VENDY1

OPERATOR MANUAL

2in1 Coffee & Snack Vending Machine

Operator Manual · Android Standard Software

For operators and service staff

Model: TCN-60G-C4 / TCN-CSC-10G (H19)



Contents

Labels in square brackets, e.g. **Replenishment**, refer to buttons and menus exactly as they appear on the machine's touchscreen. The coffee unit is called "Master cabinet" in the software, the snack unit "Slave cabinet1". Installation, refilling and cleaning are described in the separate Product Manual.

1 Before You Start 2 ›

2 Shopping Screen 3 ›

3 Backend Login 5 ›

4 Backend Home Screen 6 ›

5 Operation 7 ›

6 Debug 17 ›

7 Set up 22 ›

8 APP 29 ›

9 System Settings 30 ›

10 Hot Water from the Snack Unit 35 ›

1

Before You Start

Please check the following points carefully, one by one, before you confirm receipt of the delivery.

1. Check the machine's exterior for any damage.
2. Make sure the machine is clean and correctly packed.
3. Remove the seal from the lock. Keep it – you may need it again the next time the machine is transported.
4. Remind the carrier that a truck with a tail lift or an electric forklift is required for unloading.

> **Important**
> The machine must always be delivered standing upright. If it arrives lying down or upside down, refuse the delivery. Only unpack it while the carrier's staff is present and check that the exterior and the screen are undamaged before you sign. Refuse the delivery if you find any damage. If you unpack the machine without the carrier present and discover damage afterwards, you will have to bear the costs yourself.

1.1 After accepting the delivery

1. Check that the machine's exterior is flawless and that accessories and manuals are complete and undamaged. Also check that each water pump matches the number of its liquid container.
2. Before switching on, take the antenna out of the machine and mount it on top.
3. Plug the power cord into a grounded socket and switch on the machine's power switch.
4. Check that the machine is connected to the internet.
5. Send VENDY1 Support (info@vendy1.de) the machine ID so that your cloud backend account can be set up and linked to the machine.

2

Shopping Screen

2.1 Elements of the shopping screen

① Top information bar
Signal strength, machine ID, temperature, time and date.

② Display area
Main ad slot, banner ad slot, keypad and language selection.

③ Product list
Product images, product names, slot numbers and prices.

④ Categories
All, Hot-selling, Cold drinks, Hot drinks – you can define the categories yourself.



Fig. 2.1 Shopping screen

2.2 Skin plugin

① Interface language
Language of the shopping screen. After importing the language pack, select the language – only one language can be selected.

② Shopping cart
Tap to activate the shopping cart function.

③ Desktop coffee machine
Tap to switch to the desktop coffee machine display mode.

④ Multi-language shopping page
When enabled, customers can switch between several languages on the shopping screen.

> **Note**
> Tap Save after making changes.

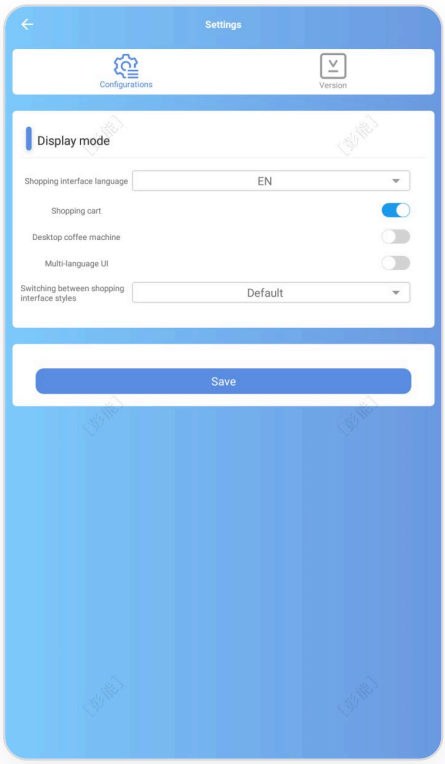


Fig. 2.2 Skin plugin settings

3

Backend Login

There are two ways to open the login screen:

- Tap the machine ID on the shopping screen 5 times in a row.
- Or tap **Keypad**, enter 73194653 and press and hold the **Back** button.

The default password is 888888. You can change the login password under **Set up** › **Password log** – please do this after your first login.

