



# JK90 Installation Operation and Maintenance Manual

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# 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、Material installation and requirements

- 1、 Open the material carton and check the material list
- 2、 Refer to the following pictures and texts to install the material components in the corresponding position
- 3、 Add the corresponding raw materials to the material box
- 4、 After the powder is assembled, rotate the discharge nozzle 180 degrees so that the discharge nozzle opening faces down
- 5、 Check the coffee bean crusher powder quantity coarse and fine setting knob

## 2.2.1、 Structure introduction

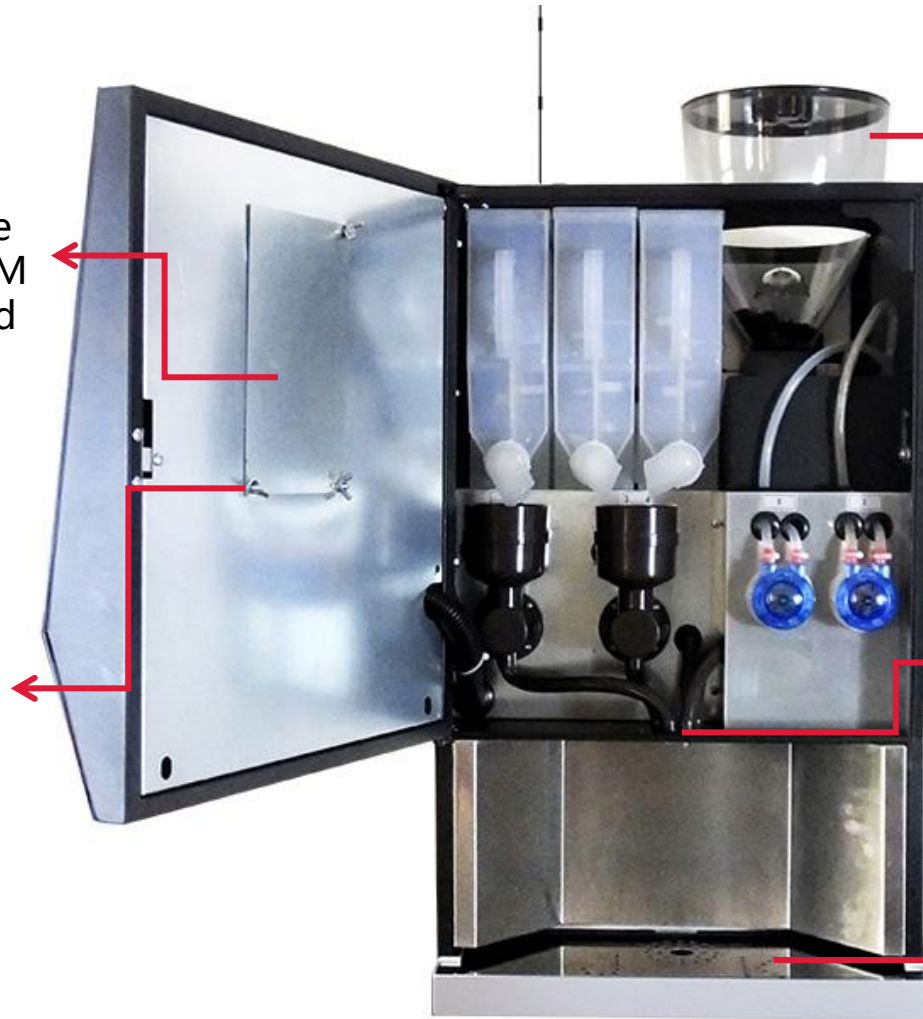
After removing the protective cover of the Android board, the SIM card can be assembled

Butterfly nut

Coffee bean replenishment bin

Outlet

Tray, waste water must be dumped every day and cleaned with clean water



## 2.2.2、Correspondence between the powder box number and the pipe number in the product formula



☛ Your Location: Goods » Goods Management

**Goods Management** List Add

\* Cost Price:

\* Goods Images:  
选择文件 未选择任何文件

Goods Detail Image:  
选择文件 未选择任何文件

ice  
Ingredient 7  
Ingredient 6  
Ingredient 5  
Ingredient 4  
Ingredient 3  
Ingredient 2  
Ingredient 1  
原料7  
原料6  
原料5  
原料4  
原料3  
原料2  
原料1

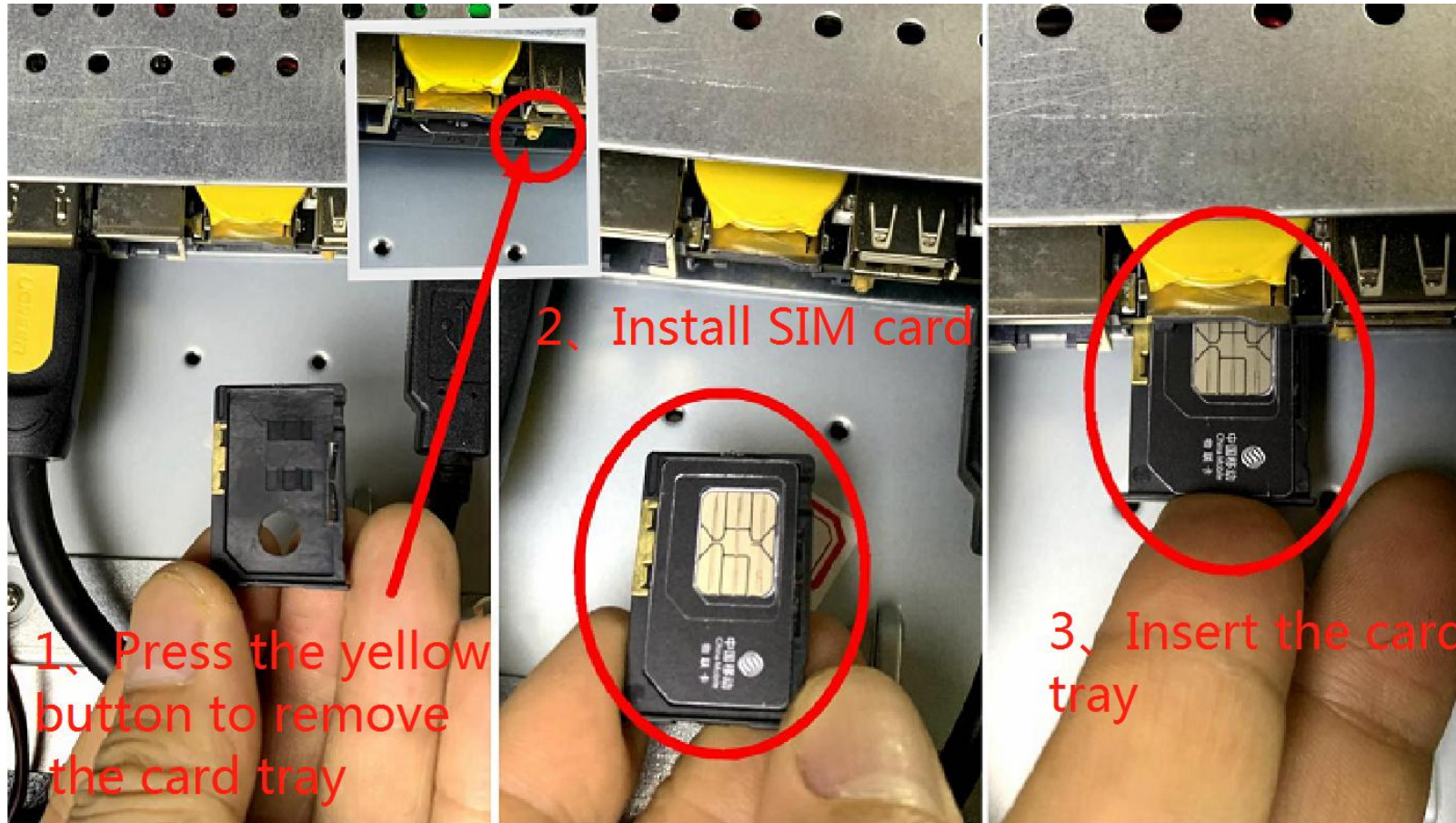
ice  
Powder  Water

\* Order:

Digital range of 0-255, the smaller the number of the previous

The powder box number on the left corresponds to the pipe number in the product formula. For example, powder box 1 corresponds to "Ingredient 1", powder box 2 corresponds to "Ingredient 2", etc.

## 2.2.3、SIM card installation method



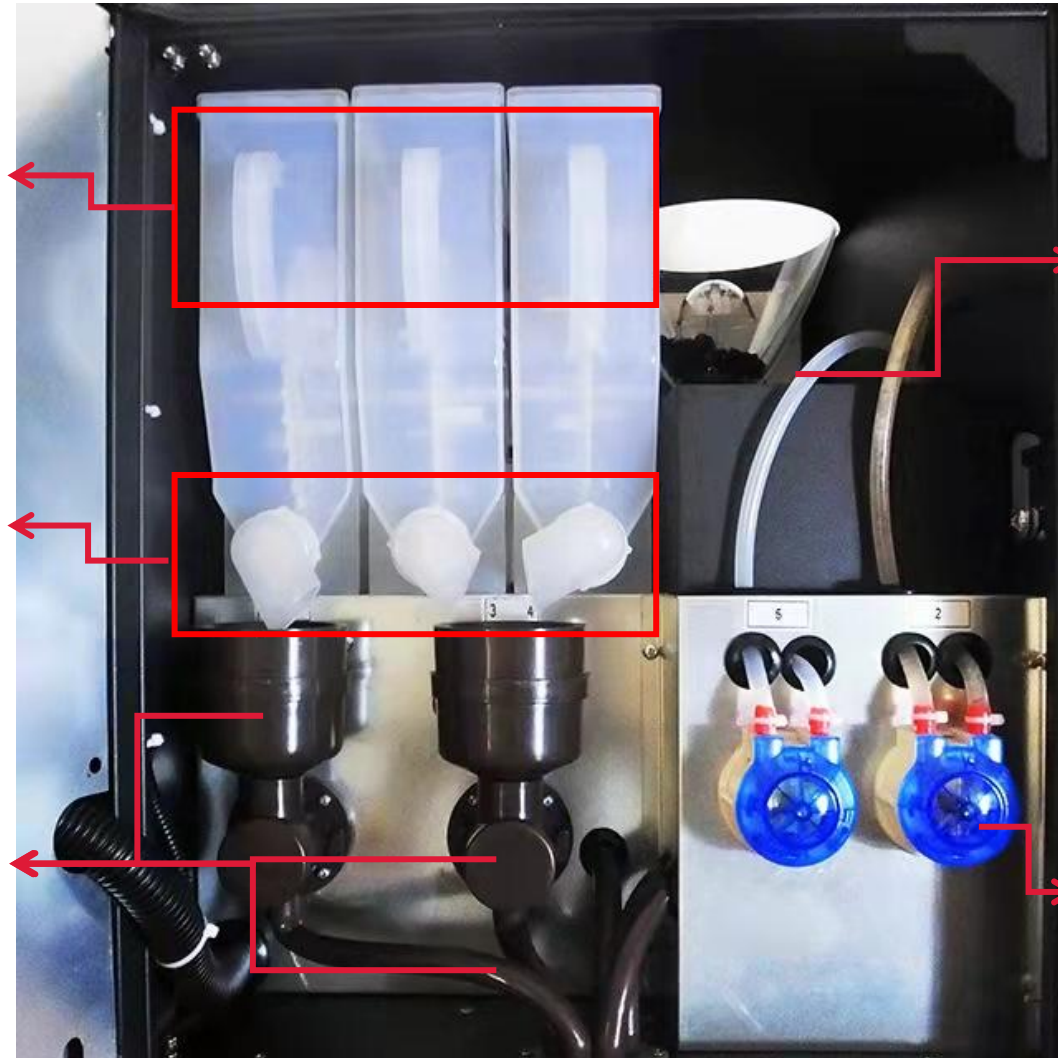


## 2.2.4、 Operation and maintenance requirements

The powder box is recommended to be cleaned with warm water every two months, and then refilled with raw materials after drying

Discharge nozzle, when need to replenish raw materials, need to rotate the discharge nozzle upward

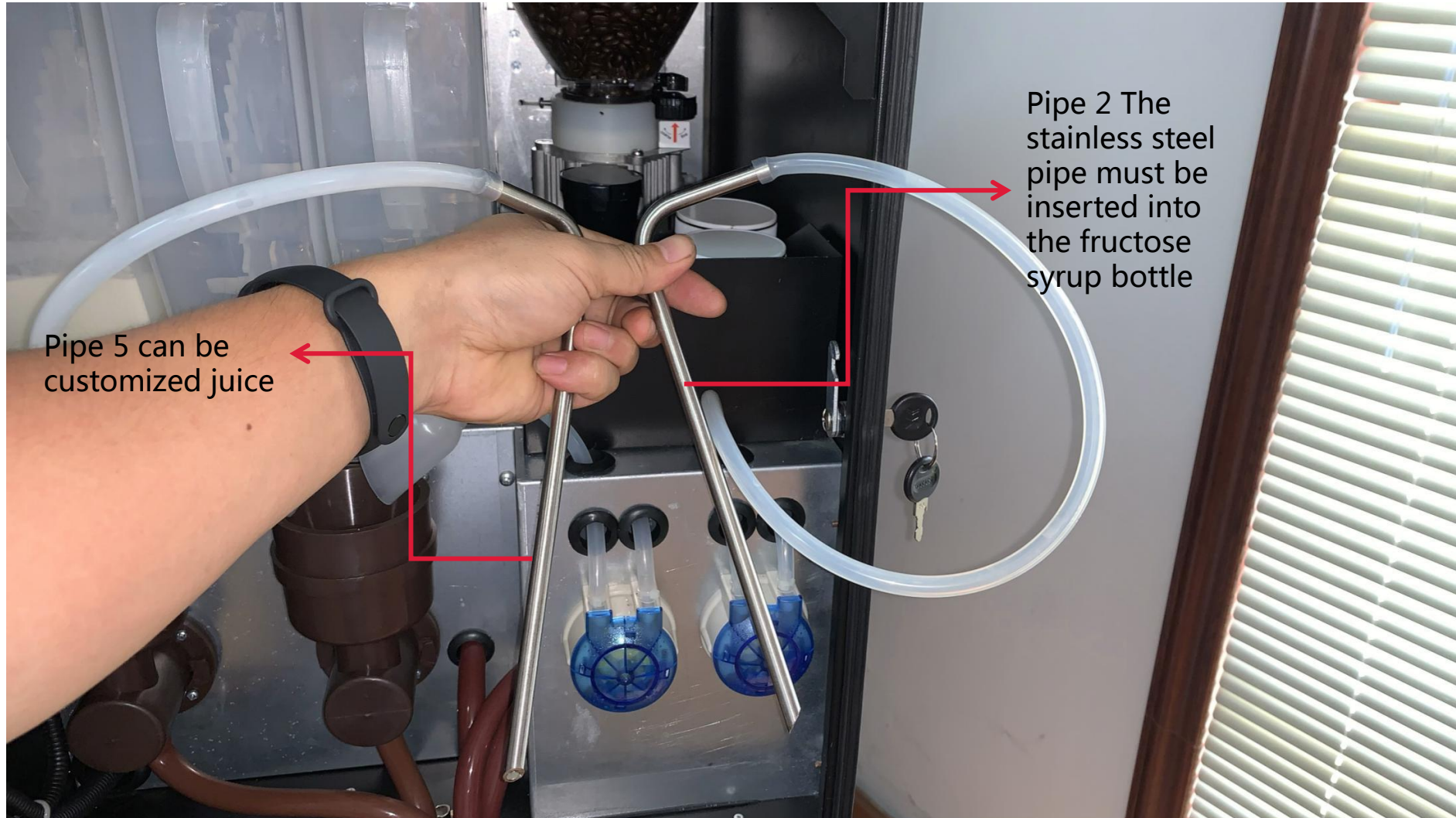
Mixing components and water outlet pipes need to be disassembled and cleaned with warm water every week



