

# Standard Android System User Manual

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# Preface

This user manual is made to introduce the back-end management system functions of all the vending machines VC Vending manufactured, exclusive of the customized functions. By far this system has been utilized on spiral machines, grab & go machines, hot food machines, micro market, elevator machines, frozen food machines, coffee machines and drink machines. The back-end system consists of payment, product loading, sales statistics, language switching, shopping interface management, hardware debugging, etc., after continuous improvement, the system is now able to cover all necessary needs and offer guarantee stable and smooth business running.

# 1.The hidden menu

- 1.1. When you turn on the machine the first time, the “Quick setup guide” menu will pop out. In this menu you can configure the screen type, the screen orientation, the UI interface, etc. When configuration is finished you can click “Next” to enter the shopping interface.

Warning: please do not change the parameters here, or the machine will not work properly!

|                              |                                    |
|------------------------------|------------------------------------|
| Screen size<br>大屏            | Screen orientation<br>竖屏           |
| Motherboard type<br>弹簧驱动     | Group No. of serial port 1<br>0    |
| Motherboard type2<br>NONE    | Group No. of serial port 2<br>NONE |
| Motherboard type3<br>NONE    | Group No. of serial port 3<br>NONE |
| UI type<br>12~快速购物           | Board baud rate<br>9600            |
| Server select<br>MQTV4       | Advert use type<br>平台自带            |
| Pay system type<br>不使用主板支付系统 | Qrcode type<br>单码显示(多码合一)          |
| Seriport 1<br>/dev/ttyS1     | Seriport 2                         |

NEXT

1.2 The UI type will be the one you selected in the “Quick setup guide” menu.



1.3 Click the “Keyboard” icon and enter 73194653 to the box, hold the red rectangle area to enter the back-end management menu.



Back

### Background management login

Admin login

The password is too simple. Please change after login!

Replenishment login

Login

(The new version)

Back Login



Admin login

The password is too simple. Please change after login!

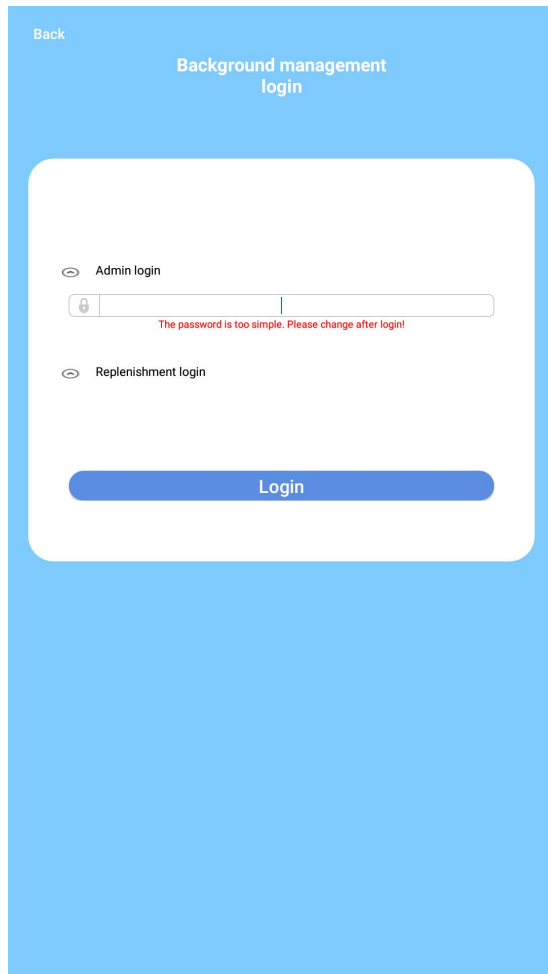
Replenishment login

Login

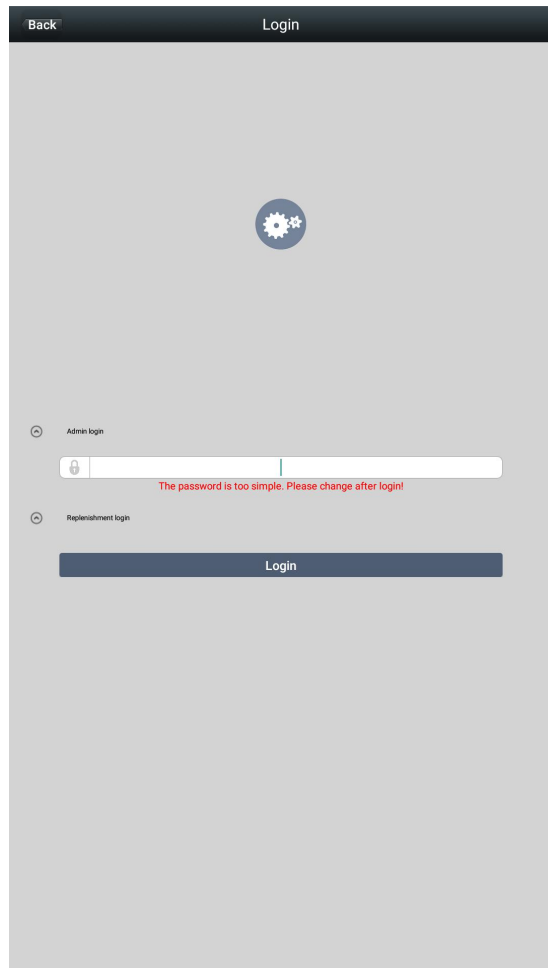
(The old version)

## 2. Login to the back-end management menu

2.1 Enter the login interface and enter the initial password(000000), then click “login”.



The image shows a mobile application login screen with a light blue background. At the top left is a 'Back' button. The title 'Background management login' is centered at the top. Below the title is a white rounded rectangle containing two login options: 'Admin login' and 'Replenishment login'. Each option has a small eye icon to its left. The 'Admin login' option is selected, and its password field contains '000000'. Below the password field, a red error message reads 'The password is too simple. Please change after login!'. At the bottom of the white rectangle is a blue 'Login' button.



The image shows a mobile application login screen with a grey background. At the top is a dark header bar with 'Back' on the left and 'Login' on the right. Below the header is a large gear icon. Underneath the gear icon are two login options: 'Admin login' and 'Replenishment login', each with a small eye icon to its left. The 'Admin login' option is selected, and its password field contains '000000'. Below the password field, a red error message reads 'The password is too simple. Please change after login!'. At the bottom is a dark blue 'Login' button.

