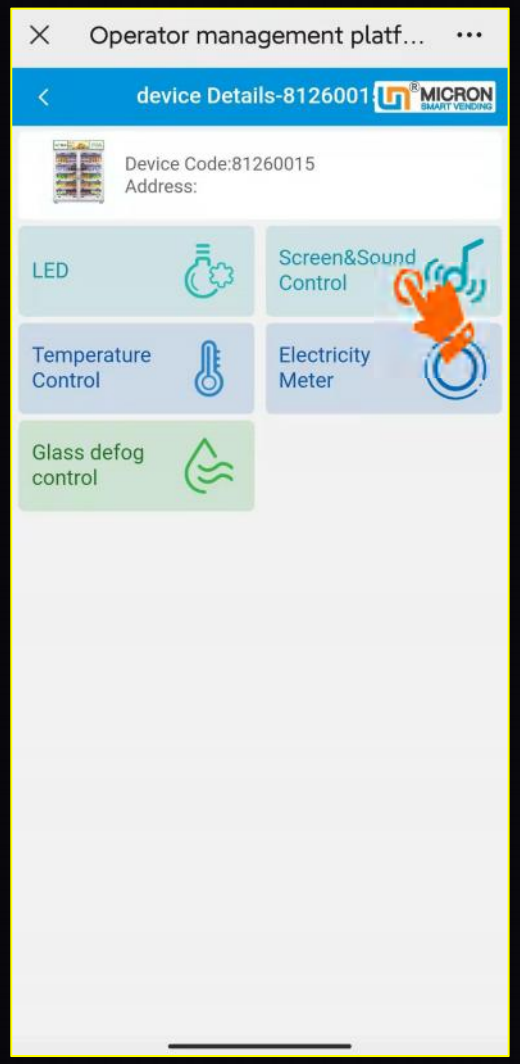
Part IV: Features dictionary

11. Energy management (from Mobile system)

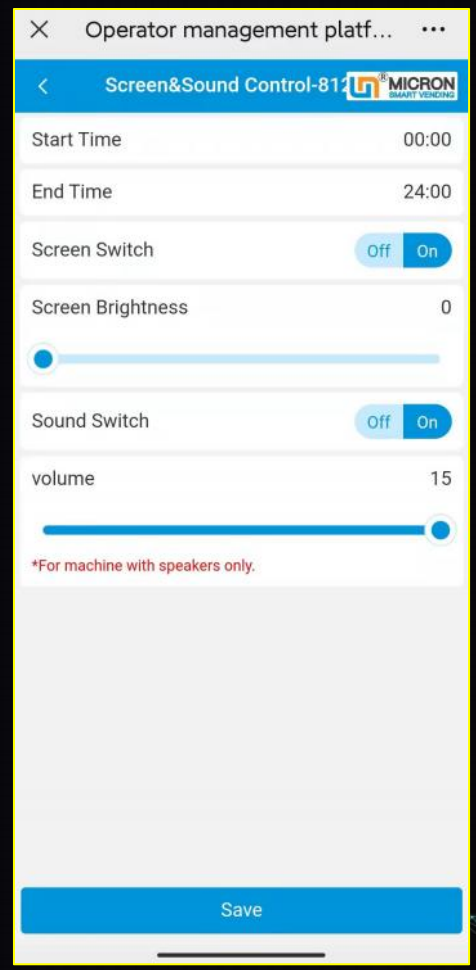


Control LED light



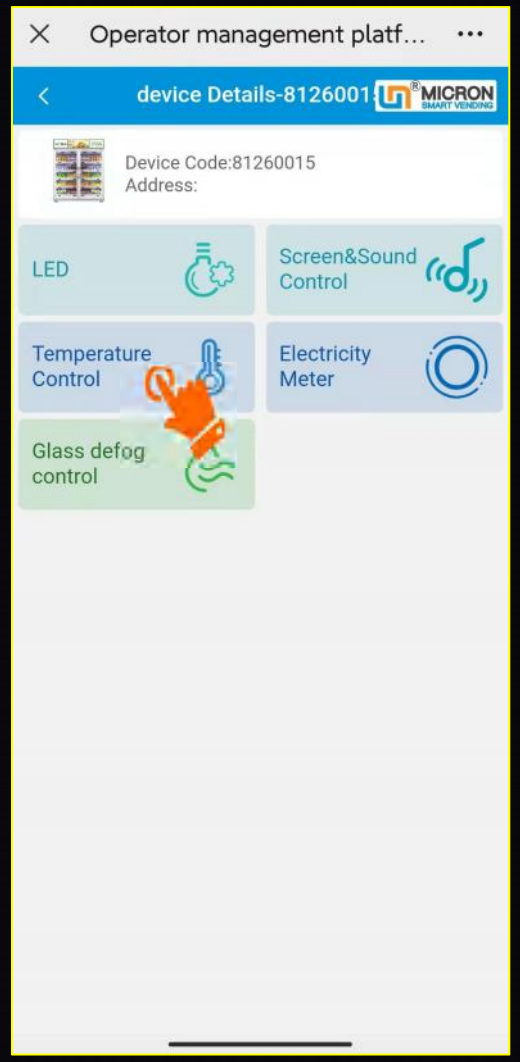


Control screen sound

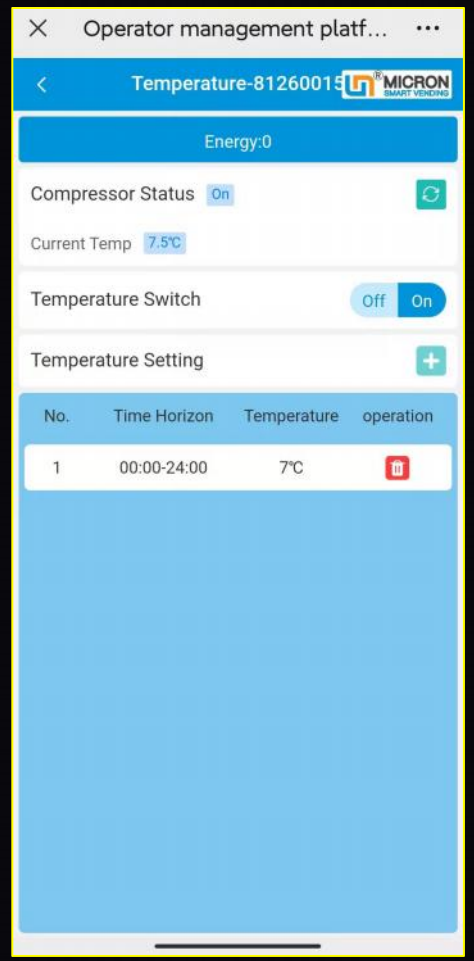


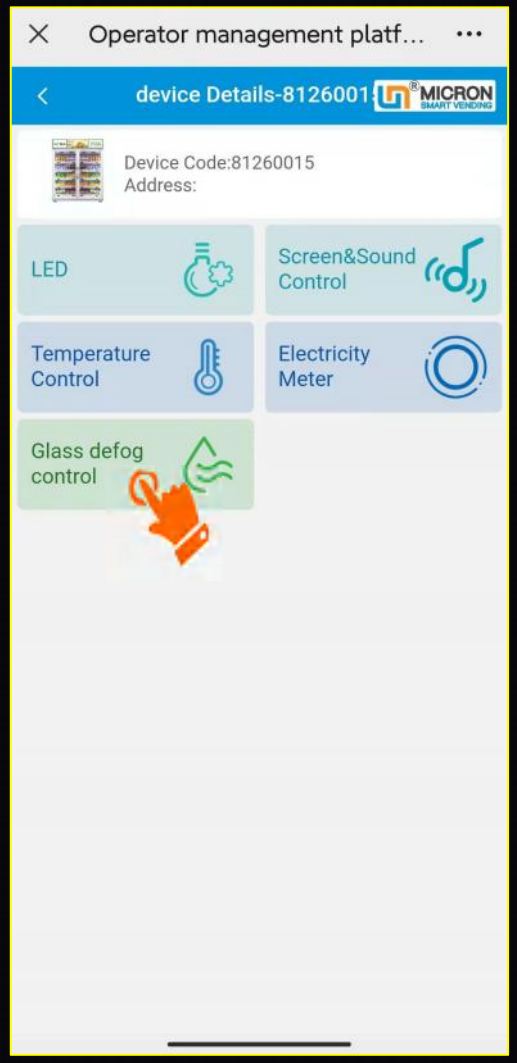