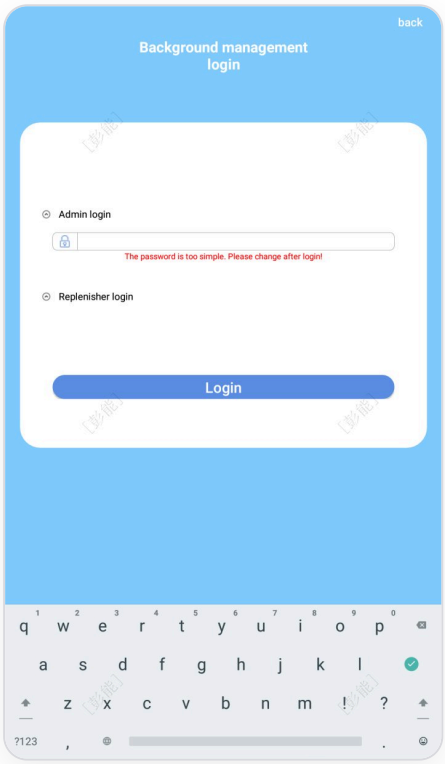


Fig. 3.1 Backend login

4

Backend Home Screen

① Back to shopping page
Top right. Tap it when you have finished working in the backend to return to the shopping screen.

② Fault display
Shows the faults reported by the machine, with fault code, description, suggested solution and a button to clear the fault.

③ Menu (top left)
Opens the system settings (see chapter 9).

④ Menu bar
The functions are grouped into Operation, Debug, Set up and APP.

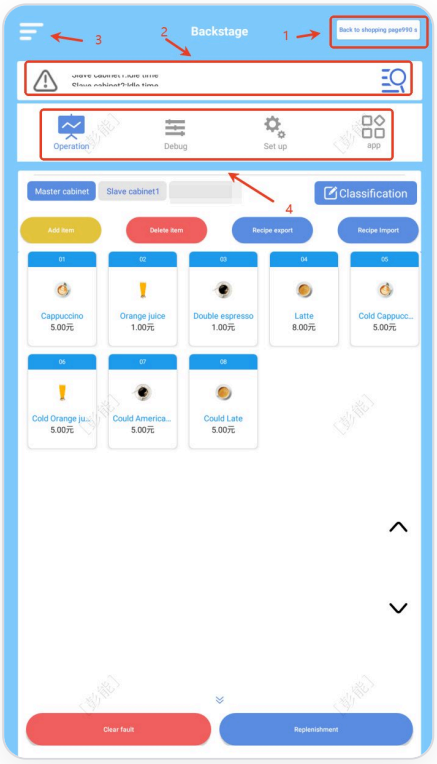


Fig. 4.1 Backend home screen

5

Operation

Operation is the most frequently used area and is therefore at the top of the menu bar. Here you add, edit, delete, import, export and replenish recipes and products, clear faults and edit categories.

5.1 Master cabinet (coffee unit)

On this page you add, edit, delete and replenish the recipe products, clear faults and assign categories.

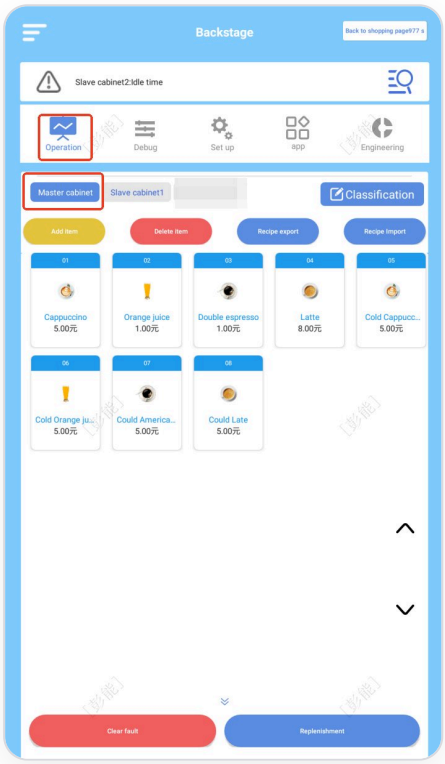


Fig. 5.1 Operation – Master cabinet

Add item

Tap **Add item**, enter the first and last slot number and confirm. The page creates the products with the default recipe.