2.2 To secure its safety you must reset the initial password, after resetting you will need to login again.

Change password

New password

Double confirm

Confirm the changes

1 2 3 4 5 6 7 8 9 0

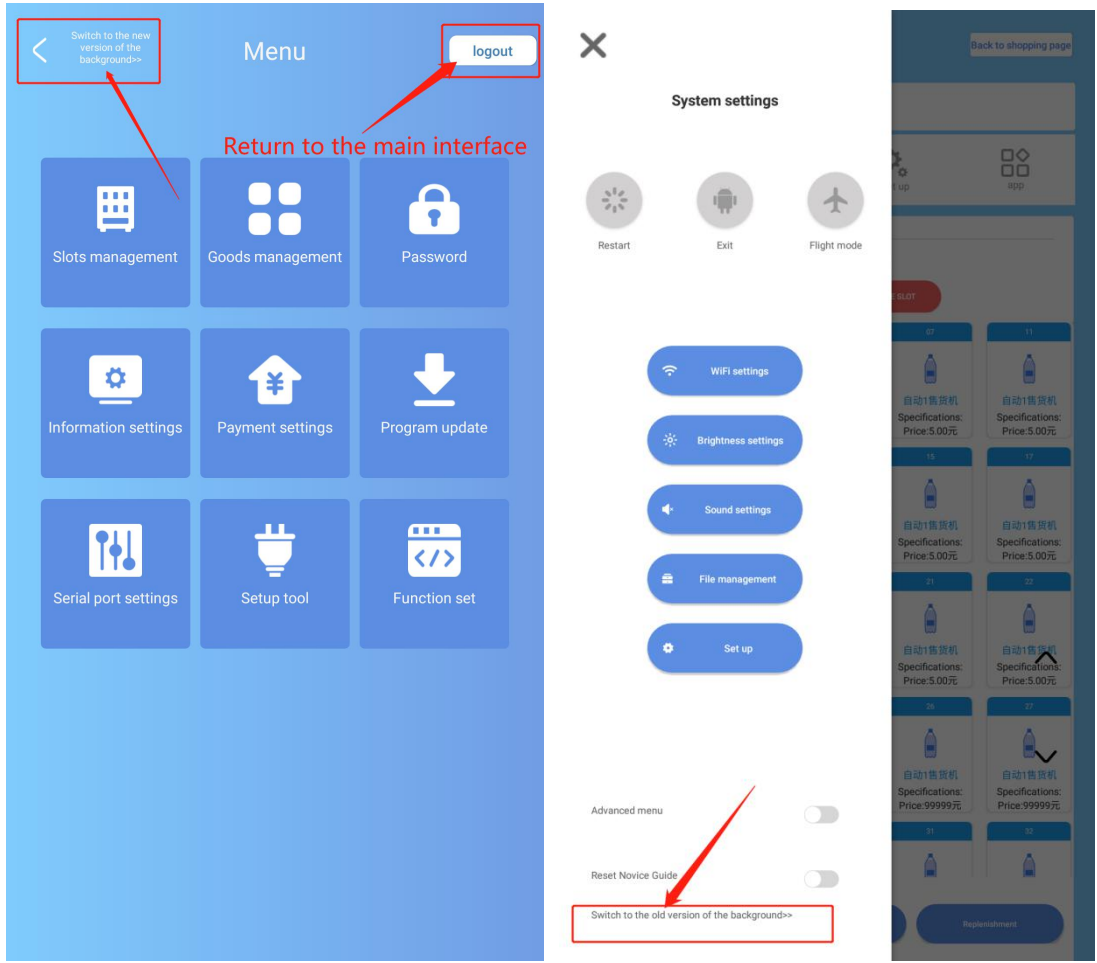
q<sub>1</sub> w<sub>2</sub> e<sub>3</sub> r<sub>4</sub> t<sub>5</sub> y<sub>6</sub> u<sub>7</sub> i<sub>8</sub> o<sub>9</sub> p<sub>0</sub> ✕

a<sub>@</sub> s<sub>\*</sub> d<sub>+</sub> f<sub>-</sub> g<sub>=</sub> h<sub>/</sub> j<sub>#</sub> k<sub>(</sub> l<sub>)</sub> ➡

⬆ z<sub>'</sub> x<sub>:</sub> c<sub>"</sub> v<sub>?</sub> b<sub>!</sub> n<sub>~</sub> m<sub>...</sub> ! ? ⬆

