



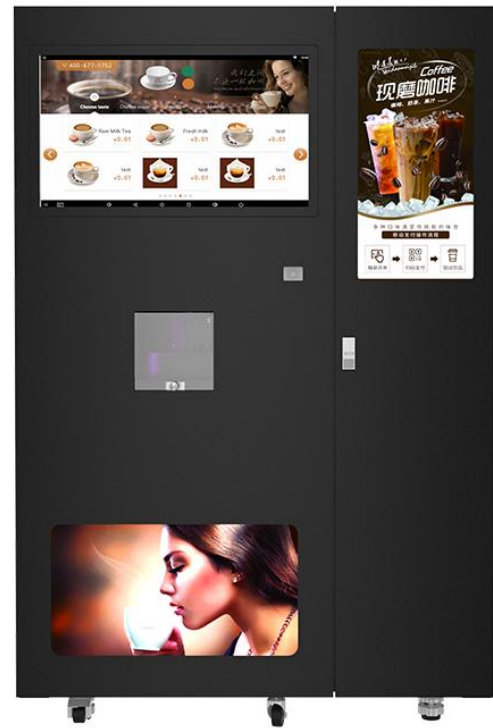
# JK85 Installation Operation and Maintenance Manual

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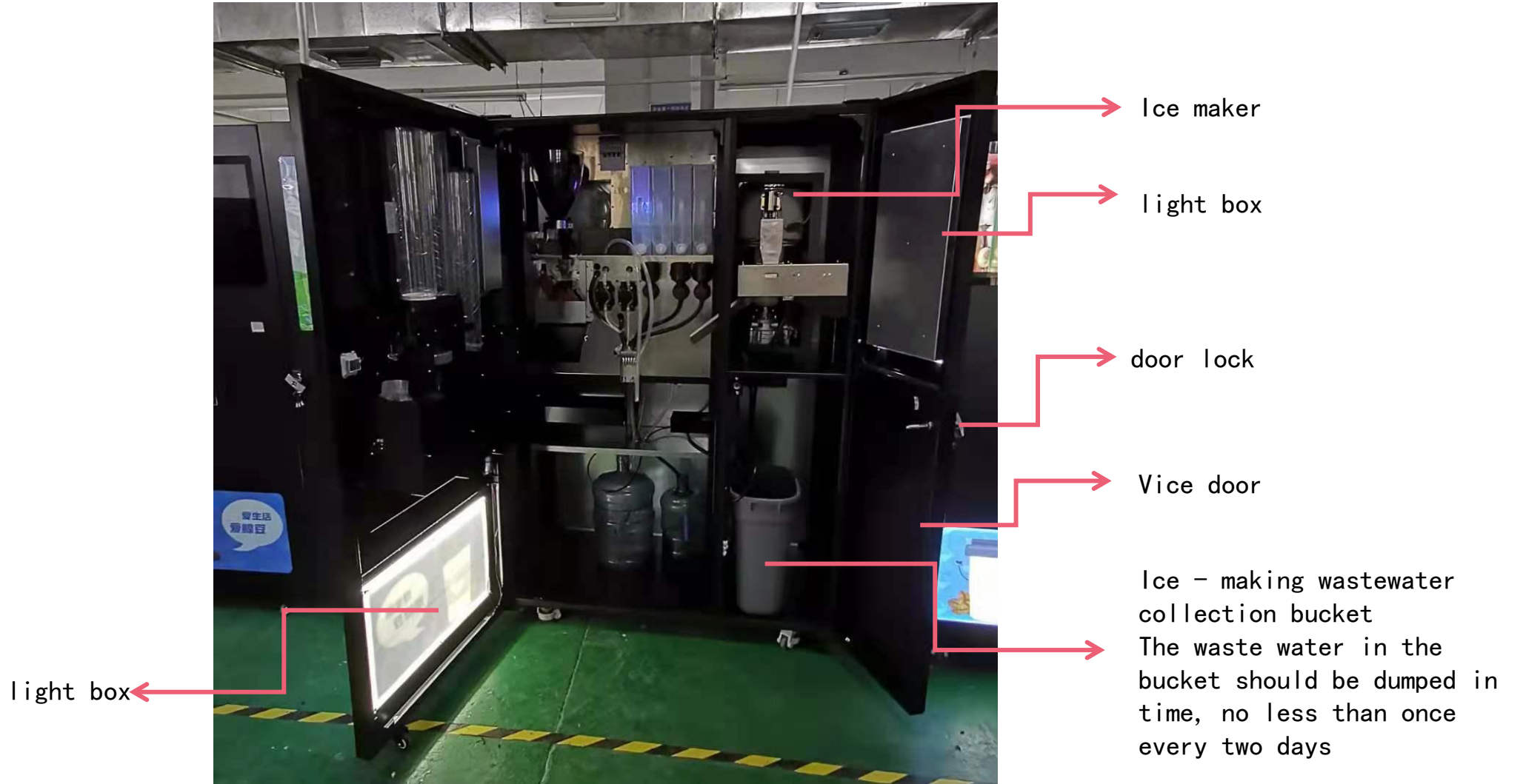
2021.08.25



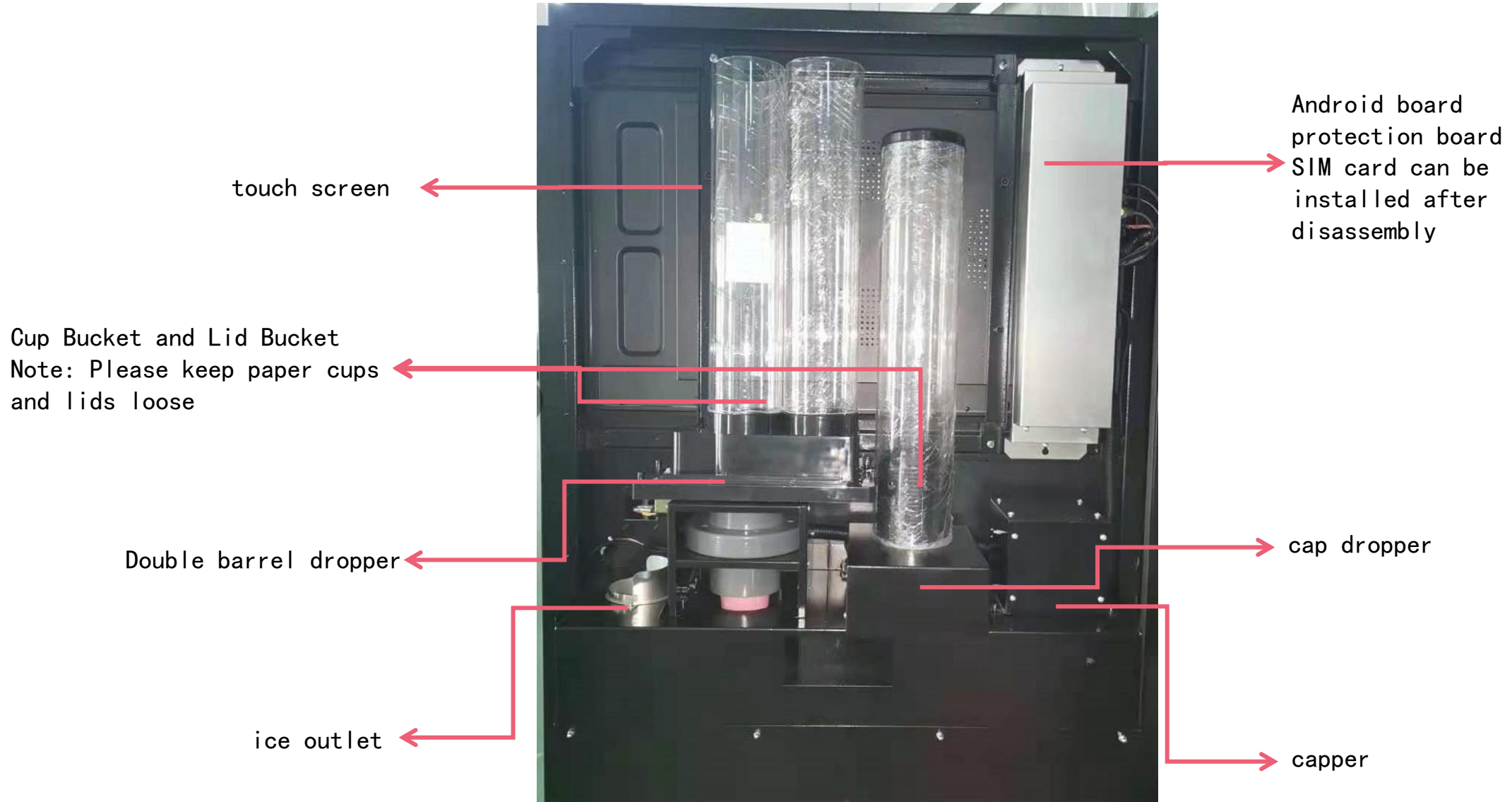
# 1、Equipment installation requirements

- 1、The equipment needs to be installed on a flat, solid ground
- 2、Installation environment requirements
  - Power requirements : A power supply with a ground wire that meets the standard requires that the zero-ground voltage be less than 3V
  - Space requirement : The minimum distance between the back cover of the equipment and the wall or cabinet must be greater than 30cm, and the minimum distance between the right side of the equipment and the wall or cabinet should be able to fully open the front door.
  - Temperature requirements: when the temperature is below 0 degrees Celsius, please drain the water inside the machine and turn off the power of the machine
  - Network requirements : Support 2.4Ghz wifi signal, not support 5Ghz wifi signal
  - Water supply requirements : Must be pure water, tap water must not be used

## 2.1、 Structure introduction ( — )

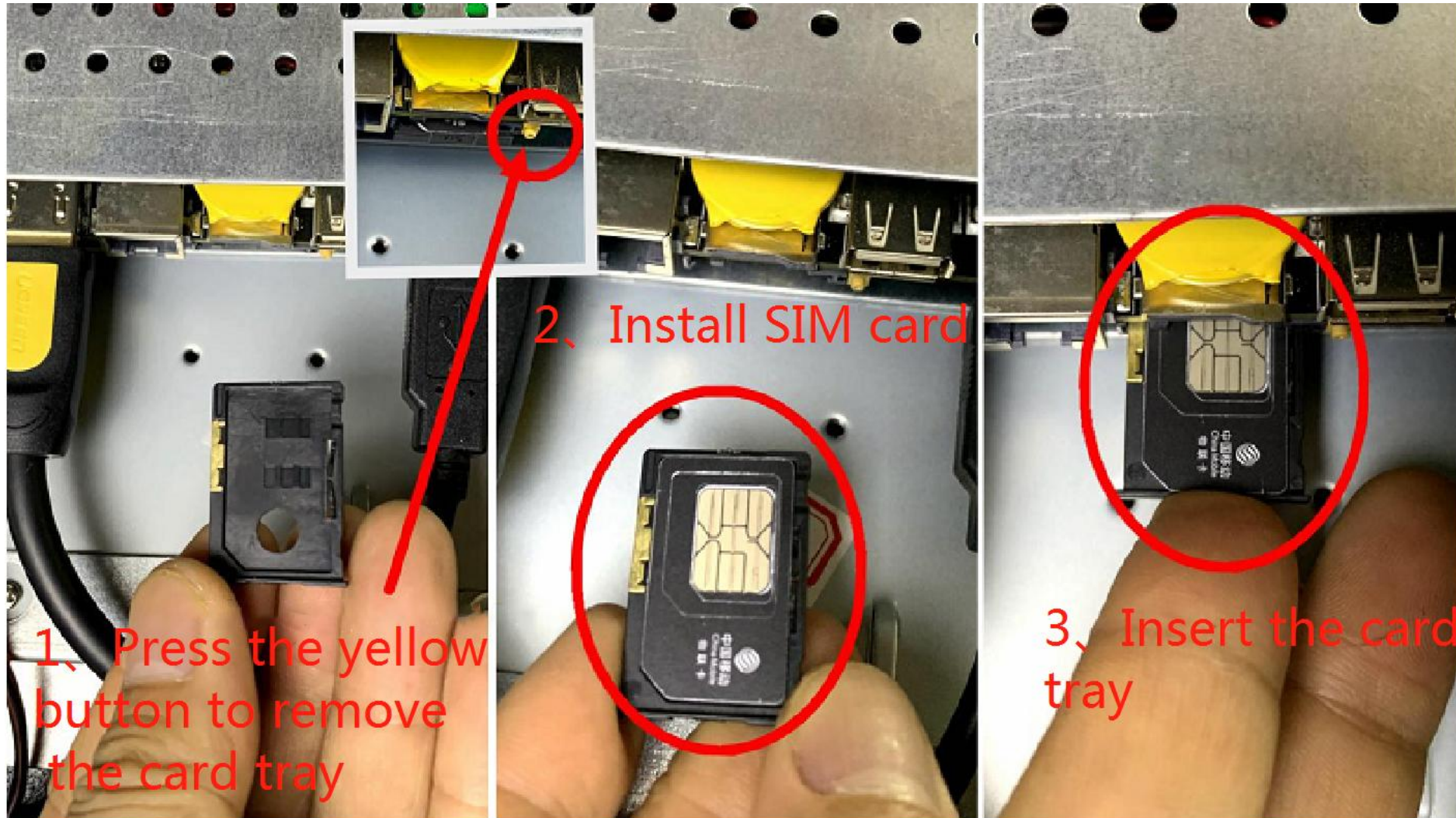


## 2.2、 Structure introduction (二)





## 2.3.1、SIM card installation method ( 3368Android board )





## 2.3.2、SIM card installation (M2 Android board)

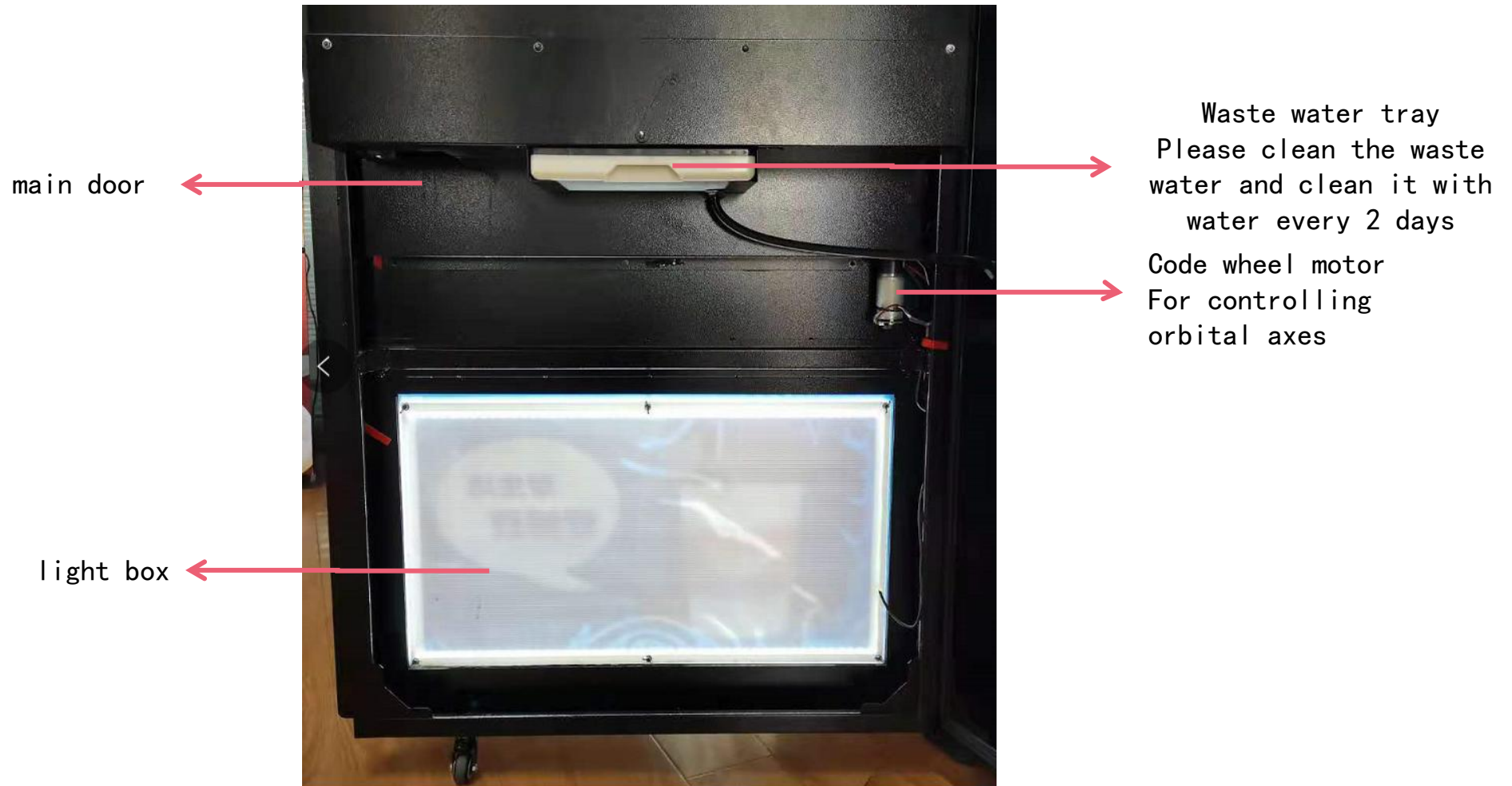


Press the card towards the card slot, the card will be ejected



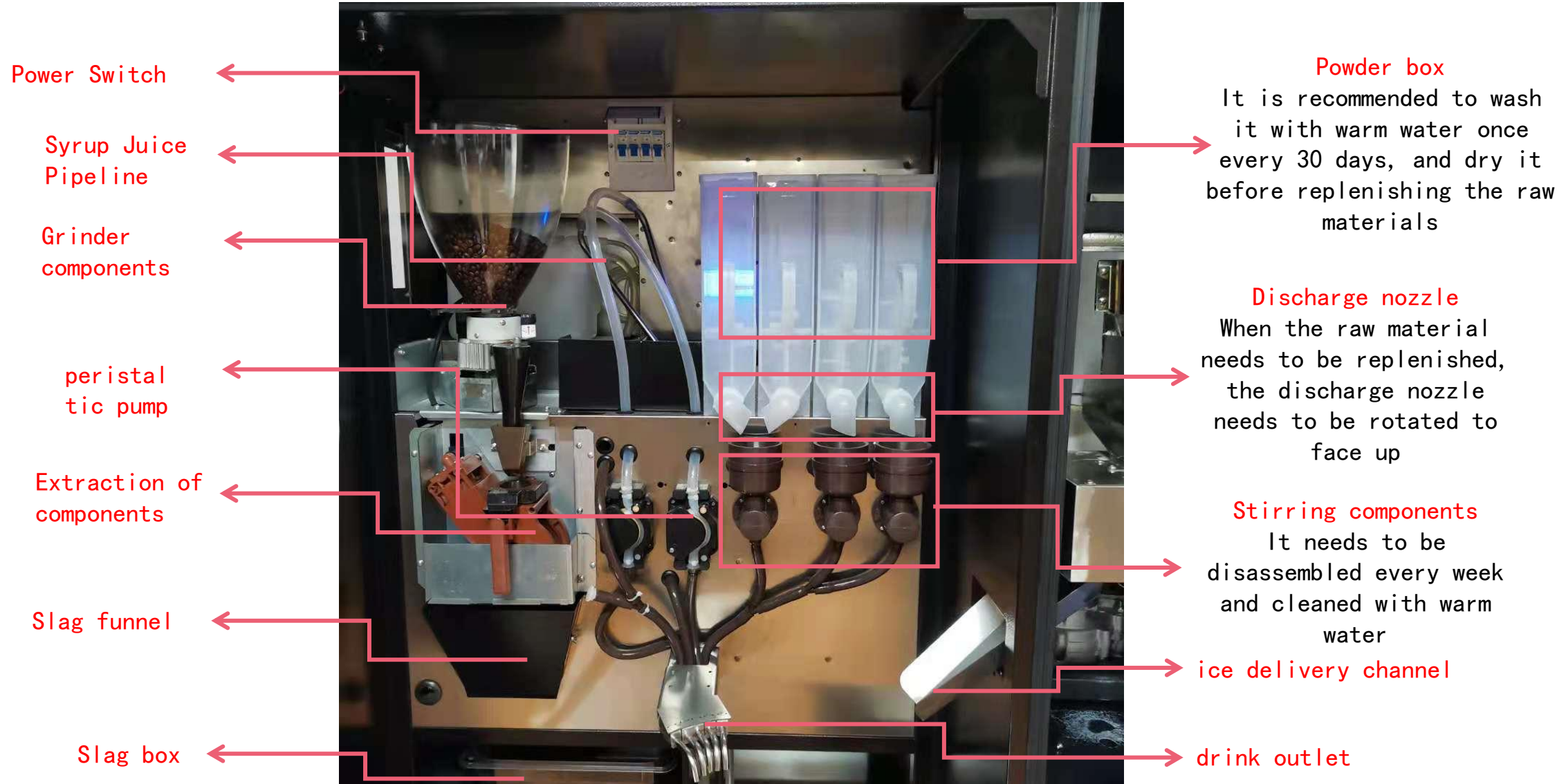
When installing the SIM card, you need to pay attention to the direction of the card and insert the card to the end

