

# Standard Android System User Manual

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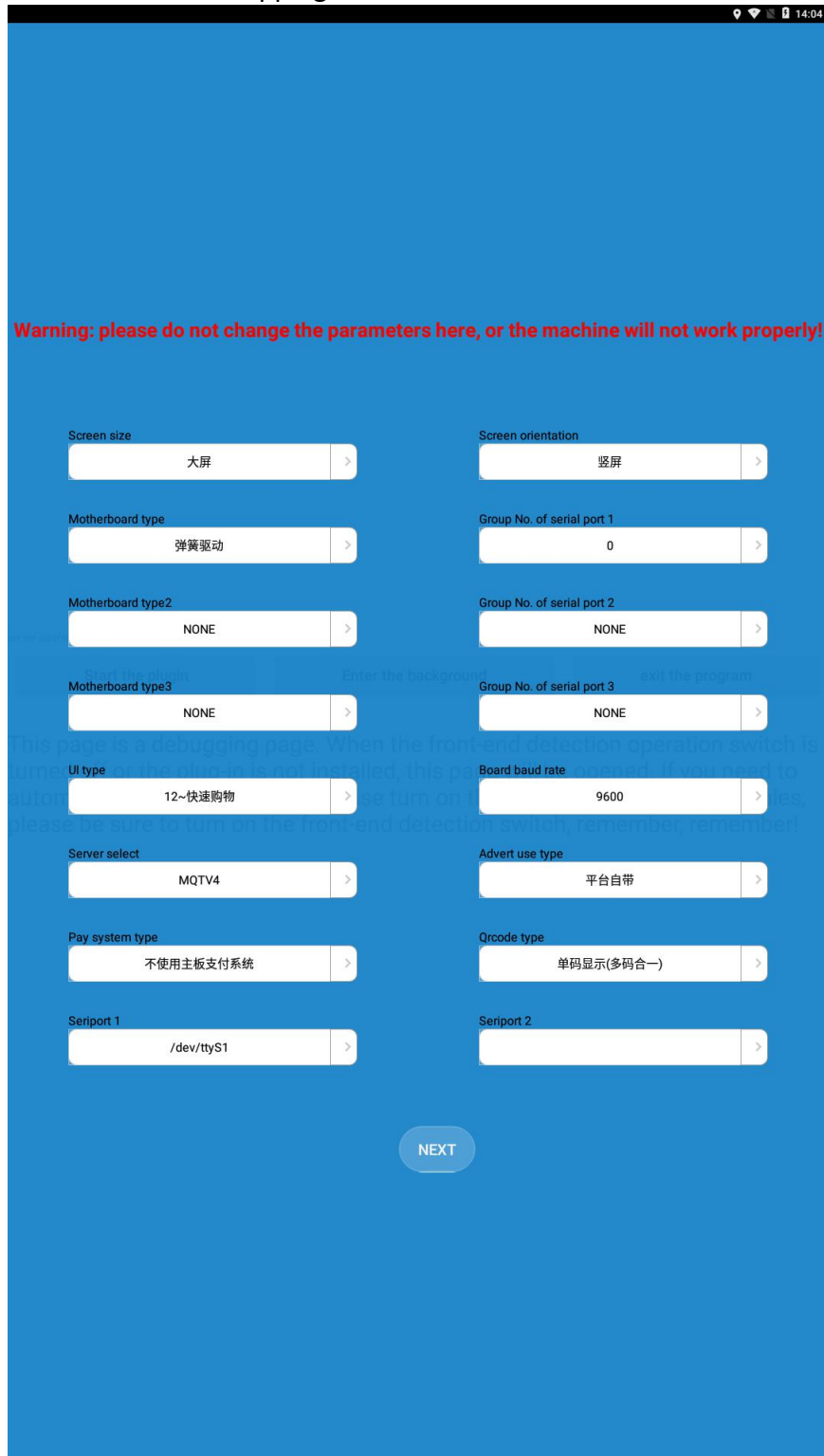
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# Preface

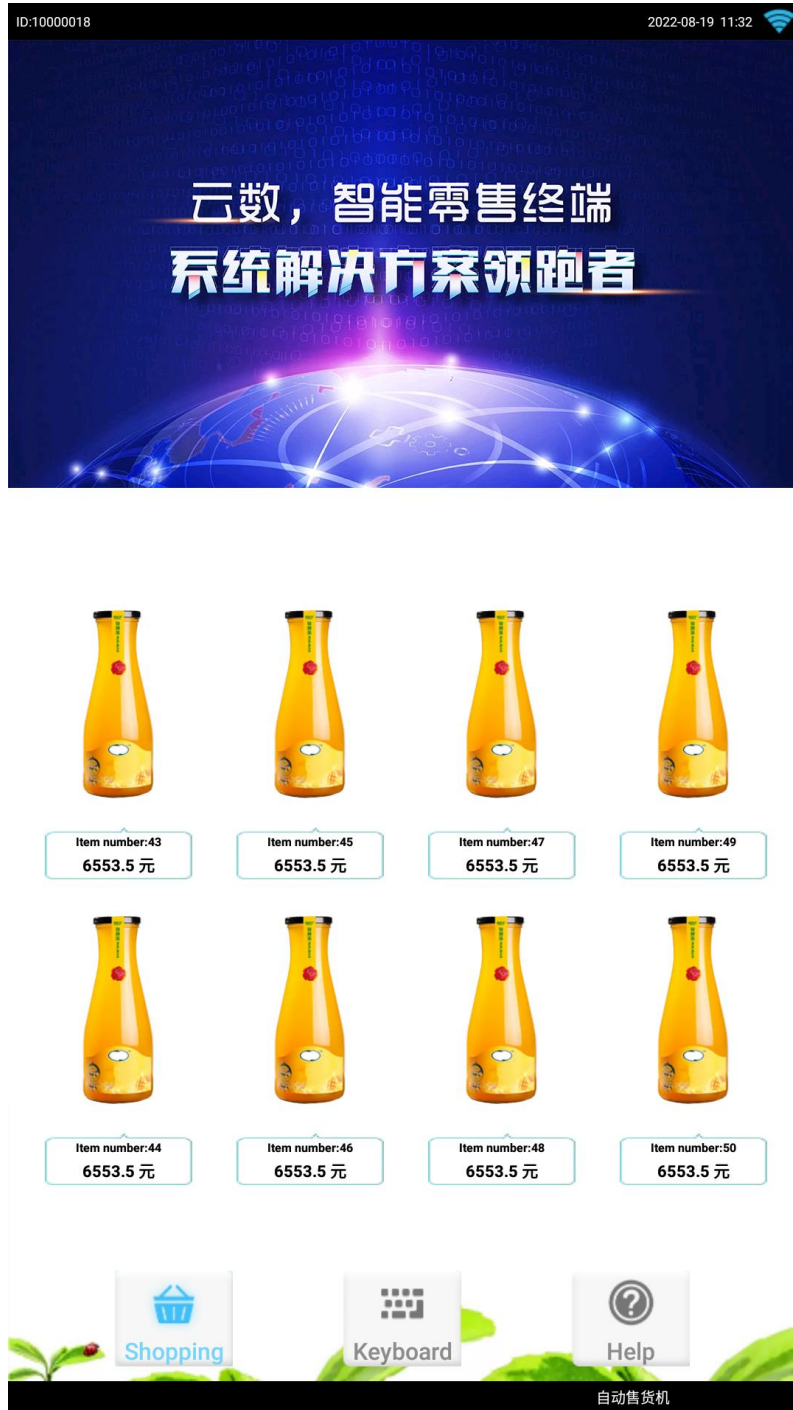
This user manual is made to introduce the back-end management system functions of all the vending machines TCN Vending manufactured, exclusive of the customized functions. By far this system has been utilized on spiral machines, grab & go machines, hot food machines, micro market, elevator machines, 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

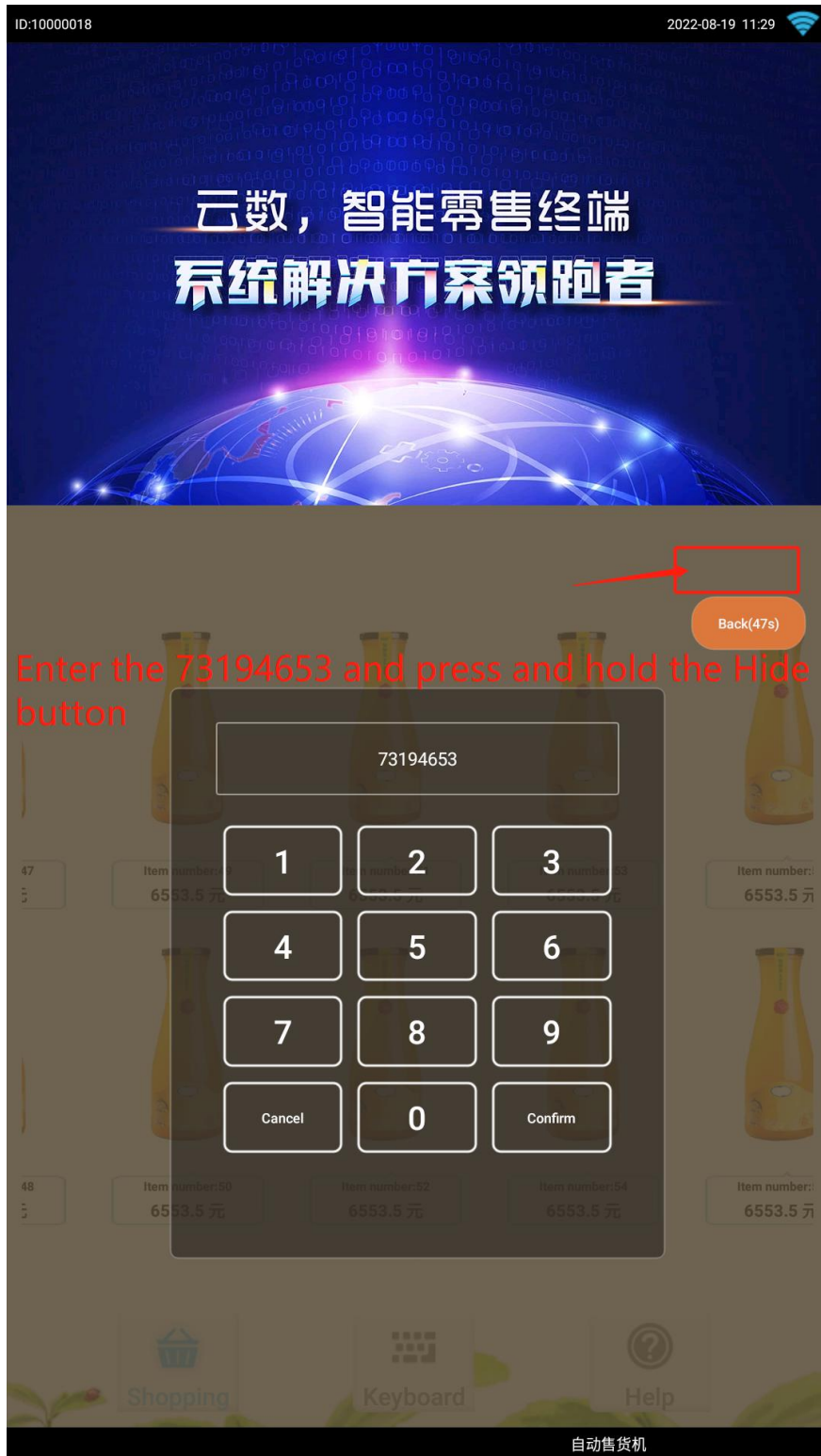
- 1.1. When you turn on the machine the first time, the “Quick setup guide” menu will pop out. In this menu you can configure the screen type, the screen orientation, the UI interface, etc. When configuration is finished you can click “Next” to enter the shopping interface.