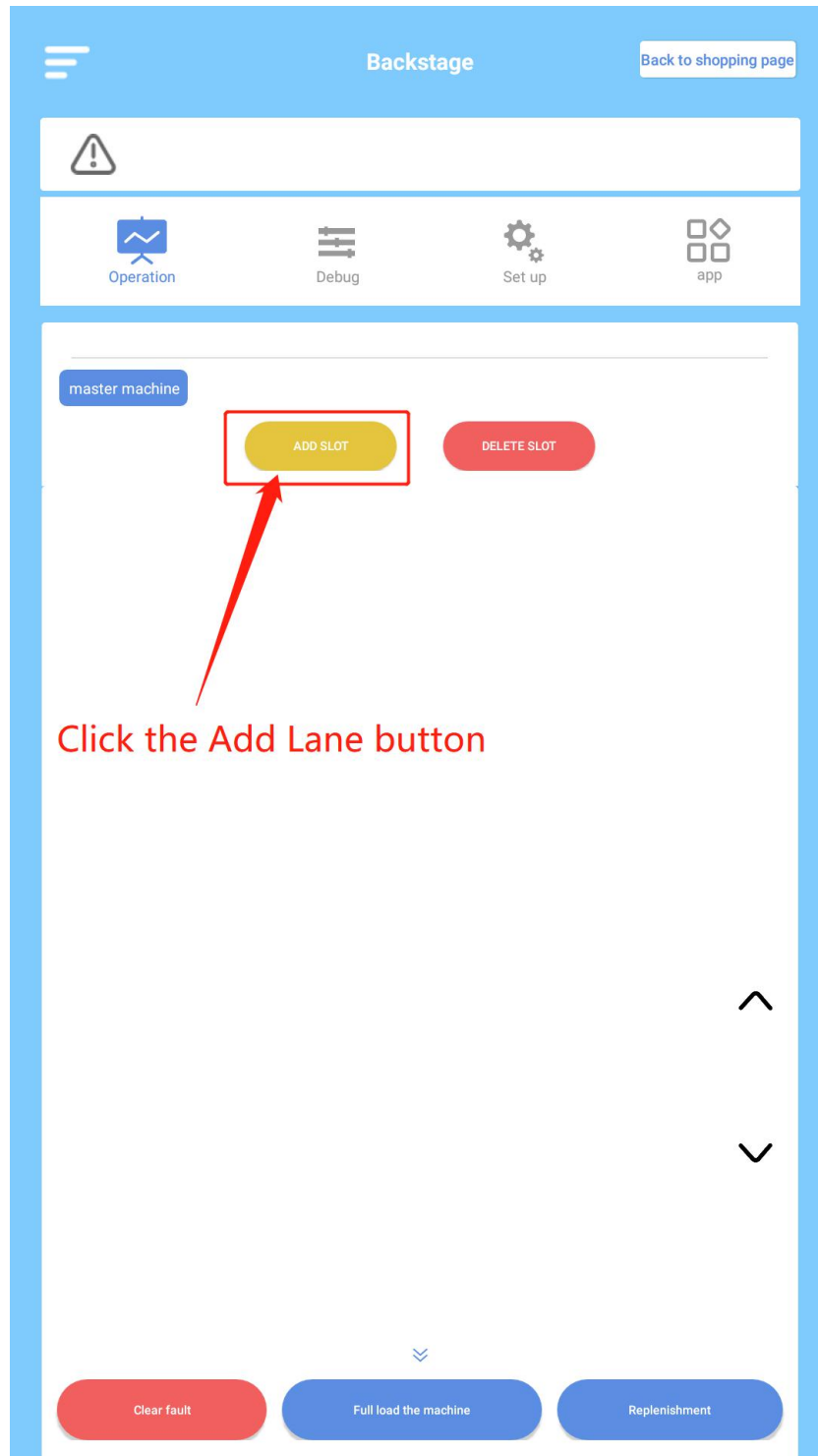
?123 , 🌐 [ ] ;'< :> . ?123

2.3 If you enter the old version you can click the button on the top left corner to switch to the new version, after that, exit, go back to the shopping interface and login again.



## 3. Operating management

3.1 Add slots: When adding slots, enter 1 to the starting box and enter the total slot quantity to the End box.



Operation

Debug

Set up

app

master machine

ADD SLOT

DELETE SLOT

First track number

Please enter the slot number to be displayed

Begin

Please enter

End

Please enter

Cancel

Confirm

Last track number

Clear fault

Full load the machine

Replenishment

-

+

,

1

2

3

✕

\*

/

.

4

5

6

→

(

)

=

7

8

9

←

\*

0

#

Backstage

Back to shopping page

Operation

Debug

Set up

app

Click the picture to enter the edit page

master machine

ADD SLOT

DELETE SLOT

01



Vending machi...  
Specifications:  
Price:6553.5元

02



Vending machi...  
Specifications:  
Price:6553.5元

03



Vending machi...  
Specifications:  
Price:6553.5元

04



Vending machi...  
Specifications:  
Price:6553.5元

05



Vending machi...  
Specifications:  
Price:6553.5元

06



Vending machi...  
Specifications:  
Price:6553.5元

07



Vending machi...  
Specifications:  
Price:6553.5元

08



Vending machi...  
Specifications:  
Price:6553.5元

09



Vending machi...  
Specifications:  
Price:6553.5元

10



Vending machi...  
Specifications:  
Price:6553.5元

11



Vending machi...  
Specifications:  
Price:6553.5元

12



Vending machi...  
Specifications:  
Price:6553.5元

13



Vending machi...  
Specifications:  
Price:6553.5元

14



Vending machi...  
Specifications:  
Price:6553.5元

15



Vending machi...  
Specifications:  
Price:6553.5元

16



Vending machi...  
Specifications:  
Price:6553.5元

17



Vending machi...  
Specifications:  
Price:6553.5元

18



Vending machi...  
Specifications:  
Price:6553.5元

19



Vending machi...  
Specifications:  
Price:6553.5元

20



Vending machi...  
Specifications:  
Price:6553.5元

21



Vending machi...  
Specifications:  
Price:6553.5元

22



Vending machi...  
Specifications:  
Price:6553.5元

23



Vending machi...  
Specifications:  
Price:6553.5元

24



Vending machi...  
Specifications:  
Price:6553.5元

25



Vending machi...  
Specifications:  
Price:6553.5元

Clear fault

Full load the machine

Replenishment

3.2 Slot editing: Click a product image to enter that slot, here we can edit the slot number, the product name, the price, the stock, change the product image, etc., click save to save the information and the information in the shopping interface will be refreshed.

- ① Slot number
- ② Slot stock: The max stock is 199, after loading products you can edit the information.
- ③ Slot status: When the products in this slot are sold out or when there is an error, you can disable this slot so that customers cannot select.
- ④ Age verification before payment: It is only available when an age verification card reader is installed.
- ⑤ Product image: You can change the image via mobile back-end system. You might as well copy the images to a flash driver and then paste them to "ImageGoods" folder and select there.
- ⑥ One-key slot test: If you click this button, all the slots will do a vend test.
- ⑦ Clear faults: When there is an error and when the error is cleared, click this button to initialize this slot.