## 2.4、 Structure introduction ( ≡ )

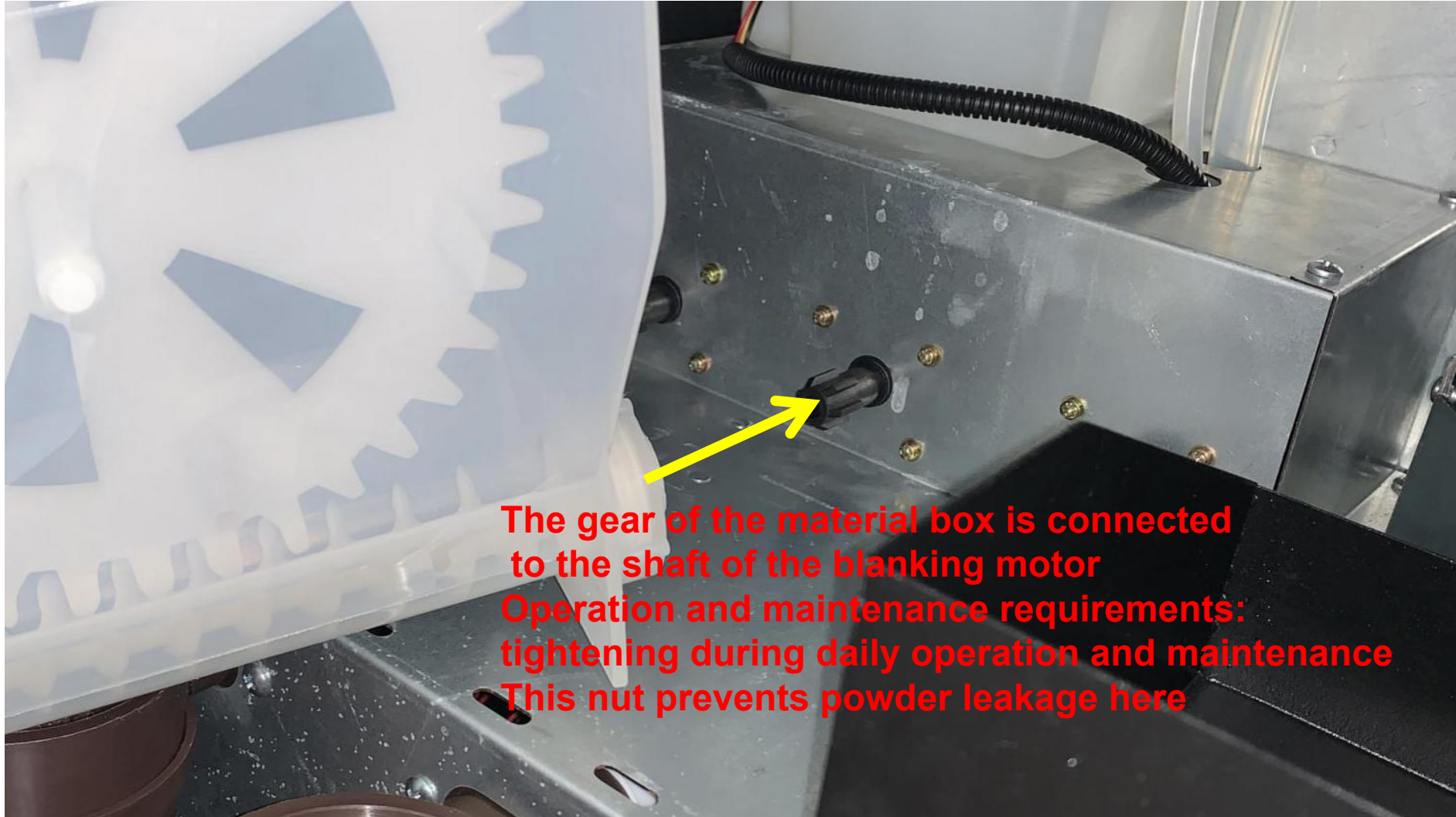




## 2.5、 Structure introduction ( 四 )

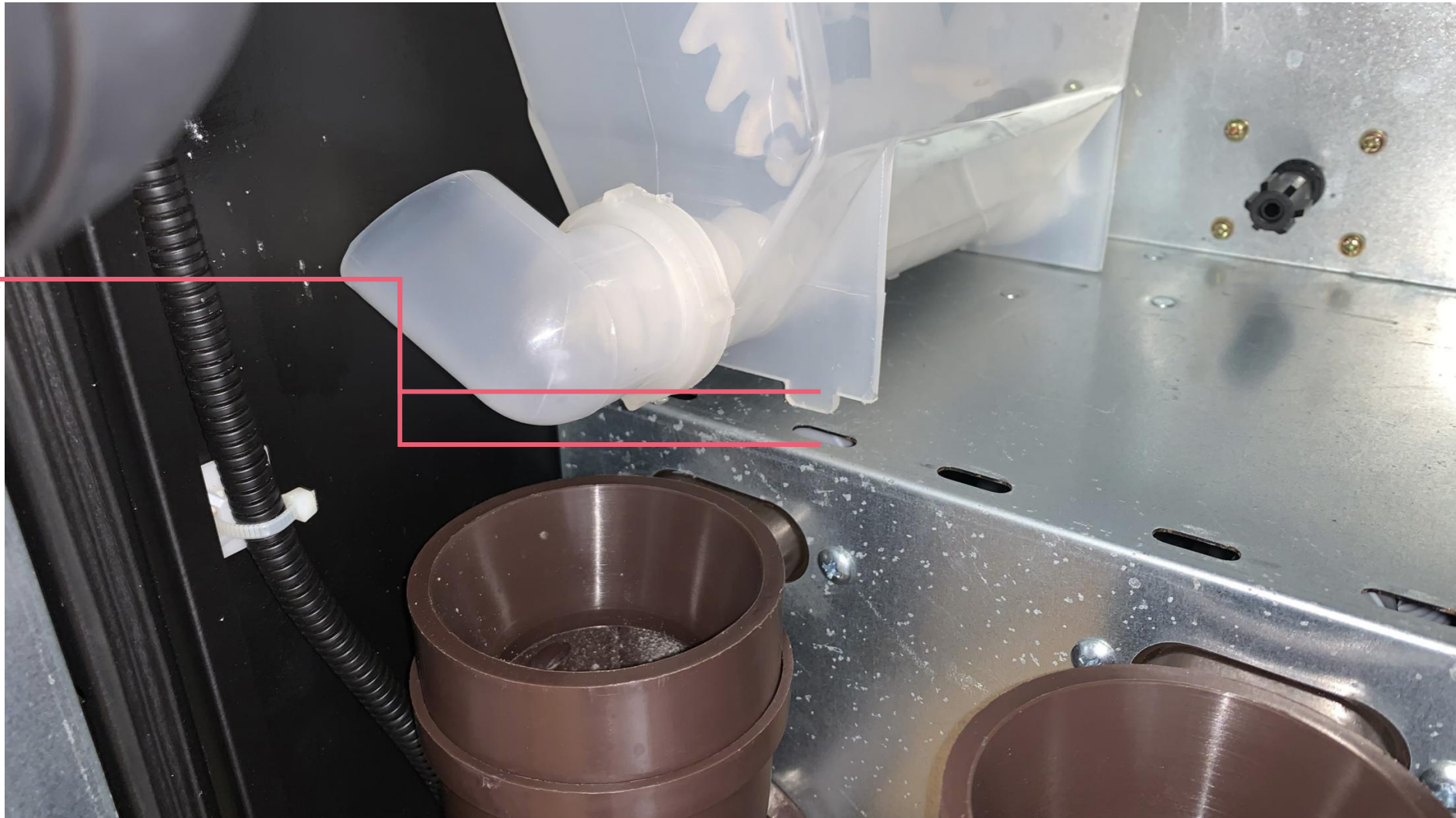


## 2.6、 Installation of the powder box ( — )



## 2.7、 Installation of the powder box (二)

The corners of the powder box fit into the holes





## 2.8、 Powder box sequence and material installation requirements

Powder assembly sequence

No. 1 Powder Box Refill Milk Powder

No. 3 Powder Box Refill Cocoa Powder

No. 4 Powder Box Refill Milk Tea Powder

No. 6 powder box can be customized

No. 5 pipeline to replenish liquid raw materials

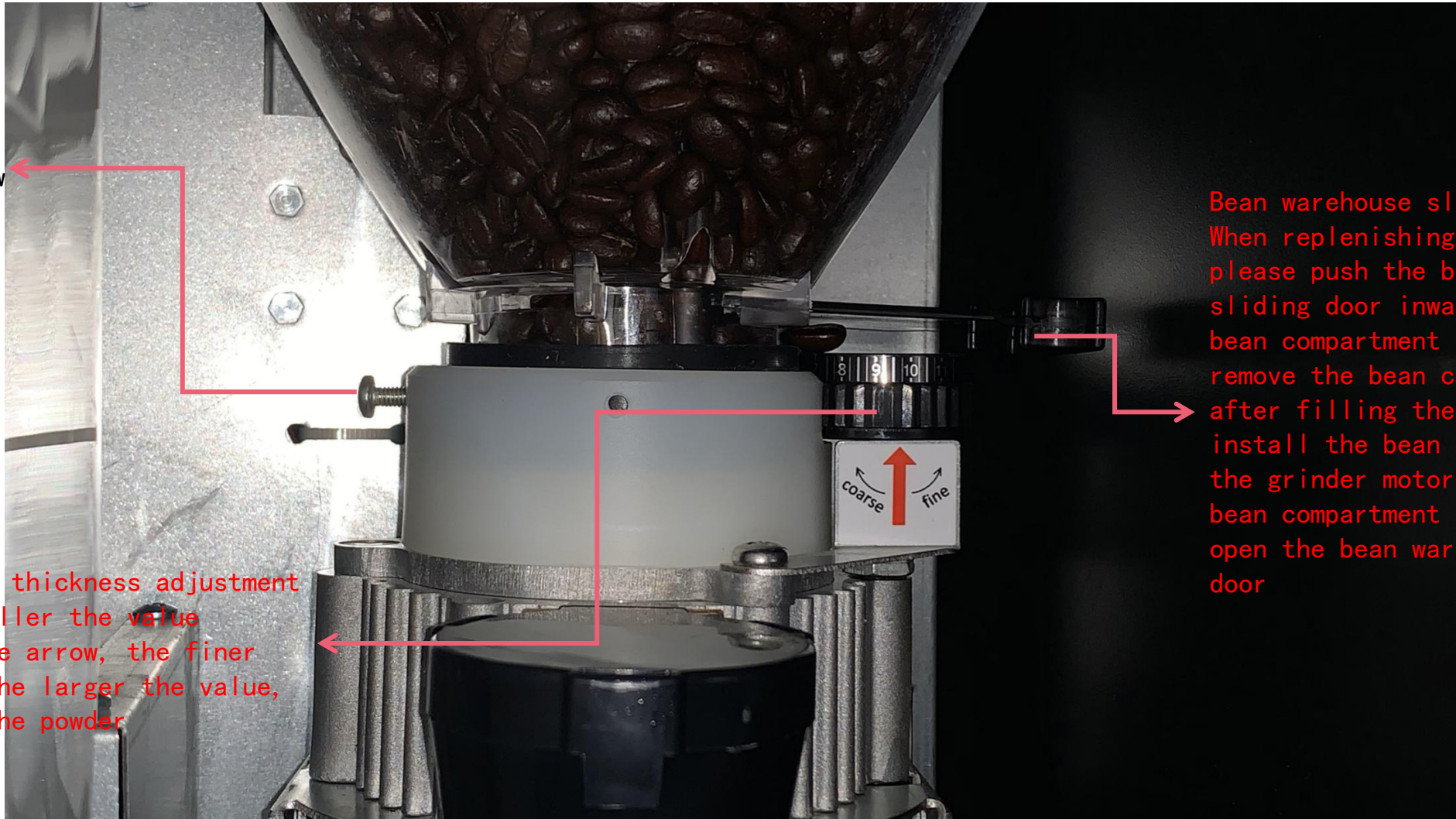
No. 2 Pipeline supplements fructose

Note: No. 2 and No. 5 ingredients should not be too thick



## 2.9、 Introduction and operation and maintenance requirements of the current grinder

Bean bin  
fixing screw



Grinding bean thickness adjustment knob, the smaller the value pointed by the arrow, the finer the powder, the larger the value, the thicker the powder

Bean warehouse sliding door  
When replenishing coffee beans, please push the bean compartment sliding door inwards, loosen the bean compartment fixing screws, remove the bean compartment, and after filling the coffee beans, install the bean compartment above the grinder motor, and tighten the bean compartment fixing screws, open the bean warehouse sliding door

## 2.10、Amount and thickness of coffee powder

Please refer to the picture below for the quantity and thickness of coffee powder





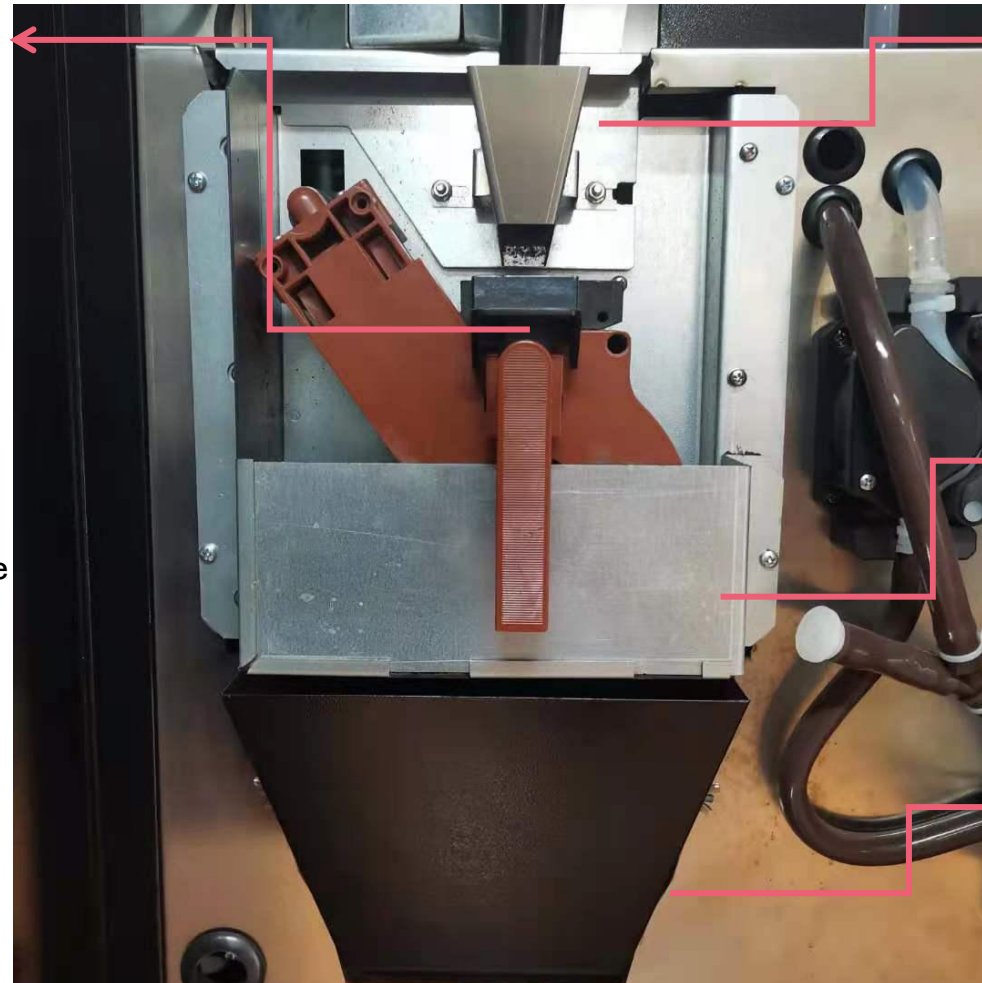
## 2.11、Extractor introduction and operation and maintenance requirements

### Extractor

Rinse once a week with clean water to prevent clogging

### Method of disassembling extractor

1. When disassembling, hold the handle and PRESS the press switch with your thumb to pull it out
2. When installing, first align the base of the extractor with the metal sheet metal at the limit, and then push it inward