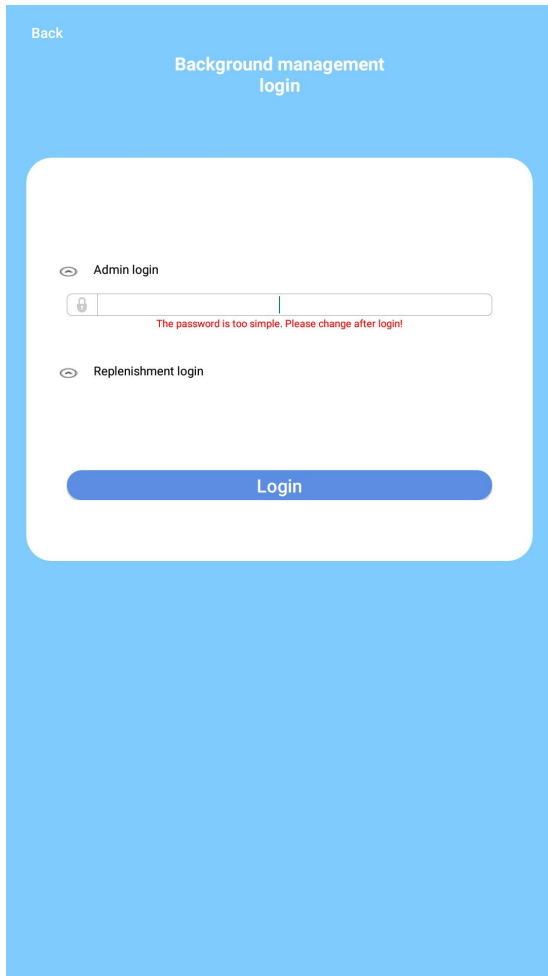


1.2 The UI type will be the one you selected in the “Quick setup guide” menu.

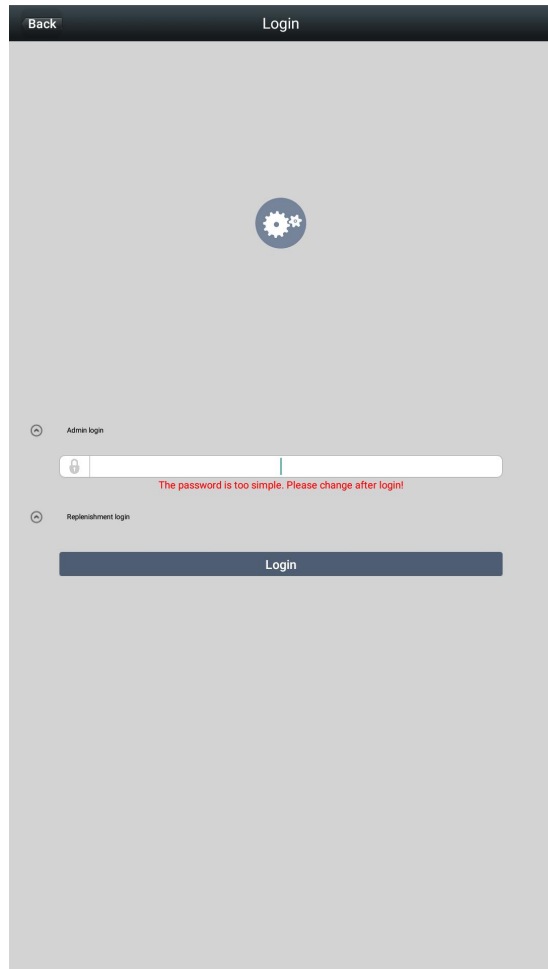


1.3 Click the “Keyboard” icon and enter 73194653 to the box, hold the red rectangle area to enter the back-end management menu.





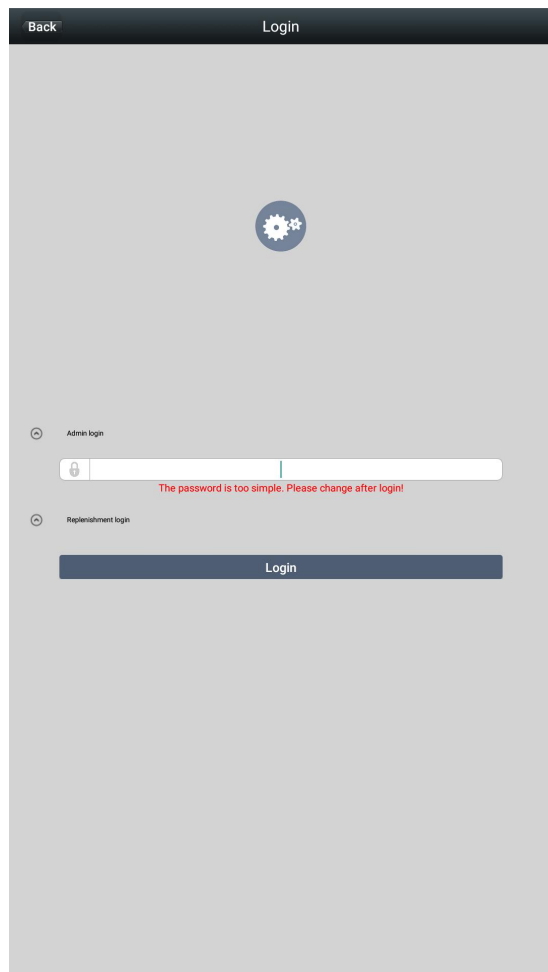
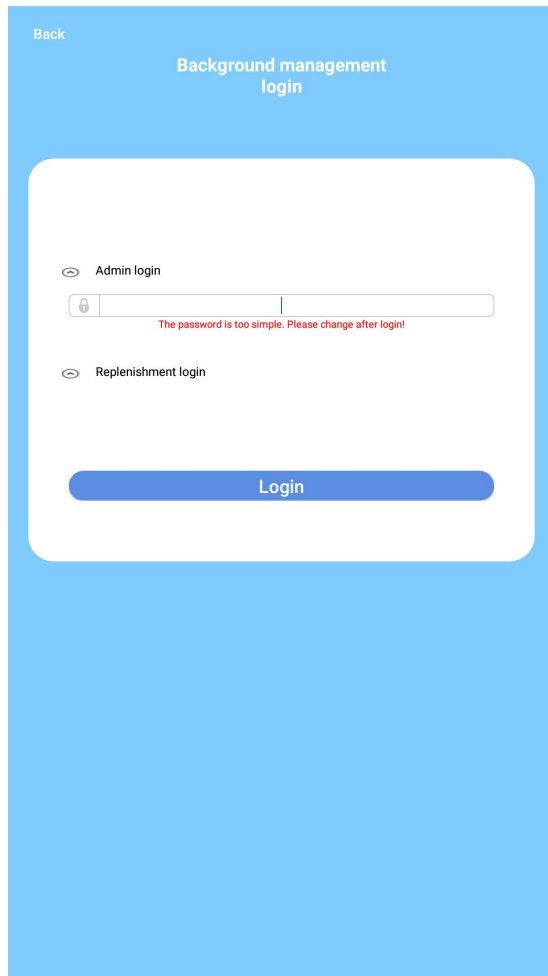
(The new version)



(The old version)