Back
Cargo Editing

Slot number

1

~

1

Product name

Vending machine

Price

6553.5

Inventory records

☐

Inventory quantity

-

199

+

Cargo Capacity

-

199

+

Product Code

1

Types of goods

▼

Product description

Slot state

Have goods

▼

Verify age before payment

☐

Minimum purchase age

Pictures of goods



Change picture

Advert



Change picture

Product details image



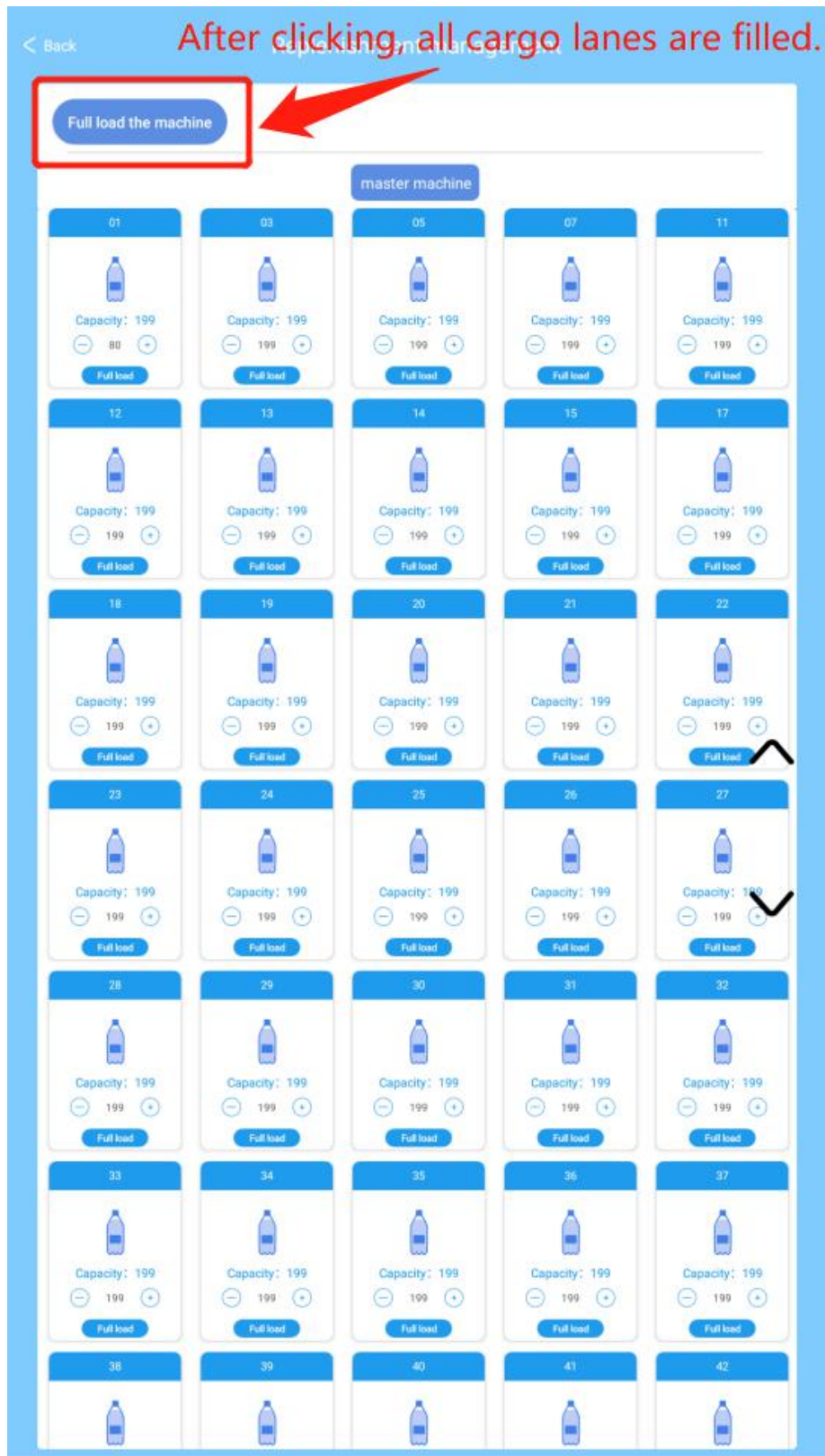
Change picture

Test lane

Clear Fault

CONFIRM

3.3 Loading products: After loading products to the machine you can edit the information here. If you load all slots full you can click the “One-key full loading” button.



## 4. Information setting

There are 4 parts in this section: basic information, time setting, reminders and menu setting.

4.1 Basic information: Configure the necessary parameters so that the machine can start working.

- ①Machine IP: Enter the back-end system server IP address.
- ②Port number: It is for Android system connection and identification.
- ③Currency: Select the one being used in your country.
- ④Price decimal: Show the price with decimal point or not.
- ⑤Products per page: Set how many products there are in one page.
- ⑥Show shopping interface: Keep it on.
- ⑦Check app foreground: When it is turned on, after leaving the shopping interface it will go back to the shopping interface automatically. So when you want to configure the settings, turn it off first.
- ⑧Quick setup guide: In this menu you can set the screen orientation, the screen size, the UI type, and so on.

Backstage [Back to shopping page](#)

⚠️

Operation Debug Set up app

Information Version Payment Serial port Password log

### Basic settings

Server IP

Port ID

Machine ID

IOT Card Number

Price unit

Decimal point setting

Slot number setting

Commodities displayed per page

Display shopping interface ☒

Check APP foreground ☒

Quick setup guide ☐

Use printer ☐

### Time settings

Restart time every day

Time for standby pictures

**Return to the first step of hiding menu settings after opening**

#### 4.2 Time setting: Set the working time and the standby time.

- ① Working time: Set a time period and customers can only buy within this period.
- ② Turn off refrigeration or not when machine is not in working period: The refrigerating system will stop working if you set "on", you can save some money from it.
- ③ Restart time: The machine will restart at this time every day.
- ④ Standby picture time: Display time of standby images and videos.
- ⑤ Image interval: Set the display interval between two images.
- ⑥ Turn off the machine and restart: The machine will be turned off and will restart immediately.

Backstage

Back to shopping page

Operation

Debug

Set up

app

Information

Version

Payment

Serial port

Password log

Time settings

Restart time every day

4

Time for standby pictures

60Second

Start time in standby

60Second

Interval for picture playback

10Second

Turn off and restart

Daily operation time

Time period selection

Turn off refrigeration during non-operation time or not.

Refrigerating / heating

Please enter tem

Set up

4.3 Reminders: to remind customers that they should follow the guides.

- ①Valid payment time: After selecting a product, the customer has some time to pay.
- ②Voice tips:
- ③Standby video displaying: The screen will display videos when the machine enters standby status.

Backstage

Back to shopping page

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Password log

Prompt settings

Advertising settings

自动售货机

Welcomes settings

欢迎使用自动售货机，请选择商品！

Keyboard option text settings

键盘

Keyboard enter prompt

请输入货道号

Payment tips

请投币或使用微信、支付宝扫码支付

Valid paying time

90

Tips for swiping cards

请刷手牌

Sold out prompt revising

Display by pages

Audio prompt

Full screen

Full screen display of standby pictures

Display category

Standby advertising display

Do not display balance prompt

Display touch prompt

#### 4.4 Menu setting:

- ① Display products by product codes: Usually the products will be displayed by their names, when you turn it on, the products will be displayed by their codes.
- ② Skin plugins: To replace the shopping interface UI.

- ③ Language setting: English and Chinese are the two languages, if you want other languages, check with the customer service.
- ④ Temperature abnormal lock-up: When the interior temperature is too high the machine will be locked automatically to prevent explosion.
- ⑤ Automatic lock-up after continuous vend failure: We suggest that you set 5. If you set 9, the machine will never lock it up automatically after continuous vend failure.

Backstage

Back to shopping page

Operation

Debug

Set up

app

Information

Version

Payment

Serial port

Password log

Standby advertising display

Do not display balance prompt

Display touch prompt

Menu settings

watchdog

Display commodities by the code

Skin plugin

Shopping cart

Maximum number of shopping carts

5

Language settings

Chinese , English , French

Turn on the over-temperature lock machine

APP(delivery code) shipment

Failed counts lock the machine(9.unlock machine)