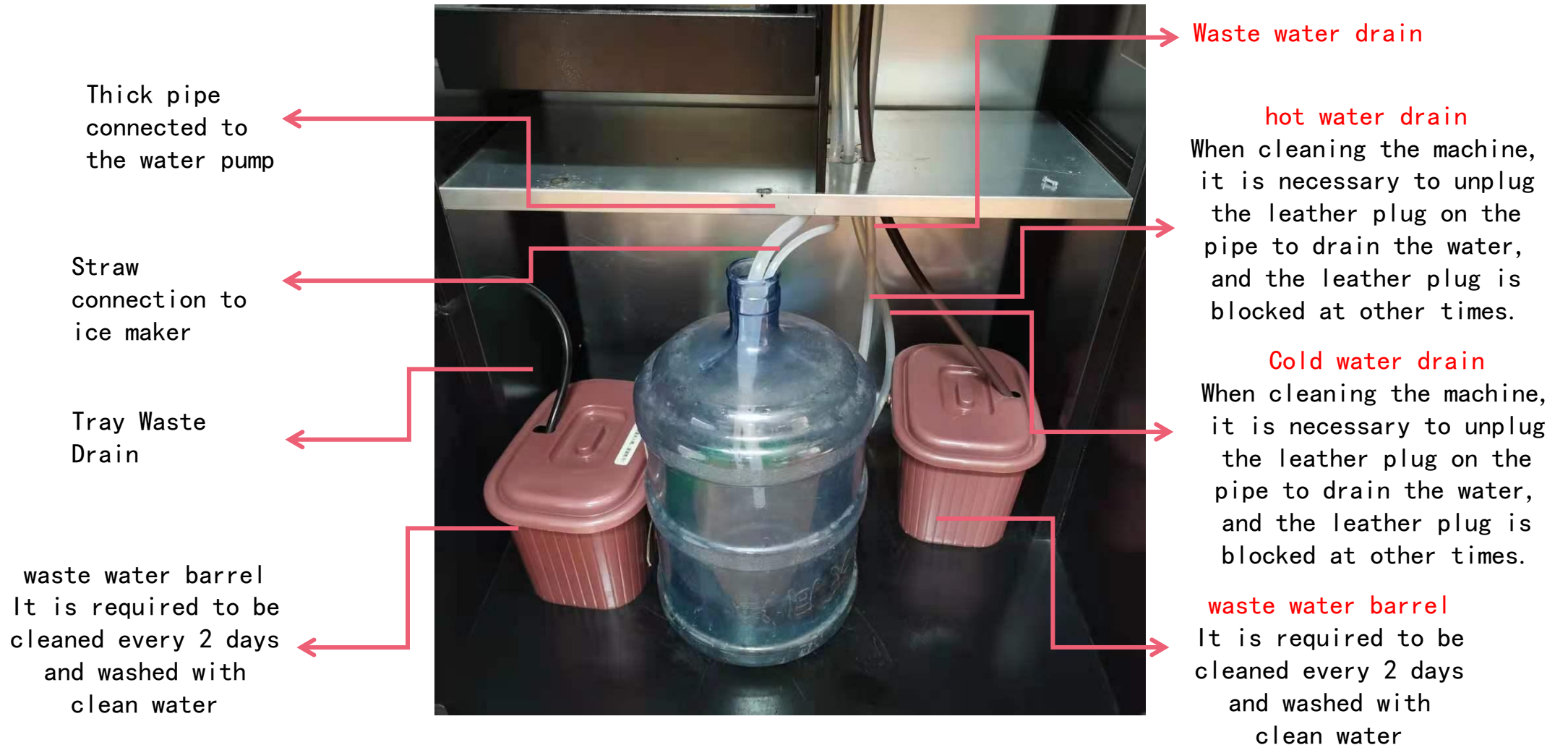


funnel

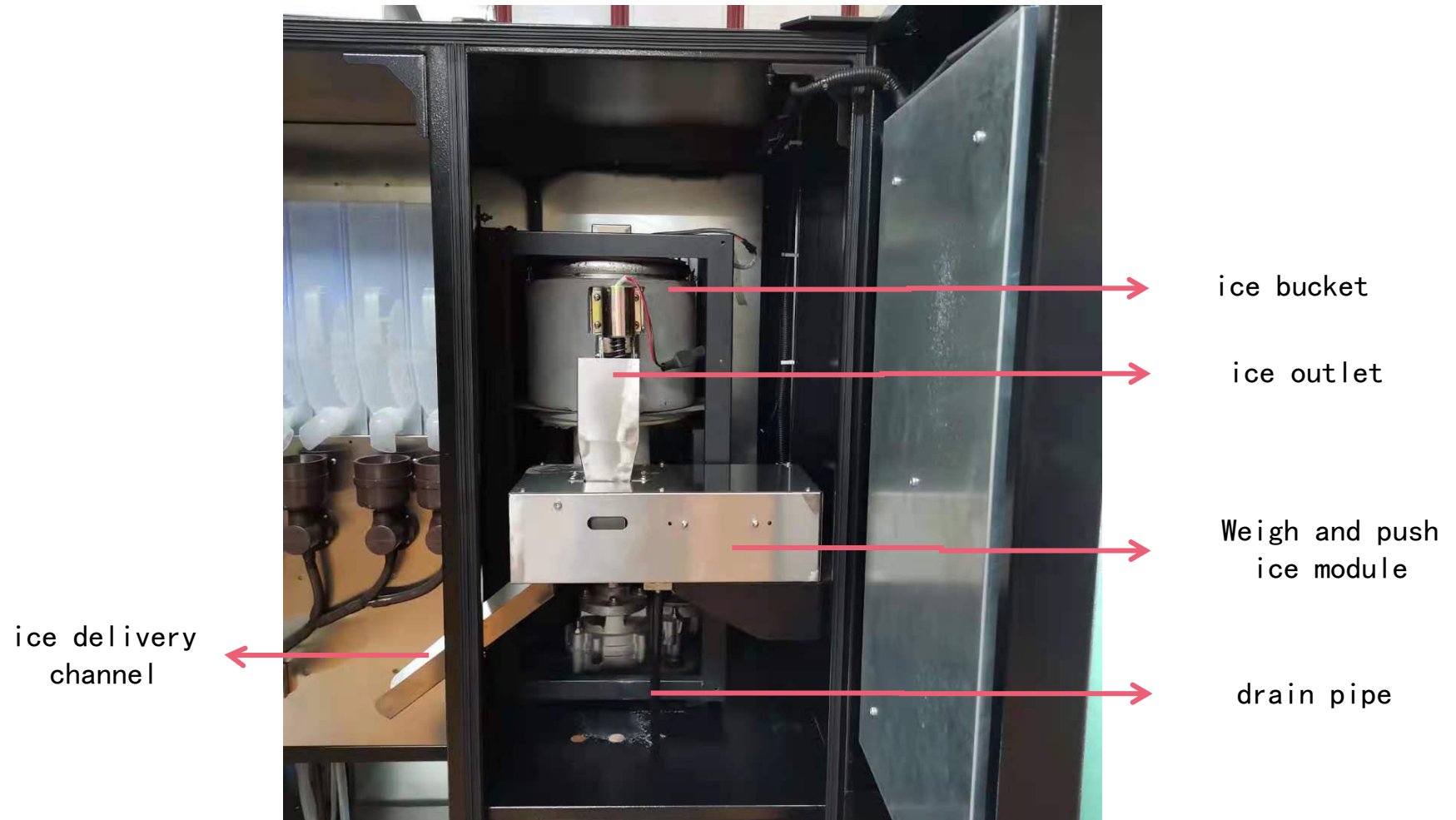
Extractor baffle  
Push right when removing and left when installing

Slag funnel

## 2.12、Structure introduction (五)



## 2.13、Ice machine introduction (一)





## 2.14、Ice machine introduction (二)

The state of ice cubes in the ice bucket

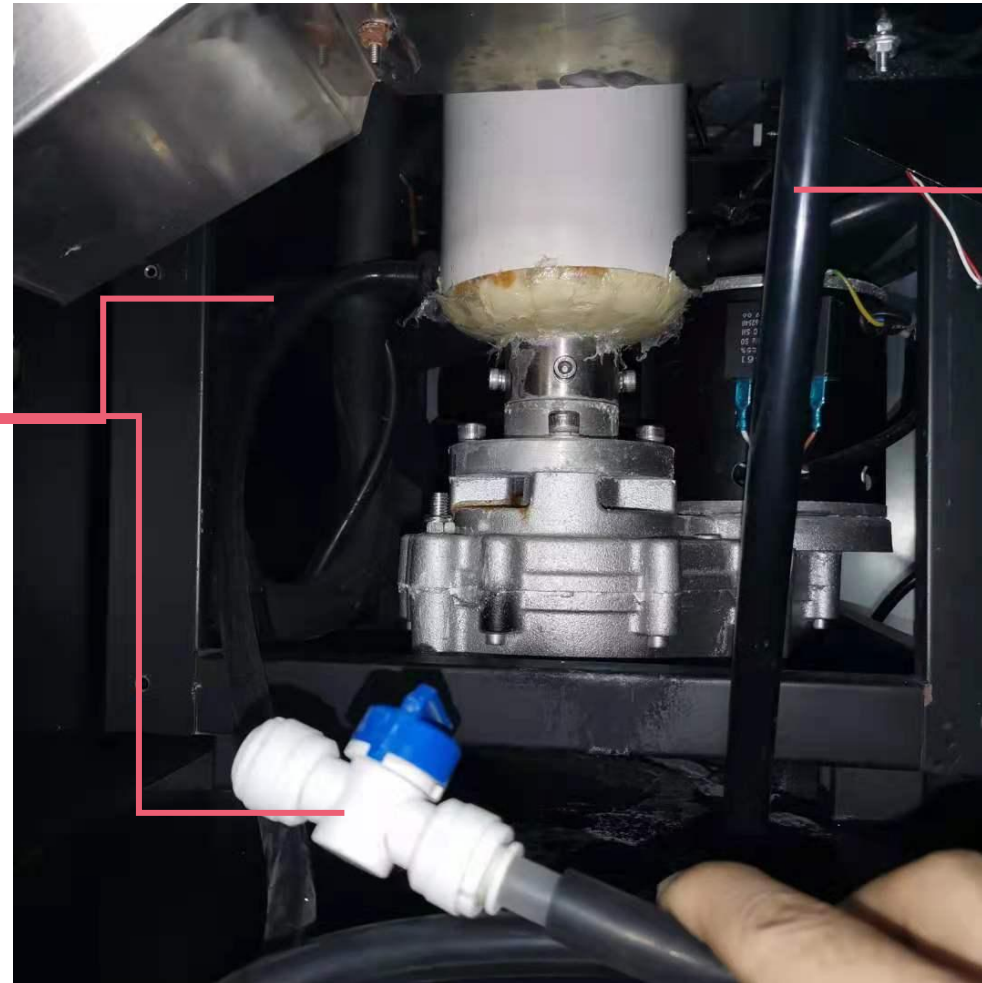


Ice bucket lid snap



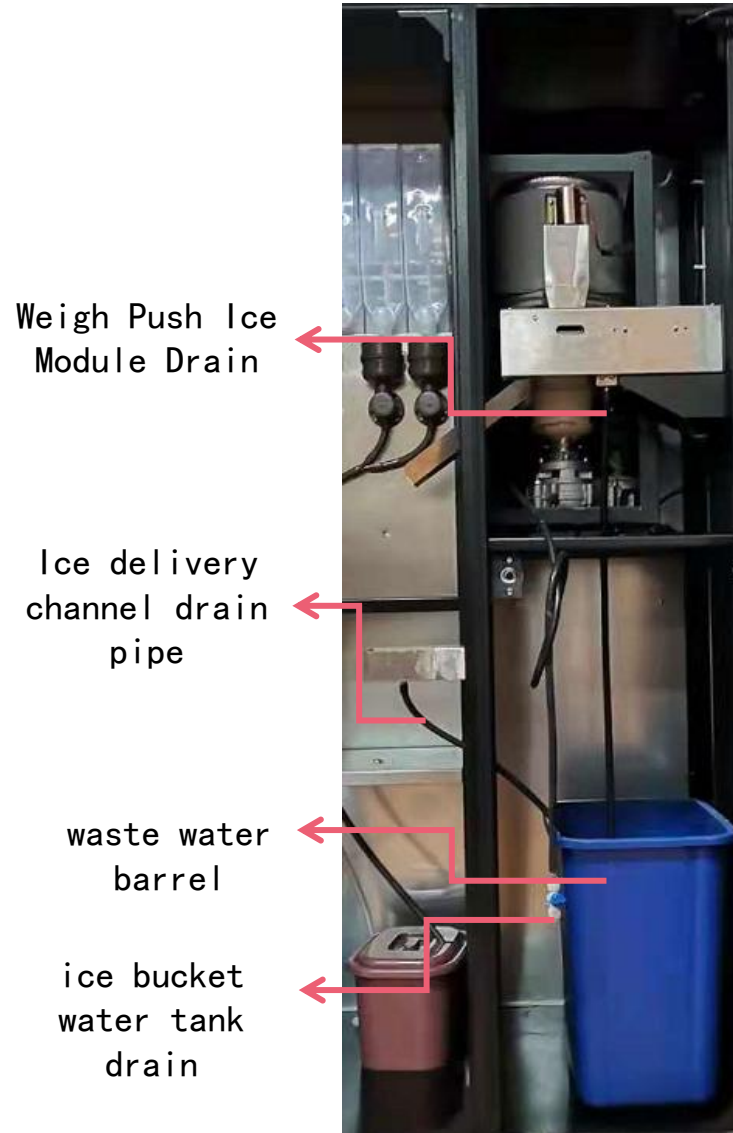
## 2.15、Ice machine introduction ( 三 )

Ice bucket water tank drain  
pipe (with plug)



Weigh Push Ice Module  
Drain

## 2.16、Ice machine introduction



### Instructions:

1、 In order to ensure food safety, the equipment should be restored after the first use or long downtime

It is recommended that the three drainage pipes of the ice maker be drained with plugs for reuse

Remove the plug, drain about 1L of water from the plug. Repeat this Sample operation 3 times

2、 Turn on the ice maker, you will hear the ice maker running when the ice maker is turned on.

3、 After the preheating is completed, the machine can start to work, and can make drinks without ice. After waiting for 30 minutes, there will be ice in the ice bucket, you can make ice cubes drinks

4、 If the machine is stopped or idle, open the three drain plugs of the machine and empty the hot water tank, cold water tank and ice maker water tank. Empty the ice in the ice bucket, open the lid of the ice bucket, let it stand for 12 hours, then empty the waste water of the ice machine, and properly store the machine after cleaning it.

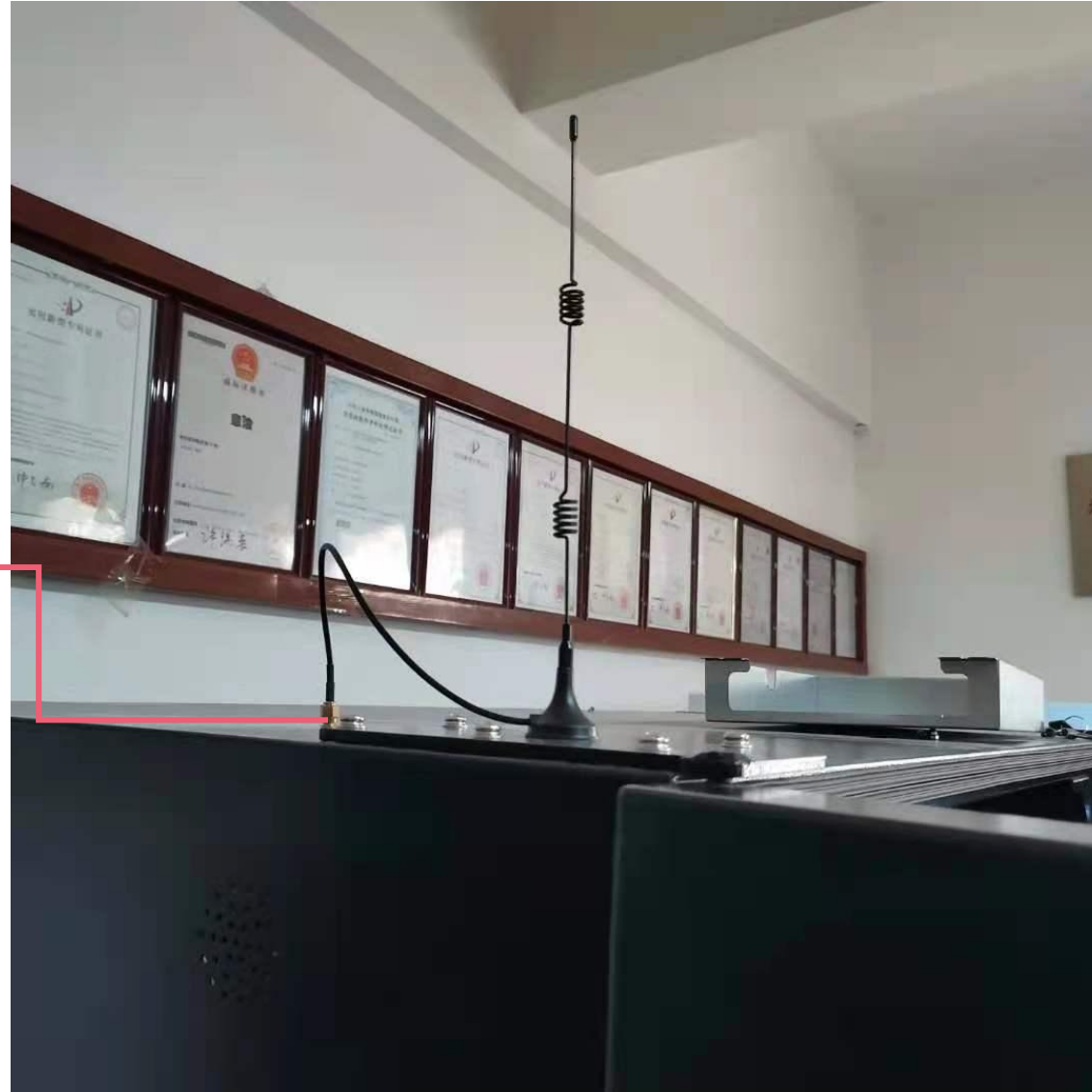


## 2.17、Precautions for using ice maker

- 1、After the physical installation of the machine, stand the device upright for 24 hours before using it for the first time.
2. The ice maker has three drainpipes, two of which are without plugs and cannot be blocked, and the pipe head cannot be immersed in water. The plug is the drain pipe that drains the water from the ice maker's tank.
- 3, ice machine has requirements for water quality. Do not use unpurified tap water or other water sources.
4. About 1-1.5 hours after the ice machine starts up, the ice will fill the entire ice bucket, and the machine will stop when it is full. When the amount of ice is lower than the full ice detection level, the machine will continue to start. When the ice is full, the motor will also turn the ice bucket every 15 minutes to stir the ice, so as to avoid the ice from congealing into chunks inside the ice bucket. If there is no ice or a no ice error is reported on the small screen inside the device, it may be caused by condensation of ice in the ice bucket. You need to check and clean the ice bucket in time; otherwise, the ice maker may fail.
5. The right air inlet and rear air outlet of the equipment should be kept at least 15cm away from the wall or cabinet body to ensure the heat dissipation effect.
6. If the ice maker is not used for a long time, it is necessary to clean up the remaining ice in the ice bucket in time, open the drain plug, and empty the internal residual water.
7. If ice cubes condense in the ice bucket after power failure of the ice maker, it is necessary to clean the ice bucket and stand for more than 2 hours before starting the machine.
8. When handling equipment, do not dump or invert the equipment. After handling, it needs to stand for 24 hours before turning on the machine.
- 9, ice electromagnet is a hot component, if frequent ice may cause it to trigger heat protection, it needs to wait for cooling to work normally.
10. If the amount of ice is incorrect and the deviation is large, it is necessary to carry out calibration and weighing on the equipment and use the calibration weight.
- 11, because the ice is a continuous action, so the machine will always produce waste water after opening the ice machine, even if the machine is not frequently used, it is necessary to clean or check the waste water bucket at least once every two days, and timely dump the waste water.