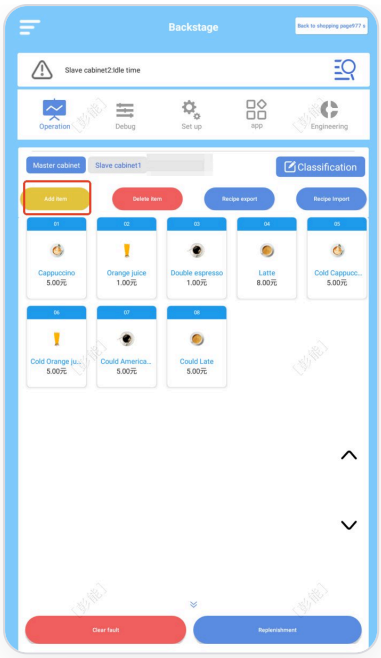


Fig. 5.2 Add item

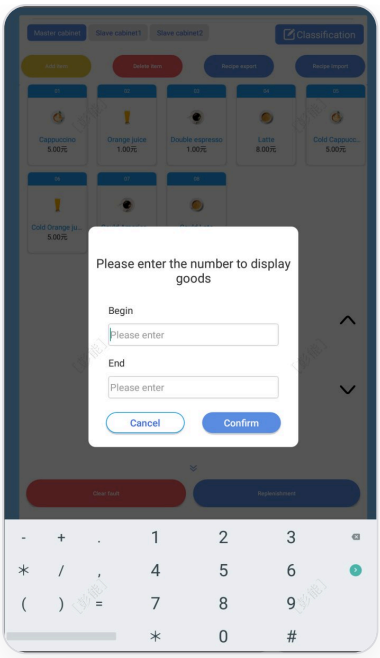


Fig. 5.3 Enter slot numbers

Delete item

Tap **Delete item**, enter the first and last slot number and confirm. The products in this range are deleted.

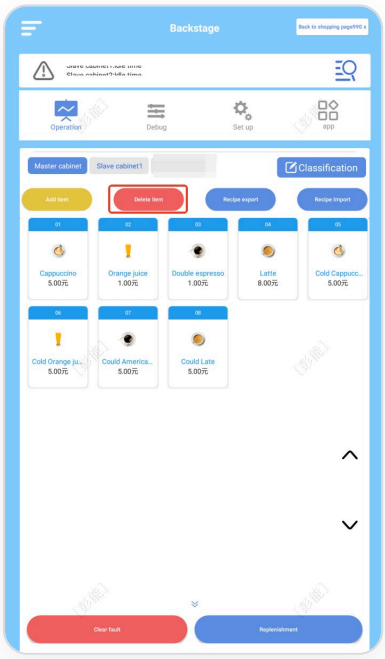


Fig. 5.4 Delete item

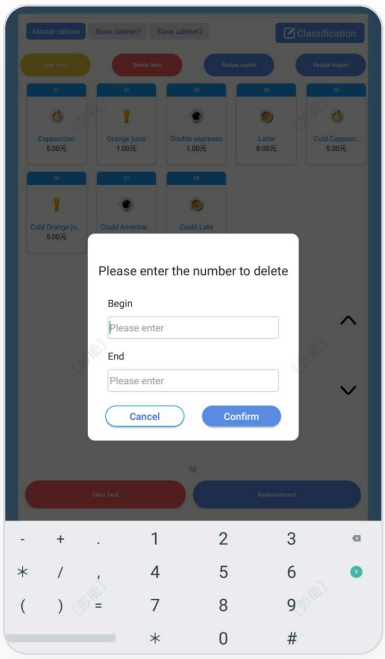


Fig. 5.5 Enter slot numbers

Export and import recipes

Recipe export

Insert a USB drive first, then tap the button. The master cabinet's recipes are exported from the machine to the drive.

Recipe import

Insert a USB drive containing the recipe file GoodsInfo, then tap the button. The recipes in the file are imported into the machine.