5

Last failure record

Restore default settings

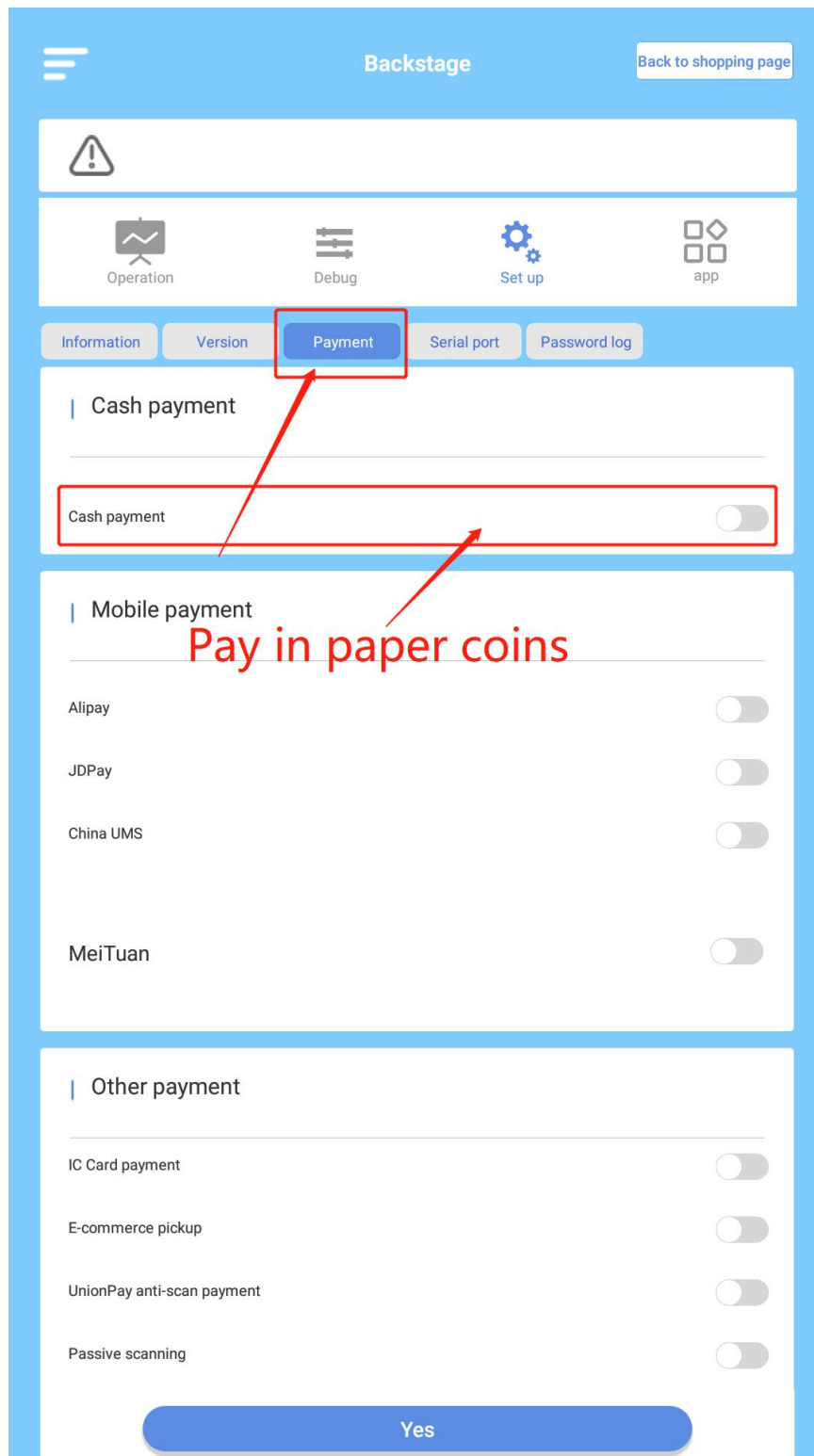
RESET

YES

## 5. Payment system

Cash payment, mobile payment and some other payment methods are available in this menu.

5.1 Cash payment: Available only when a bill validator or a coin changer is installed, you can set the way to give change and refund, then click save.



5.2 Mobile payment: You must configure the mobile payment parameters in the iCloud management system so that the machine can generate QR codes for payment.

Backstage

Back to shopping page

Operation

Debug

Set up

app

Information

Version

Payment

Serial port

Password log

Mobile payment

Alipay

Alipay account

17101021271@qq.com

PartnerId

20886010494662681

Check code

gmw9mczhqlfbrphwqhfweatznicbpbbx1

Alipay sub-account

JDPay

China UMS

MerchantCode

9110000000000000

TerminalCode

88880001

AppId

QRPAYDEFAULT

Yes

5.3 Other payment methods: Necessary peripherals will be needed, like credit/debit card reader, IC card reader, membership card reader, QR code scanner, etc.

Backstage

Back to shopping page

Operation

Debug

Set up

app

InformationVersionPaymentSerial portPassword log

IC Card payment

IP address of IC card payment

113.240.228.166

Port of IC card payment

8055

E-commerce pickup

E-commerce pickup address

http://www.xxx.com/WXdevelop/VerifyCode

Polling interval

3

E-commerce payment

Address for e-commerce payment

Lottery

UnionPay anti-scan payment

UnionPay scanning request URL

https://api-mop.chinaums.com/v2

Appld

f0ec96ad2c3848b5b810e7aadf369e2f1

Product key (appKey) (provided by UnionPay's commercial party)