## 2.18、 The antenna installation

Antenna must  
be tight

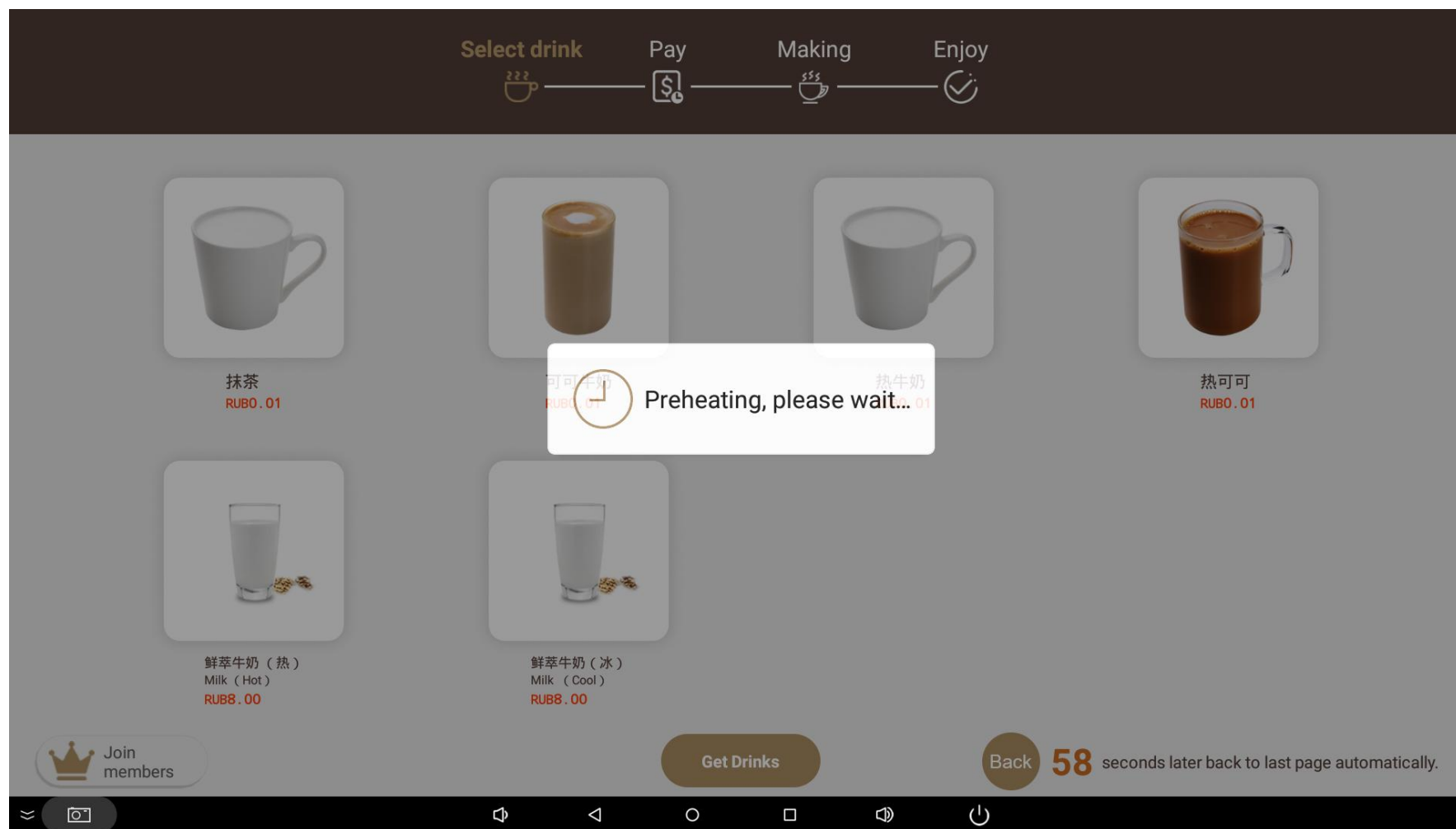


## 3、 software interface

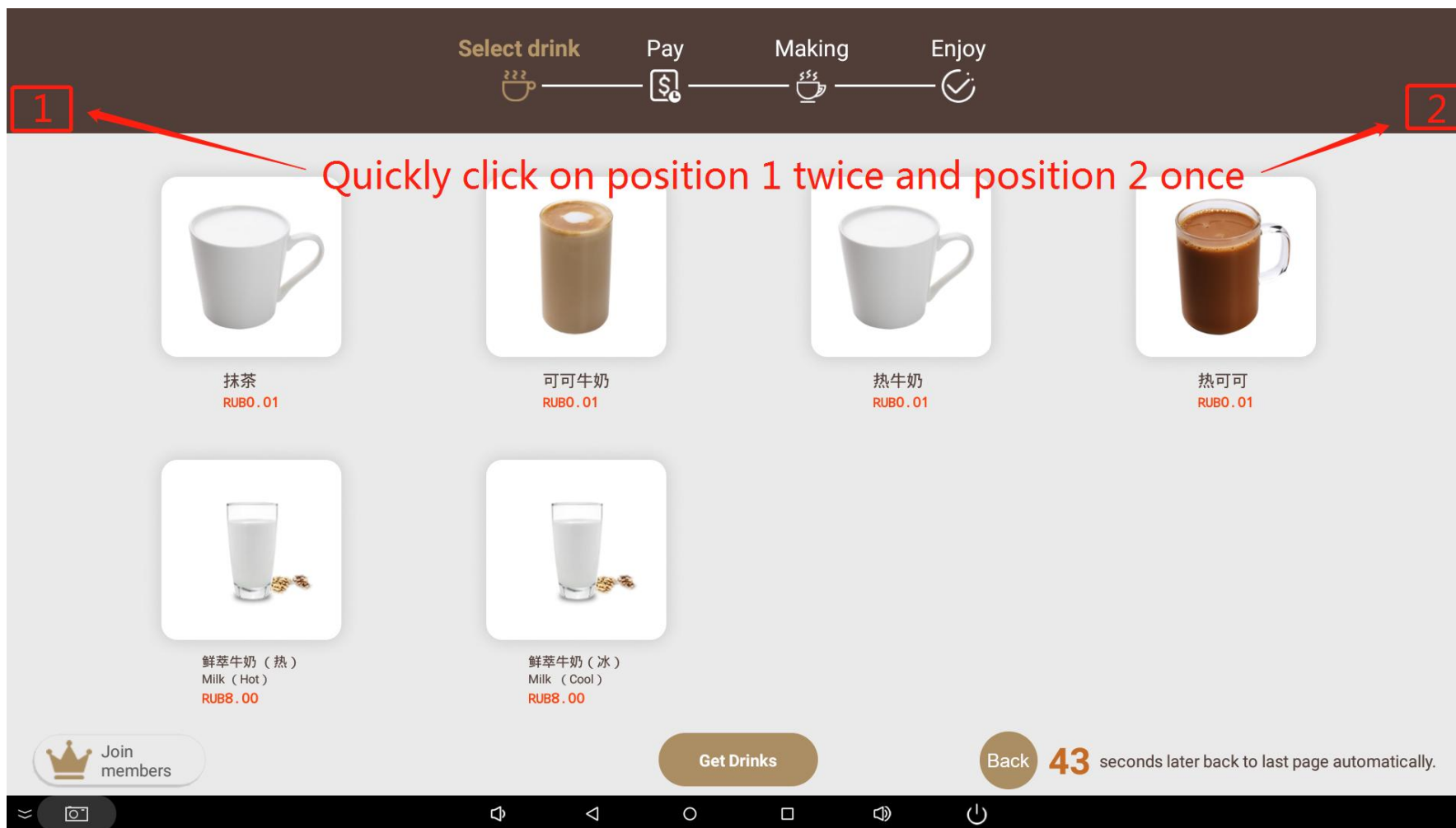
1. Switch account
2. Related settings and records
3. Order introduction



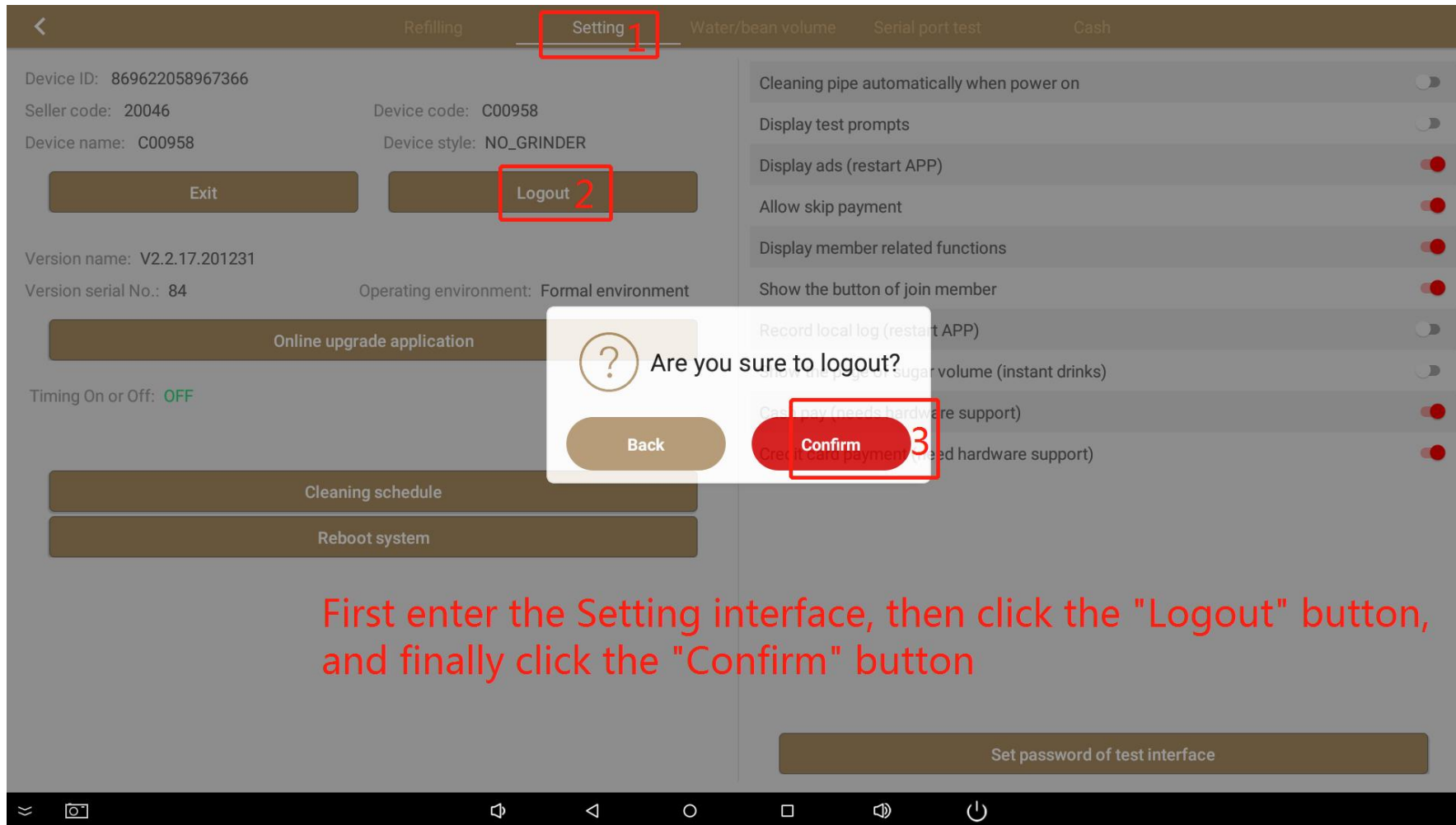
### 3.1.1、The water in the water tank is heated



### 3.1.2.1、Switch login account



## 3.1.2.2、Switch login account





### 3.1.2.3、Switch login account

The screenshot shows a mobile application's login screen. At the top, there is a header with a back arrow, a 'Login' button, and the text 'Formal environment V2.2.17.201231'. Below the header, the screen displays 'Device ID: 869622058967366' and 'Sim serial No.: 89860420011973395351'. The main area contains two input fields: the first is labeled '20046' and the second is labeled 'Please enter password'. A red box highlights a list of serial port numbers: 'Serial port of instant: /dev/ttyS3', 'Serial port of grinder: /dev/ttyS2', and 'Serial port of pay: /dev/ttyS0'. On the right side, there are three 'Setting' buttons and a right-pointing arrow button. At the bottom, there is an Android-style navigation bar. Red annotations and arrows are overlaid on the screen to guide the user through the login process.

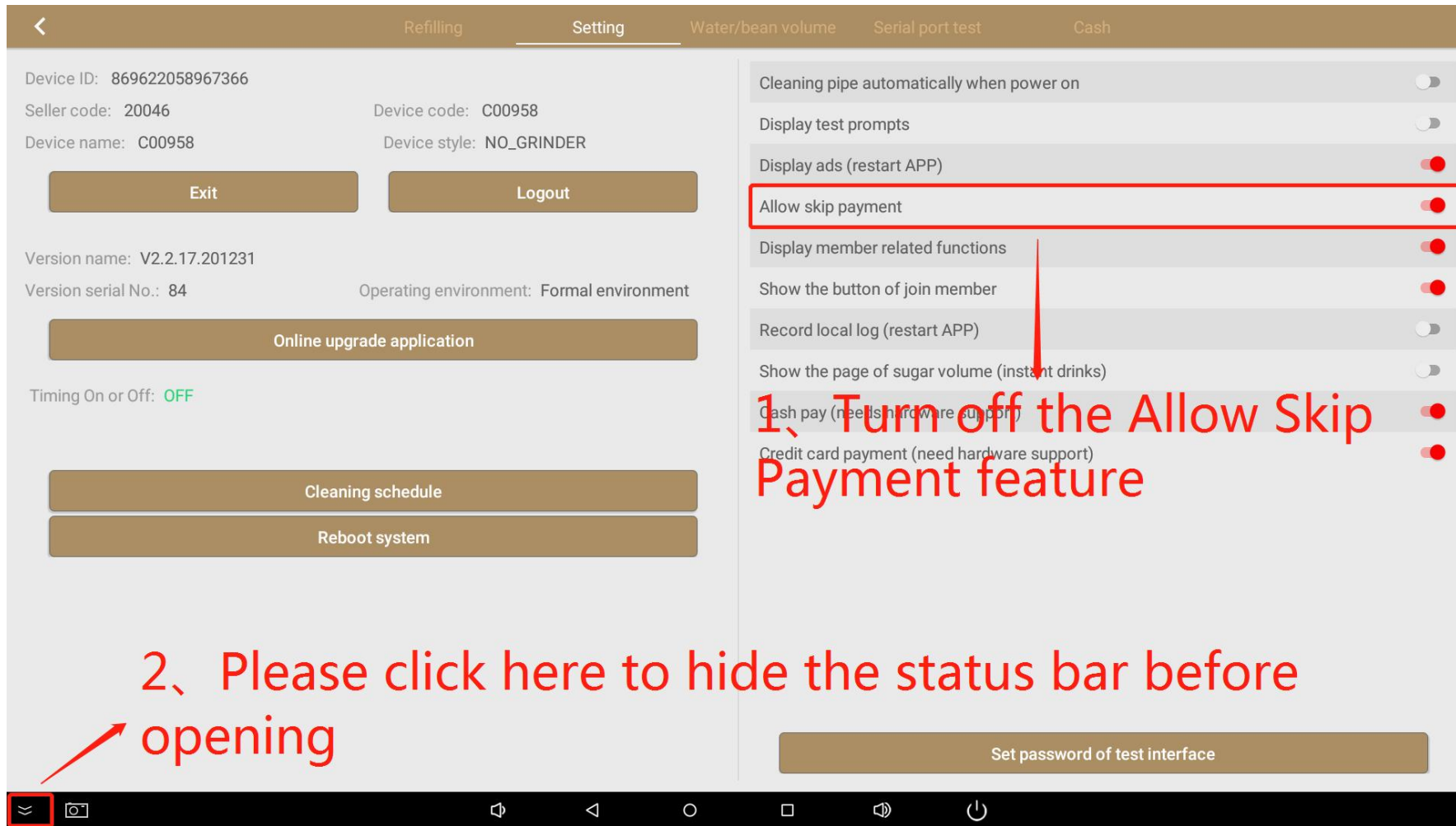
2、 Please enter your account

3、 Please enter your own password

4、 Click to log in

1、 Please take a picture of the serial port number and save it

### 3.2.1、Function setting



### 3.2.2、Material quantity supplement setting

Refilling Setting Water/bean volume Serial port test Cash

Ingredient	Current / Max	Action
Ingredient 1 原料1	995 / 1000	Refilling
Ingredient 2 原料2	1000 / 1000	Refilling
Ingredient 3 原料3	996 / 1000	Refilling
Ingredient 4 原料4	1000 / 1000	Refilling
Ingredient 5 原料5	1000 / 1000	Refilling
Ingredient 6 原料6	0 / 1000	Refilling
Ingredient 7 原料7	0 / 1000	Refilling
Cup road Paper cup	999 / 1000	Refilling

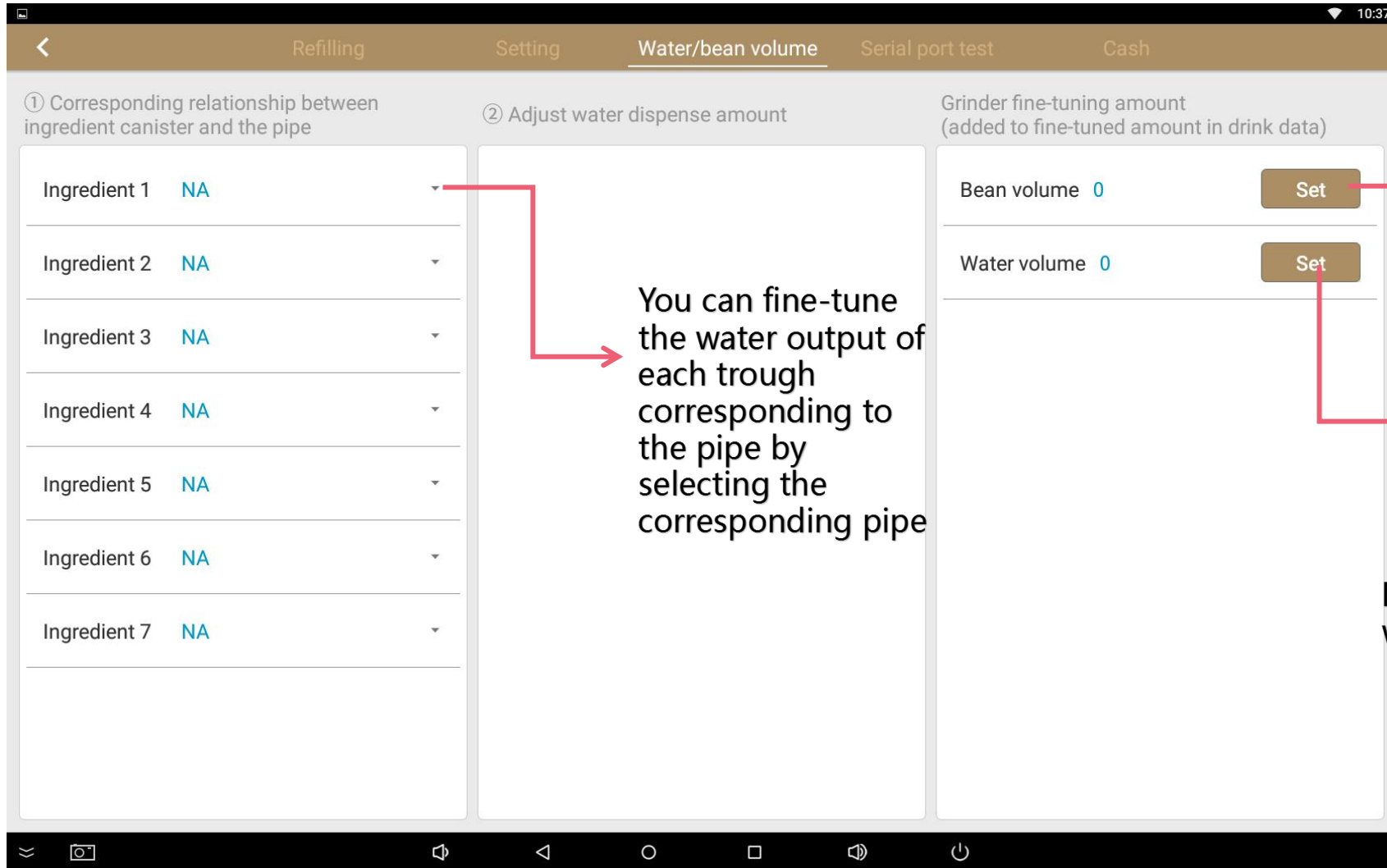
1、click the "Refilling" button

2、Enter the number that needs to be added. The first number 0 represents the current remaining value, and the back 1000 represents the maximum value of supplementary materials