Part IV: Features dictionary

11. Energy management (from Mobile system)

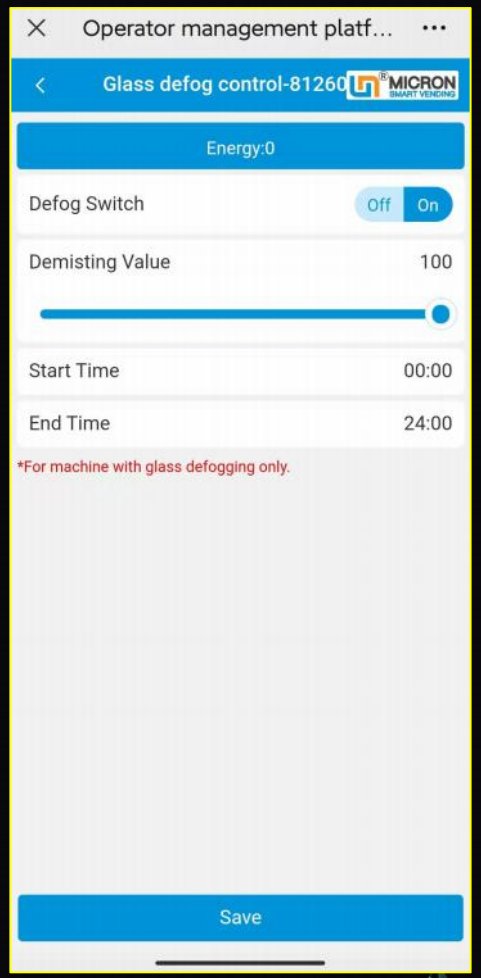


Control temperature





Glass defog Control



Part V: Machine installation

1. Installation

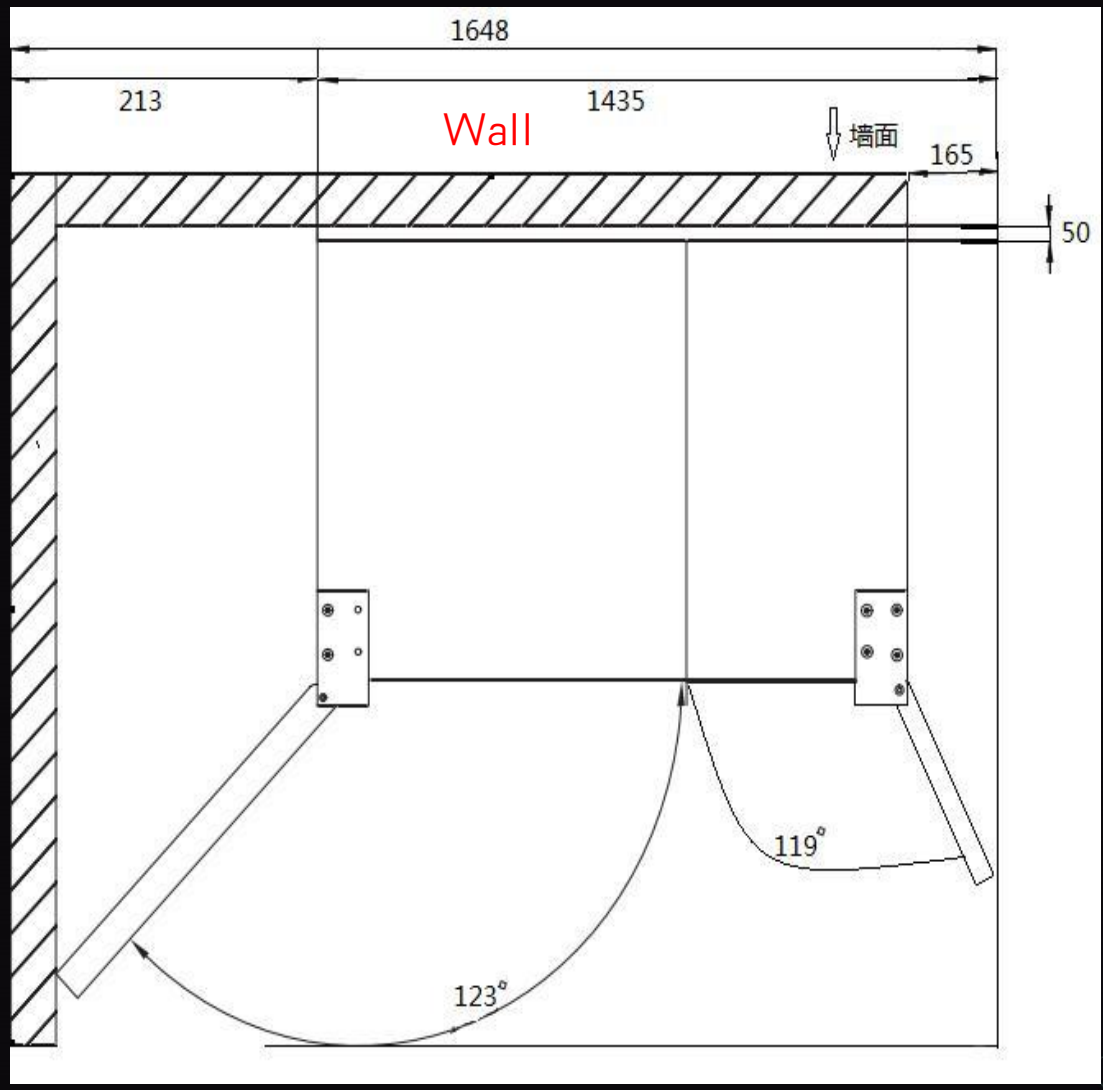
1.1 Placement of the machine