775481e2556e4564985f5439a5e6a277

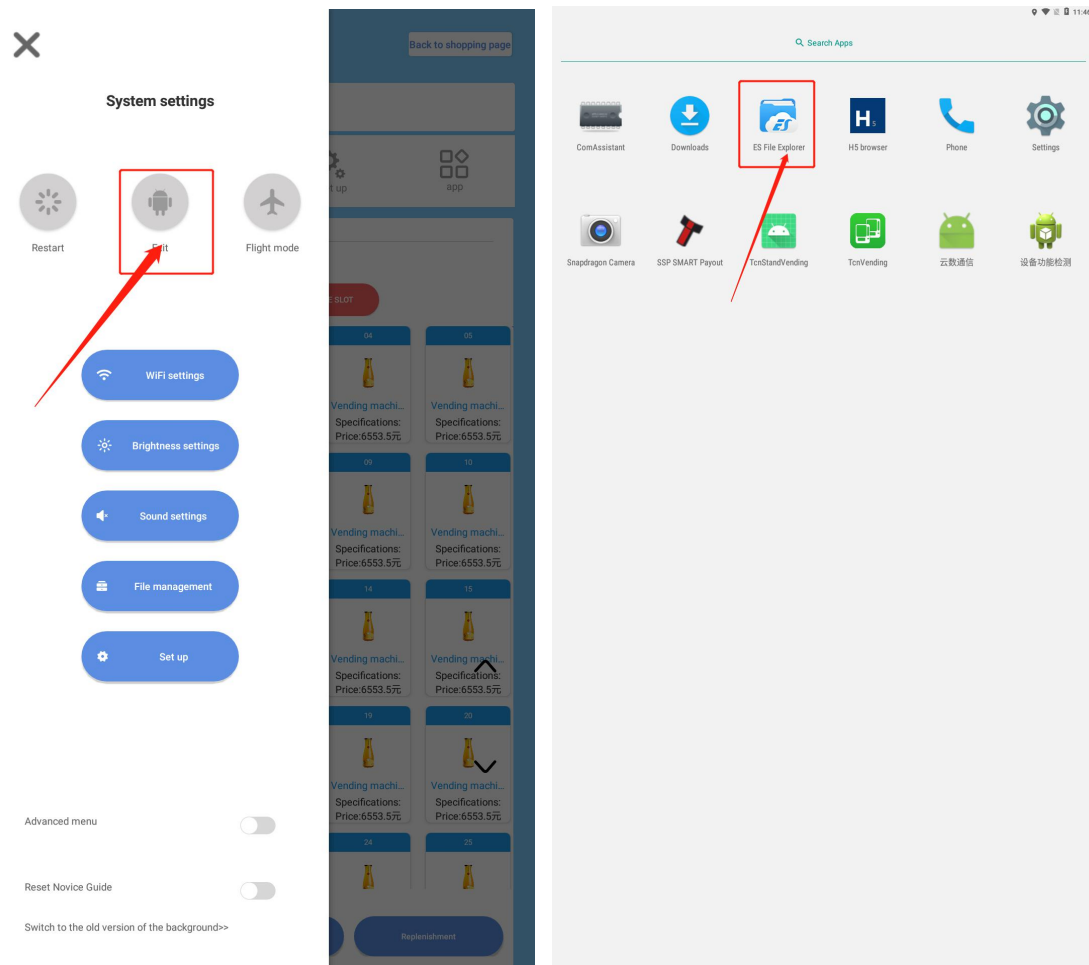
Yes

## 6. Software update

The Android software system will be upgraded every month to optimize the functions and improve user experience. You can update the software version via online updating or flash driver.

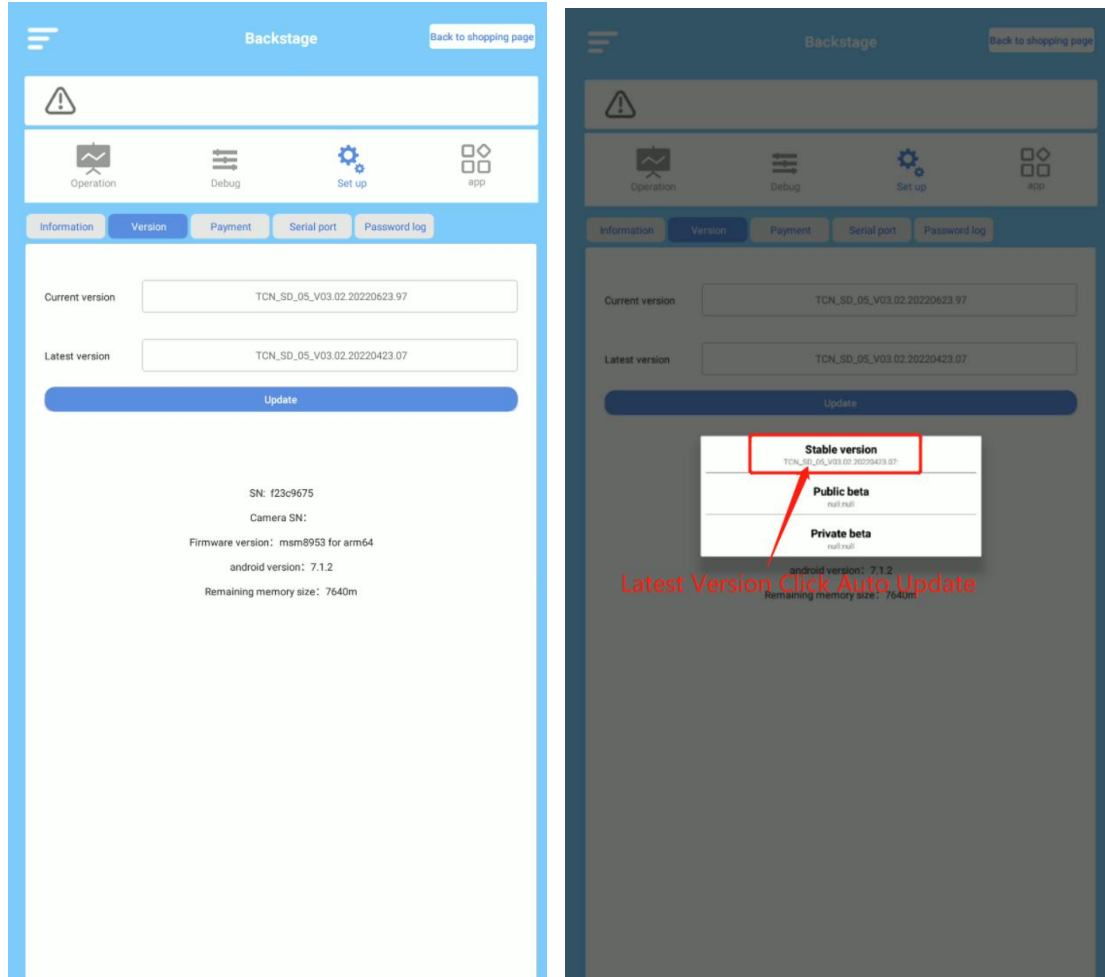
### 6.1 Copy with a flash driver.

Copy the APK to the flash driver, insert the driver to the Android box in the machine, then enter the back-end management menu, quit and go to the desktop, delete the current software, open the flash driver and install the last APK to the machine.



## 6.2 Online updating

You can check the current software in back-end management menu-settings-software version, click update, select the stable version and update. It might take a while so please wait patiently.



## 7. Other questions

### 7.1 Advertisement space replacement

The advertising spaces in different user interfaces are different, if you want to replace, reach out to the customer service.



## 7.2 How to turn on the drop sensor if there is a drop sensor in the machine?

Enter back-end management system, enter “Debug” menu, turn on the “Drop sensor” to activate the drop sensor.

The screenshot shows the 'Backstage' management system interface. At the top, there is a blue header with a hamburger menu icon, the text 'Backstage', and a 'Back to shopping page' button. Below the header is a white bar with a warning icon. Underneath is a navigation bar with four icons: 'Operation' (a line graph), 'Debug' (three horizontal bars with arrows), 'Set up' (a gear), and 'app' (four squares). The main content area is divided into two sections. The first section, titled 'master machine', contains a list of settings with 'Yes' buttons: 'Split into single slot' (with a text input 'Please enter the slot number'), 'Merge the next slot as dual slot?' (with a text input 'Please enter the slot number'), 'Set all slots spring slots', 'Set all slots belt slots', 'Set all slots single slot', 'Reset all slots', 'Test mode stop only when power off', and 'one click reset'. The second section, titled 'Switch settings', contains a list of settings with toggle switches: 'Refrigerating / heating' (with a dropdown 'Room temperature' and a text input '-100'), 'Open/close the door' (with a dropdown), 'Drop sensor' (highlighted with a red box and a red arrow pointing to its toggle switch), 'Glass heating', 'LED lights', and 'Buzzer'.

Backstage

Back to shopping page

Warning icon

Operation Debug Set up app

master machine

Split into single slot Please enter the slot number Yes

Merge the next slot as dual slot? Please enter the slot number Yes

Set all slots spring slots Yes

Set all slots belt slots Yes

Set all slots single slot Yes

Reset all slots Yes

Test mode stop only when power off Yes

one click reset Yes

Switch settings

Refrigerating / heating Room temperature -100 Yes

Open/close the door Yes

Drop sensor Yes

Glass heating

LED lights

Buzzer

Open the switch, and the light detection is on.