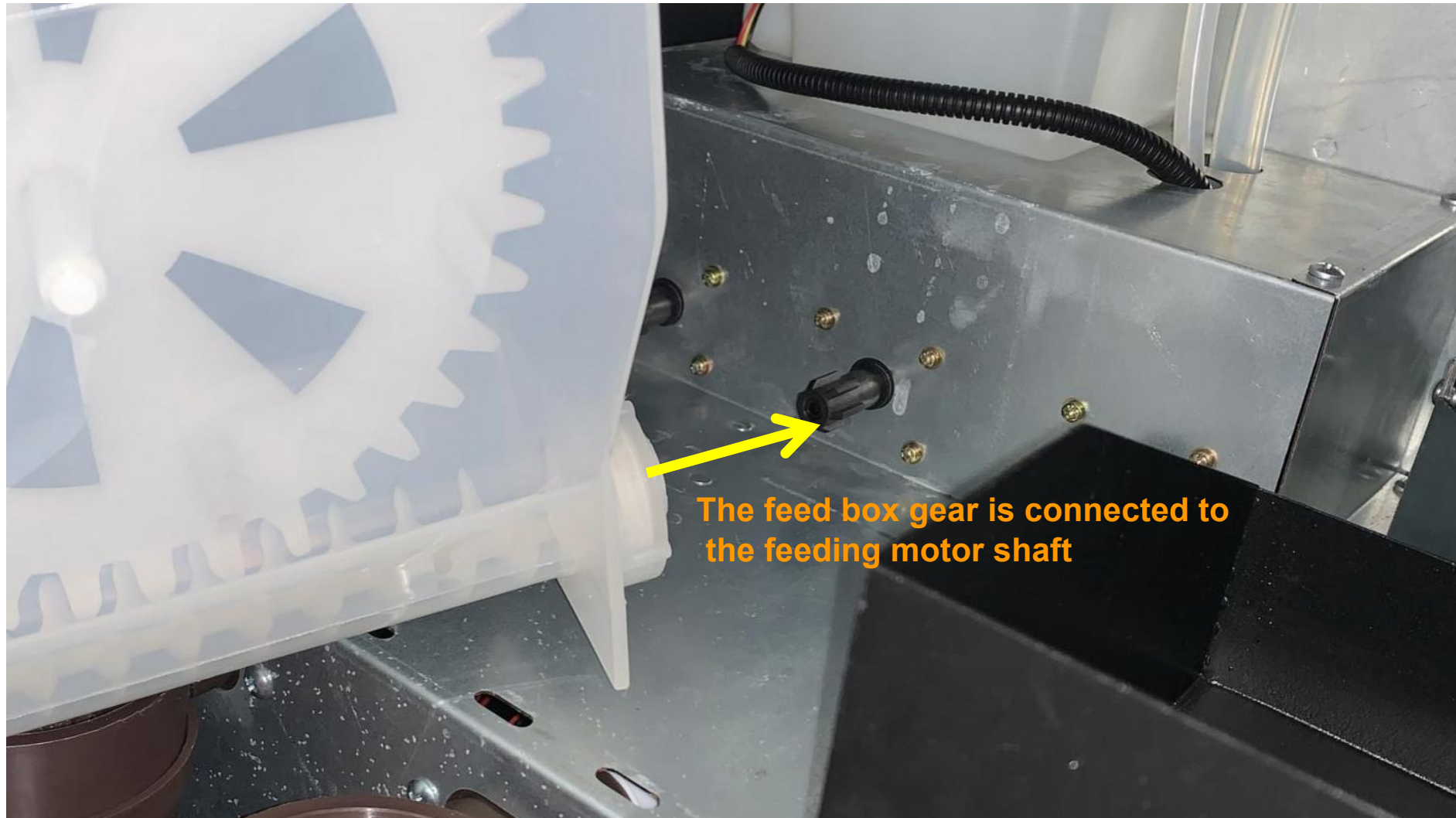
Silicone tube, connected to fructose. It is recommended to replace fructose with hot water before the long-term shutdown, make sugary drinks repeatedly, and rinse the pipe with hot water to prevent sugar from crystallizing in the pipe

Peristaltic pump

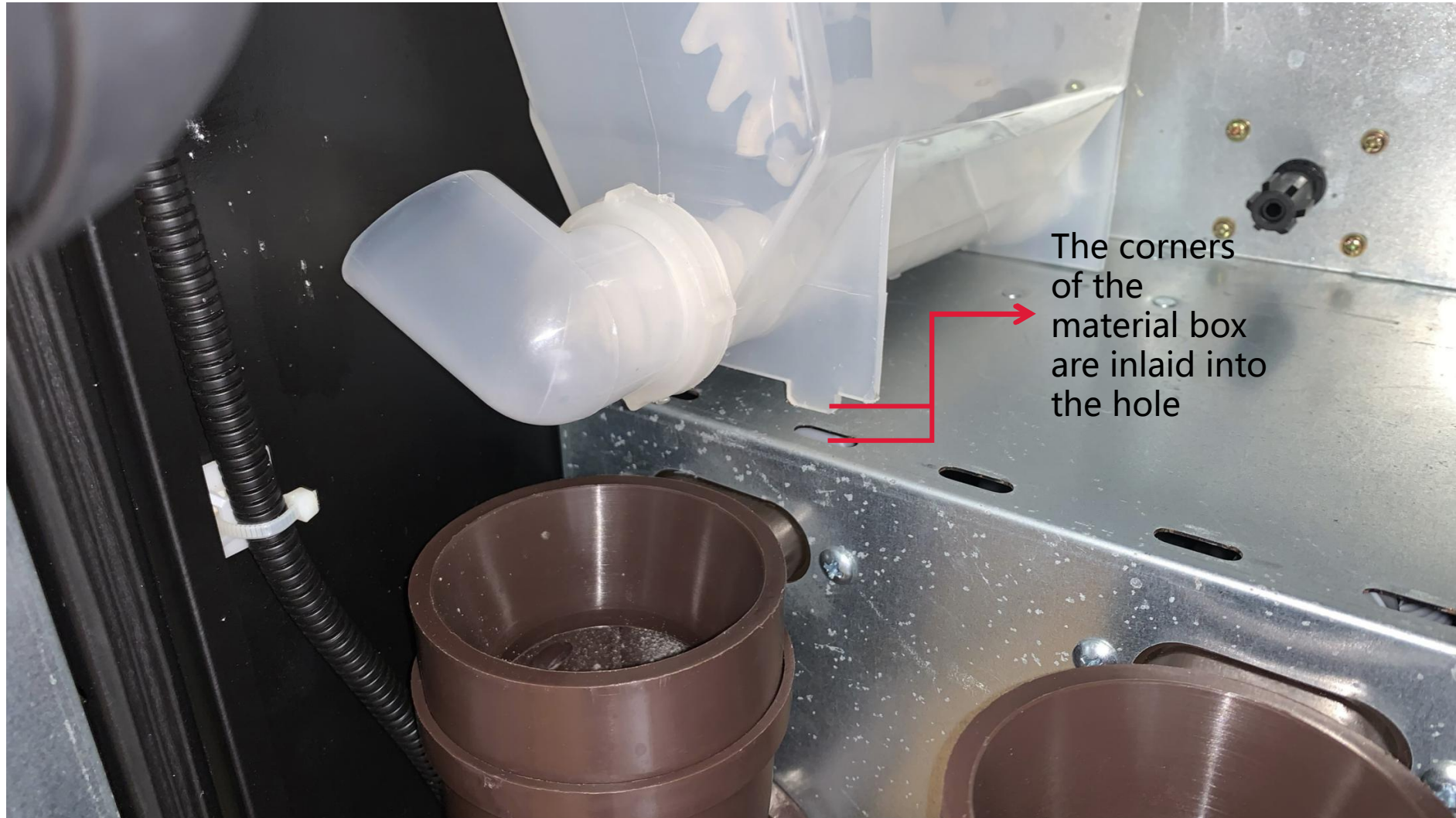
## 2.2.5、 The use of peristaltic pump



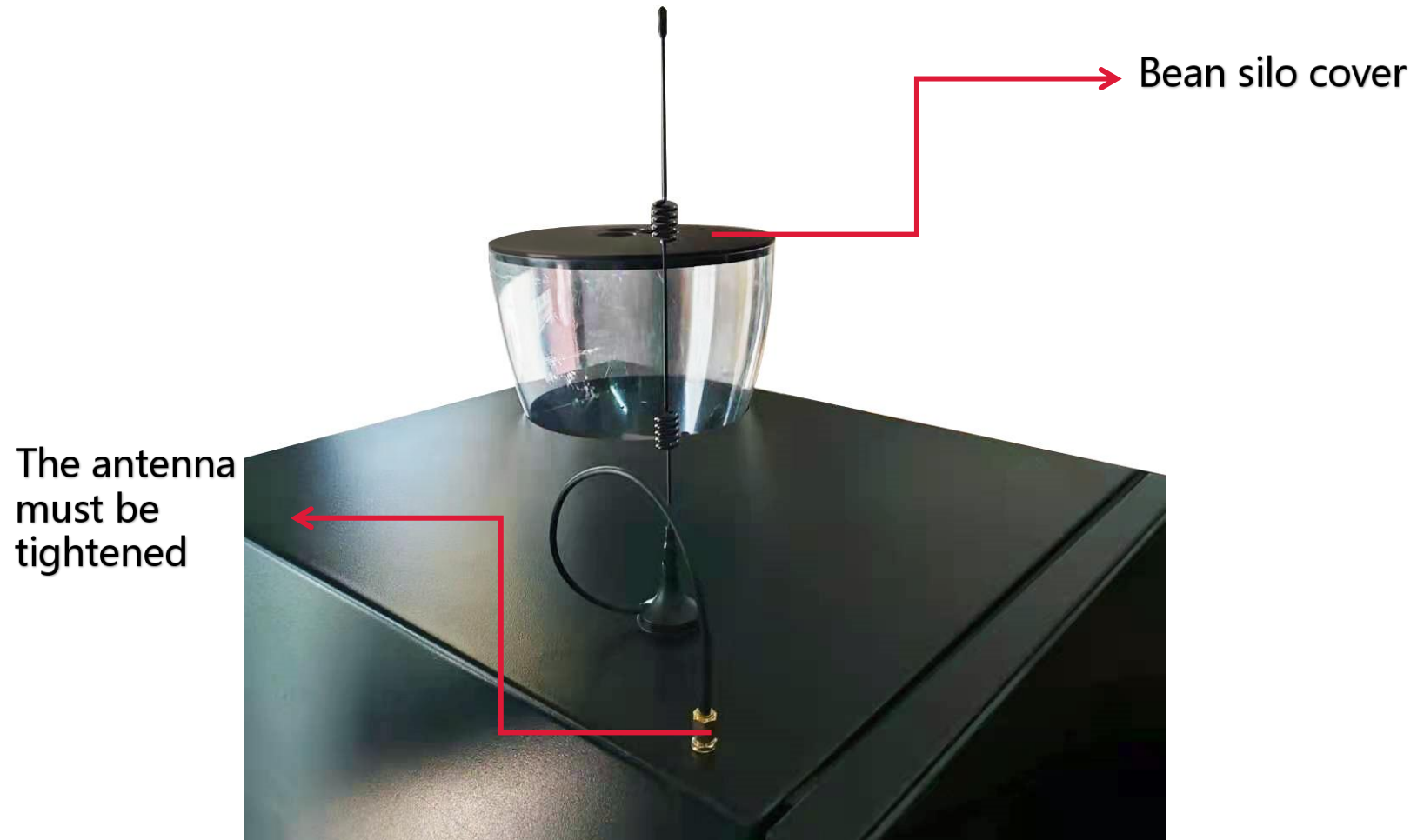
## 2.2.6、 The installation of the material box (1)



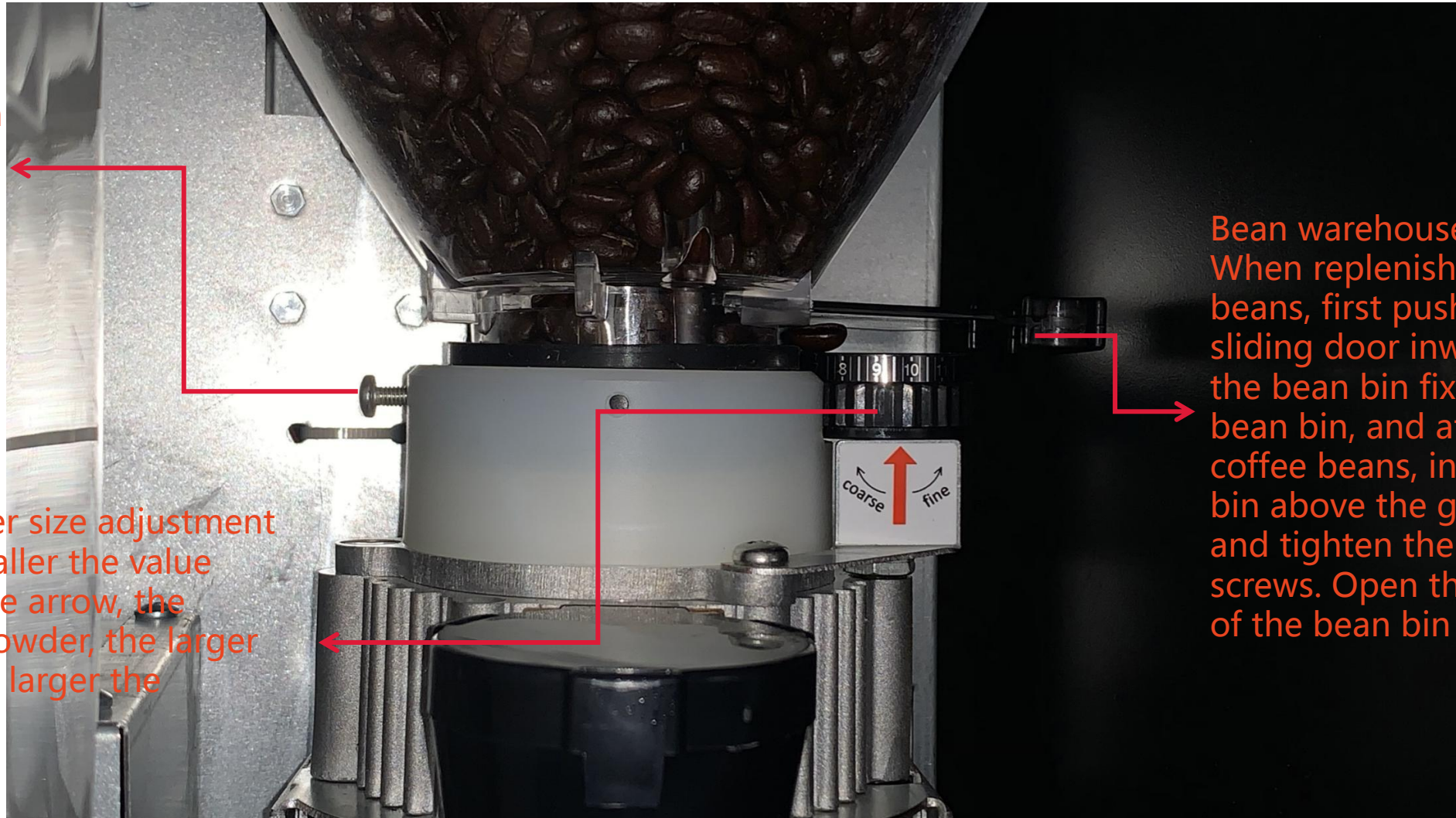
## 2.2.6、 The installation of the material box (2)