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

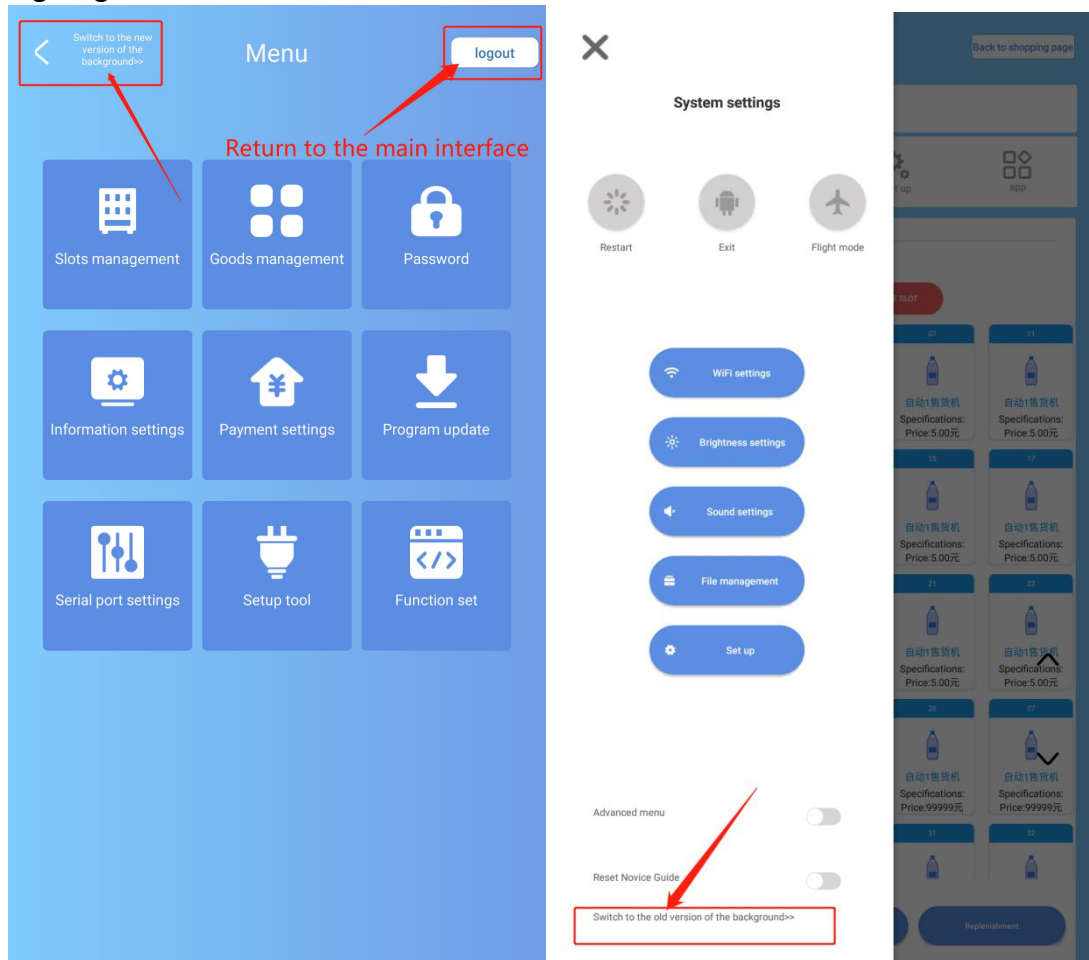
2.1 Enter the login interface and enter the initial password(000000), then click “login”.



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

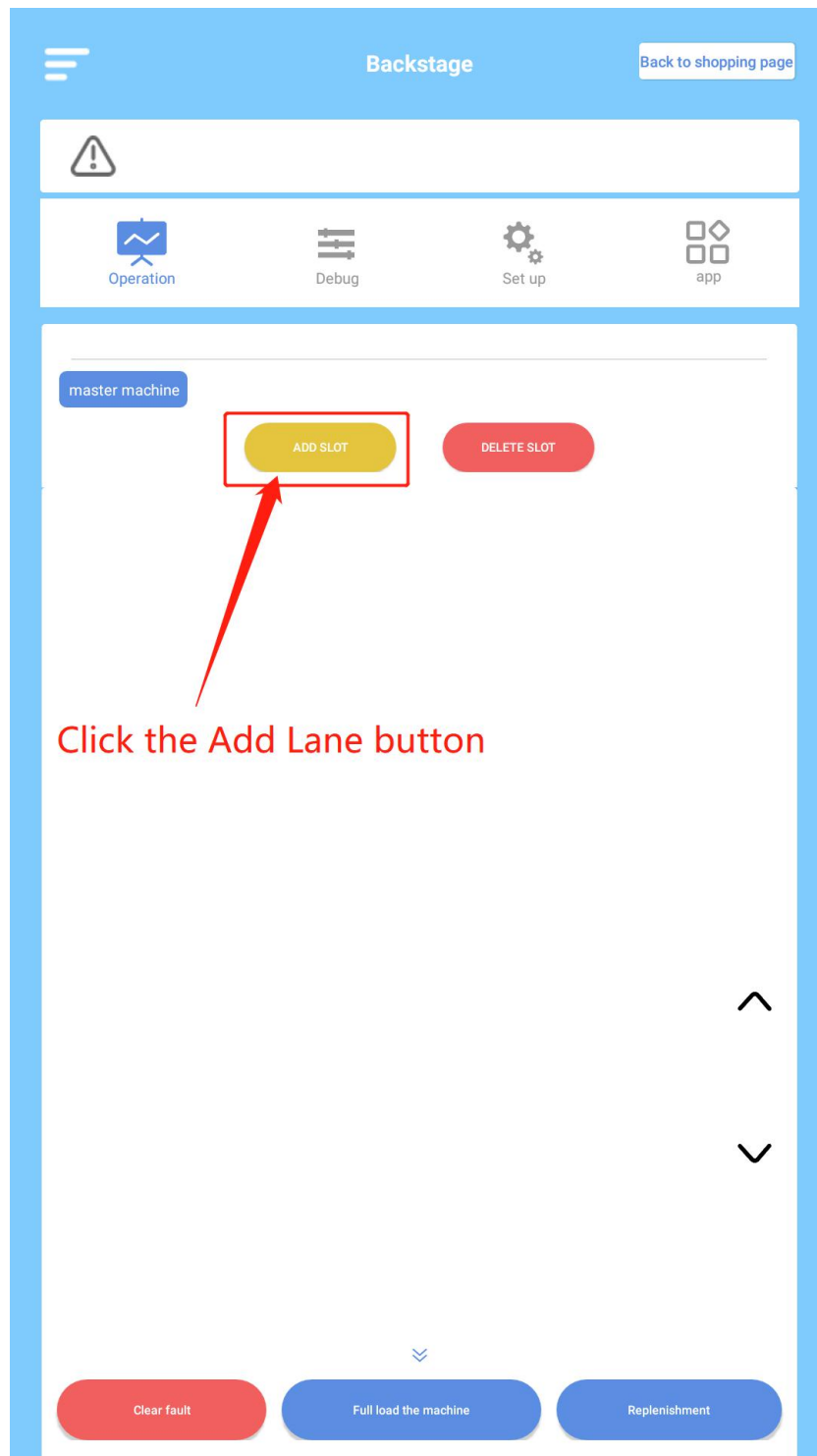
The screenshot shows a mobile application interface for changing a password. At the top, there is a dark header with the text "Change password" and a status bar on the right showing signal strength, Wi-Fi, and the time 11:51. Below the header, there are two input fields: the first is labeled "New password" and the second is labeled "Double confirm". Below these fields is a dark blue button with the text "Confirm the changes". At the bottom of the screen, a virtual keyboard is visible, showing numbers 1-0, letters q-z, and various symbols like @, #, %, and a globe icon.

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.