3、click here Upload information

Upload refilling information

### 3.2.3、 Water volume and bean volume settings



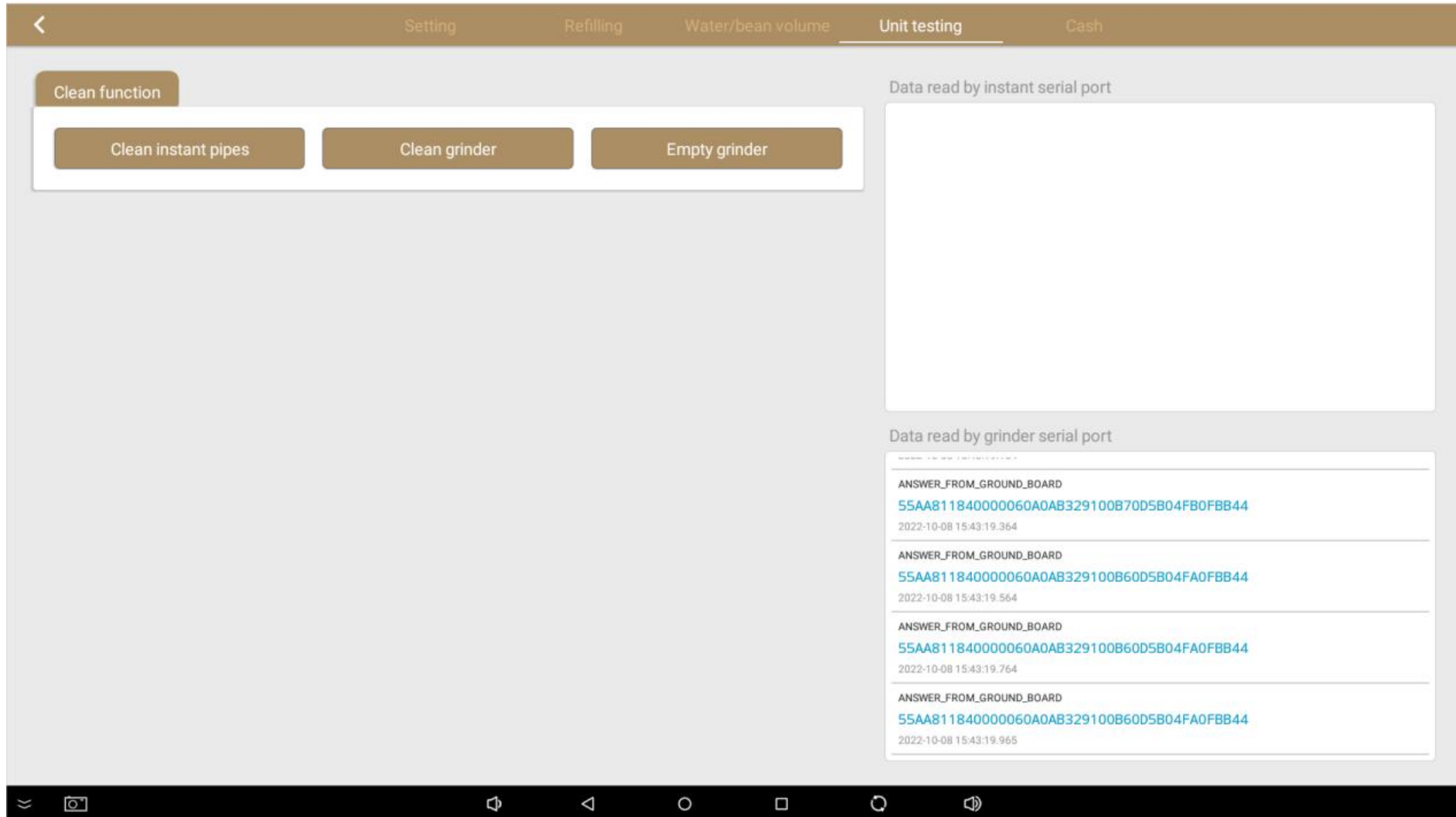
You can fine-tune the water output of each trough corresponding to the pipe by selecting the corresponding pipe

The recommended amount of beans is set to -16 to -14

No need to set the water volume here



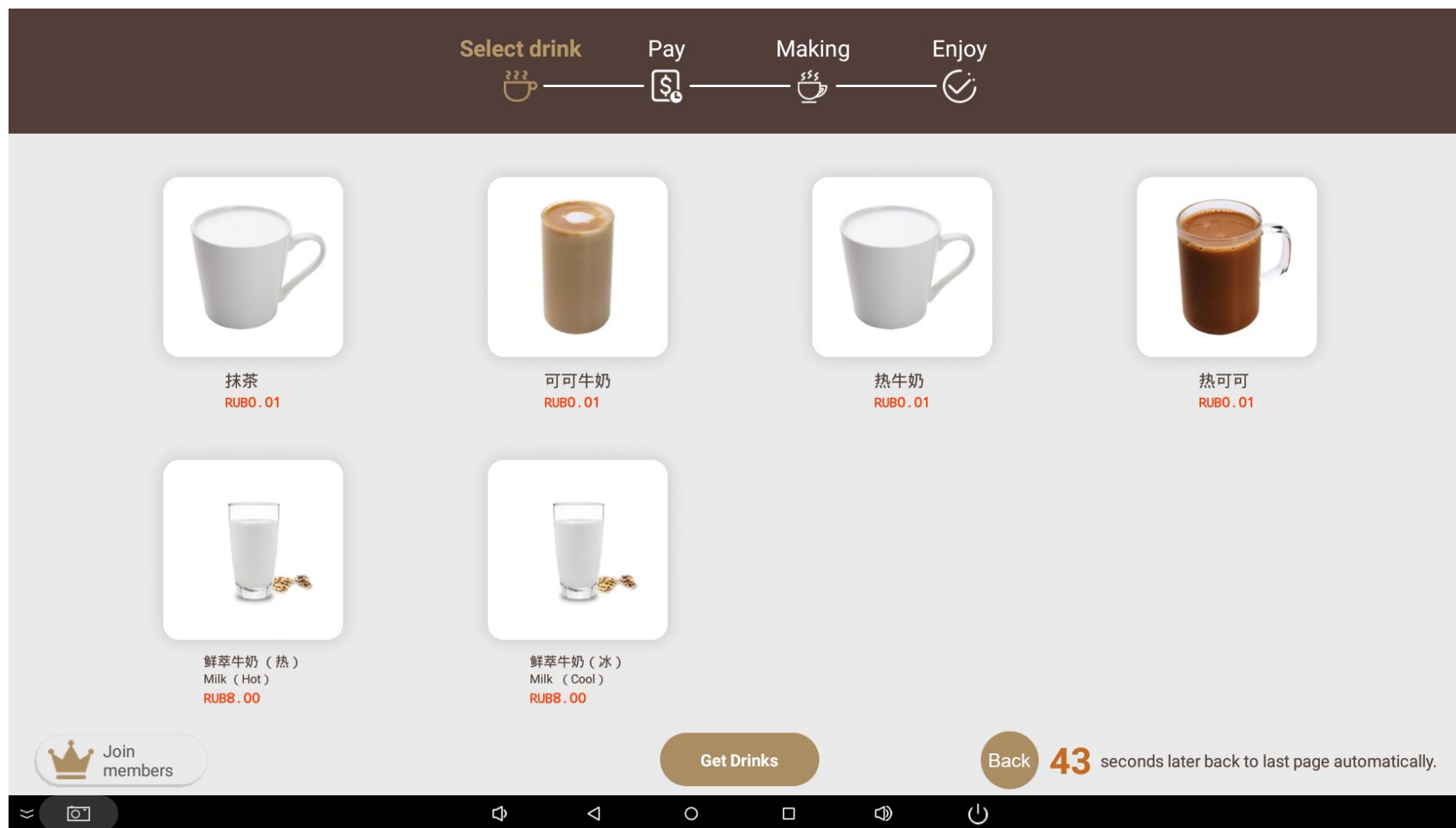
## 3.2.4、Unit test



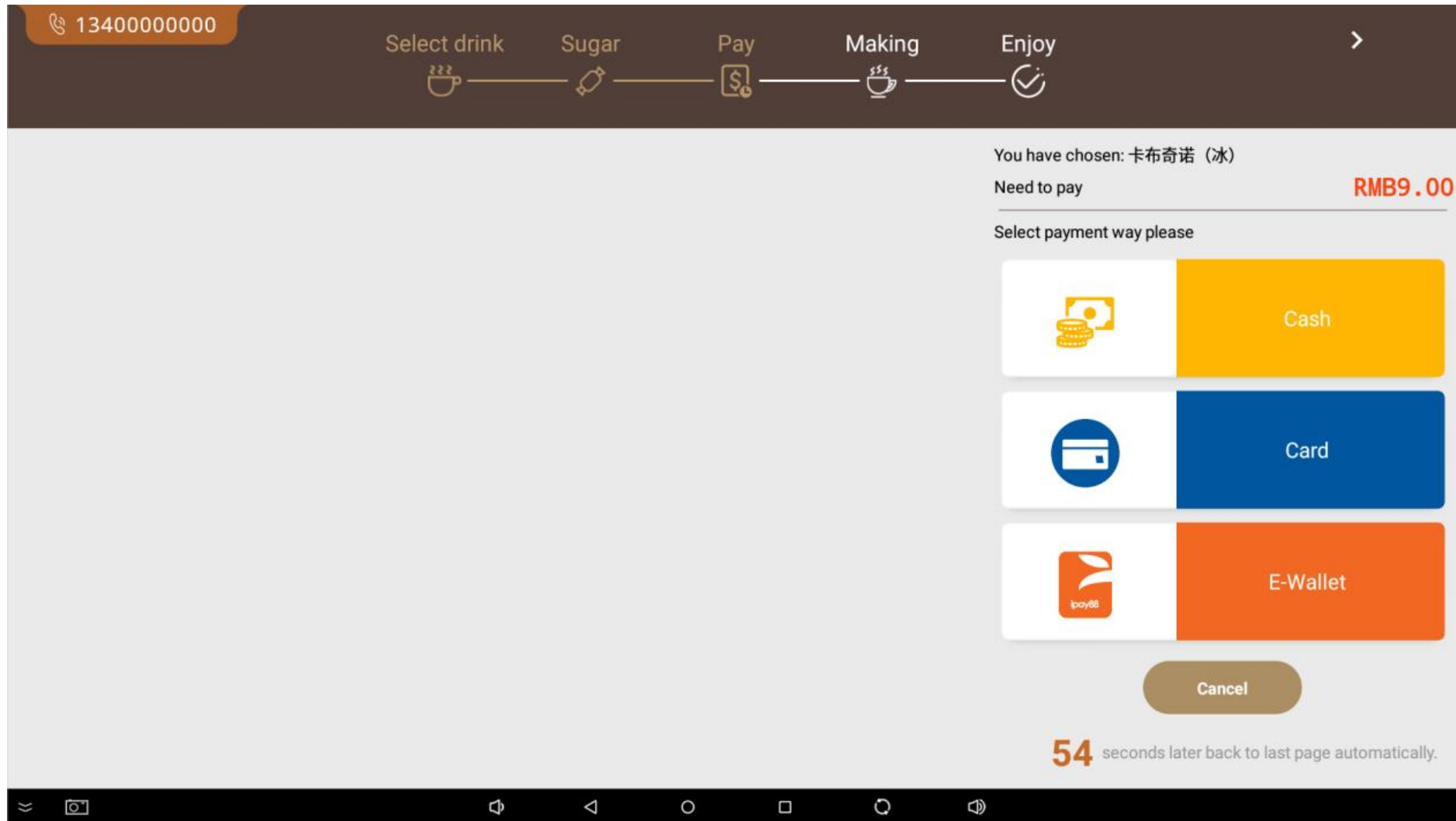
## 3.2.5、 The Cash interface needs to be taken and saved

Currency code (three letters)	RUB
Banknote conversion ratio between min currency value and main currencies	1
Coin conversion ratio between min currency value and main currencies	1
Value of coin change	1
Card reader conversion ratio between min currency value and main currencies	100

### 3.3.1、Trading interface introduction

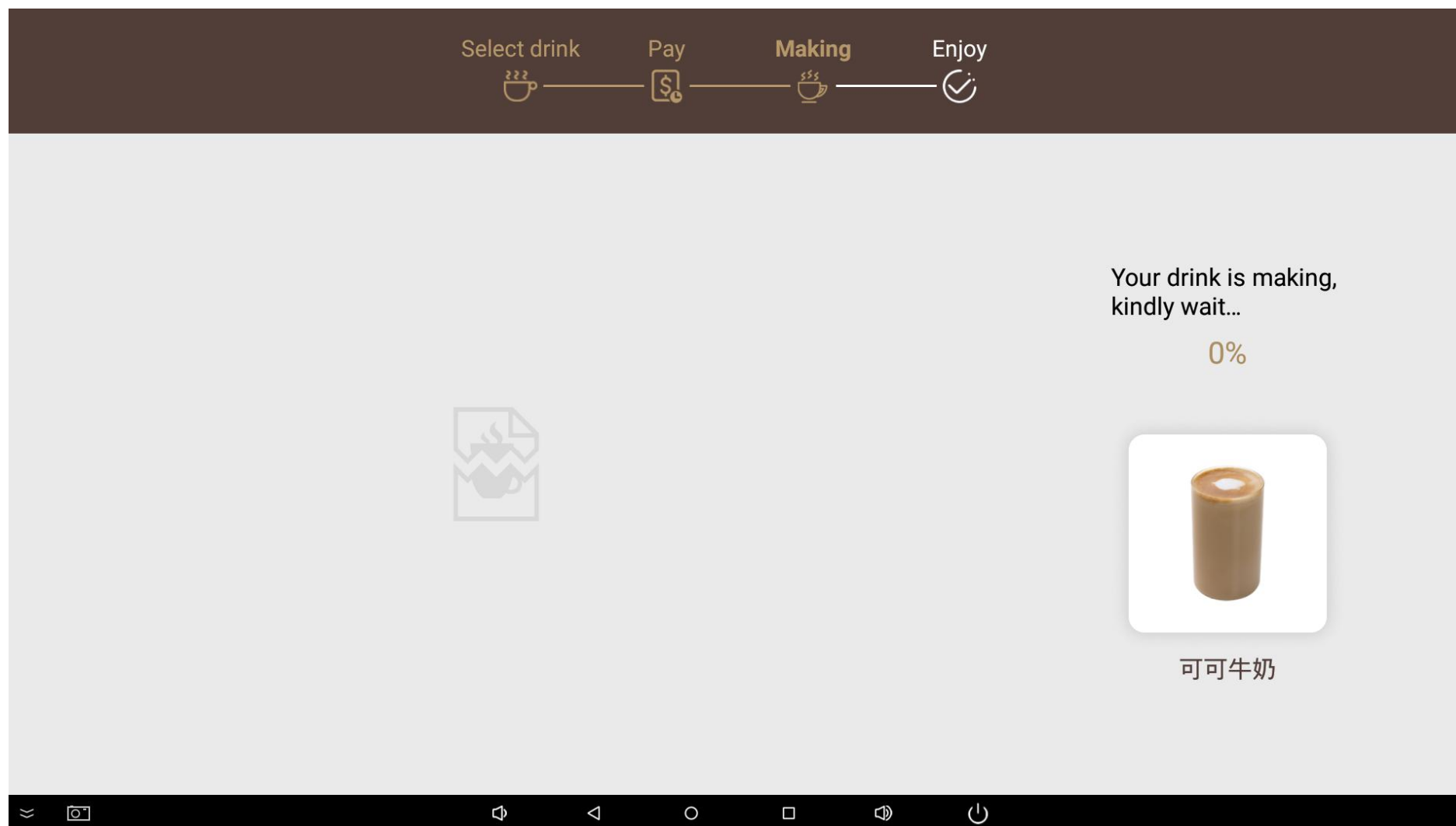


## 3.3.2 Payment interface introduction





### 3.3.3、 Drink preparation waiting interface

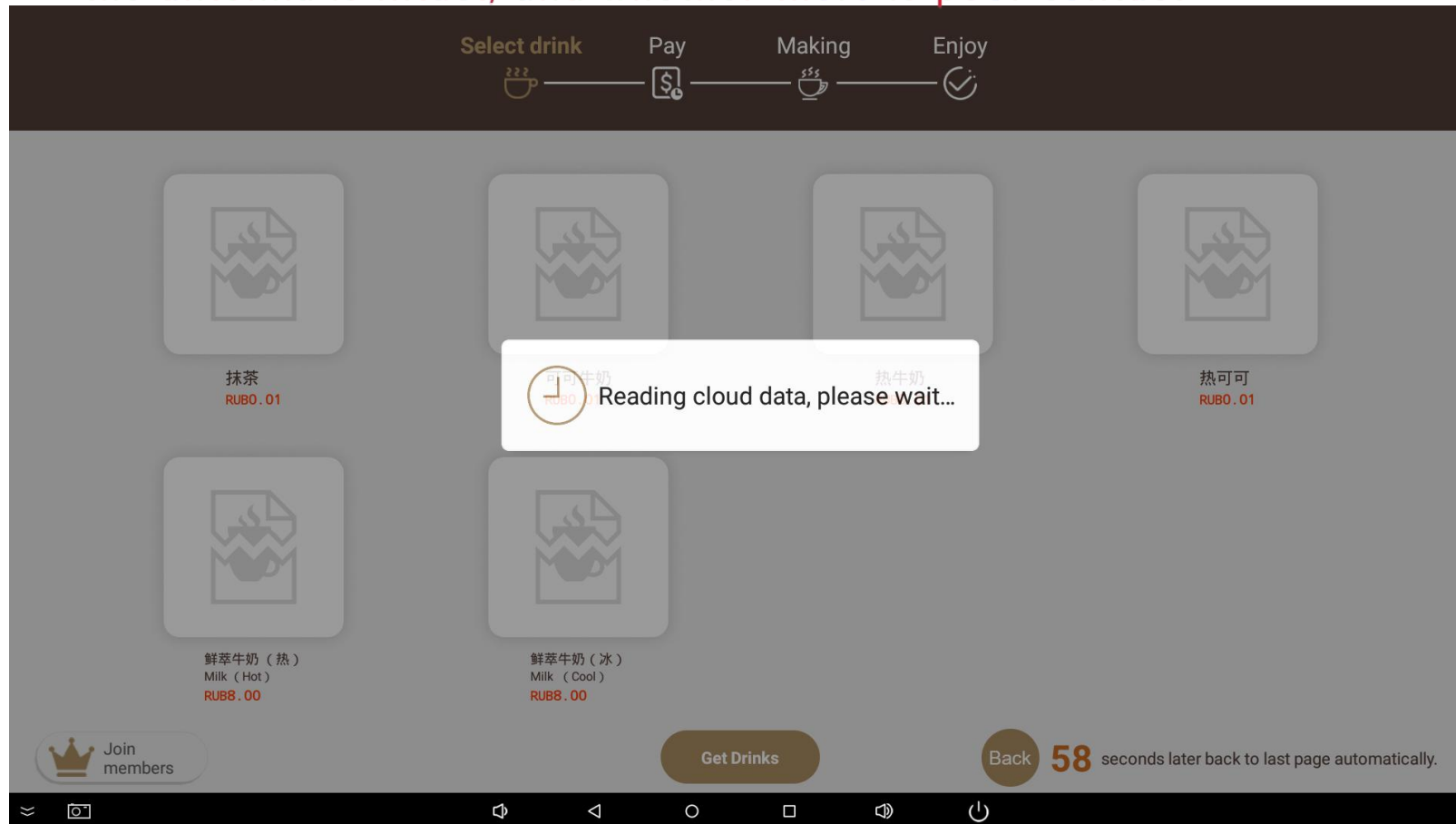


## 4、 Common faults and solutions

- 1. Network failure
- 2. Insufficient material failure: E01, E02, E03 code
- 3. Report E11 code
- 4. Report E0002 code
- 5. Common setup issues