## 2.2.7、 Install the antenna



## 2.2.8、 Introduction of Fresh Grinders



Bean bin fixing screws

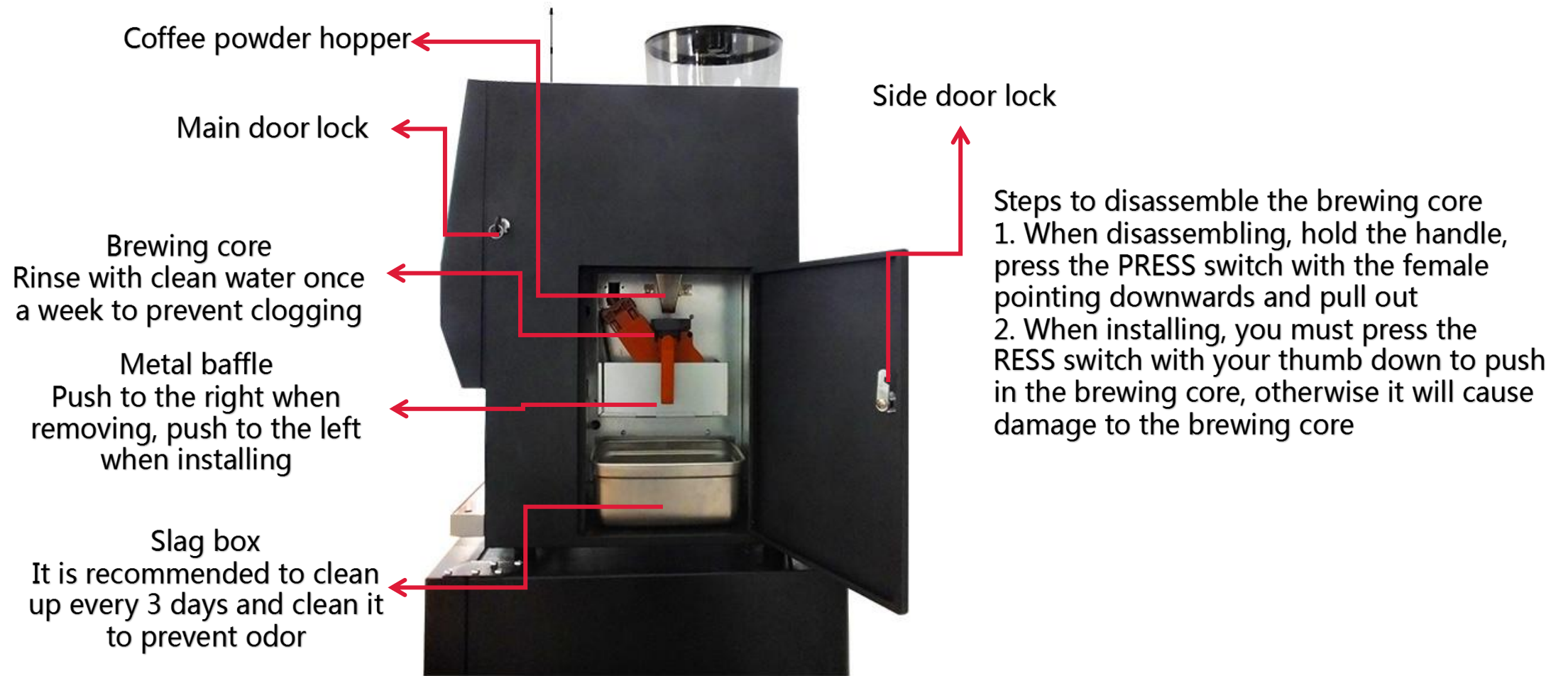
Coffee powder size adjustment knob, the smaller the value pointed by the arrow, the smaller the powder, the larger the value, the larger the powder

Bean warehouse sliding door  
When replenishing coffee beans, first push the bean bin sliding door inward, remove the bean bin fixing screws and bean bin, and after filling the coffee beans, install the bean bin above the grinder motor and tighten the bean bin fixing screws. Open the sliding door of the bean bin

## 2.2.9、Coffee powder amount and powder diameter

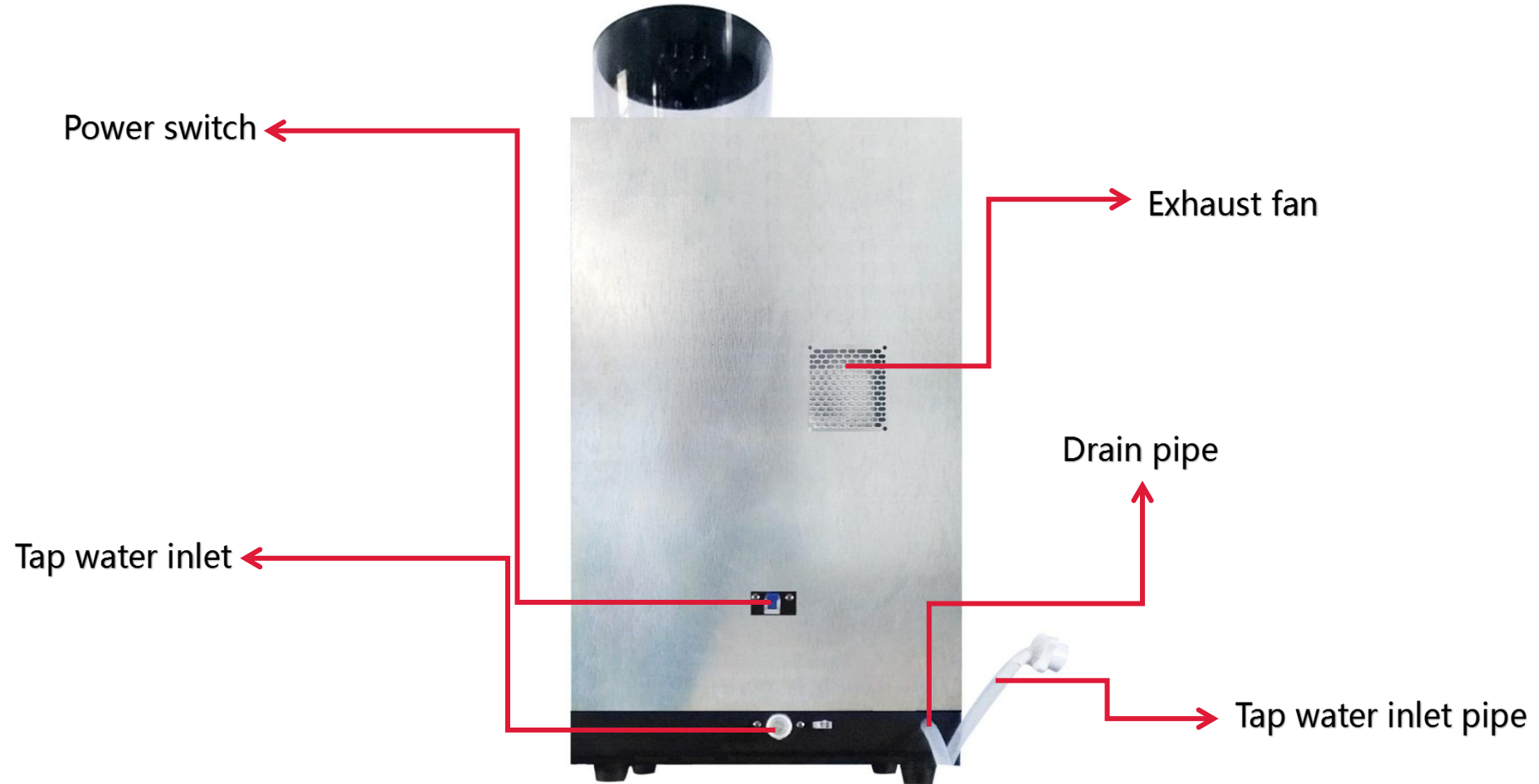


## 2.2.10、Brewing core operation and maintenance requirements

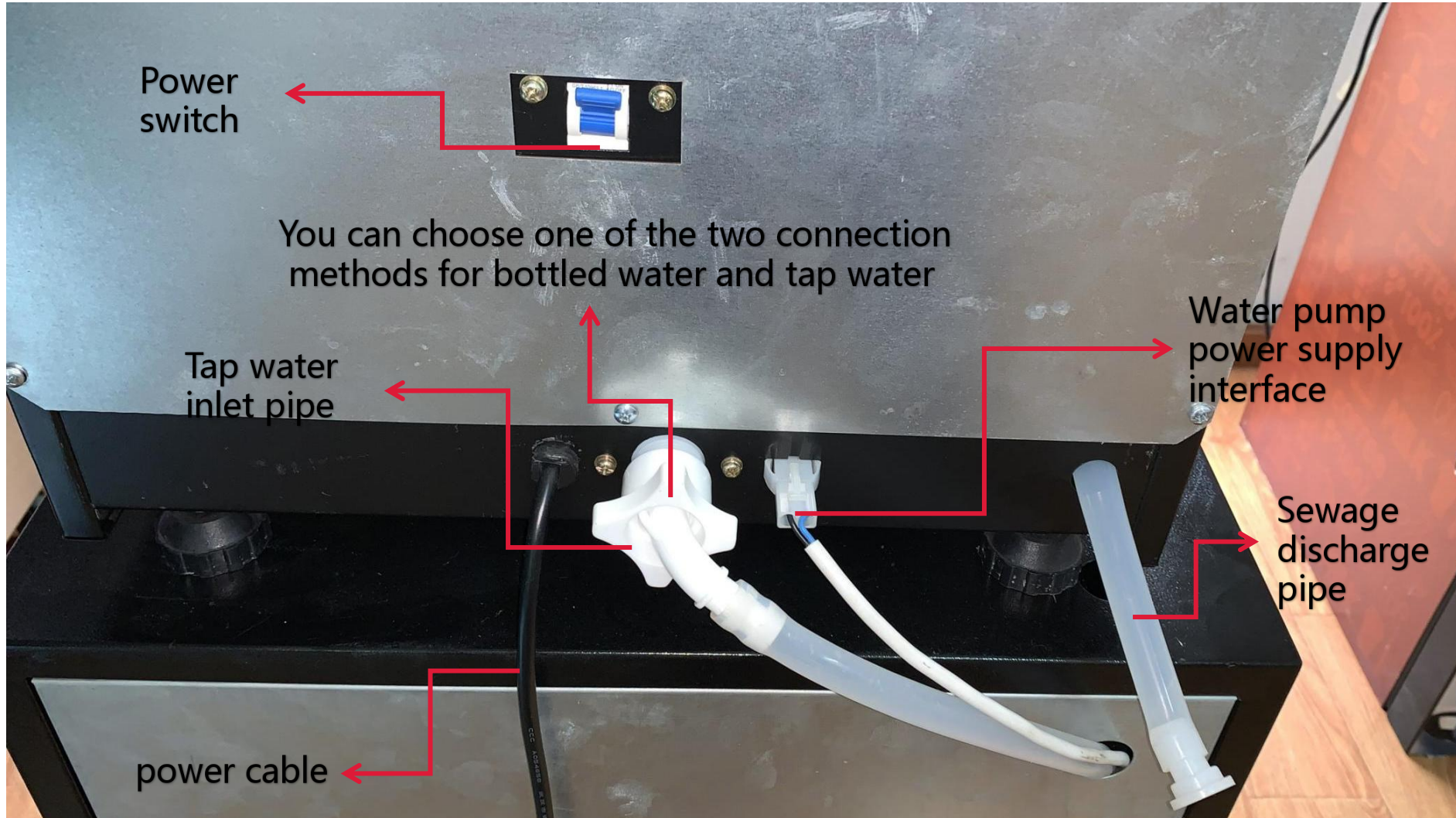




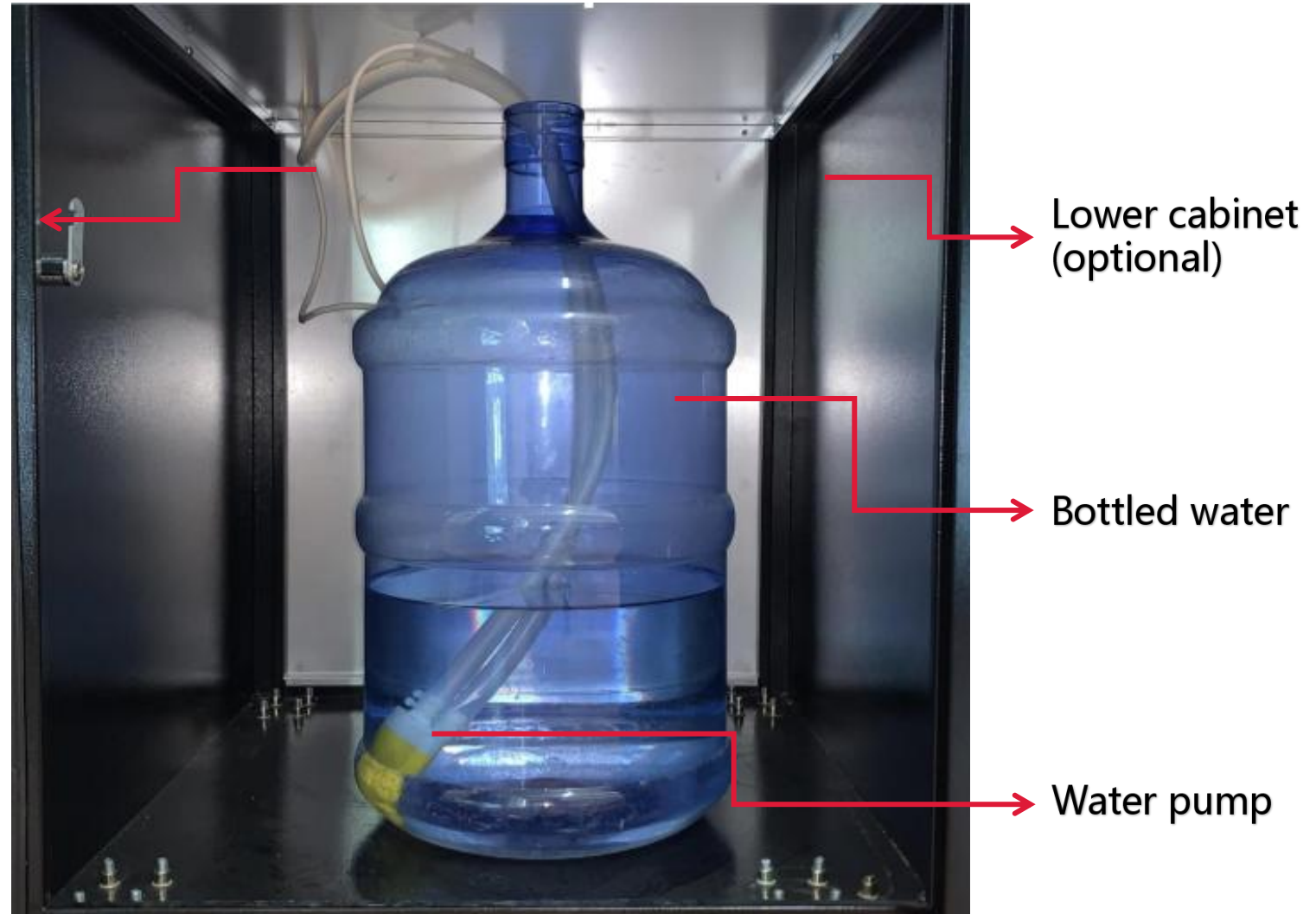
## 2.2.11、 Introduction to the back cover structure (1)



## 2.2.12、 Introduction to the back cover structure (2)



## 2.2.13、 Bottled water connection method



Water pump  
power cord

Lower cabinet  
(optional)