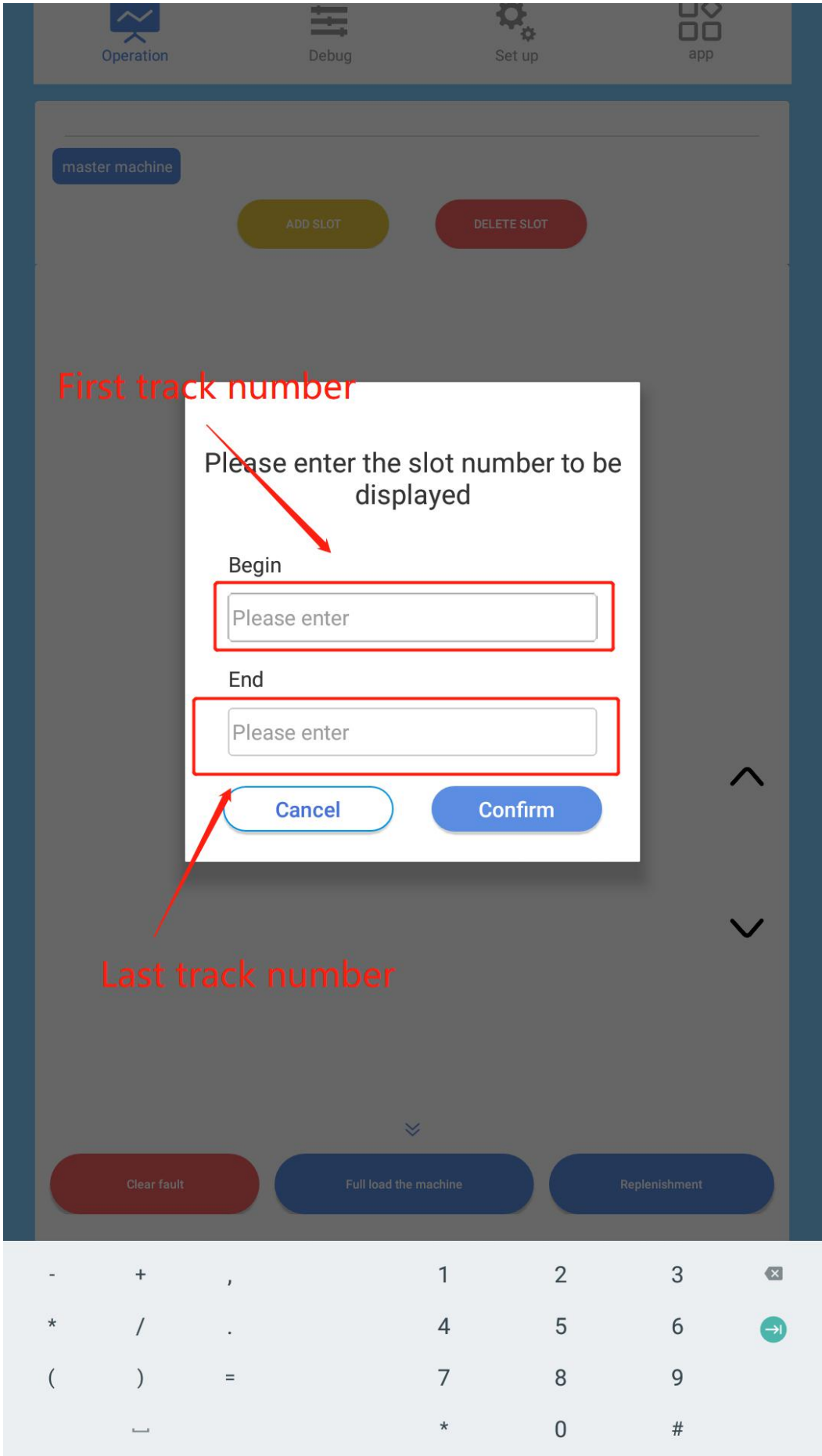


# 3. Operating management

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



Click the Add Lane button





Operation



Debug



Set up



app

Click the picture to enter the edit page

master machine

ADD SLOT

DELETE SLOT

01	02	03	04	05
Vending machi... Specifications: Price:6553.5元	Vending machi... Specifications: Price:6553.5元	Vending machi... Specifications: Price:6553.5元	Vending machi... Specifications: Price:6553.5元	Vending machi... Specifications: Price:6553.5元
06	07	08	09	10
Vending machi... Specifications: Price:6553.5元	Vending machi... Specifications: Price:6553.5元	Vending machi... Specifications: Price:6553.5元	Vending machi... Specifications: Price:6553.5元	Vending machi... Specifications: Price:6553.5元
11	12	13	14	15
Vending machi... Specifications: Price:6553.5元	Vending machi... Specifications: Price:6553.5元	Vending machi... Specifications: Price:6553.5元	Vending machi... Specifications: Price:6553.5元	Vending machi... Specifications: Price:6553.5元
16	17	18	19	20
Vending machi... Specifications: Price:6553.5元	Vending machi... Specifications: Price:6553.5元	Vending machi... Specifications: Price:6553.5元	Vending machi... Specifications: Price:6553.5元	Vending machi... Specifications: Price:6553.5元
21	22	23	24	25

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
 ~

Product name

Price

Inventory records

Inventory quantity

Cargo Capacity

Product Code

Types of goods

Product description

Slot state

Verify age before payment

Minimum purchase age

Pictures of goods

Change picture

Advert

Change picture

Product details image

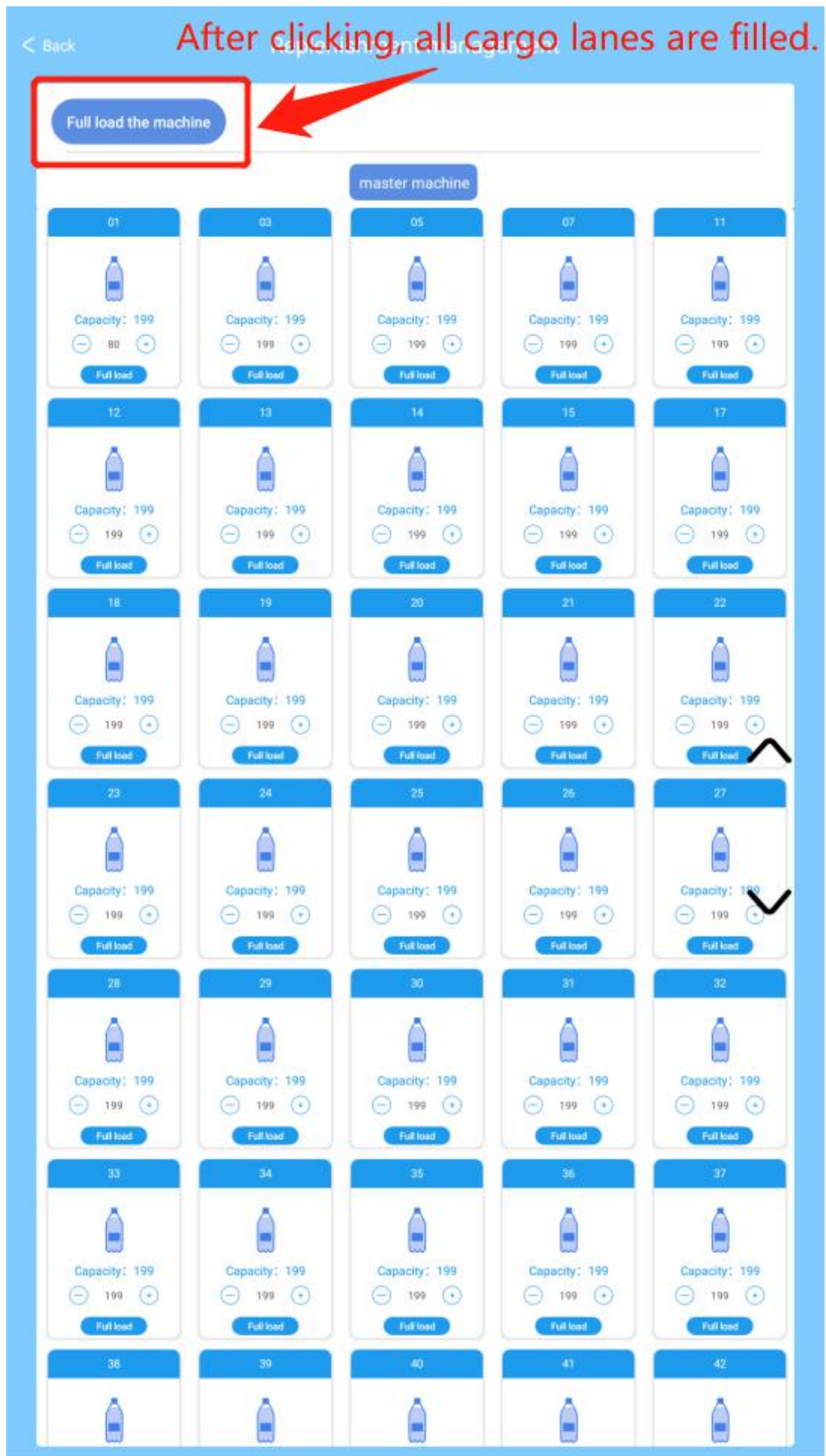
Change picture

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.