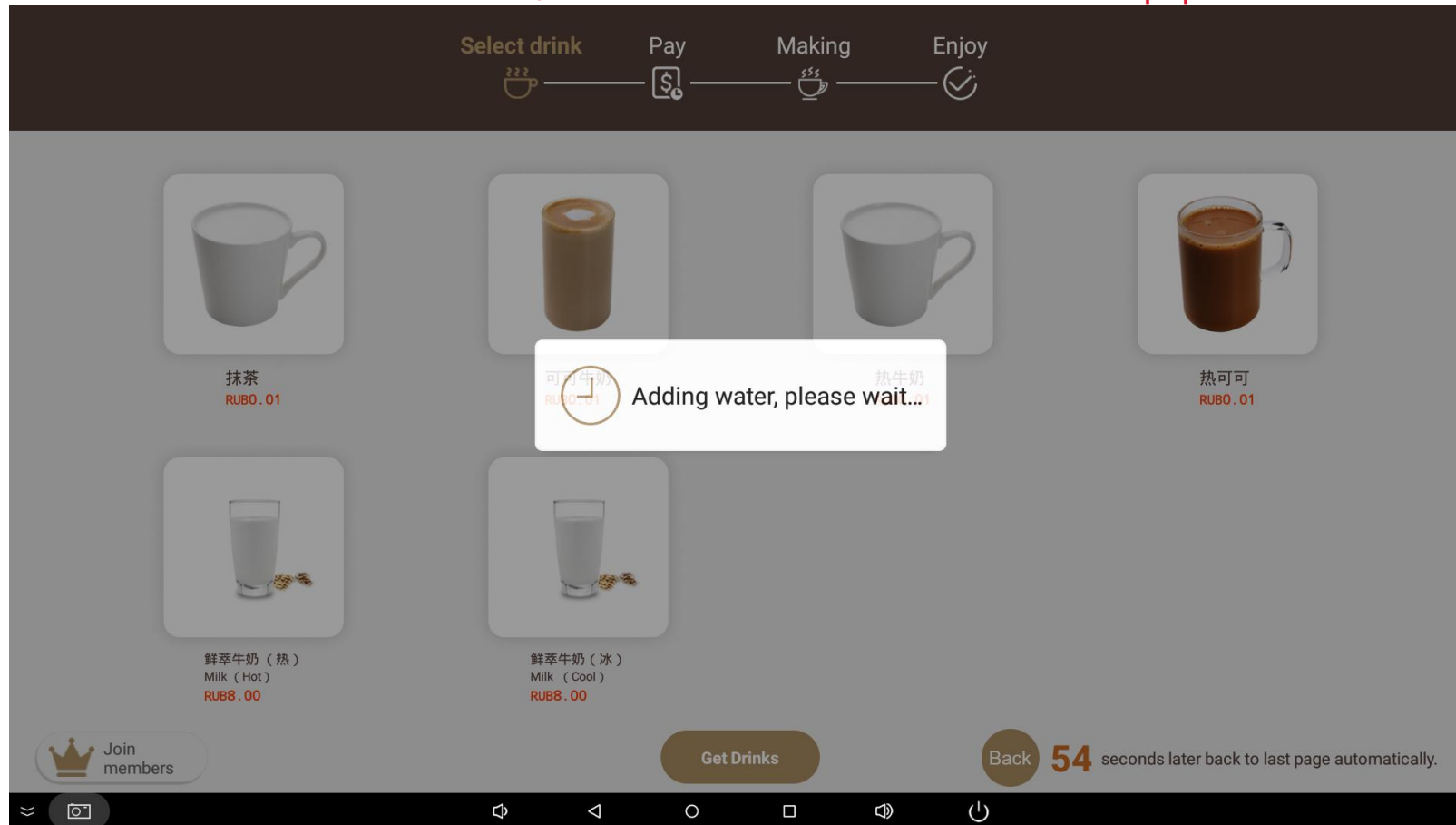
## 4.1、Network failure

- We need to check the network status. For example, the
- status of the SIM card, whether the SIM card is installed, whether
- the antenna is intact, and whether there is poor contact



## 4.2.1、Fault code E01

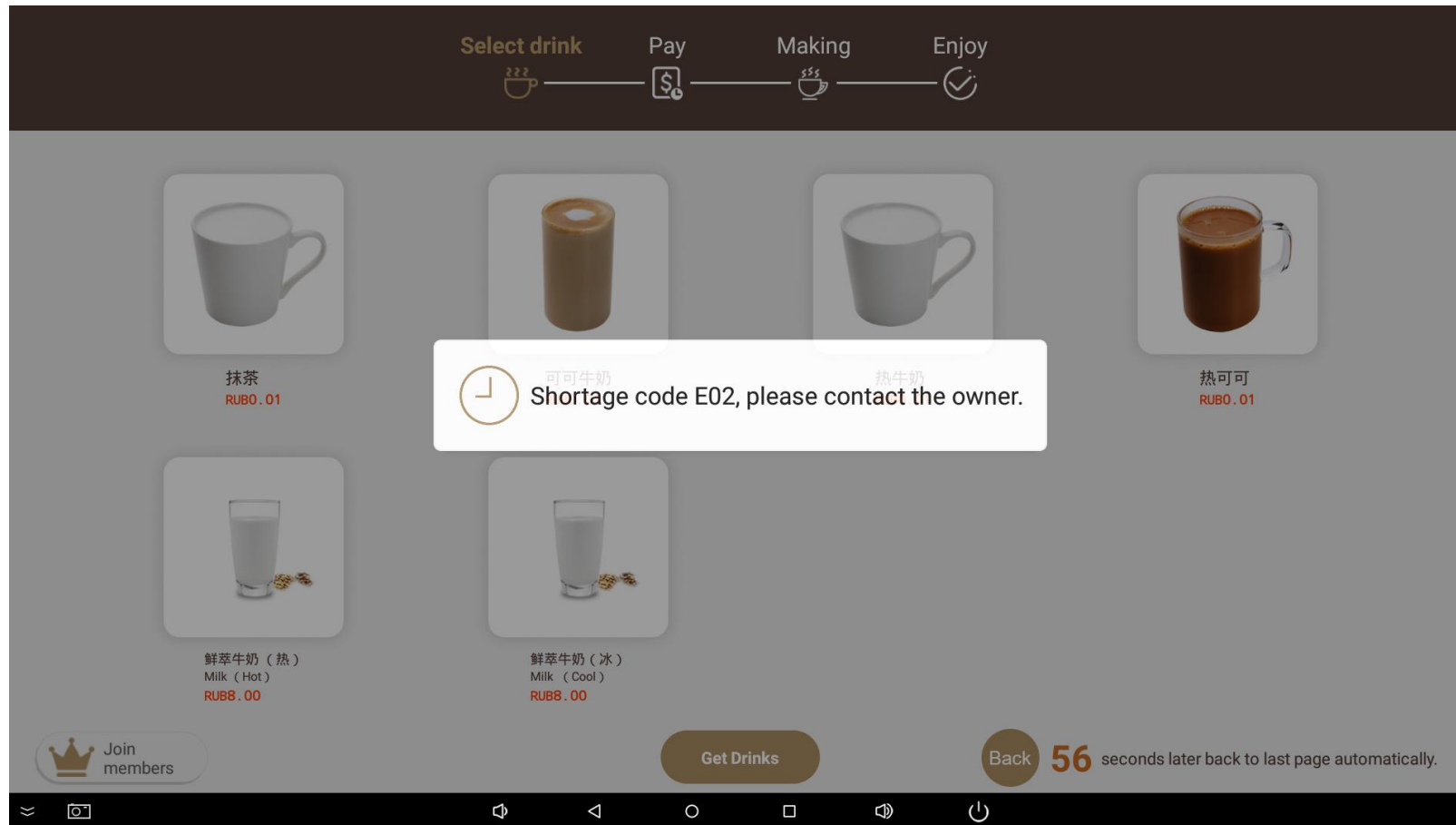
- Insufficient water in the equipment, check whether the bottled
- water is sufficient, check whether the water pump sinks to the
- bottom of the bucket, and check whether the water pipe is bent





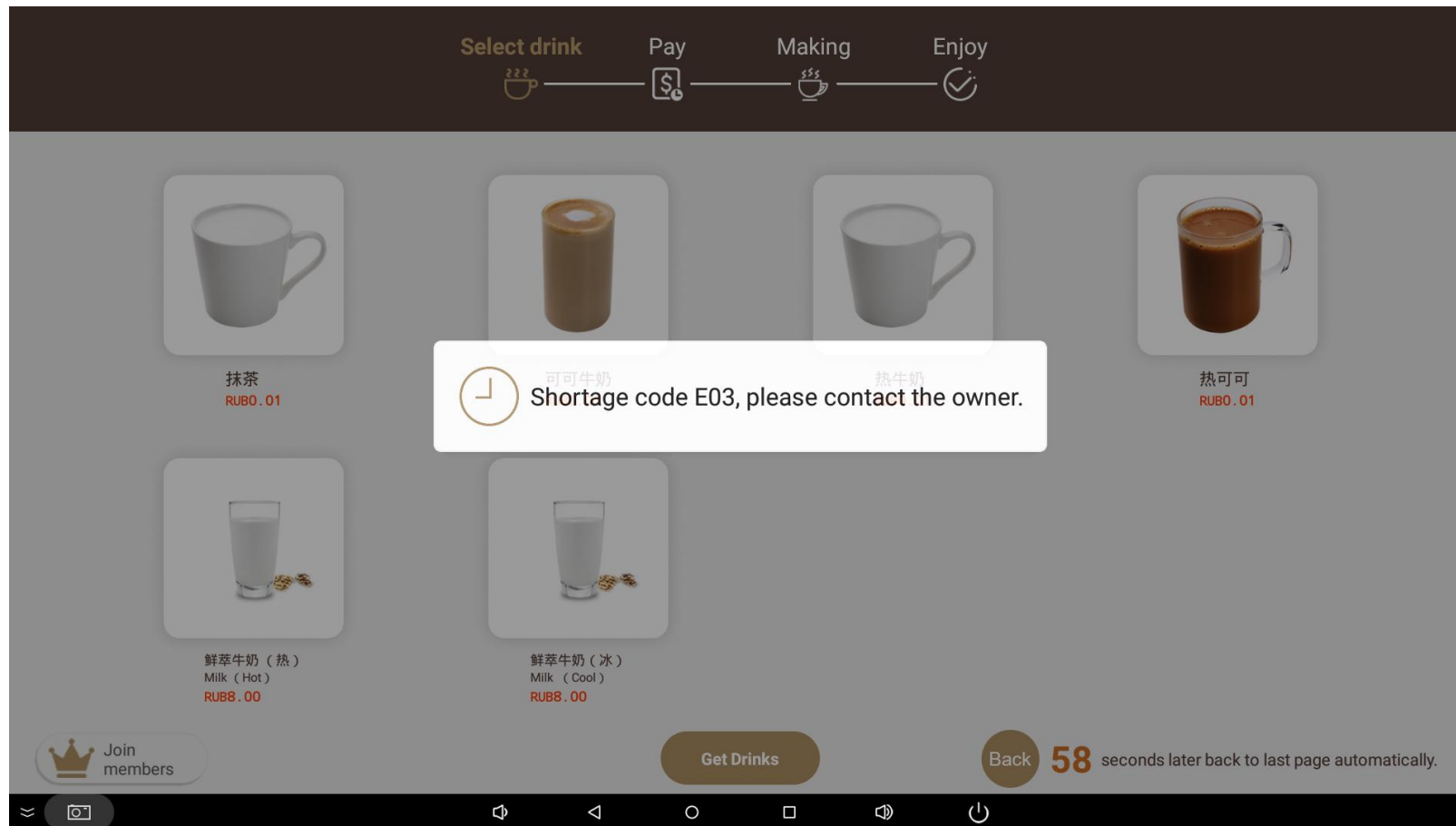
## 4.2.2、Fault code E02

- Insufficient paper cups, check whether the paper cups are
- enough, enter the APP management interface, "Refilling"
- page checks whether it has been "Refilling"



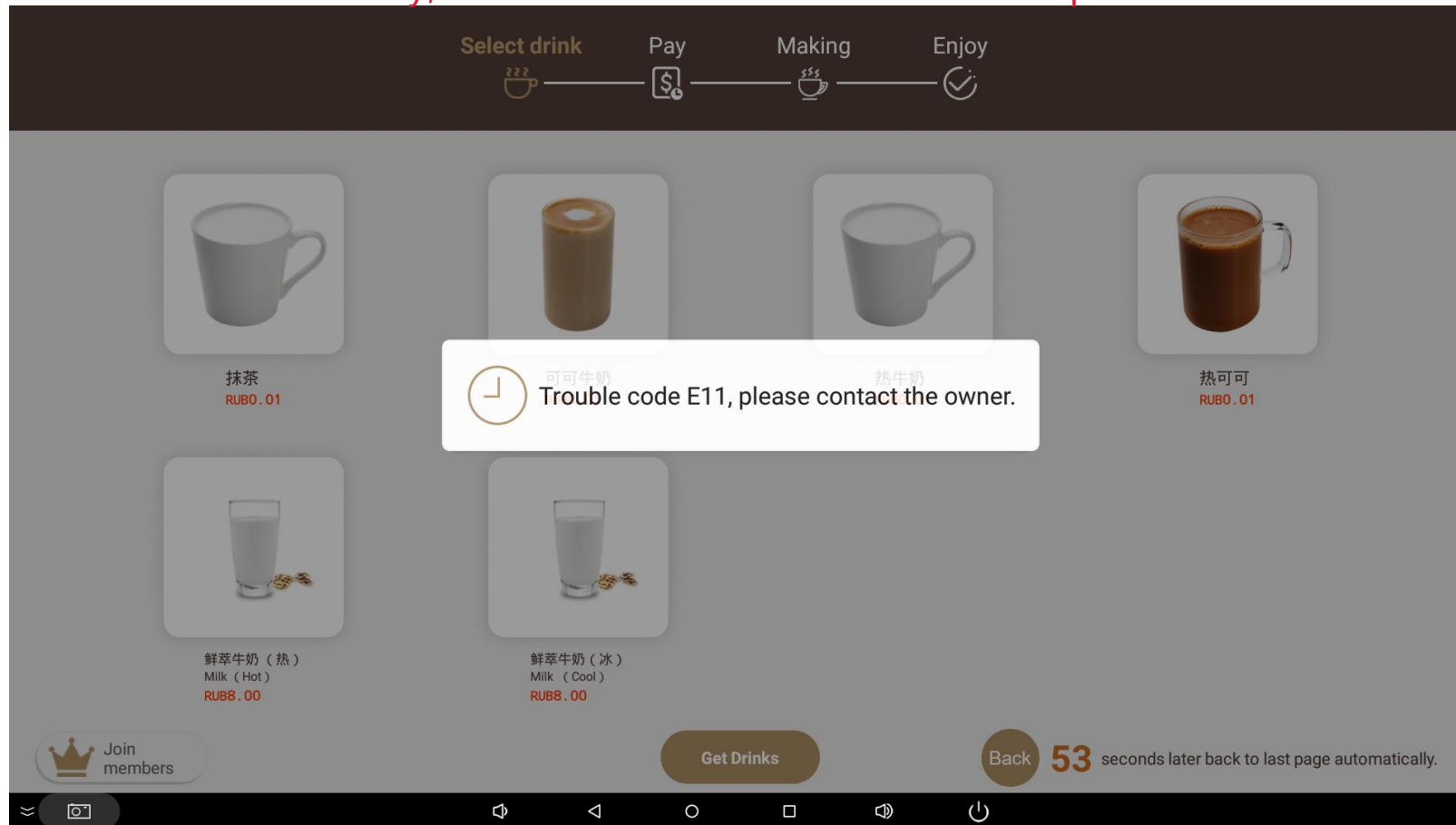
## 4.2.3、Fault code E03

- At the same time lack of water and cup, the inspection
- method is the same as above

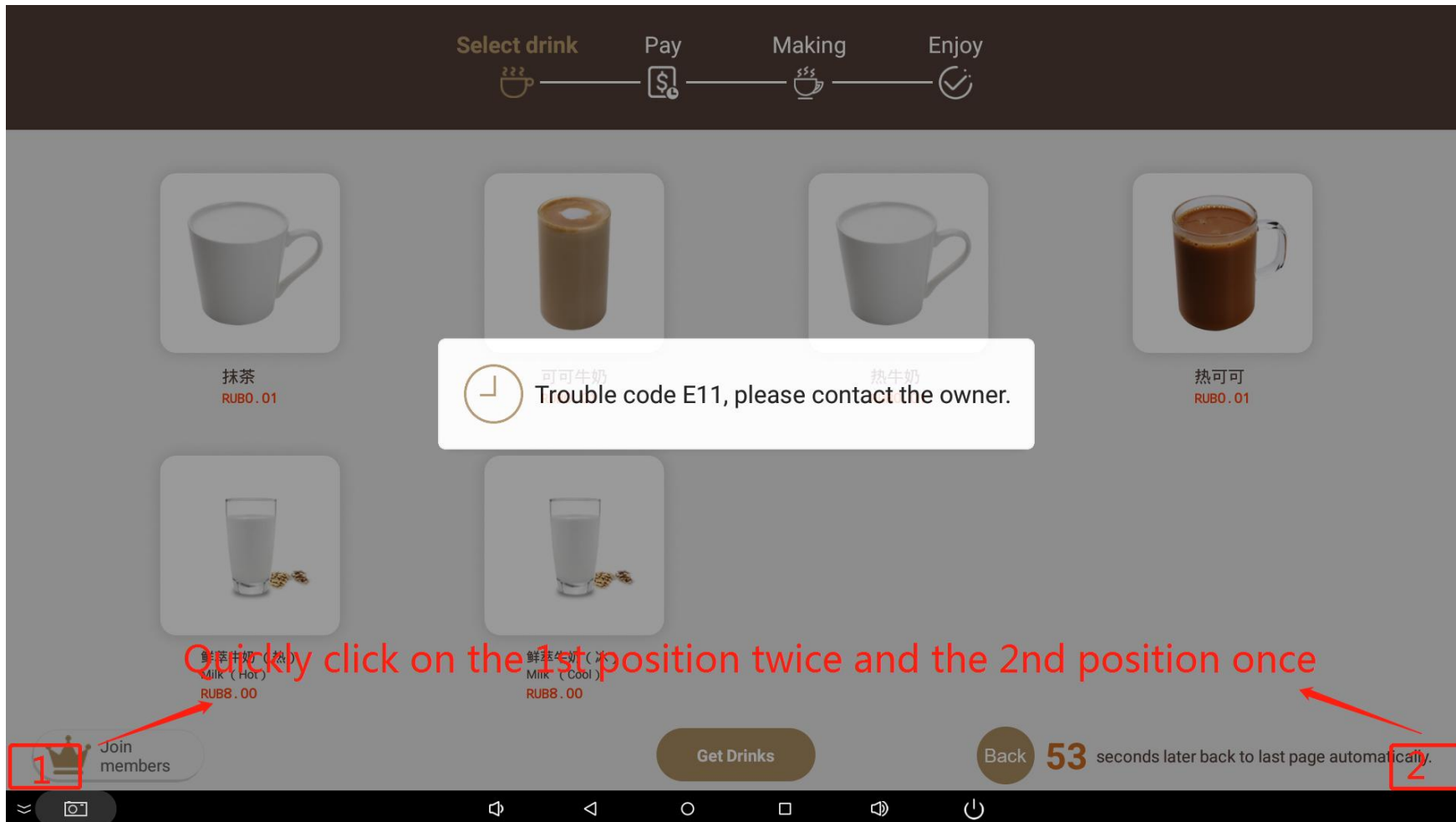


## 4.3.1、Fault code E11

- The fault code E11 means that the communication is not
- smooth, you need to check whether the serial port number
- is set incorrectly, and whether the main board is powered on