Bottled water

Water pump

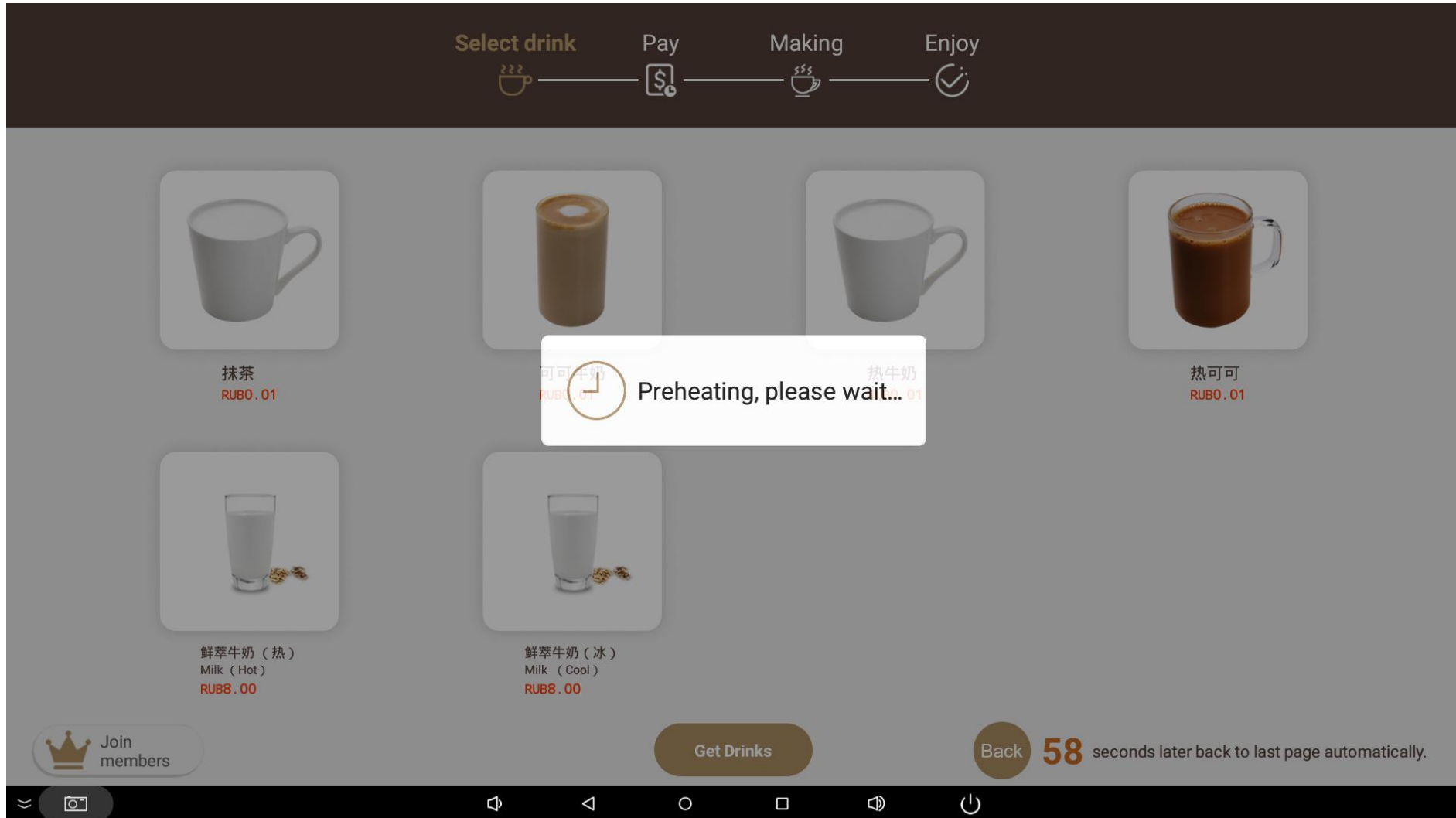
### Precautions:

1. Bottled water must be assembled before starting up
2. The pump must sink to the bottom of the barrel
3. The pipe cannot be bent

## 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

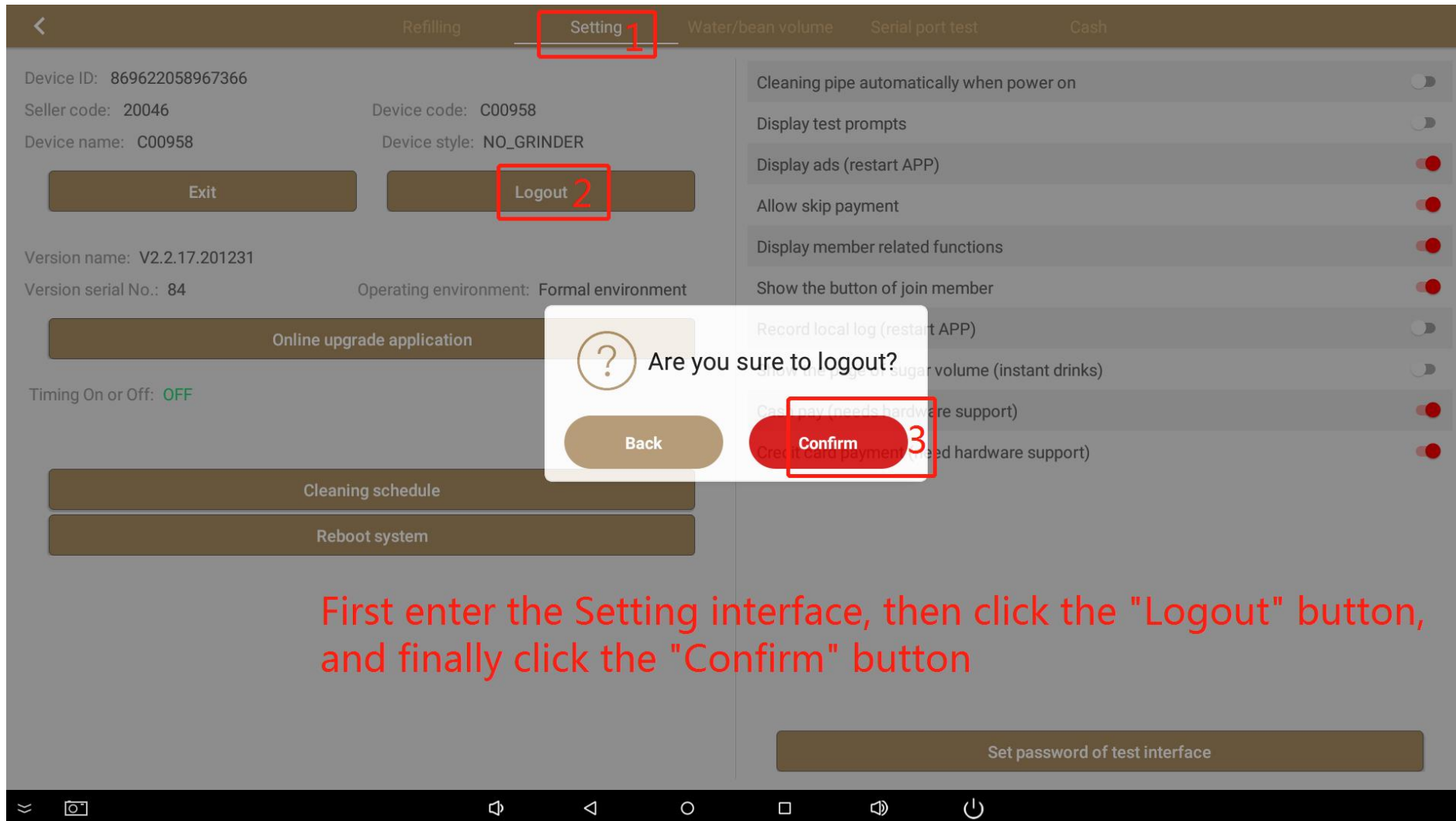
The screenshot shows the Coffeeji app interface. At the top, a progress bar indicates the current step: "Select drink" (with a coffee cup icon), "Pay" (with a dollar sign icon), "Making" (with a coffee cup icon), and "Enjoy" (with a checkmark icon). Below the progress bar, a red box labeled "1" is on the left and a red box labeled "2" is on the right. A red arrow points from the text "Quickly click on position 1 twice and position 2 once" to box "1", and another red arrow points from the same text to box "2".

The main area displays a grid of drink options:

- 抹茶 (Matcha) RUB0.01
- 可可牛奶 (Cocoa Milk) RUB0.01
- 热牛奶 (Hot Milk) RUB0.01
- 热可可 (Hot Cocoa) RUB0.01
- 鲜萃牛奶 (热) (Fresh Brewed Milk (Hot)) Milk (Hot) RUB8.00
- 鲜萃牛奶 (冰) (Fresh Brewed Milk (Cool)) Milk (Cool) RUB8.00

At the bottom, there is a "Join members" button with a crown icon, a "Get Drinks" button, and a "Back" button with a timer that says "43 seconds later back to last page automatically." The bottom navigation bar shows standard Android icons: back, home, and recent apps.

## 3.1.2.2、Switch login account



First enter the Setting interface, then click the "Logout" button, and finally click the "Confirm" button

### 3.1.2.3、Switch login account

Device ID: 869622058967366      Sim serial No.: 89860420011973395351

20046      **2、 Please enter your account**

Please enter password      **3、 Please enter your own password**

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

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

**4、 Click to log in**

Setting  
Setting  
Setting



### 3.2.1、Function setting

Refilling   **Setting**   Water/bean volume   Serial port test   Cash

Device ID: 869622058967366  
Seller code: 20046      Device code: C00958  
Device name: C00958      Device style: NO\_GRINDER

Exit      Logout

Version name: V2.2.17.201231  
Version serial No.: 84      Operating environment: Formal environment

Online upgrade application

Timing On or Off: OFF

Cleaning schedule

Reboot system

Cleaning pipe automatically when power on

Display test prompts

Display ads (restart APP)

**Allow skip payment**

Display member related functions

Show the button of join member

Record local log (restart APP)

Show the page of sugar volume (instant drinks)

Cash pay (need hardware support)

Credit card payment (need hardware support)

Set password of test interface

1、Turn off the Allow Skip Payment feature

2、Please click here to hide the status bar before opening

### 3.2.2、Material quantity supplement setting

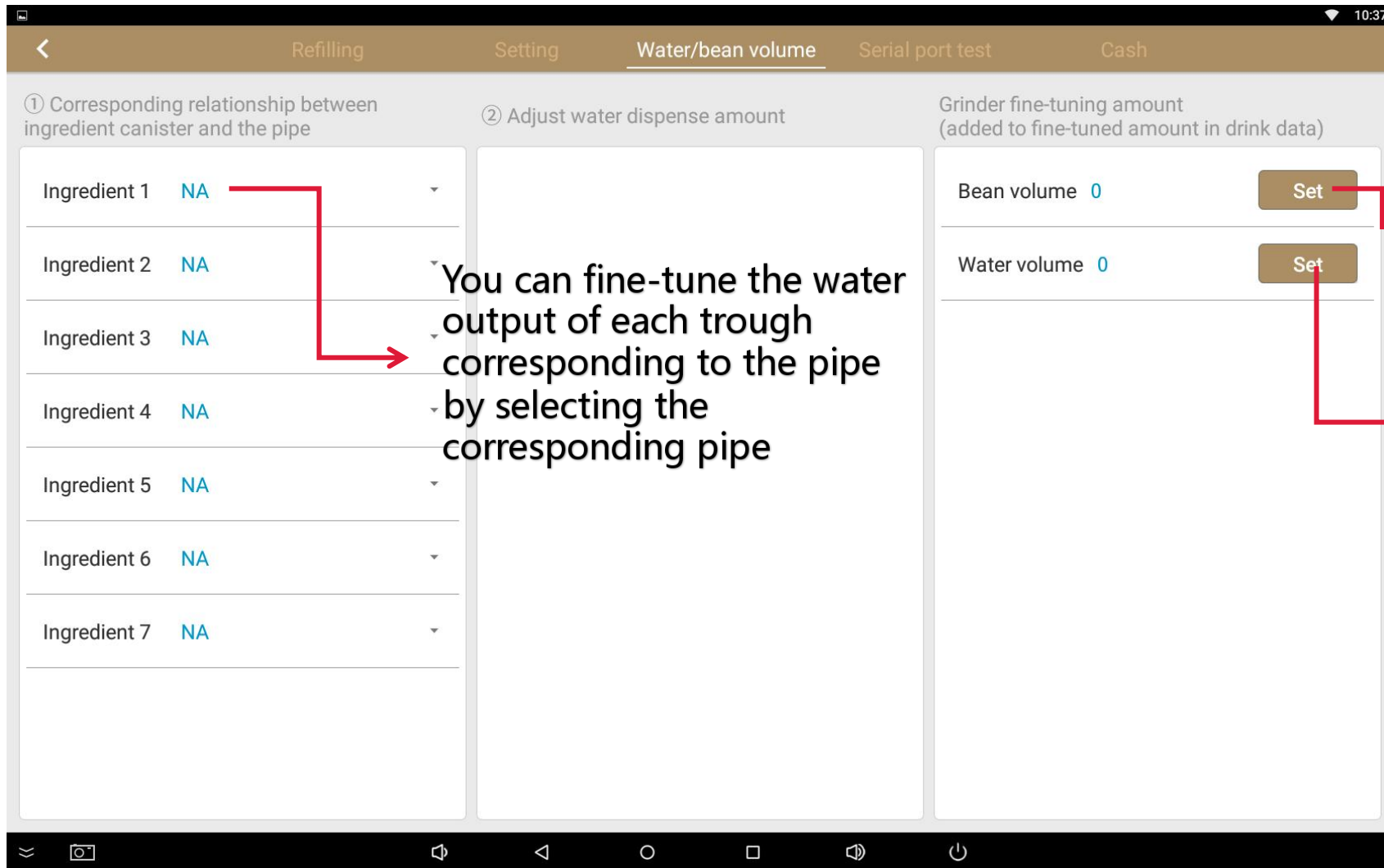
The screenshot displays the 'Refilling' settings page. At the top, there are navigation tabs: Refilling (selected), Setting, Water/bean volume, Serial port test, and Cash. The main content area lists ingredients and their current levels:

Ingredient	Current Level / Maximum	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

Annotations on the screenshot:

- 1、click the "Refilling" button (indicated by a red box around the buttons for Ingredient 1 and Ingredient 2)
- 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 (indicated by a red box around the '0/1000' value for Ingredient 7)
- 3、click here Upload information (indicated by a red arrow pointing to the 'Upload refilling information' button at the bottom)

### 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、Serial test

Refilling    Setting    Water/bean volume    **Serial port test**    Cash

Instant Check machine status  
AA 55 02 0B 0C

Instant Check error code  
AA 55 02 0C 0D

**Instant Check cup dispense function**  
AA 55 02 08 09

Instant Set drink recipe  
AA 55 1F 15 01 00 1E 00 1E 00 1E 00 1E 00 1E 00 1E 00 1E 00 1E 00 1E 00 24