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;

1.2 Space for placing the machine

* refer to the guidelines at the right side;
* do not block the vents on the top of machine.



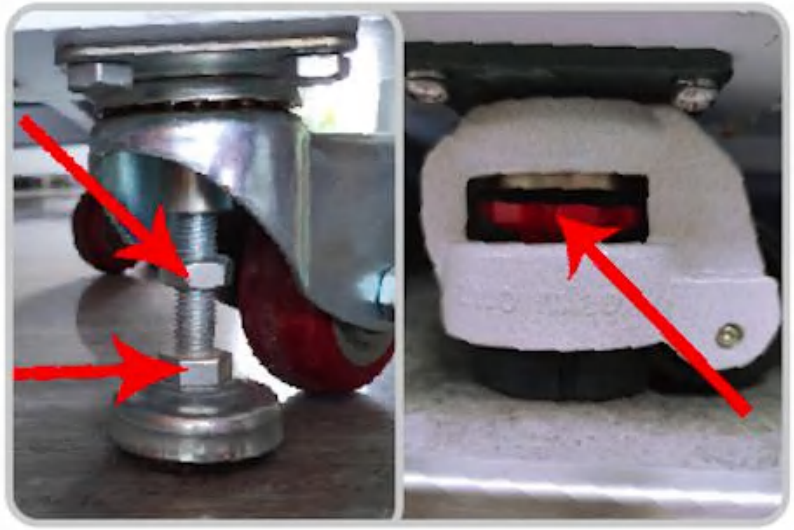
Part V: Machine installation

1. Installation

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

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

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

2. Power supply

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.

3. 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.

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