## 4.3.2.1、Modify serial port number



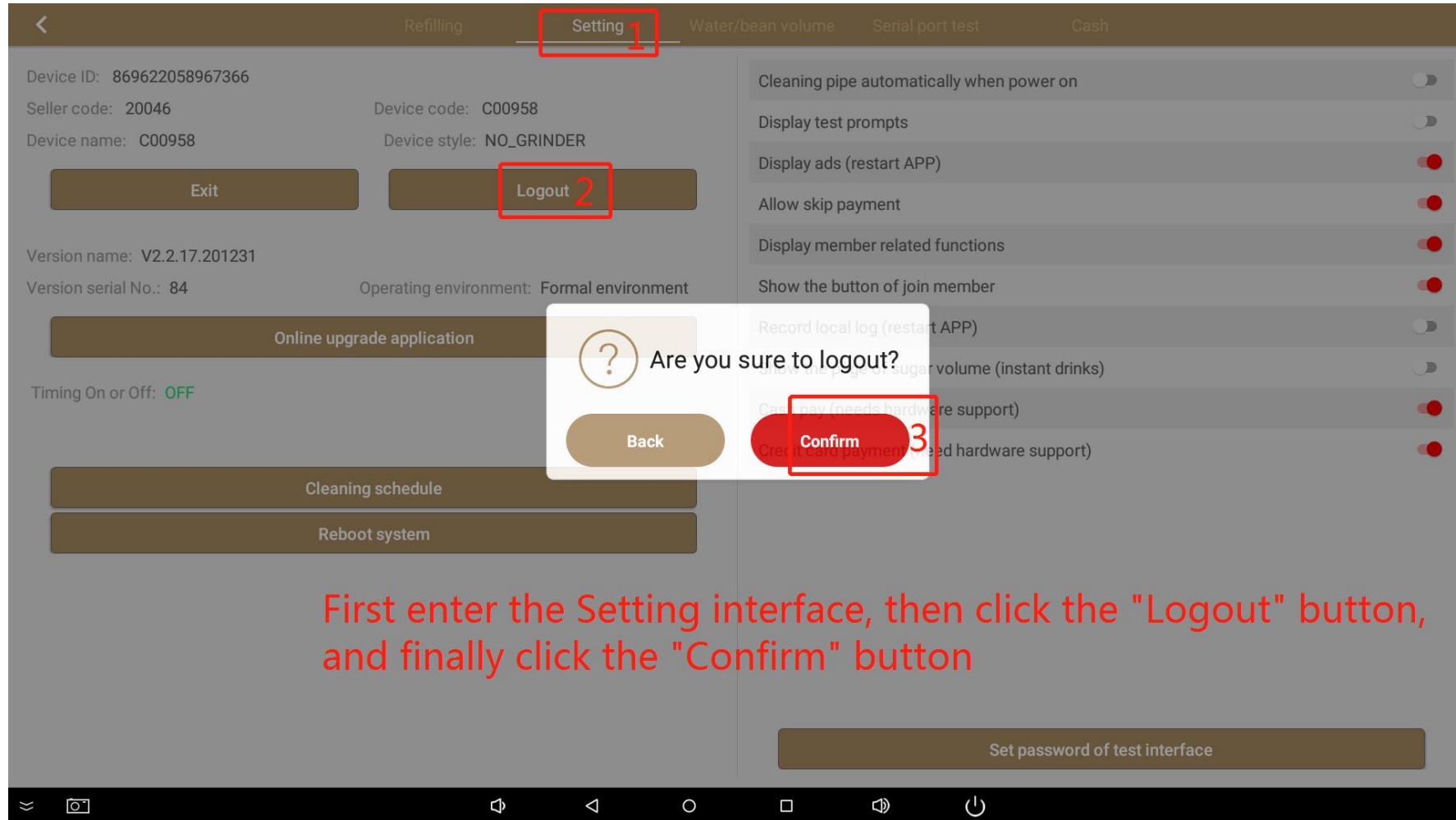
Quickly click on the 1st position twice and the 2nd position once

1

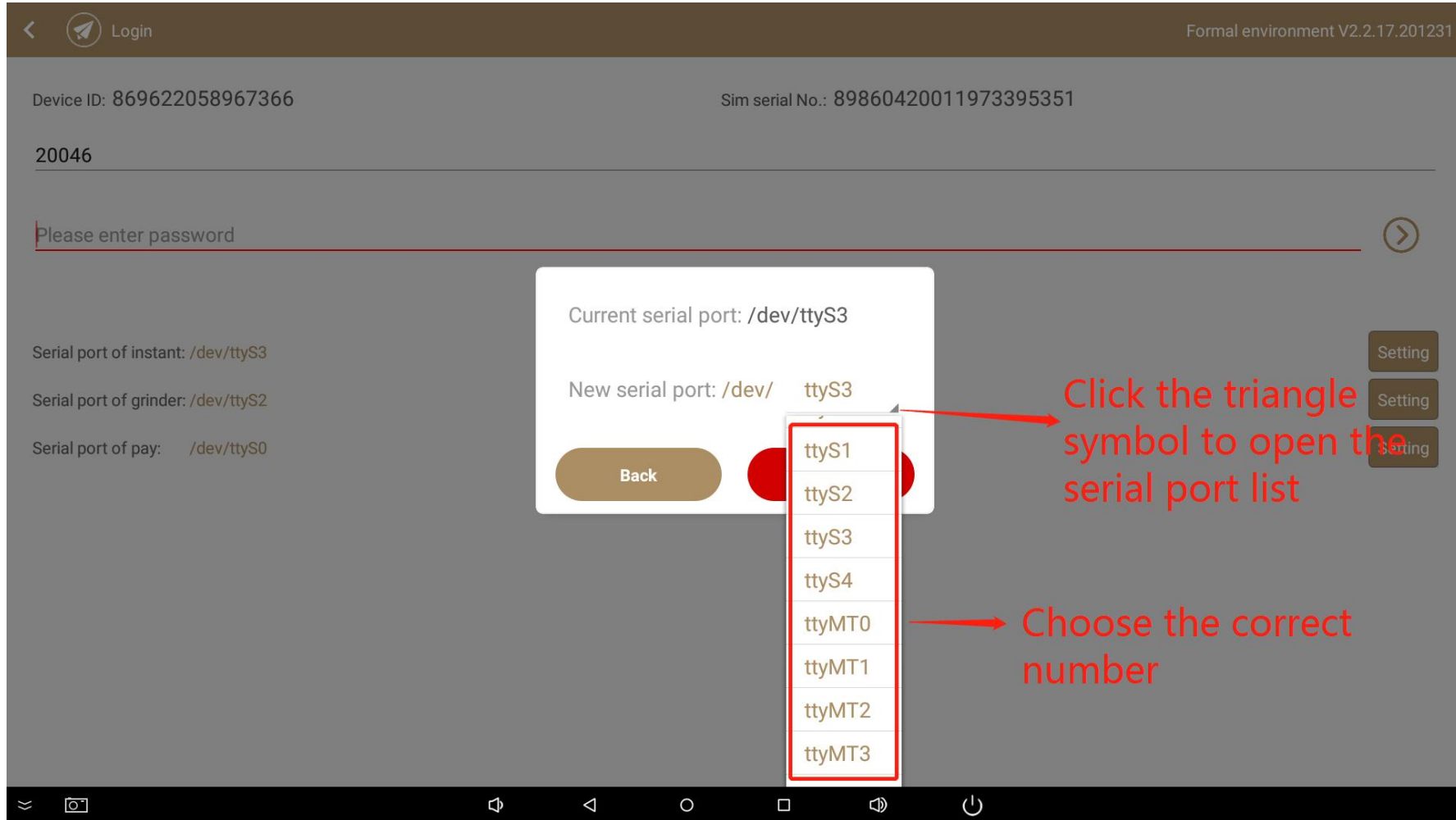
2



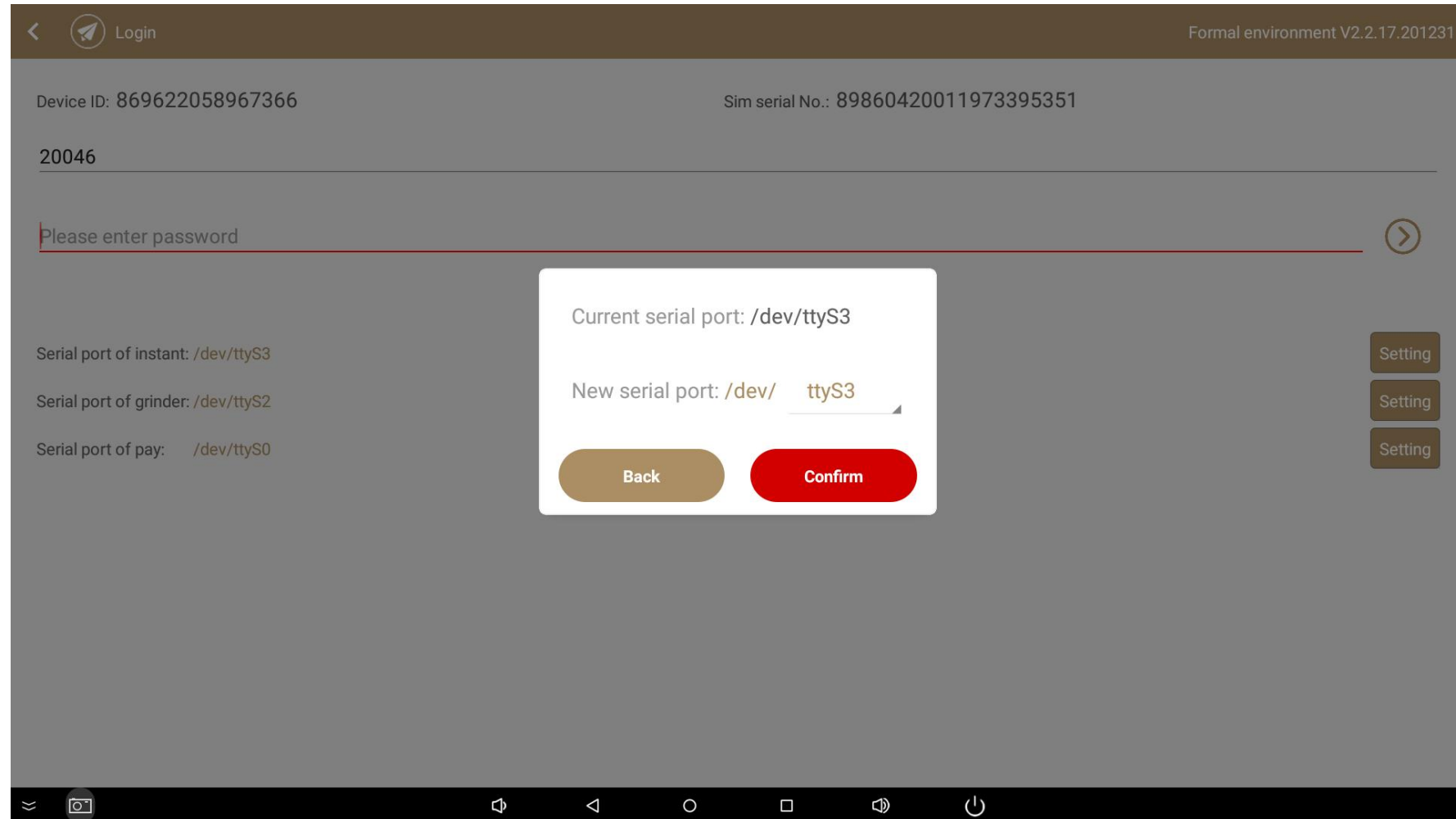
## 4.3.2.2、Modify serial port number



### 4.3.2.3、Modify serial port number



## 4.3.2.4、Modify serial port number



## 4.3.2.5、Modify serial port number

The screenshot shows a mobile application interface for a login screen. At the top, there is a navigation bar with a back arrow, a 'Login' button, and the text 'Formal environment V2.2.17.201231'. Below the navigation bar, the screen displays 'Device ID: 869622058967366' and 'Sim serial No.: 89860420011973395351'. The main content area contains a login form with a text input field containing '20046', a password input field with the placeholder 'Please enter password', and a right-pointing arrow button. To the right of the password field are three 'Setting' buttons. A red box highlights a list of serial port configurations: 'Serial port of instant: /dev/ttyS3', 'Serial port of grinder: /dev/ttyS2', and 'Serial port of pay: /dev/ttyS0'. Red arrows and text annotations provide instructions: '2、 Please enter your account' points to the account field; '3、 Please enter your own password' points to the password field; '4、 Click to log in' points to the arrow button; and '1、 Please take a picture of the serial port number and save it' points to the serial port list box.

Device ID: 869622058967366 Sim serial No.: 89860420011973395351

20046

Please enter password

Serial port of instant: /dev/ttyS3  
Serial port of grinder: /dev/ttyS2  
Serial port of pay: /dev/ttyS0