Instant Instant Make drink (auto cup dispense)  
AA 55 04 01 01 02 07

Instant Clean instant pipe  
AA55 03120115

Data read by serial port 1

2021-10-09 09:02:04.899  
ANSWER\_CHECK\_ERROR\_CODE  
A55A030C808E

2021-10-09 09:02:05.900  
ANSWER\_CHECK\_ERROR\_CODE  
A55A030C808E

2021-10-09 09:02:06.901  
ANSWER\_CHECK\_ERROR\_CODE  
A55A030C808E

2021-10-09 09:02:07.902  
ANSWER\_CHECK\_ERROR\_CODE  
A55A030C808E

2021-10-09 09:02:08.903  
ANSWER\_CHECK\_ERROR\_CODE  
A55A030C808E

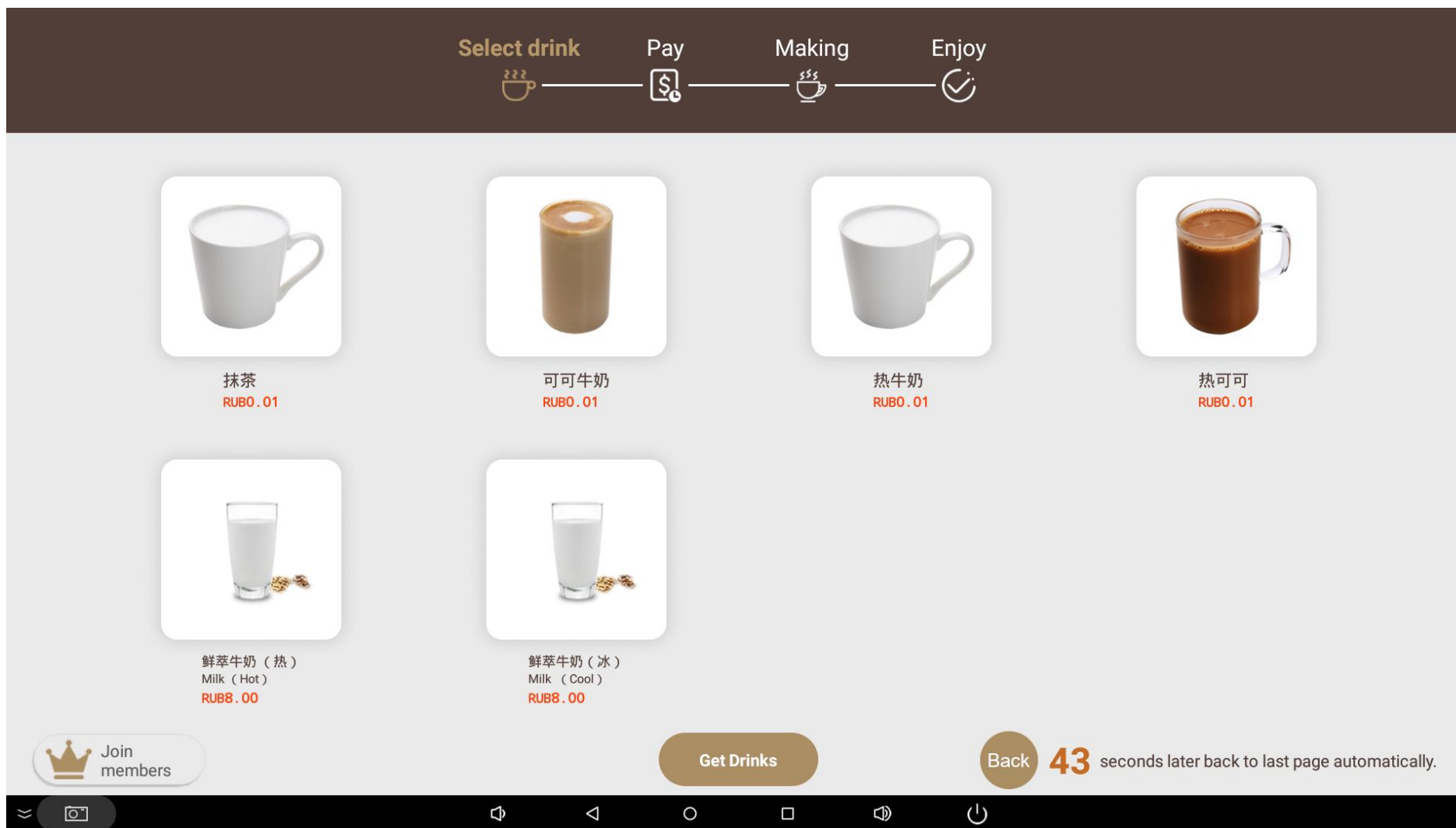
Data read by serial port 2

The hardware test of the cup dropper can be performed

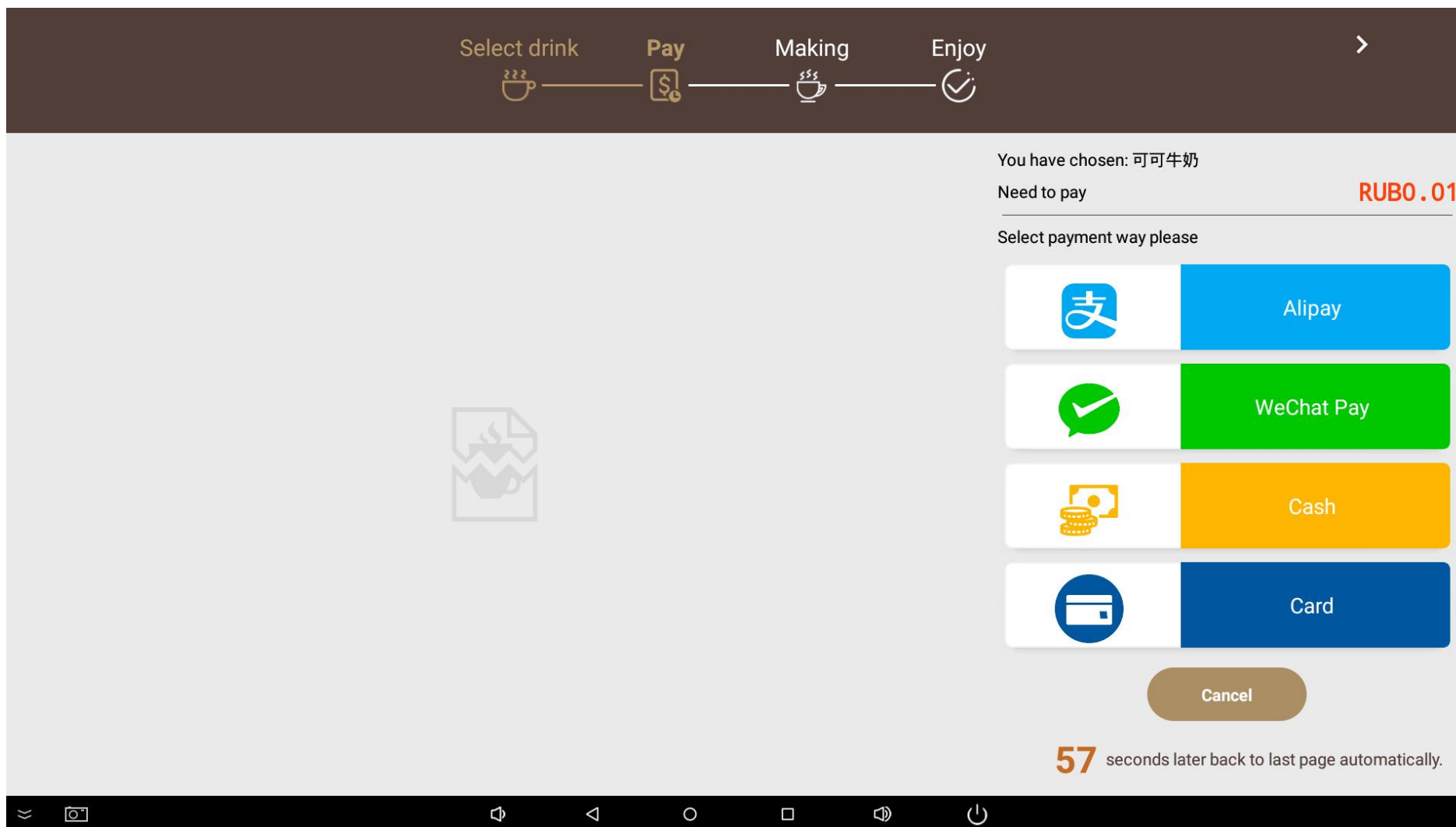
## 3.2.5、 The Cash interface needs to be taken and saved

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

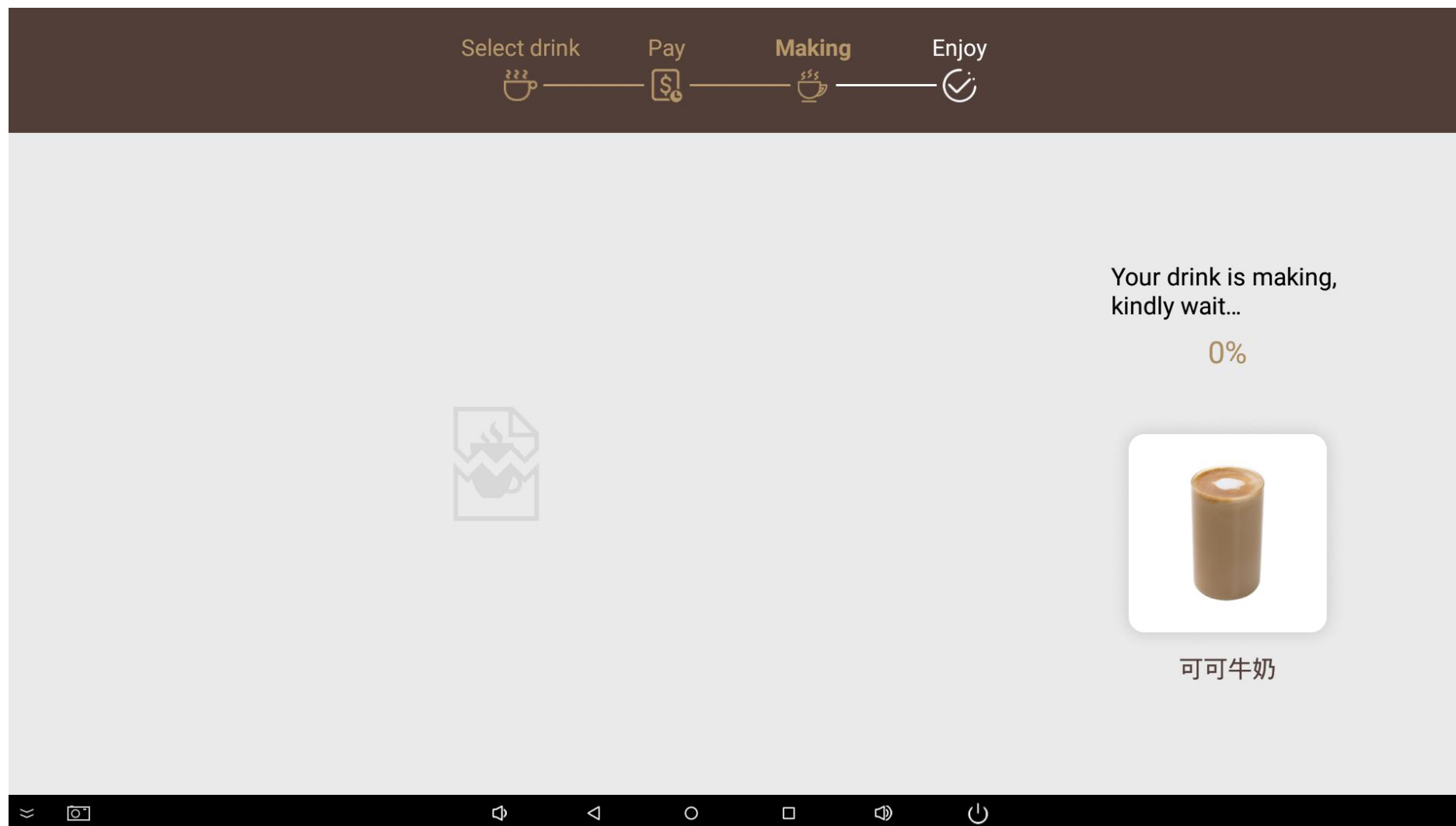
### 3.3.1、Trading interface introduction