### 7.3 How to turn on the refrigerating system?

Enter back-end management menu, debug, enter the temperature in the box for refrigerating and confirm.

The screenshot shows the 'Backstage' management interface. At the top, there is a navigation bar with a menu icon, the title 'Backstage', and a link 'Back to shopping page'. Below this is a warning icon and a row of four icons: 'Operation', 'Debug', 'Set up', and 'app'. The 'master machine' section contains several settings, each with a 'Yes' button: 'Split into single slot' (with a text input 'Please enter the slot number'), 'Merge the next slot as dual slot?' (with a text input 'Please enter the slot number'), 'Set all slots spring slots', 'Set all slots belt slots', 'Set all slots single slot', 'Reset all slots', 'Test mode stop only when power off', and 'one click reset'. The 'Switch settings' section is below, containing a list of settings with toggle switches: 'Refrigerating/heating' (set to 'Room temperature' and '-100'), 'Open/close the door', 'Drop sensor', 'Glass heating', 'LED lights', and 'Buzzer'. A red box highlights the 'Refrigerating/heating' setting, and a red arrow points to it. A red text overlay says 'Set mode first and save at the last point of set temperature'.

Backstage [Back to shopping page](#)

Warning icon

Operation Debug Set up app

master machine

Split into single slot  Yes

Merge the next slot as dual slot?  Yes

Set all slots spring slots Yes

Set all slots belt slots Yes

Set all slots single slot Yes

Reset all slots Yes

Test mode stop only when power off Yes

one click reset Yes

Switch settings

Refrigerating/heating   Yes

Open/close the door  Yes

Drop sensor ☒

Glass heating ☐

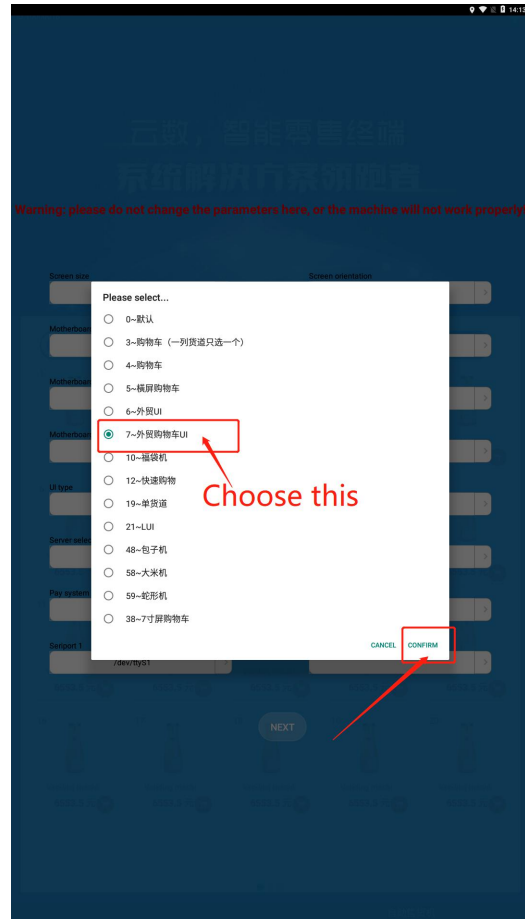
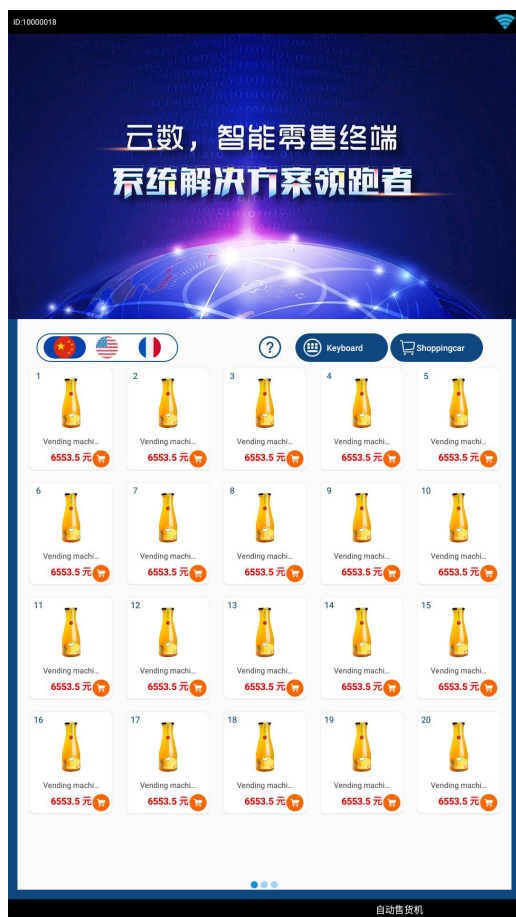
LED lights ☒