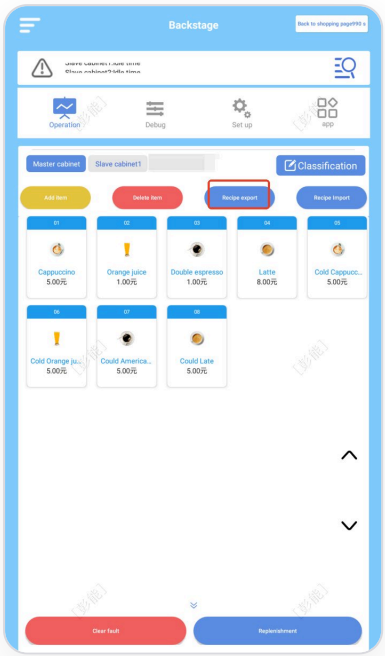


Fig. 5.6 Recipe export

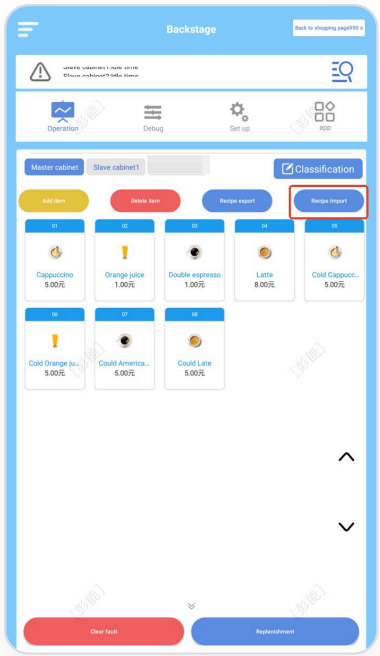


Fig. 5.7 Recipe import

Categories

Tap **Classification** to open the category editor. Here you can add, edit and delete categories.

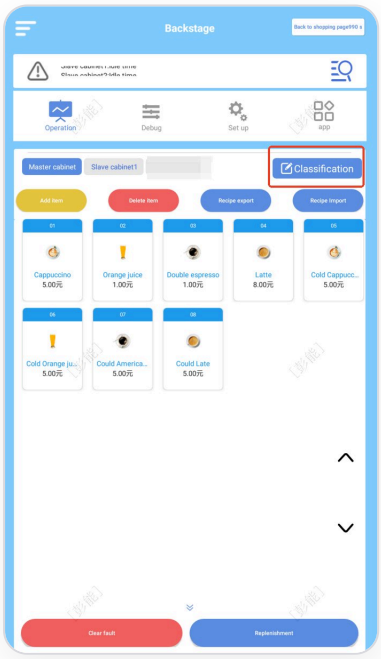


Fig. 5.8 Classification button

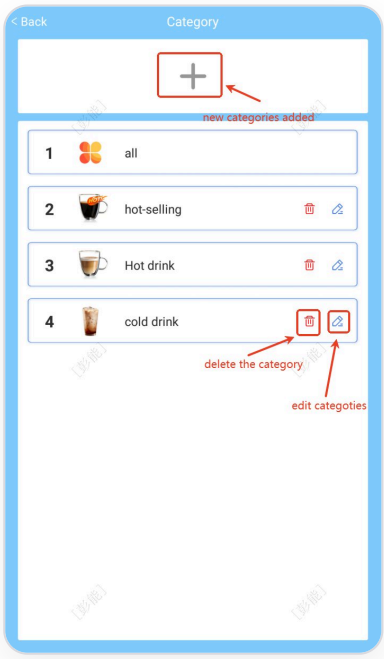


Fig. 5.9 Editing categories

Editing a recipe

Tap a recipe on the master cabinet page to open the recipe editor. Here you edit and save the recipe name, image, price, specifications, temperature, category and recipe steps.