## 3.3.2 Payment interface introduction



### 3.3.3、 Drink preparation waiting interface



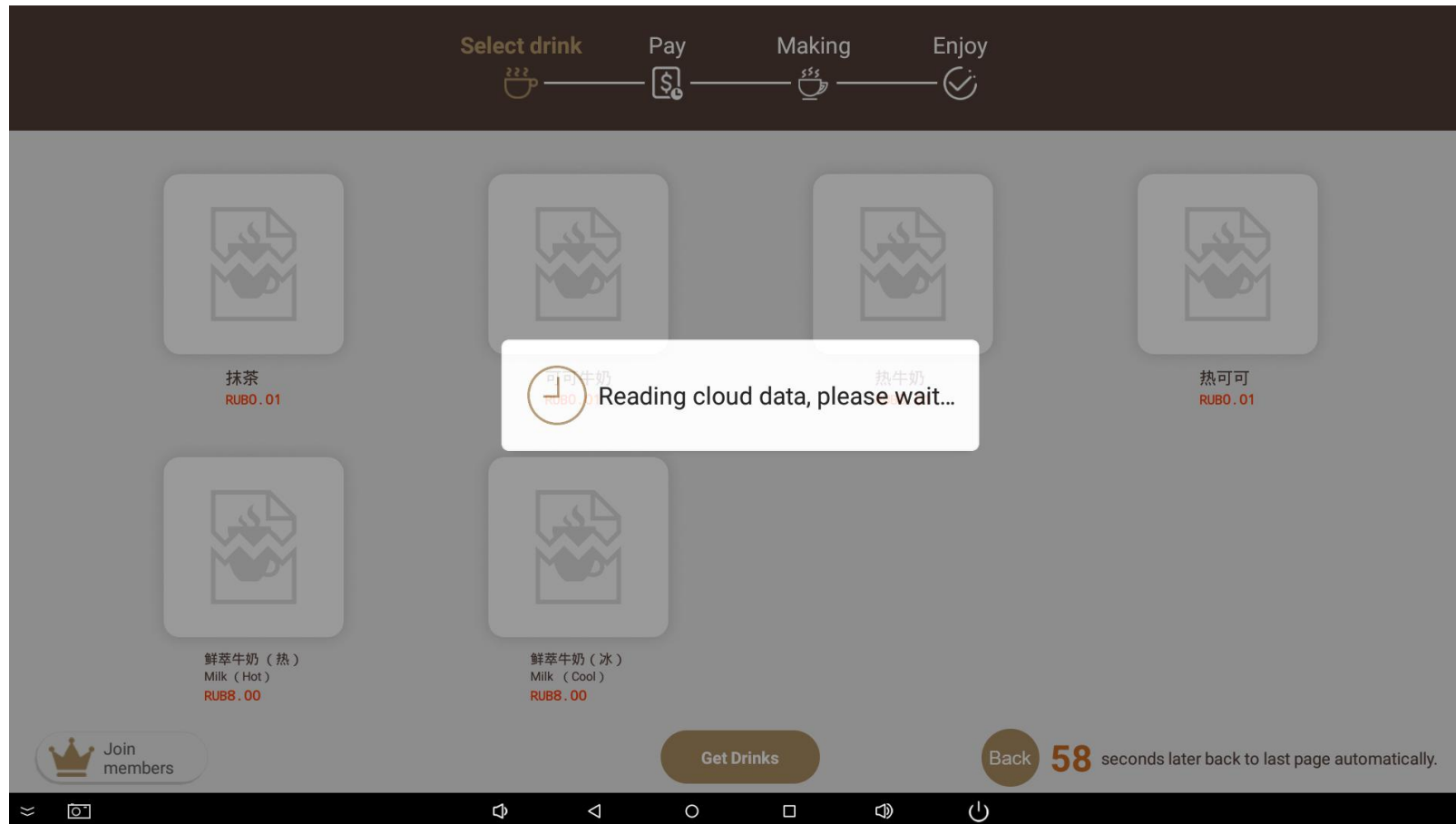


## 4、Common faults and solutions

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

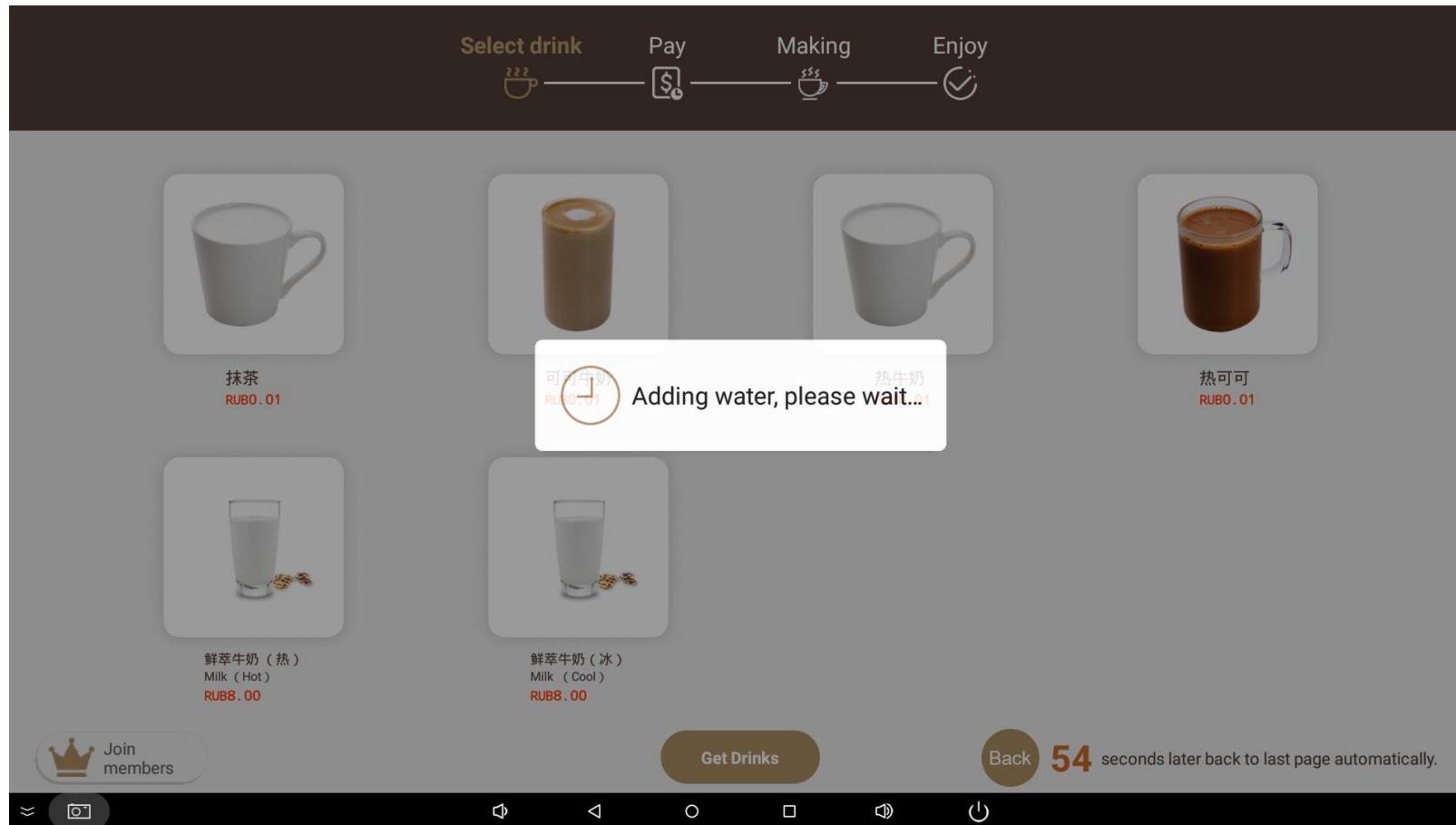
## 4.1、Network failure

- 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



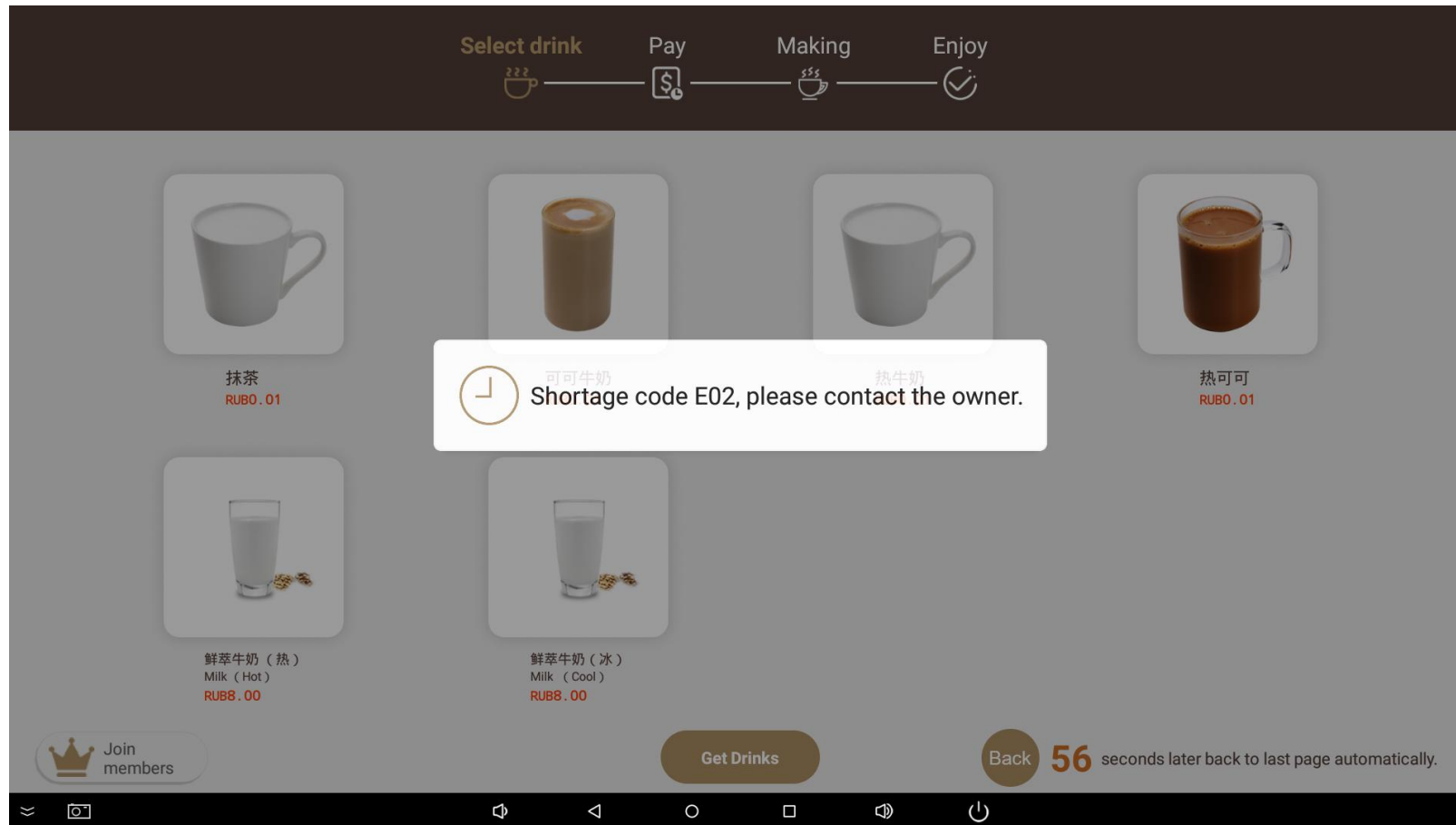
## 4.2.1、Fault code E01

- 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



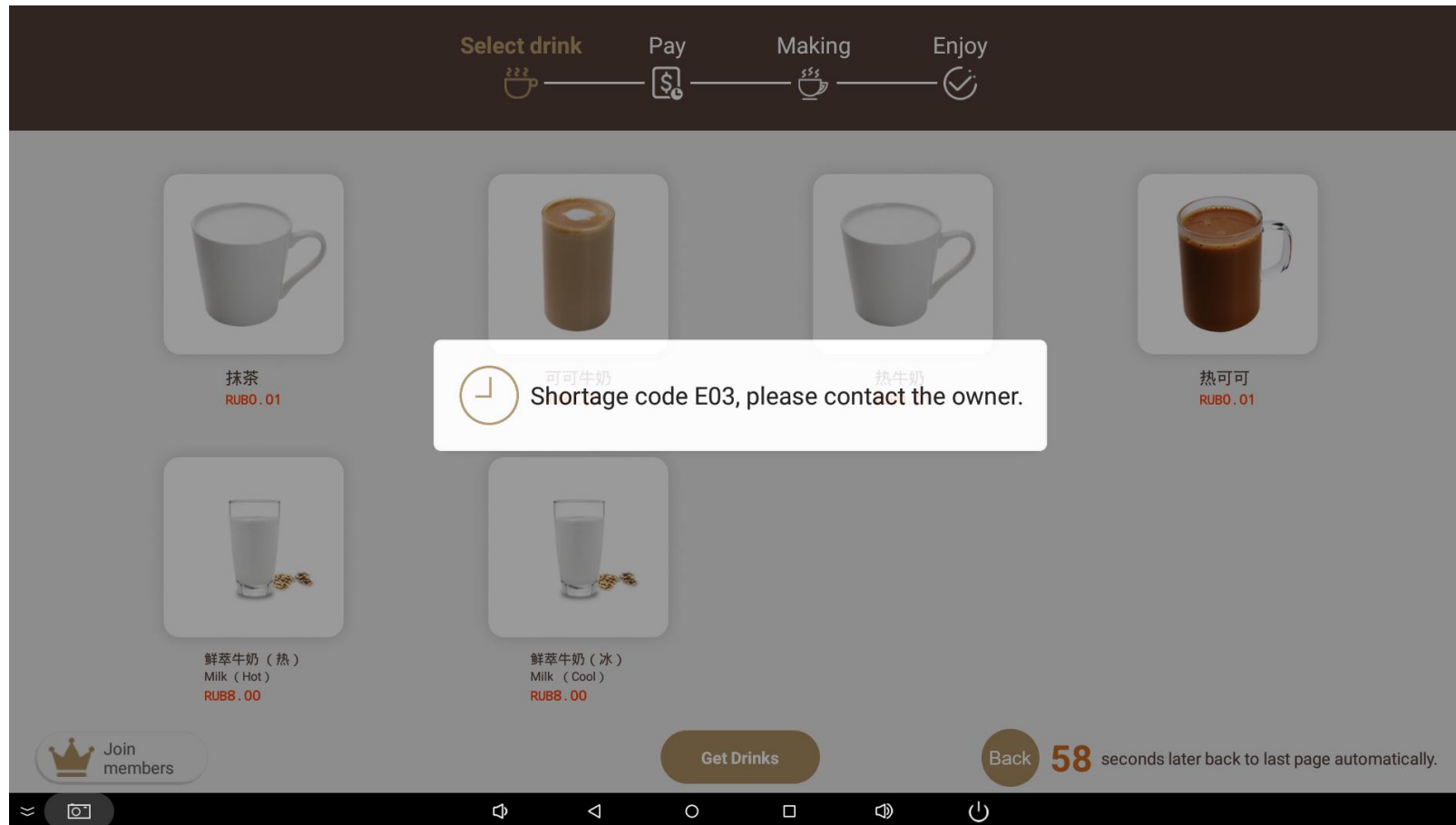
## 4.2.2、Fault code E02

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



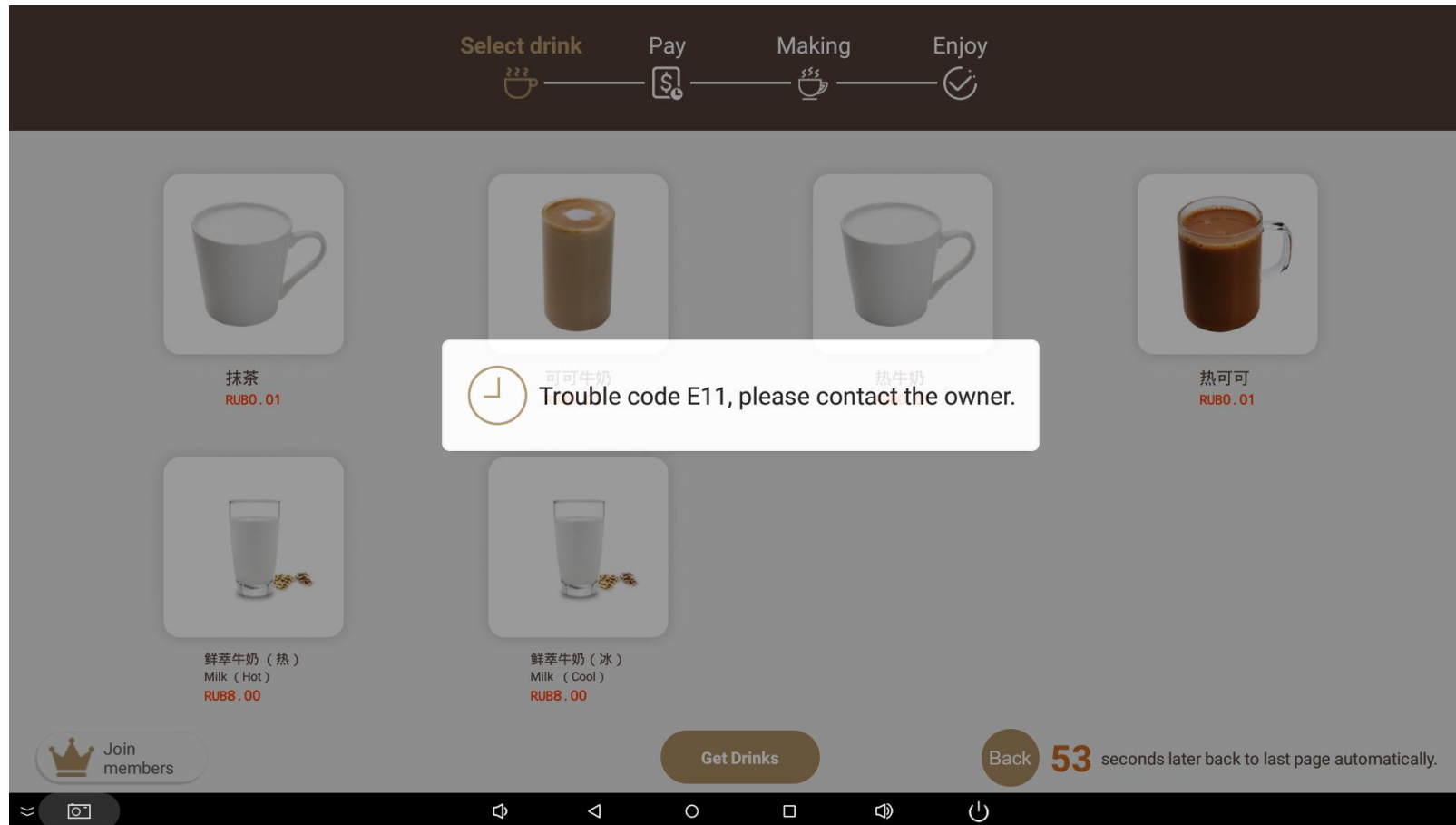
## 4.2.3、Fault code E03

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

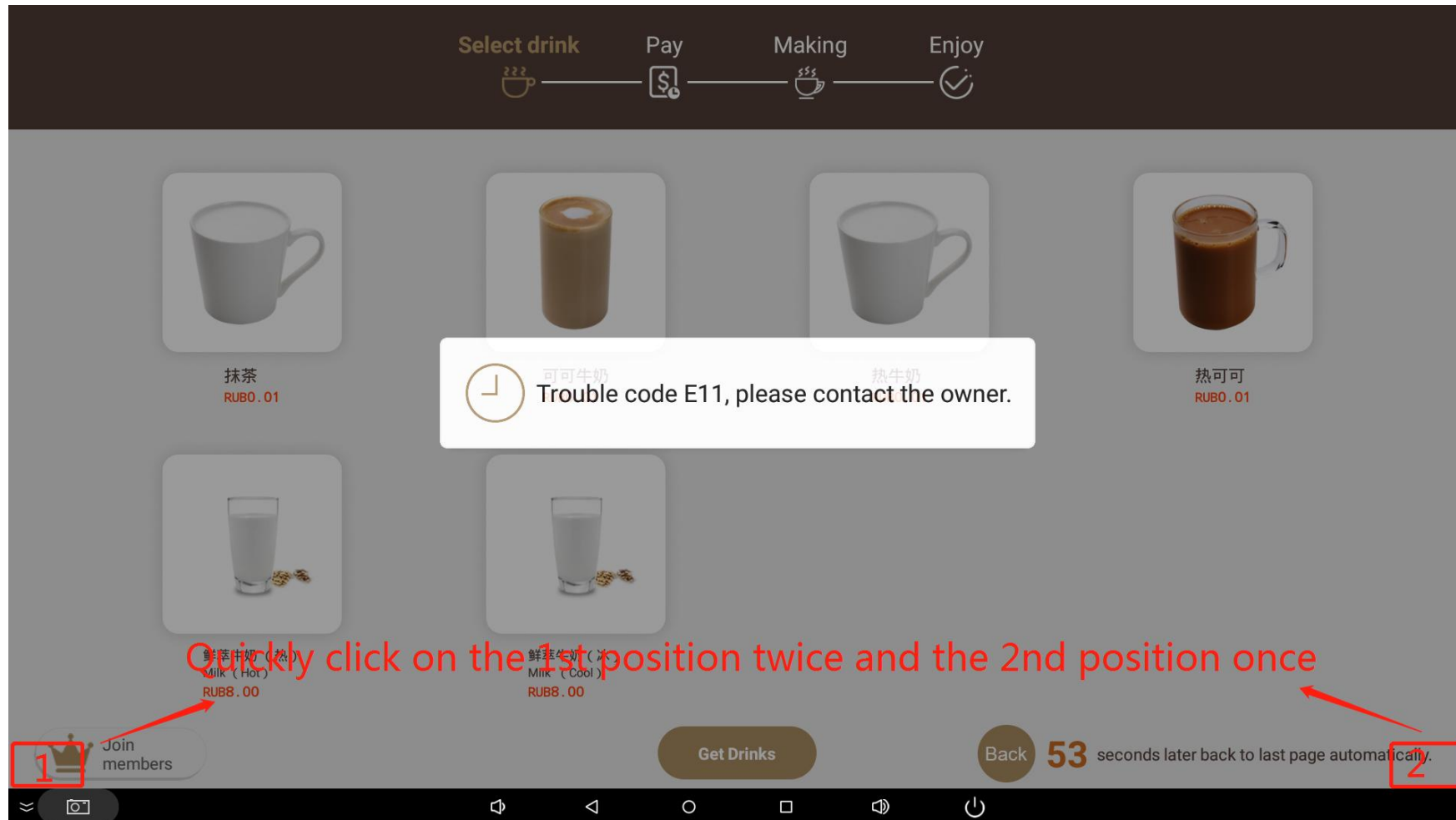


## 4.2.4、Fault code E11

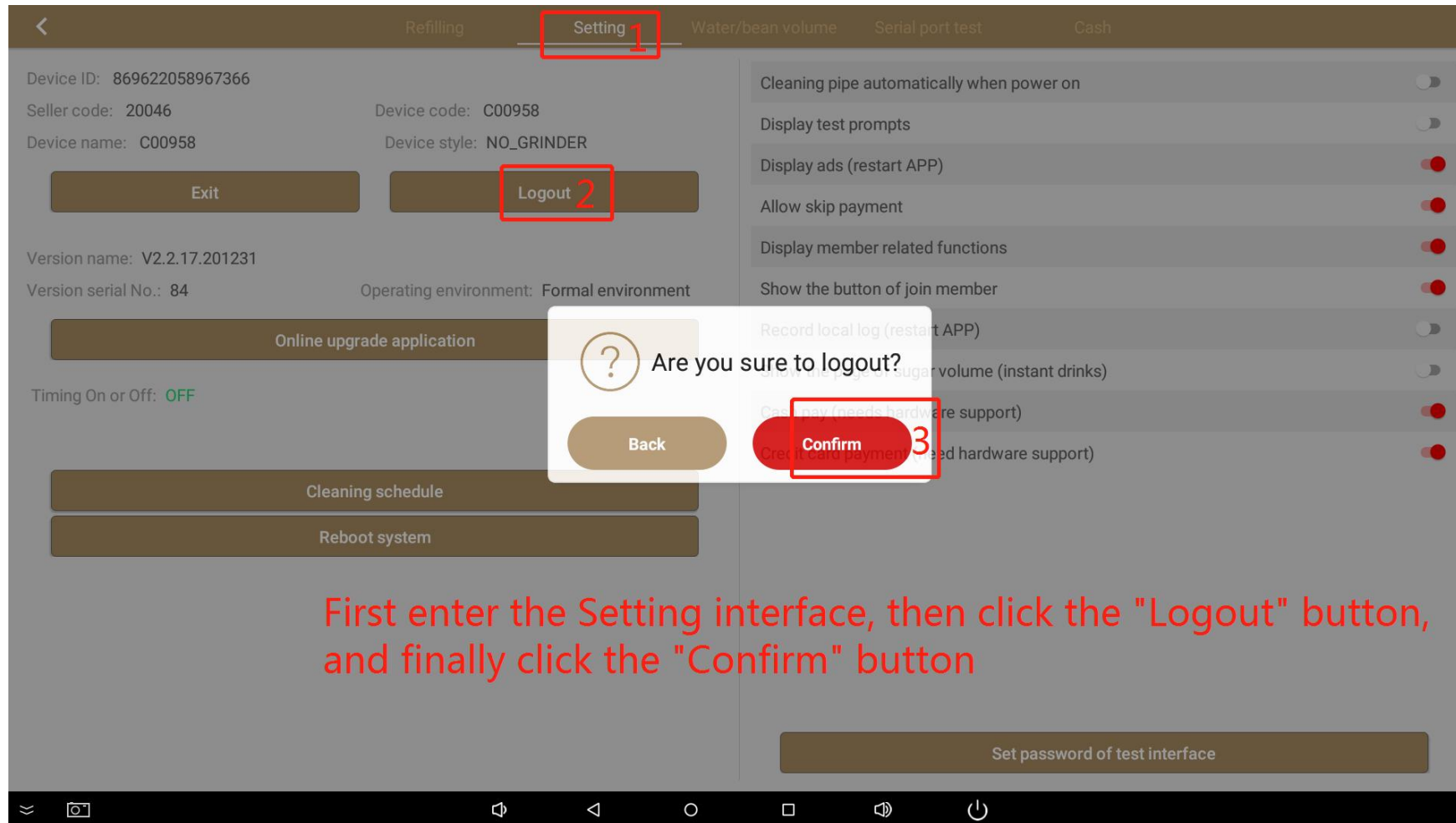
- The fault code E11 means that the communication is not
- smooth, you need to check whether the serial port number
- is set incorrectly, and whether the main board is powered on



## 4.3.1.1、Modify serial port number

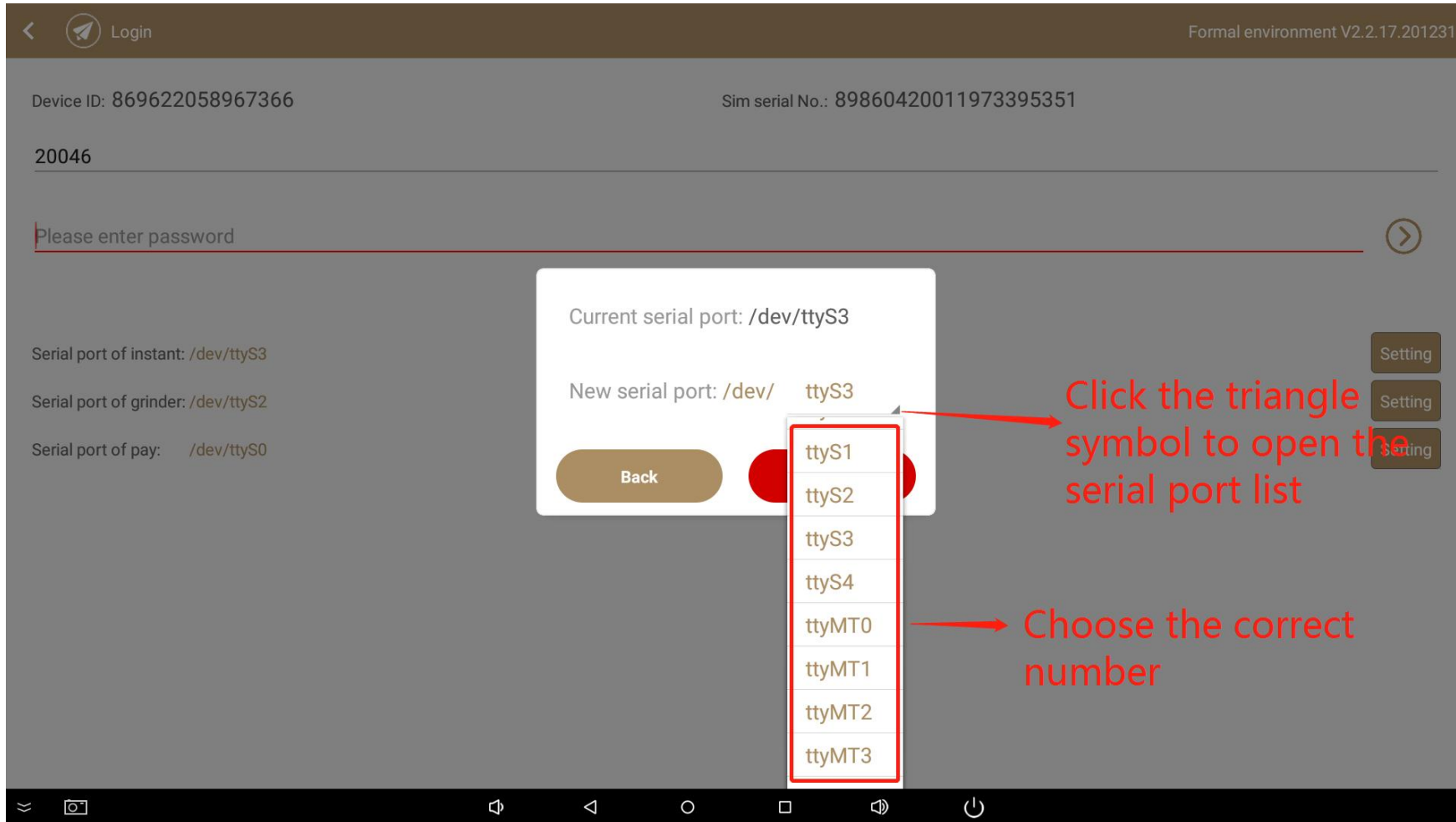