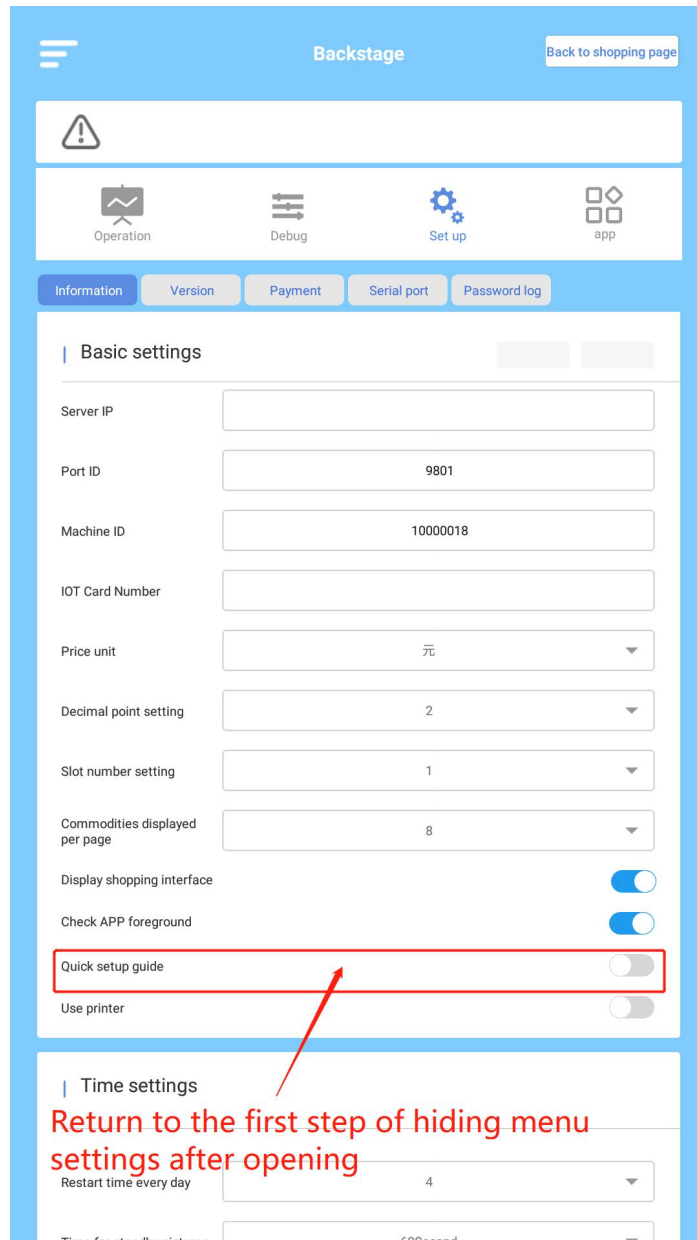


## 4. Information setting

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

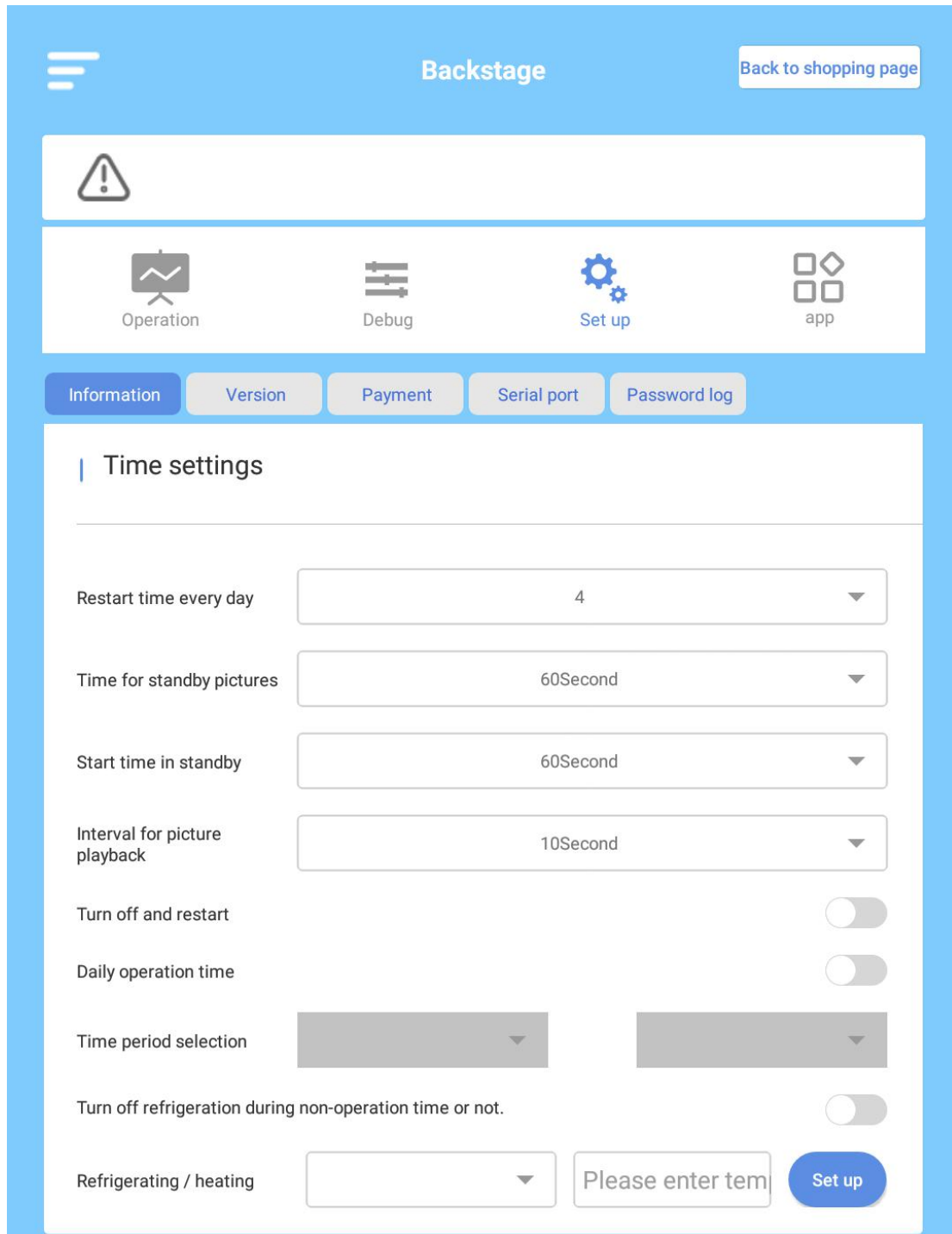
4.1 Basic information: Configure the necessary parameters so that the machine can start working.

- 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.



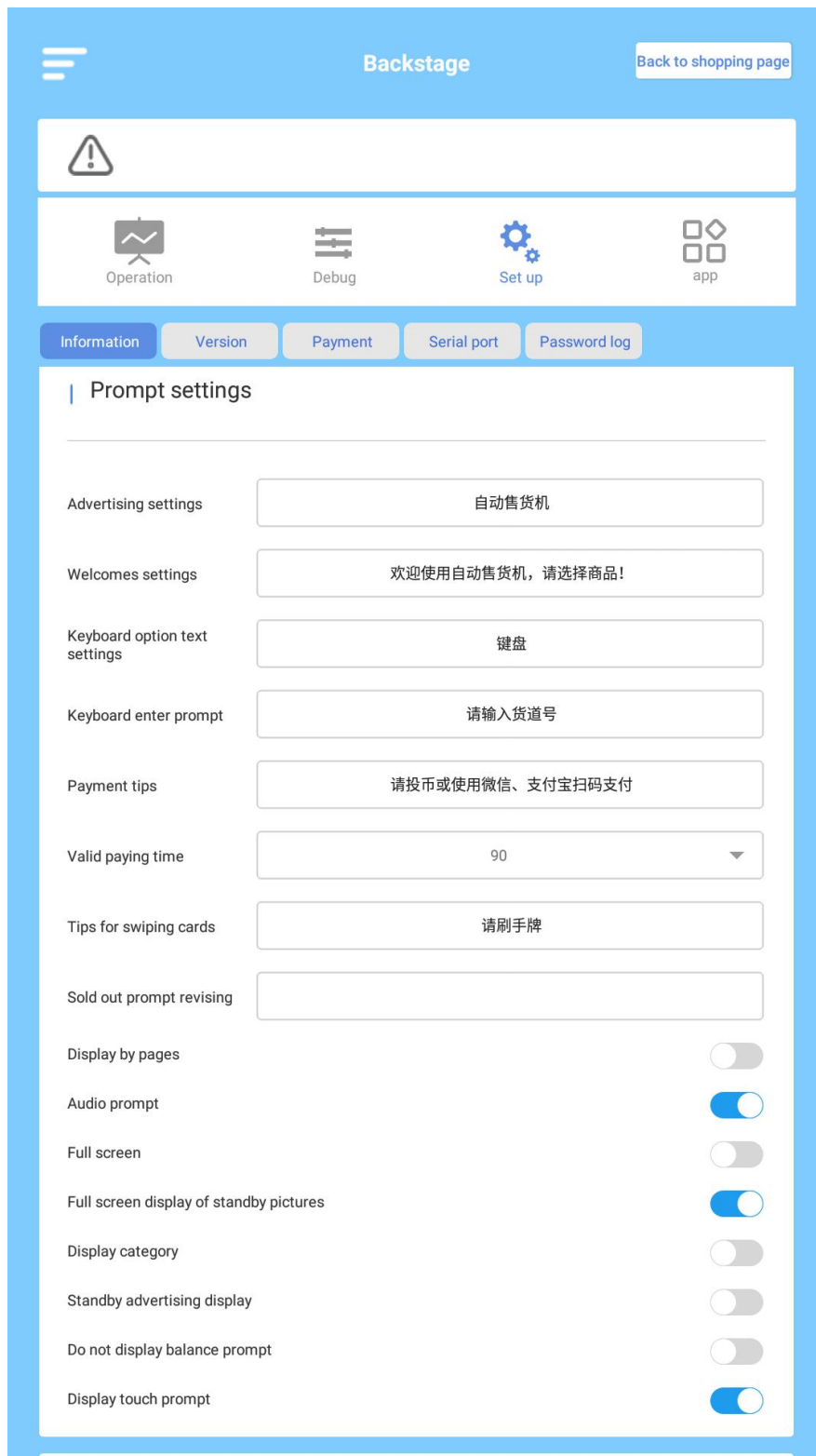
#### 4.2 Time setting: Set the working time and the standby time.

- 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.



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

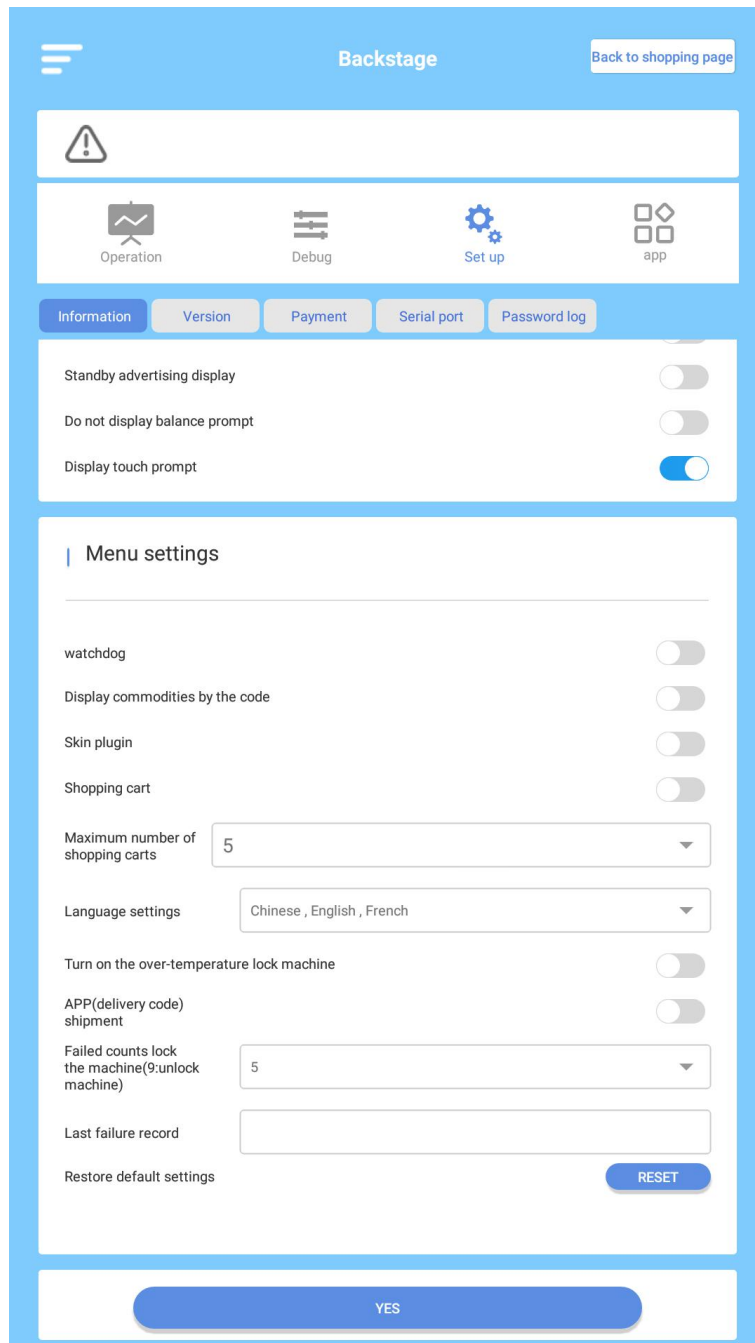
- ①Valid payment time: After selecting a product, the customer has some time to pay.
- ②Voice tips:
- ③Standby video displaying: The screen will display videos when the machine enters standby status.