Setting  
Setting  
Setting

2、 Please enter your account

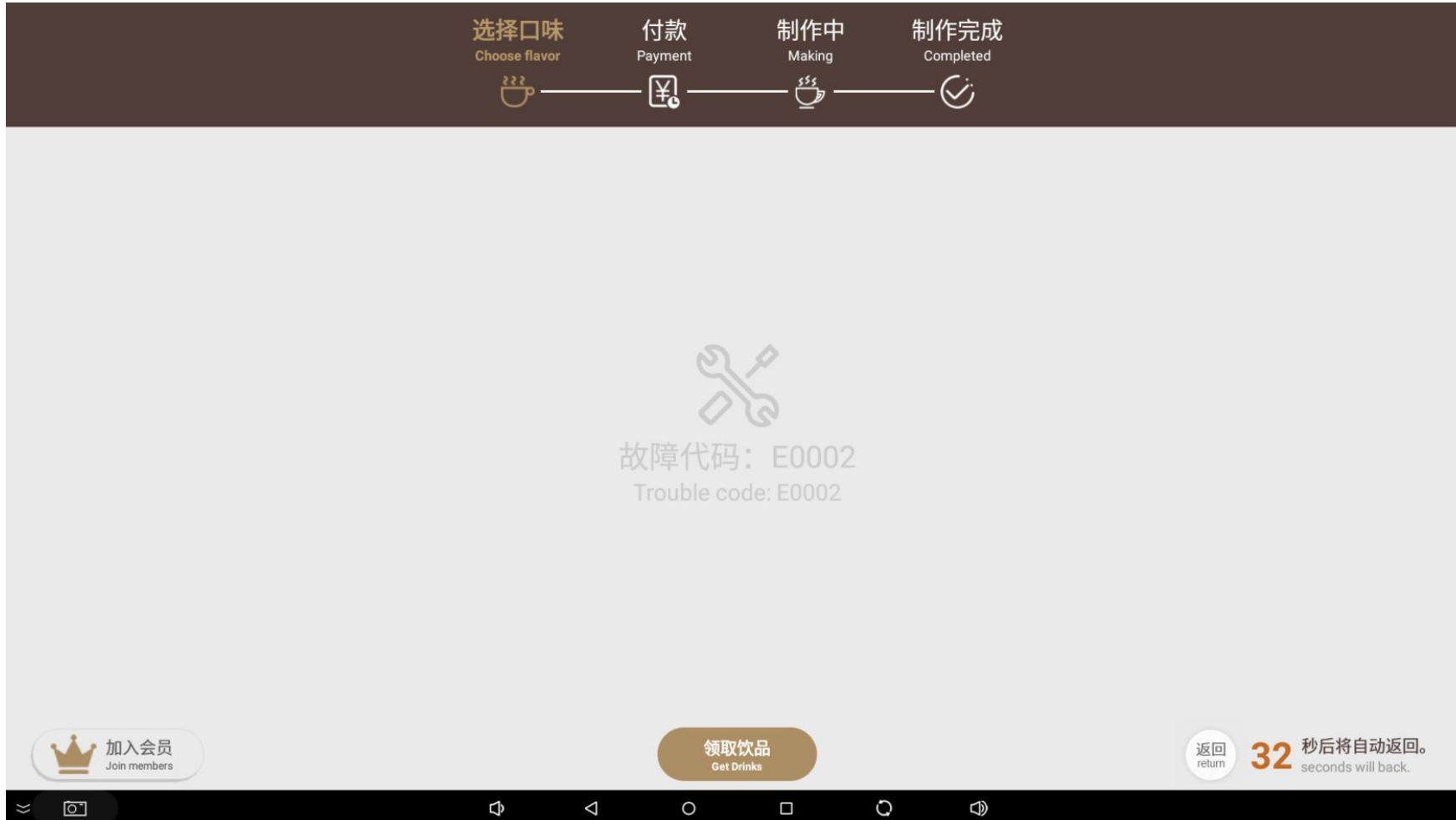
3、 Please enter your own password

4、 Click to log in

1、 Please take a picture of the serial port number and save it

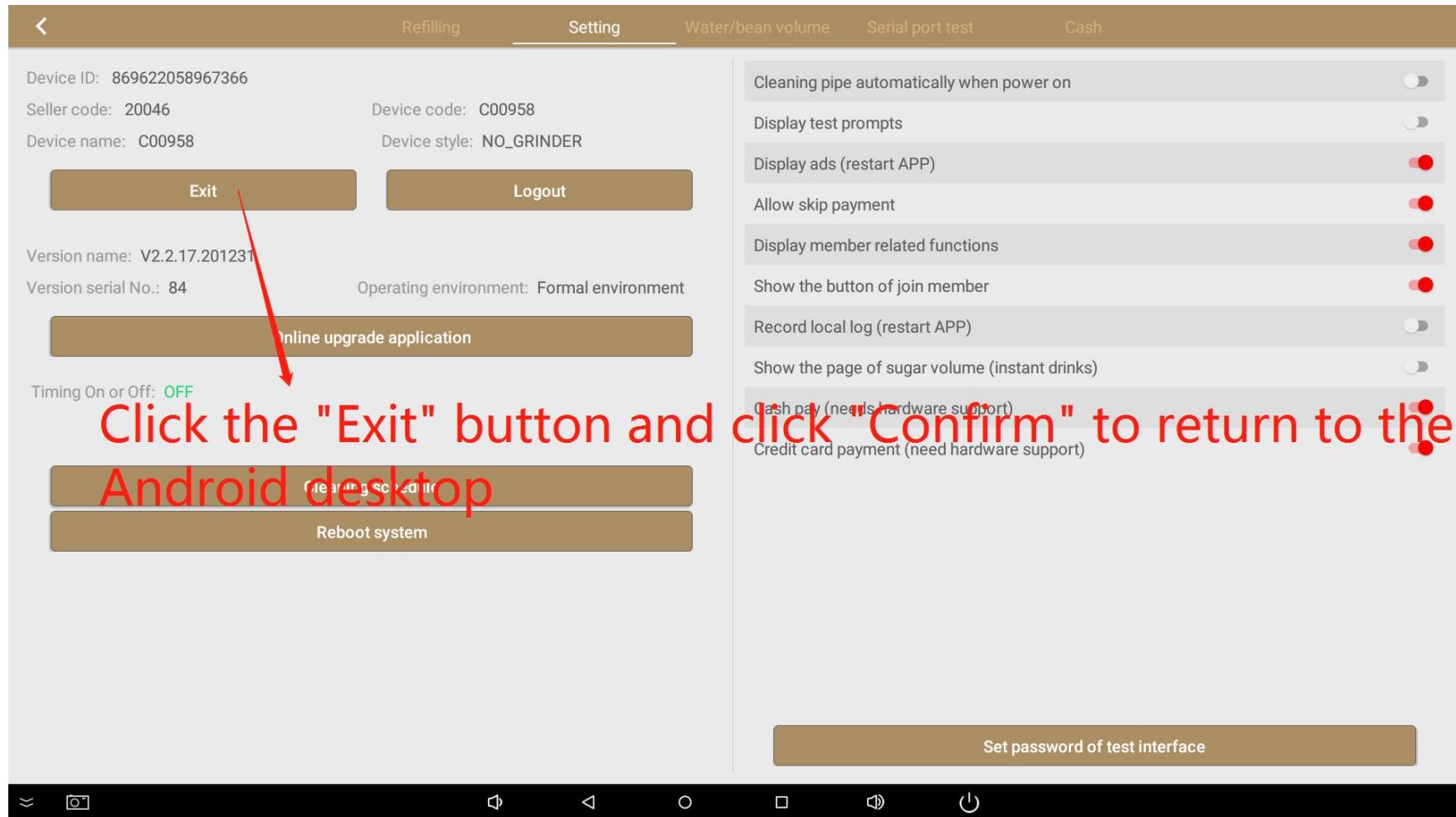
## 4.4、Fault code E0002

- E0002 represents back-office management fee arrears,
- please contact the sales manager for processing

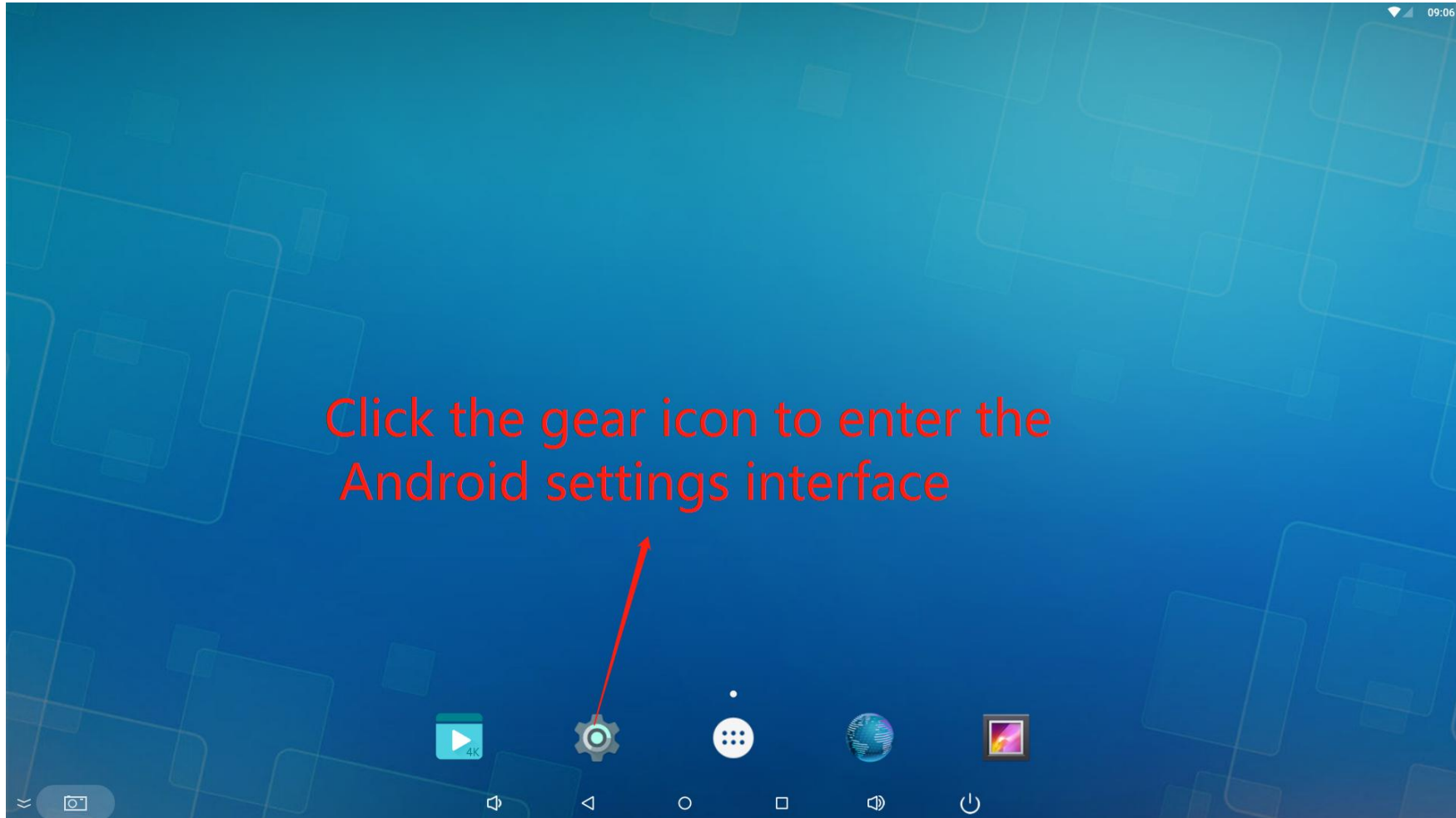




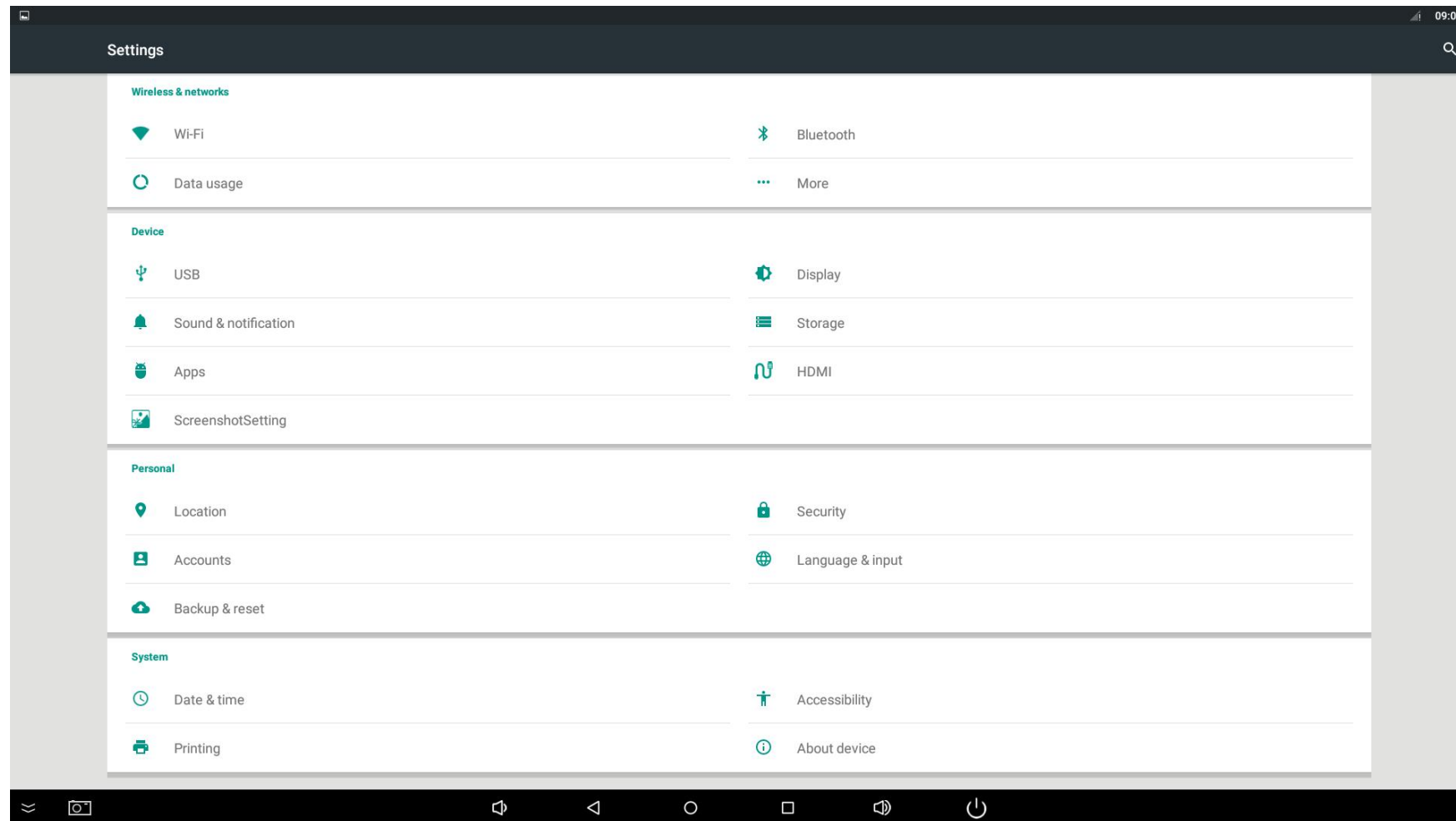
## 4.5.1、Turn on the wifi function



## 4.5.1.2、 Turn on the wifi function



## 4.5.1.3、Turn on the wifi function



## 4.5.1.4、 Turn on the wifi function

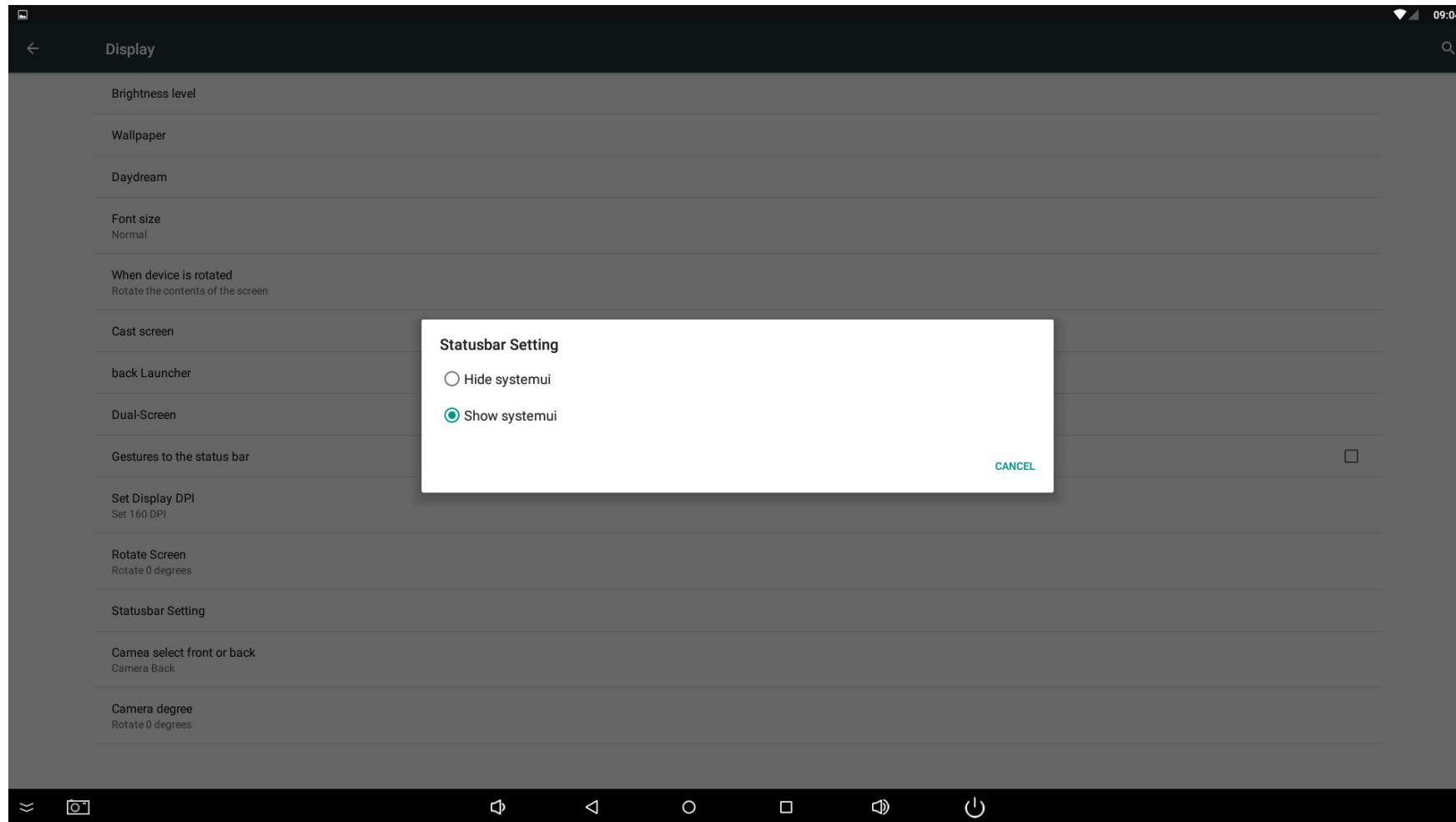


## 4.5.2.1、Open and close the status bar





## 4.5.2.2、Open and close the status bar



## 4.6、Description of other fault codes and troubleshooting methods

Error Code	reason	handling method
E01	Machine water supply is not good	Replenish water and restart equipment
E02	The paper cups are used up	Refill the cup dropper with paper cups
E03	There is also a lack of water and paper cups	Please refill water and paper cups and restart the device
E04	Temperature sensor in hot water tank is open circuit	Check whether the cables to the temperature sensor are securely connected
E05	The machine did not detect the extractor	Please reinstall the extractor and restart the device
E06	The boiler temperature in the mill is abnormal	Please contact after sales team
E07	There is air in the pipe inside the grinder	Execute the Empty grinder command on the Unit testing screen
E08	The extractor is blocked	Clean the extractor and check that the bean quantity is set to -14
E09	The boiler temperature inside the mill is abnormal	Check whether the boiler is blocked and the cable to the temperature sensor is normal
E10	The communication status of the grinder is abnormal	Please check whether the APK serial port number is set correctly, whether the main board of the grinder works, and whether the communication cable between the Android board and the control board is in normal state and installation
E11	The communication status of the main control board is abnormal	Please check whether the APK serial port number is set correctly, whether the mainboard works, check the status of the communication cable between the Android board and the main control board
E12	There are foreign bodies in orbit	Clean the tracks of foreign objects and restart the equipment

## 5、 Daily operation and maintenance requirements

- 1、 Tools required for daily operation and maintenance
- 2、 Daily operation and maintenance requirements
- 3、 Fill out the daily operation and maintenance record form

## 5.1、Tools required for daily operation and maintenance

- 1 Three towels, one brown, one green, one white。
- 2 Maintenance tools for machine configuration
- 3 1 pair of scissors
- 4 1 Needle nose pliers
- 5 Vacuum cleaner
- 6 1 brush, 60ml syringe
- 7 a tool kit
- 8 A bottle of medical alcohol
- 9 a bucket

## 5.2、 Operation and maintenance requirements

- 1 Operation and maintenance cycle: at least once every two days, including replenishing materials and cleaning and disinfection
- 2 The waste water tray must be cleaned during operation and maintenance
- 3 After replenishing the paper cups, the top of the cups should be sealed with plastic wrap or plastic bag.  
The cups and LIDS should be cleaned once a month
- 4 Powder boxes must be cleaned with water every 30 days
- 5 Stirring components and drinking pipes should be cleaned with clean water at least once every two operation and maintenance cycles
- 6 The grinder and extractor must be cleaned in each operation and maintenance cycle
- 7 Waste water bucket, slag box machine slag funnel must be clean every operation cycle
- 8 The pump pipe and power supply line shall be cleaned during operation and maintenance
9. Clean out the ice mouth, cup holder, cup drop-off device, lid drop-off device, capping device, track and automatic door and disinfect
- 10 Clean and disinfect the ice pushing module and the feeding channel
- 11 All the silicone pipes used in the machine shall be replaced once a year
- 12 Ice machines must be cleaned every 90 days
- 13 The machine is clean and dry
14. Clean the screen, shell and mouth of the cup with a wet rag and then disinfect with alcohol
- 15 Check whether the power supply line is intact, the network is stable, and the pest control network is intact



## 5.3、 Operation and maintenance records

- 1、 Operation and maintenance records must be registered for future reference
2. For the operation and maintenance registration form, please refer to the attachment

Daily operation and maintenance record				
Details	state	operation	data	Operator's signature
pipeline	ok	clean	2022-10-10	Peter
Powder box	ok	clean		
Slag material box	ok	clean		
Wastewater tank	ok	clean		
Waste water tray	ok	clean		
auto-door	ok	clean		
Grinding bean device	ok	clean		
extraction apparatus	ok	clean		
ice machine	ok	clean		
displayer	ok	clean		

## 5.4、 Operation video link address

1、 installation video

<https://youtu.be/MZbxKJfj2zA>

2、 copy log file

<https://youtu.be/tqTLMbo0U7c>

3、 Modify Android language

<https://youtu.be/lhtWyxpjeVs>

4、 Make exchange code

<https://youtu.be/dxvRANi3frs>

5、 Adding a Cleaning Plan

<https://youtu.be/m0R29VL17is>

6、 Establishment of product formulation

<https://youtu.be/fPsoH9MHnjY>

7、 Background editing and advertising

<https://youtu.be/4syYlqe7xxl>

8、 DG600F coin machine setting method

[https://youtu.be/3NsN7KDJ\\_F0](https://youtu.be/3NsN7KDJ_F0)

## 6、After-sales service

- Our working hours :
  - Working day 8:00 —— 17:30
- Contact information :
  - whatsapp : 18971011161

**THANKS !**