## 4.3.1.2、Modify serial port number

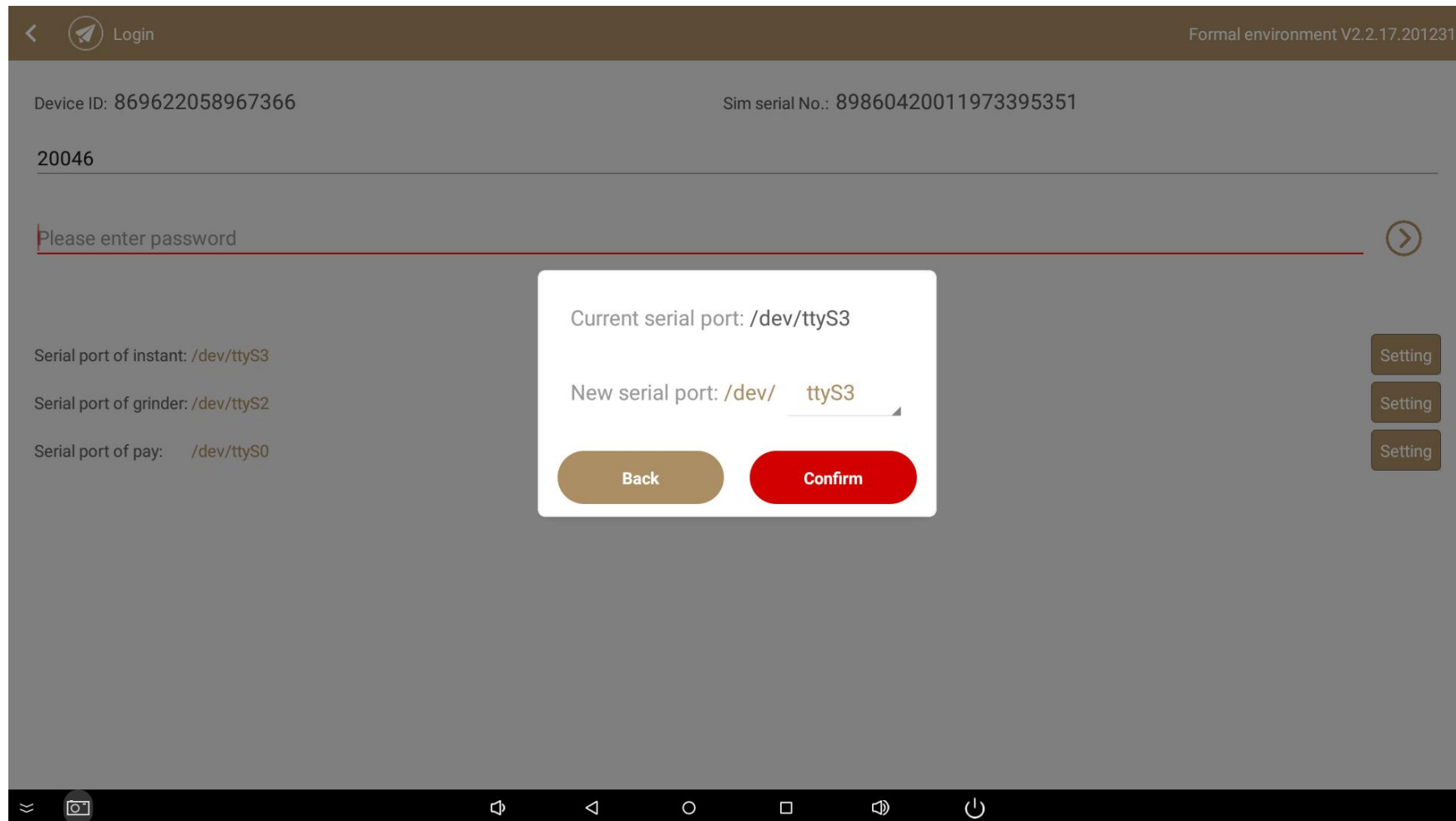




### 4.3.1.3、Modify serial port number



## 4.3.1.4、Modify serial port number



## 4.3.1.5、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 text input field with the value '20046' and a red arrow pointing to it with the text '2、 Please enter your account'. Below this is another text input field with the placeholder text 'Please enter password' and a red arrow pointing to it with the text '3、 Please enter your own password'. To the right of the password field is a circular button with a right-pointing arrow. A red arrow points from this button to the text '4、 Click to log in'. On the right side of the screen, there are three 'Setting' buttons stacked vertically. On the left side, 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'. A red arrow points from this box to the text '1、 Please take a picture of the serial port number and save it'. At the bottom of the screen, there is a standard Android navigation bar with icons for back, home, and recent apps.