#### 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.

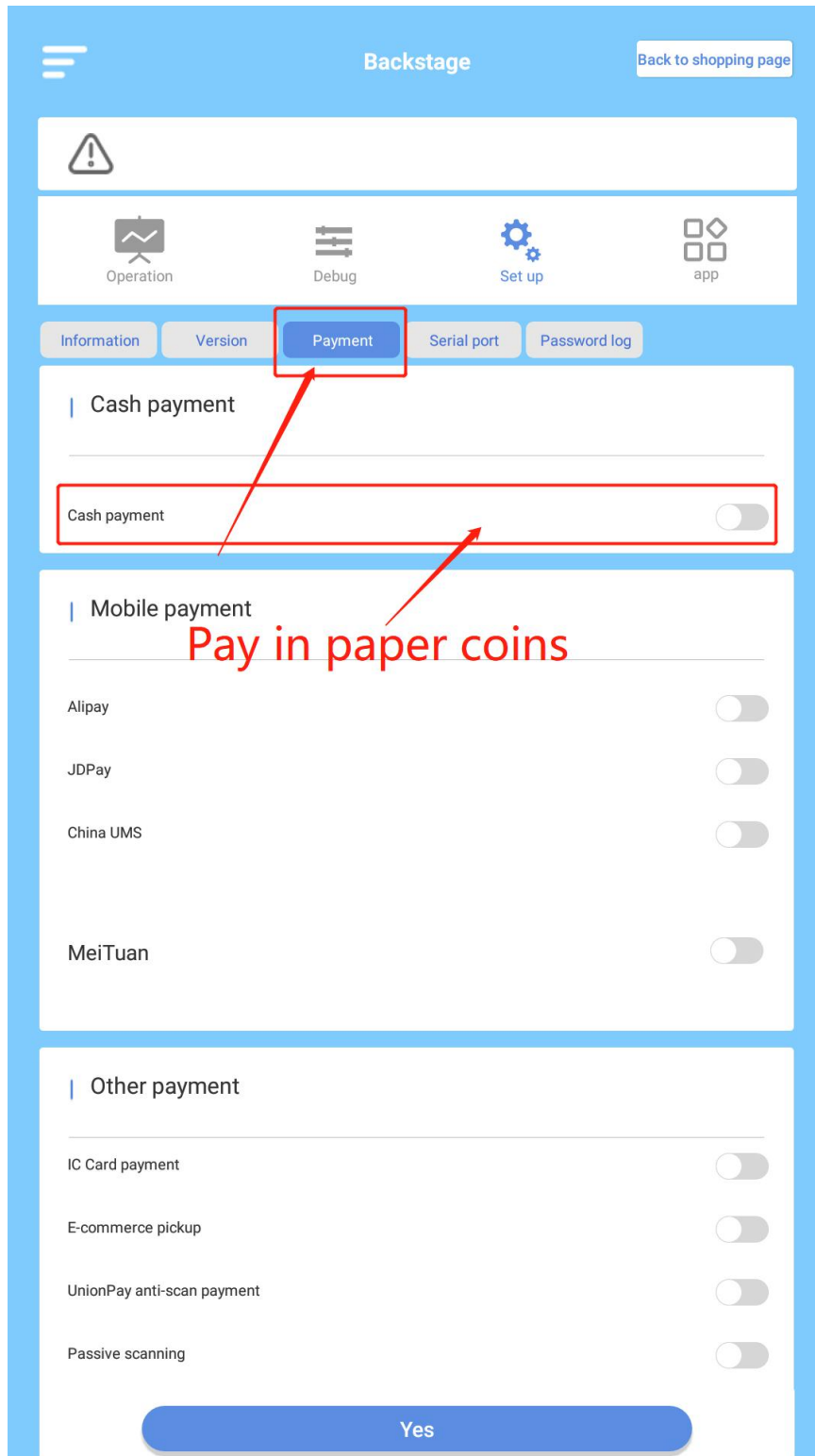
- ③ Language setting: English and Chinese are the two languages, if you want other languages, check with the customer service.
- ④ Temperature abnormal lock-up: When the interior temperature is too high the machine will be locked automatically to prevent explosion.
- ⑤ Automatic lock-up after continuous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



# 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.

The screenshot shows the 'Backstage' management interface. At the top, there is a navigation bar with a menu icon, the title 'Backstage', and a 'Back to shopping page' button. Below this is a warning icon. A secondary navigation bar contains icons for 'Operation', 'Debug', 'Set up', and 'app'. A third navigation bar has tabs for 'Information', 'Version', 'Payment' (which is selected), 'Serial port', and 'Password log'. The main content area is titled 'Mobile payment' and contains three sections: 'Alipay', 'JDPay', and 'China UMS'. Each section has a toggle switch on the right. The 'Alipay' section includes fields for 'Alipay account' (17101021271@qq.com), 'PartnerId' (20886010494662681), 'Check code' (gmw9mczhqlfbrphwqhfweatznicpbpx1), and 'Alipay sub-account'. The 'JDPay' section has a toggle switch. The 'China UMS' section includes fields for 'MerchantCode' (9110000000000000), 'TerminalCode' (88880001), and 'AppId' (QRPAYDEFAULT). At the bottom of the form is a large blue button labeled 'Yes'.

Backstage [Back to shopping page](#)

Warning

Operation Debug Set up app

Information Version **Payment** Serial port Password log

### Mobile payment

Alipay

Alipay account  
17101021271@qq.com

PartnerId  
20886010494662681

Check code  
gmw9mczhqlfbrphwqhfweatznicpbpx1

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](#)

! (Warning icon)