Buzzer ☐

**Set mode first and save at the last point of set temperature**

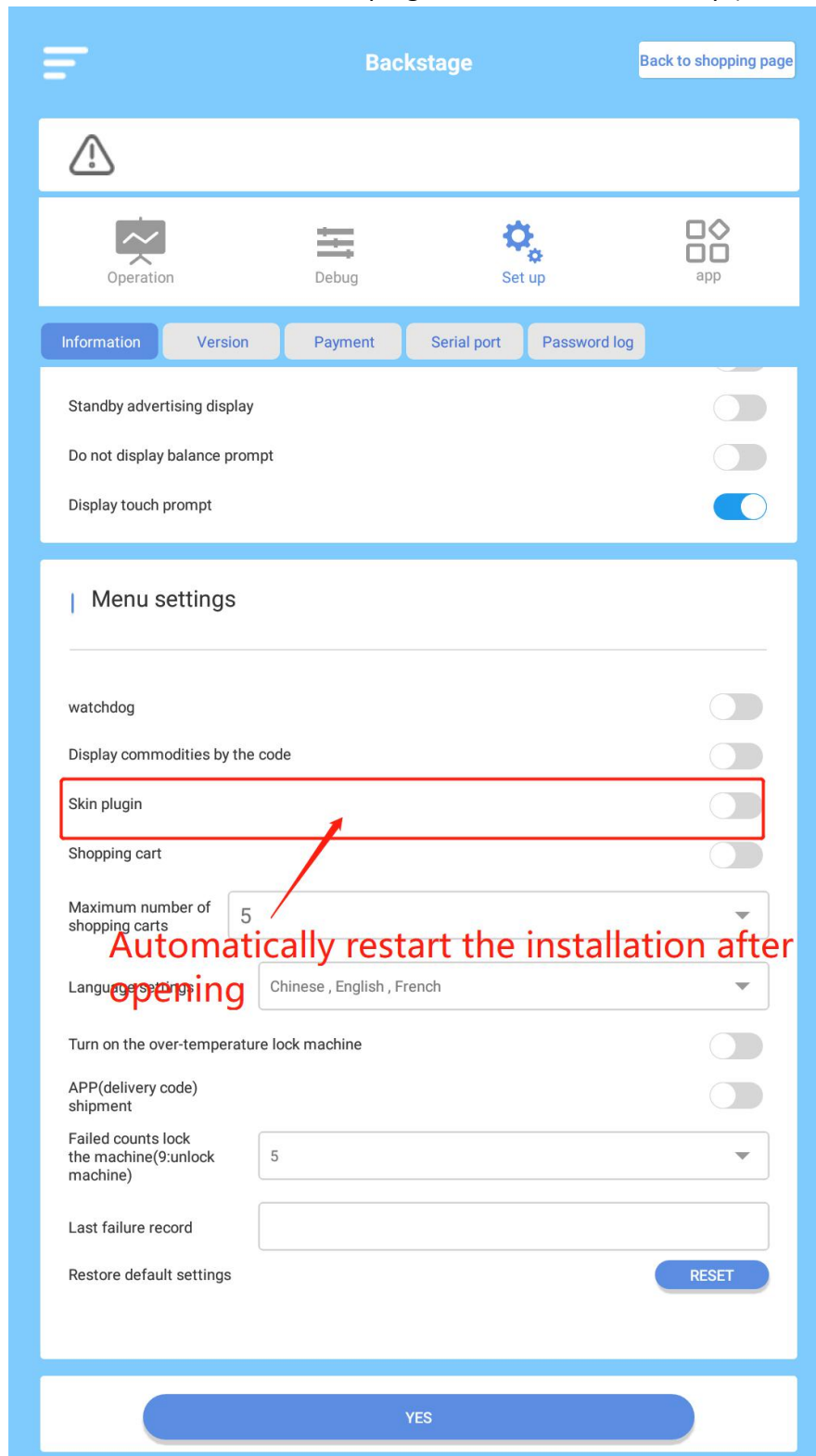
## 7.4 How to activate the shopping cart function?

Enter back-end management menu-settings-information setting-menu setting-turn on shopping cart-confirm. You might as well select the shopping cart UI in the UI type in “Quick setup guide” menu.

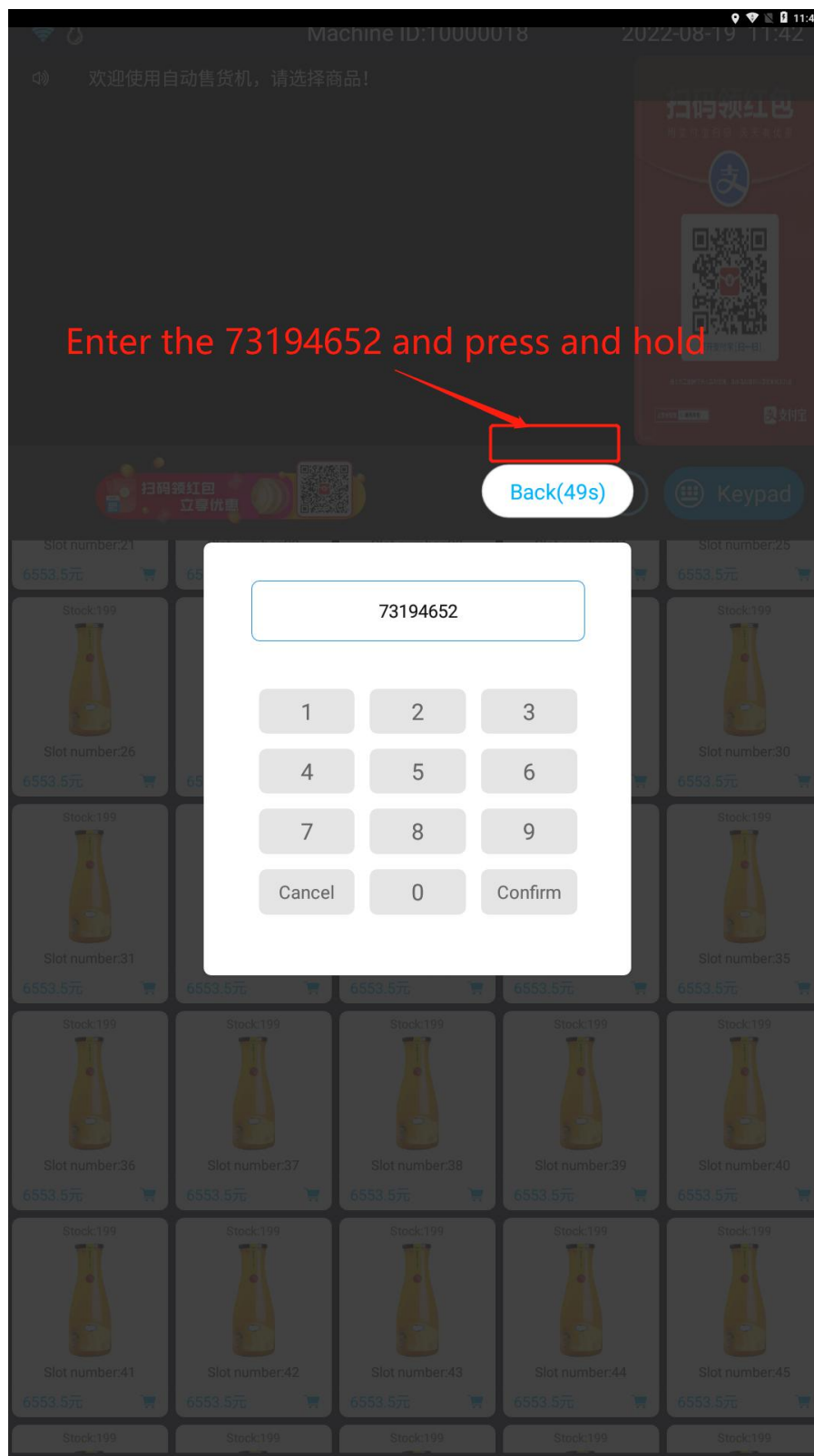


## 7.5 How to open the skin plugins?

If you want to change the skin of the shopping interface, enter the back-end management system and find the skin plugin switch in function setting menu and turn it on, after that the machine will restart and we just need to wait patiently.(P.S. before that we need to install the skin plugin to the Android desktop.)



And if you want to manage the skin plugins, you can click the keyboard icon in the shopping interface and enter 73194653 to the box and hold the hidden button to enter the back-end management menu. There you can set the hot-sale product marks, product displaying, the language, etc.



Settings

Configurations

Version

Display mode

Screen display mode

☒Half-screen

☐Full-screen

Product quantity per row

5

Shopping interface language

EN

Shopping cart

☐

Interface scroll

☒

支付宝工控UI

☐

Save