Device ID: 869622058967366 Sim serial No.: 89860420011973395351

20046 → 2、 Please enter your account

Please enter password → 3、 Please enter your own password

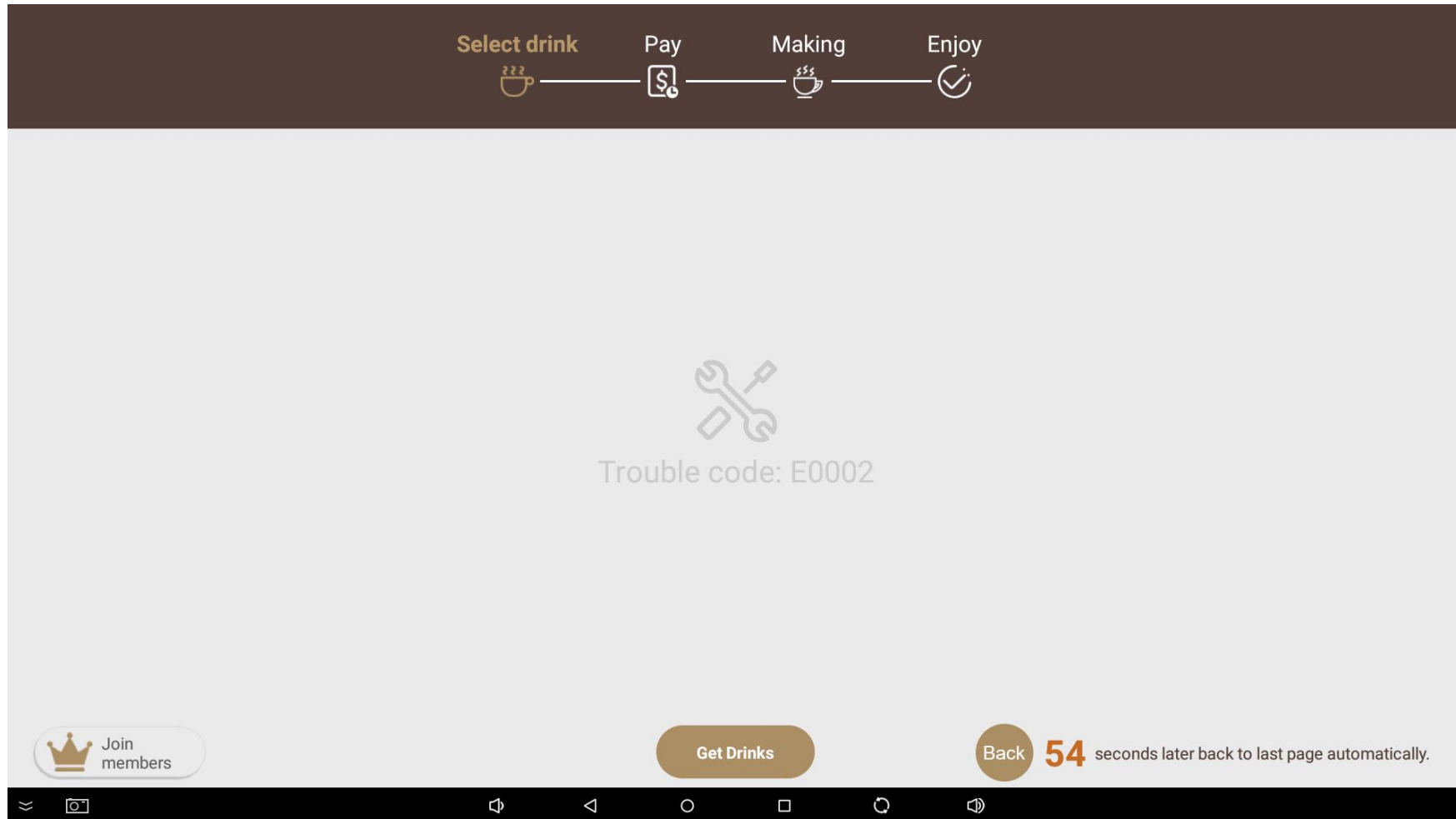
4、 Click to log in

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

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

## 4.4、Fault code E0002

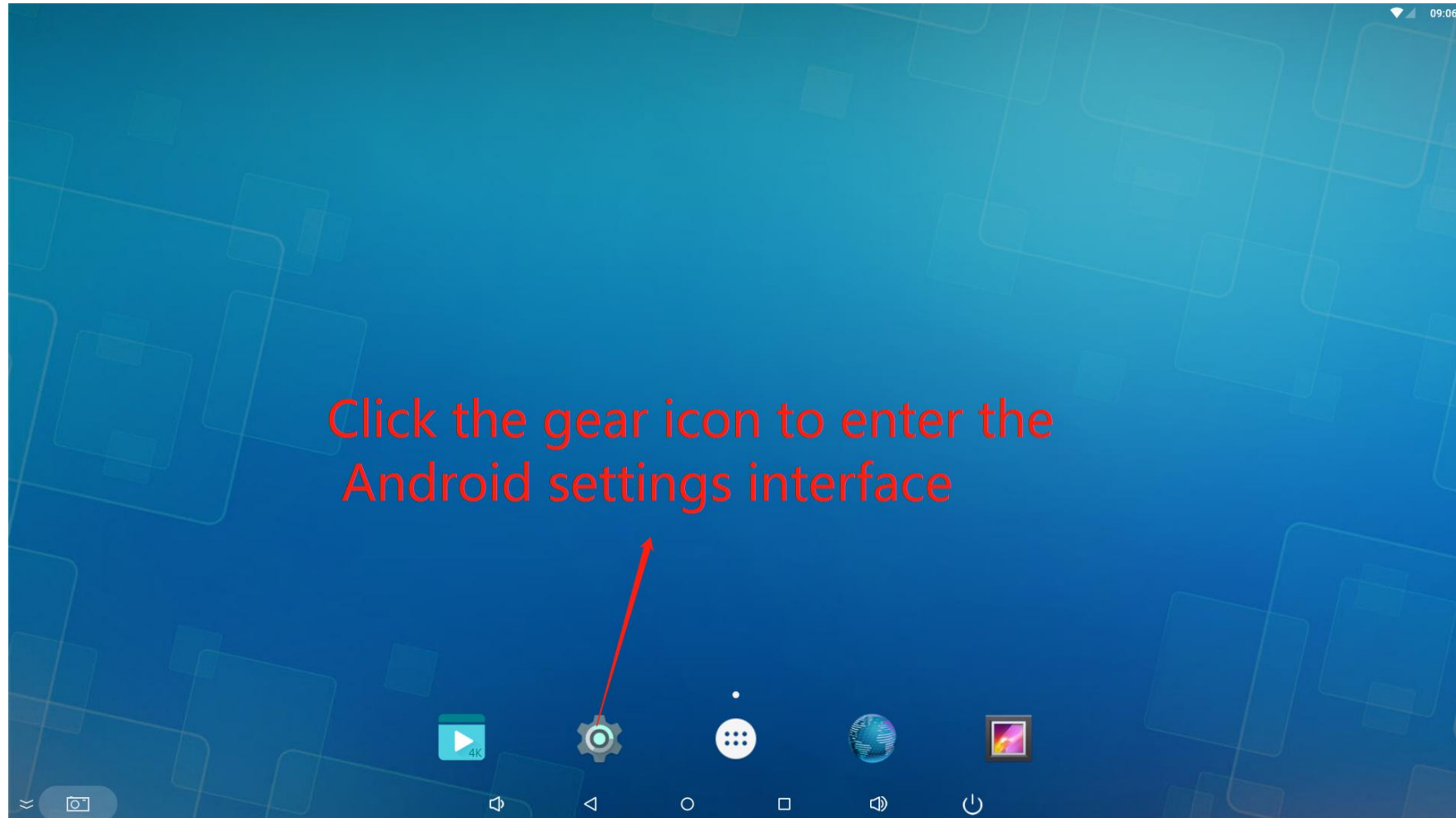
- E0002 represents back-office management fee arrears,
- please contact the sales manager for processing



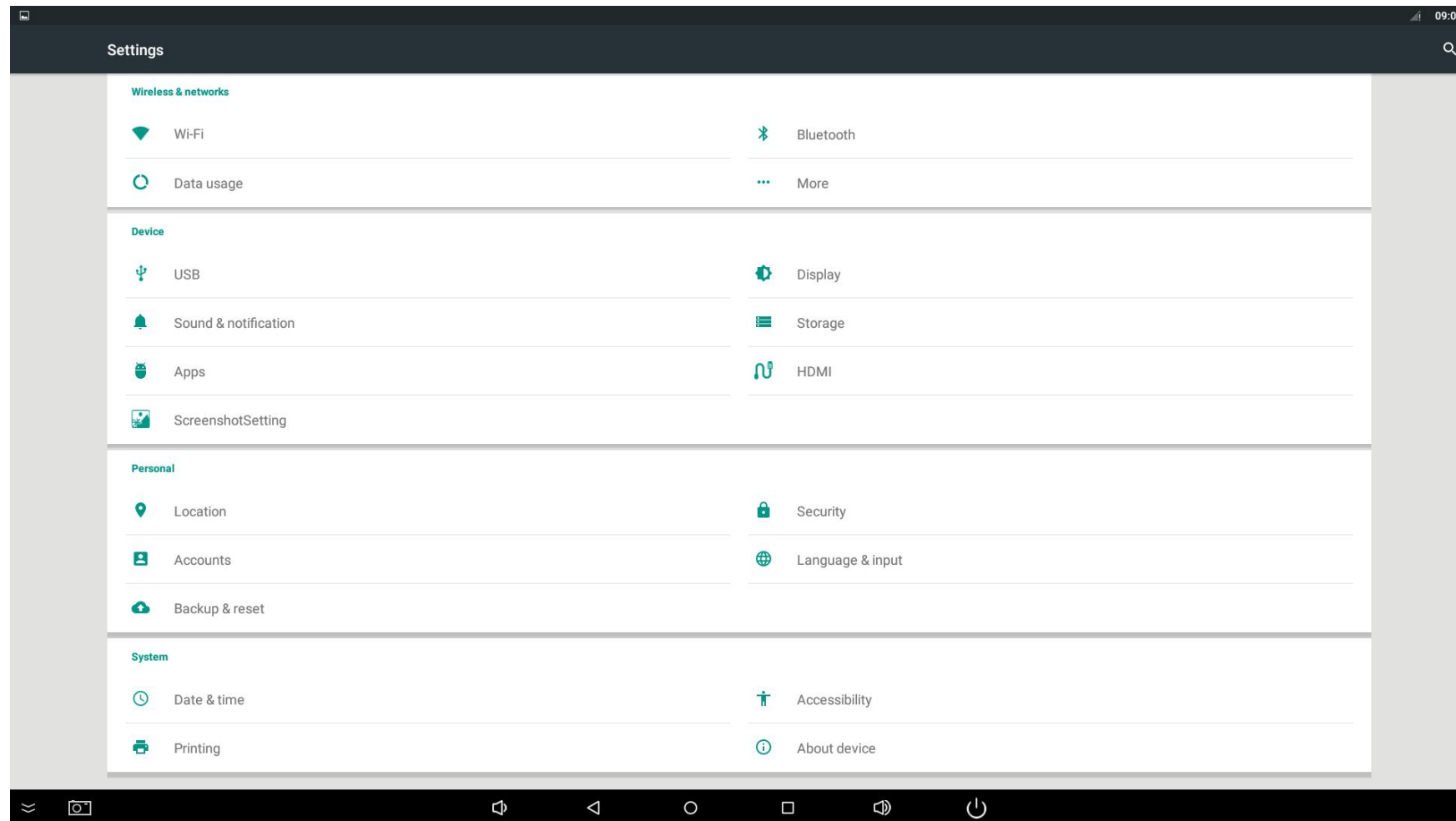
## 4.5.1、Turn on the wifi function



## 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

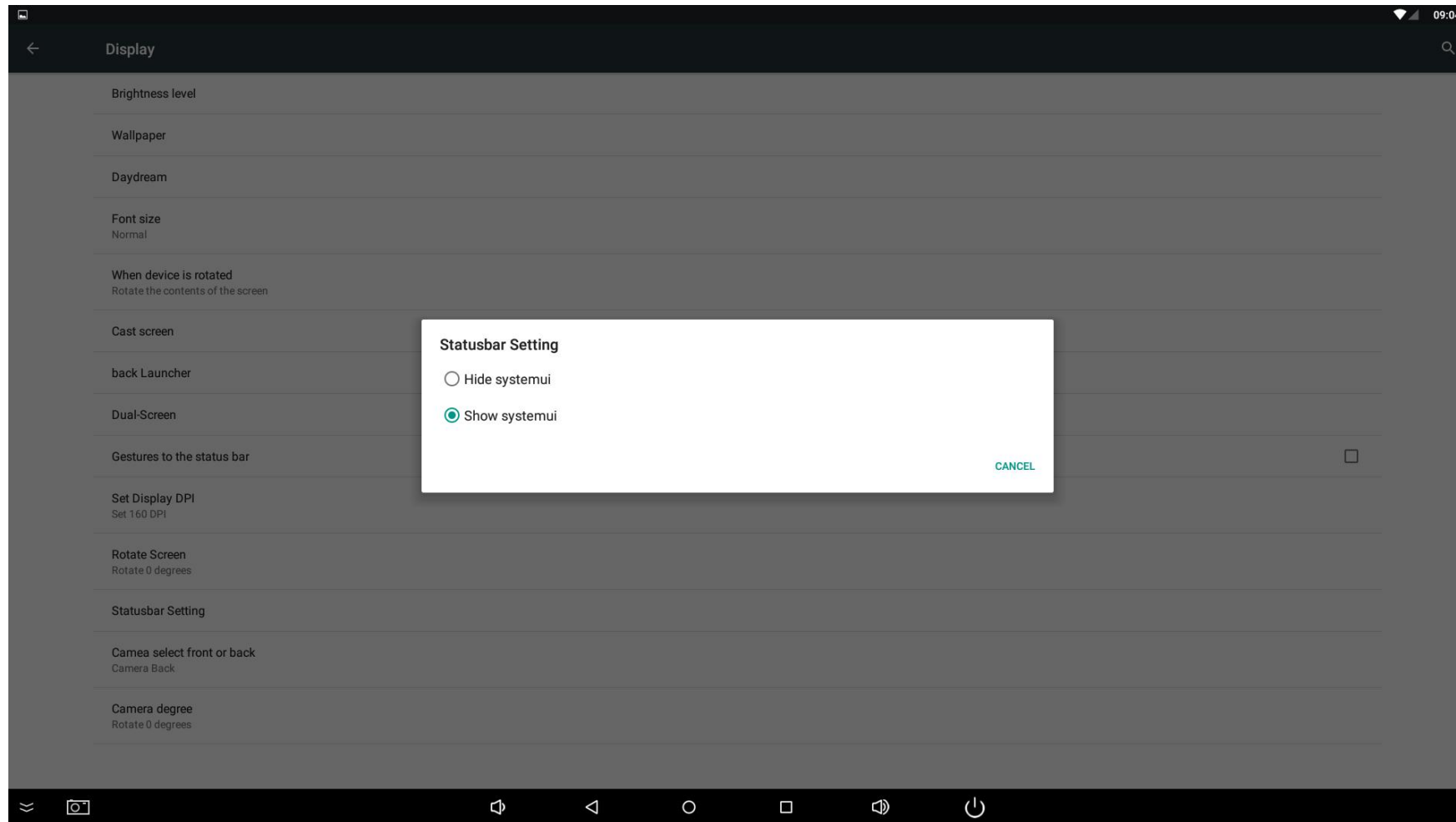




## 4.5.2.1、Open and close the status bar



## 4.5.2.2、Open and close the status bar



## 5、 After-sales service

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

**THANKS !**