Operation Debug Set up app

Information Version **Payment** Serial port Password log

**IC Card payment**

IP address of IC card payment

Port of IC card payment

**E-commerce pickup**

E-commerce pickup address

Polling interval

**E-commerce payment**

Address for e-commerce payment

**Lottery**

**UnionPay anti-scan payment**

UnionPay scanning request URL

AppId

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

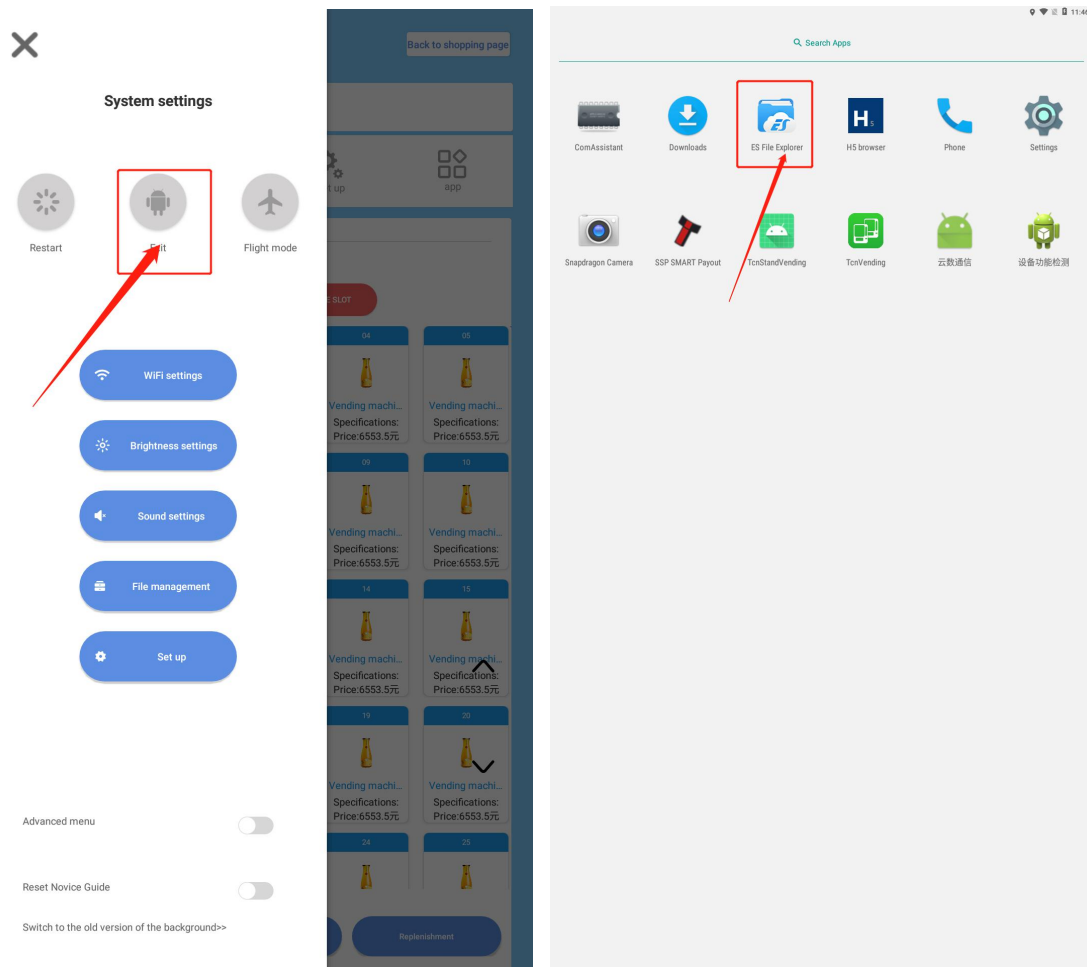
**Yes**

## 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.

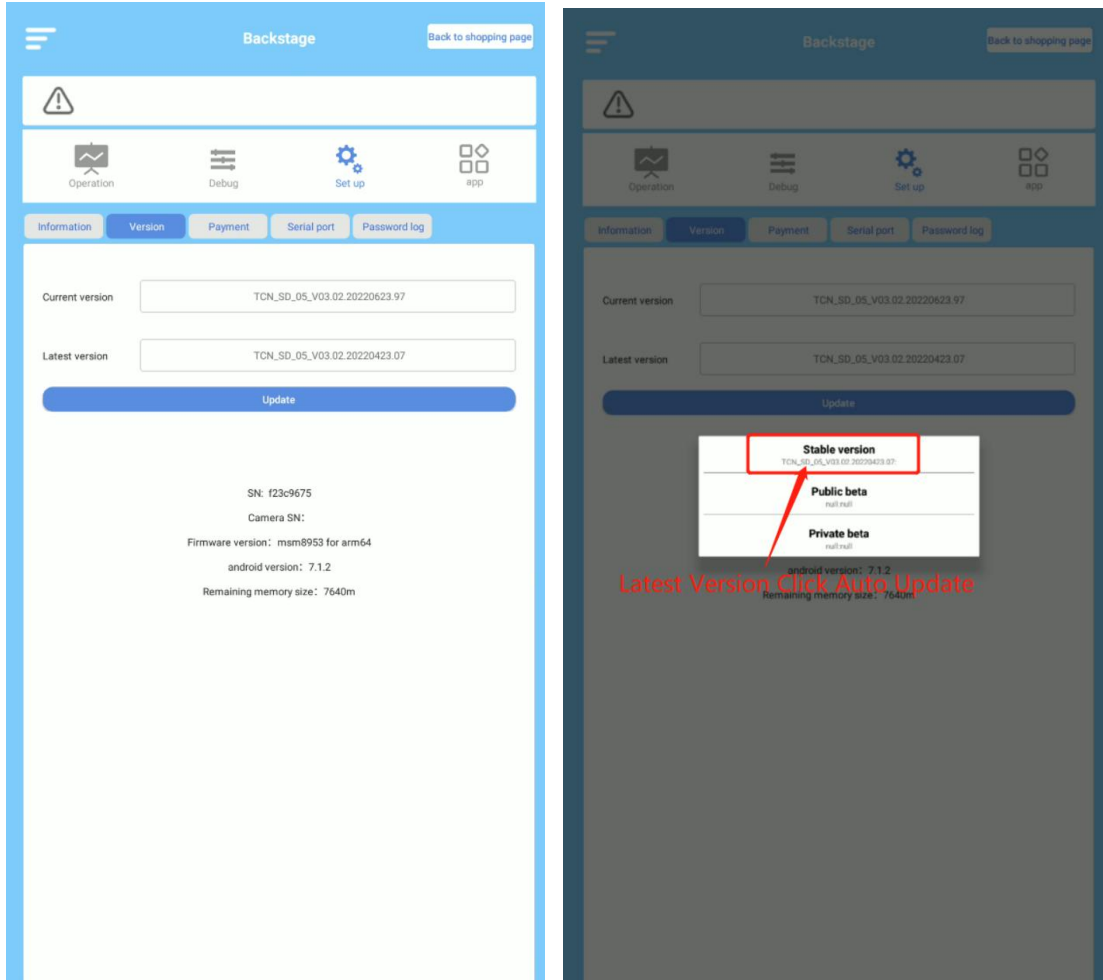
### 6.1 Copy with a flash driver.

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

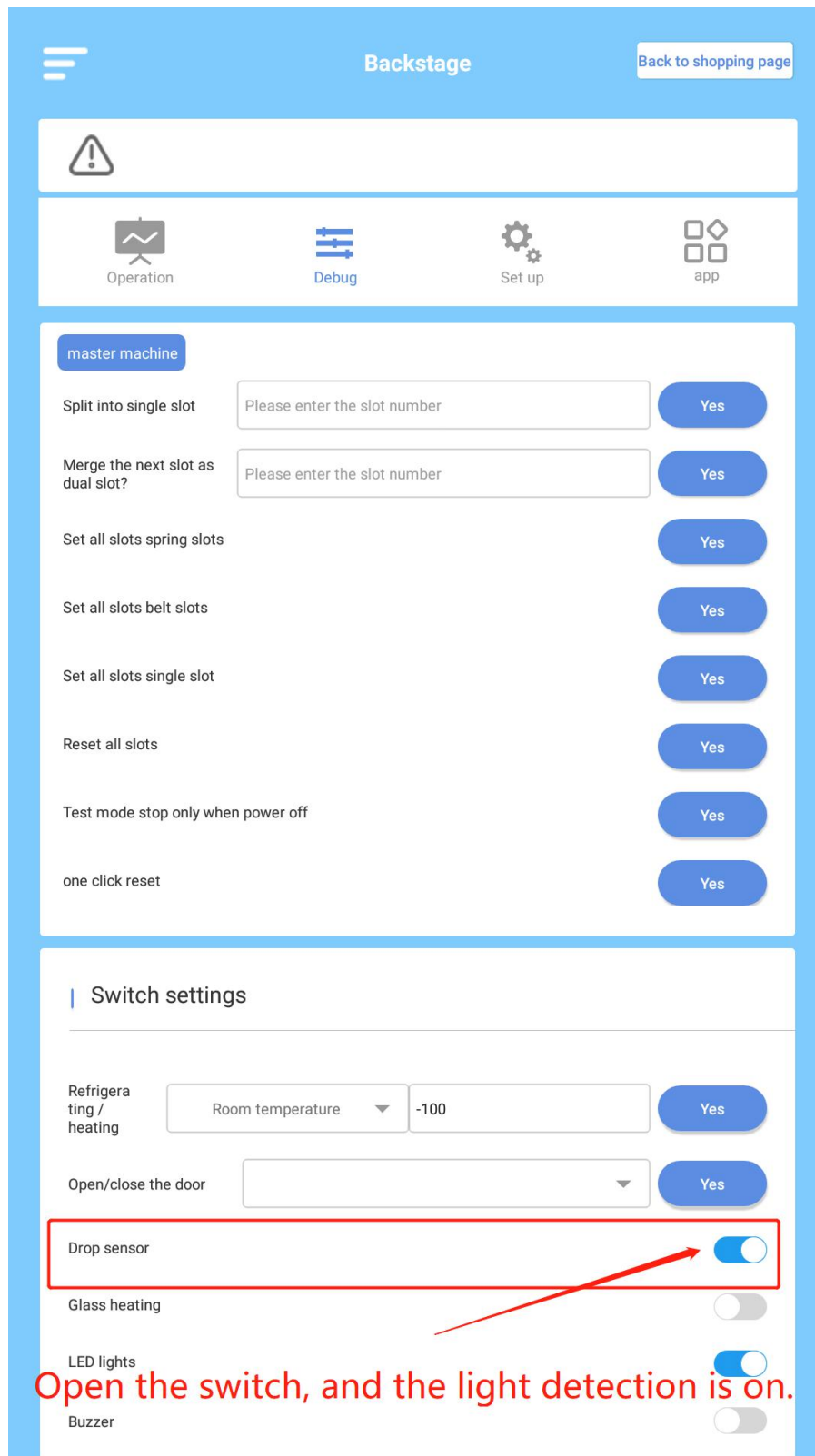
## 7.1 Advertisement space replacement

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 navigation bar with a hamburger menu icon, the text 'Backstage', and a 'Back to shopping page' button. Below this is a warning icon. A central navigation bar contains four icons: 'Operation', 'Debug', 'Set up', and 'app'. The main content area is divided into two sections. The first section, titled 'master machine', contains several settings with 'Yes' buttons: 'Split into single slot' (with a text input field 'Please enter the slot number'), 'Merge the next slot as dual slot?' (with a text input field '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 several toggle switches: 'Refrigerating / heating' (set to 'Room temperature' and '-100'), 'Open/close the door', 'Drop sensor' (highlighted with a red box and a red arrow pointing to the 'on' position), 'Glass heating', 'LED lights', and '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 'Back to shopping page' button. Below this is a warning icon and a row of four main menu items: 'Operation', 'Debug', 'Set up', and 'app'. The 'Debug' menu is selected, leading to the 'master machine' settings page. This page contains several configuration options, each with a 'Yes' button:

- Split into single slot: Please enter the slot number
- Merge the next slot as dual slot?: 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
- one click reset

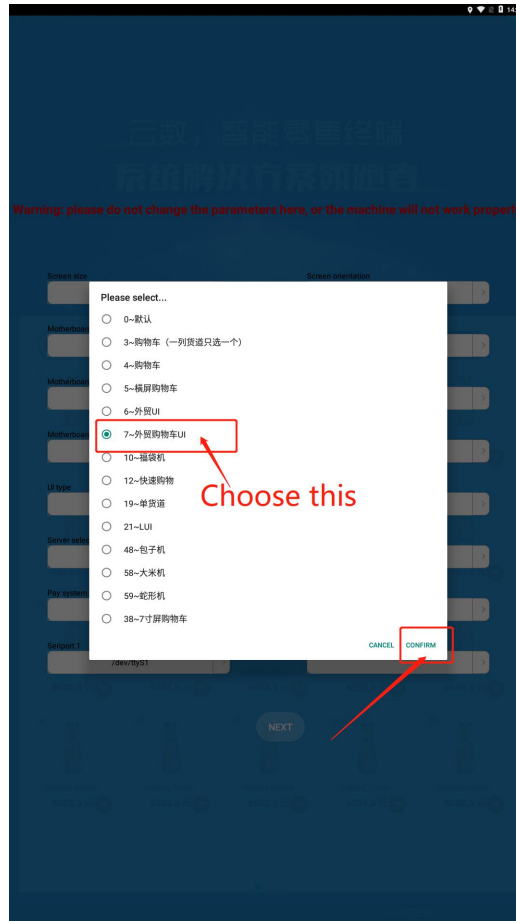
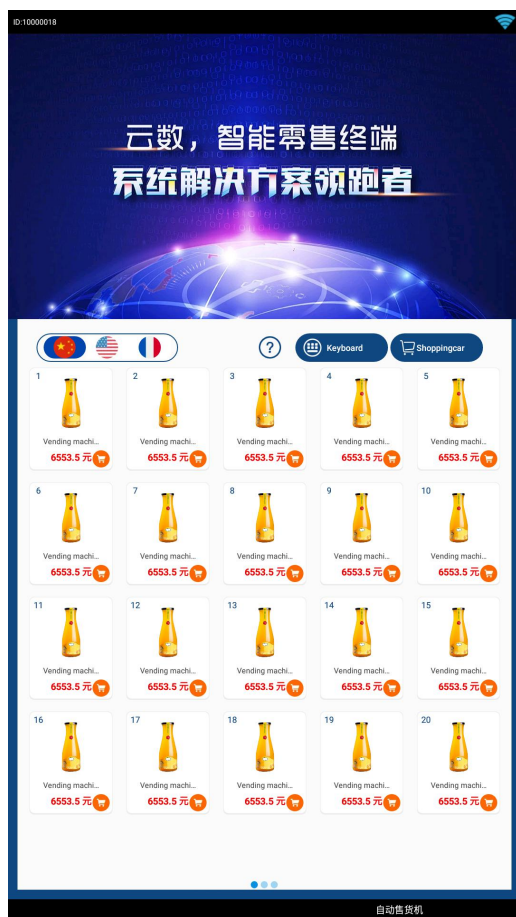
Below these is the 'Switch settings' section, which includes:

- Refrigerating / heating: A dropdown menu set to 'Room temperature' and an input field containing '-100'. This entire row is highlighted with a red box, and a red arrow points to the input field.
- Open/close the door: A dropdown menu and a 'Yes' button.
- Drop sensor: A toggle switch that is currently turned on.
- Glass heating: A toggle switch that is currently turned off.
- LED lights: A toggle switch that is currently turned on.
- Buzzer: A toggle switch that is currently turned off.

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

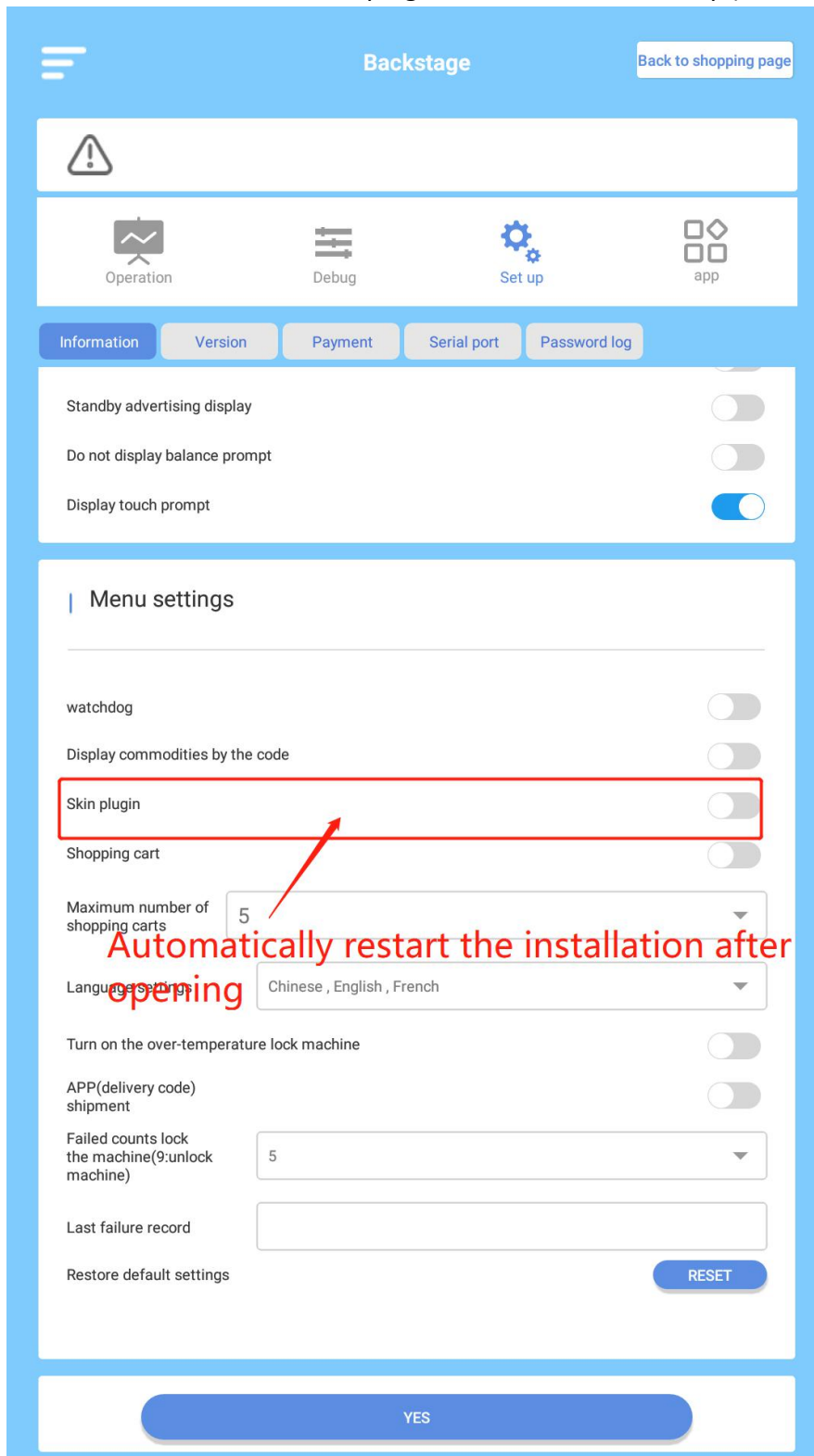
## 7.4 How to activate the shopping cart function?

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.

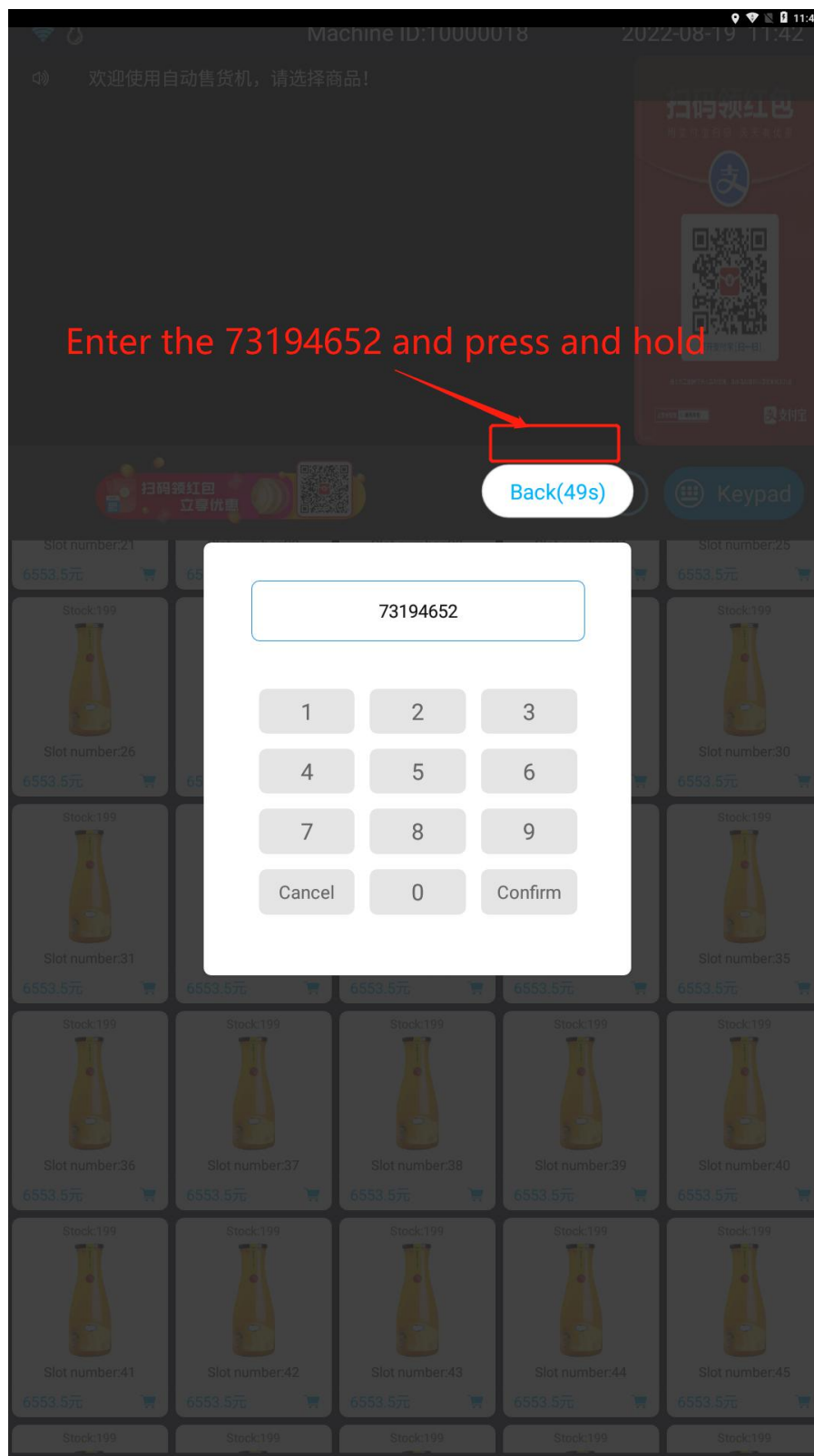


## 7.5 How to open the skin plugins?

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.





### Display mode

Screen display mode  Half-screen  Full-screen

Product quantity per row

Shopping interface language

Shopping cart

Interface scroll

支付宝工控UI

Save