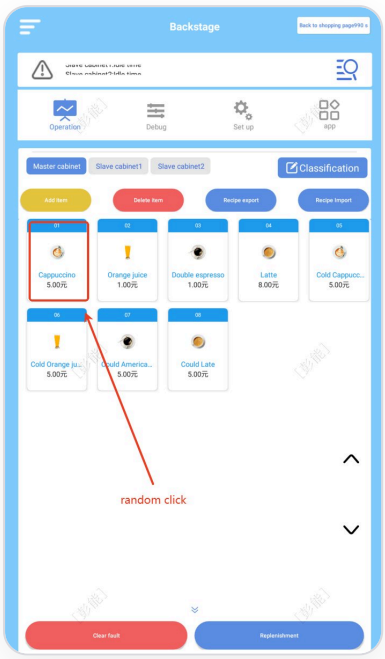


Fig. 5.10 Selecting a recipe

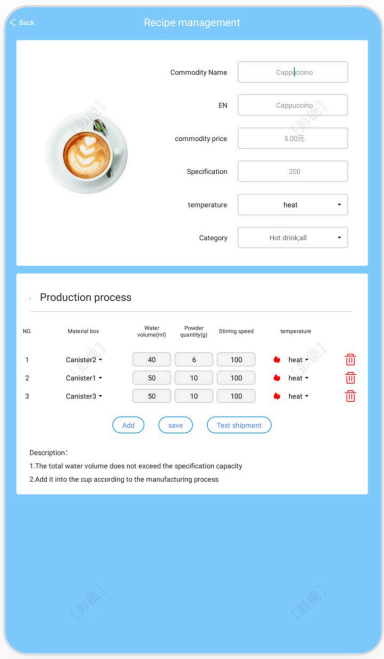


Fig. 5.11 Recipe editor

Replenishment

Tap **Replenishment** on the master cabinet page to replenish the individual materials. For each material you can edit the remaining quantity, the warning value and the maximum capacity.

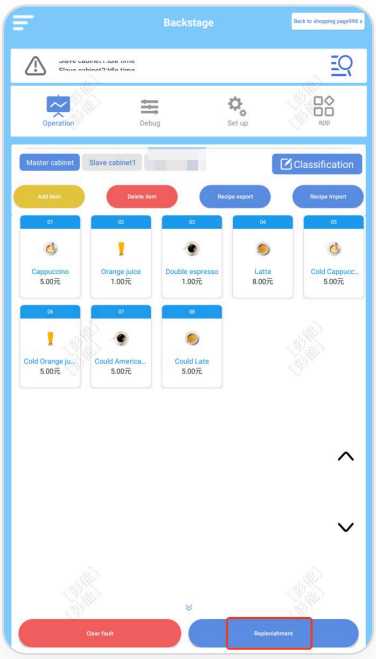


Fig. 5.12 Replenishment button

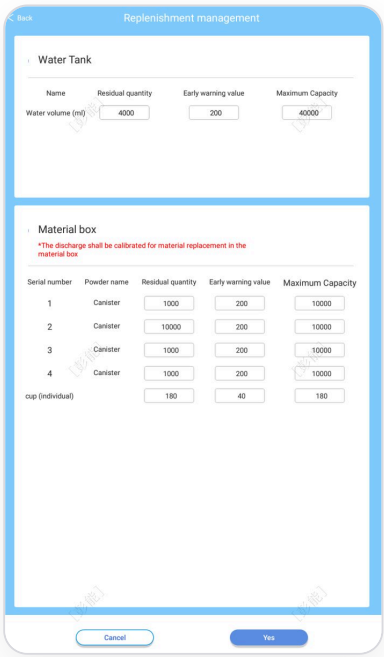


Fig. 5.13 Editing remaining quantities

Clearing faults

If the master cabinet reports a fault, tap **Clear fault** to reset it.

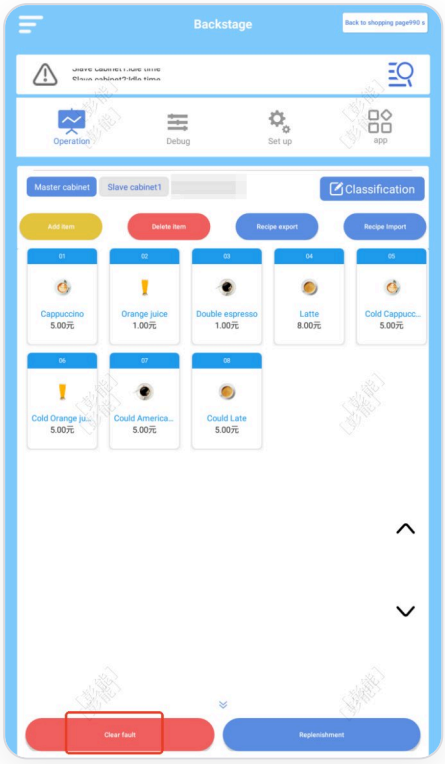


Fig. 5.14 Clear fault

5.2 Slave cabinet 1 (snack unit)

This page contains all functions for the spring slots of the snack unit: adding, deleting and editing slots, replenishing, filling the whole machine and clearing faults. The category function is the same as for the master cabinet.

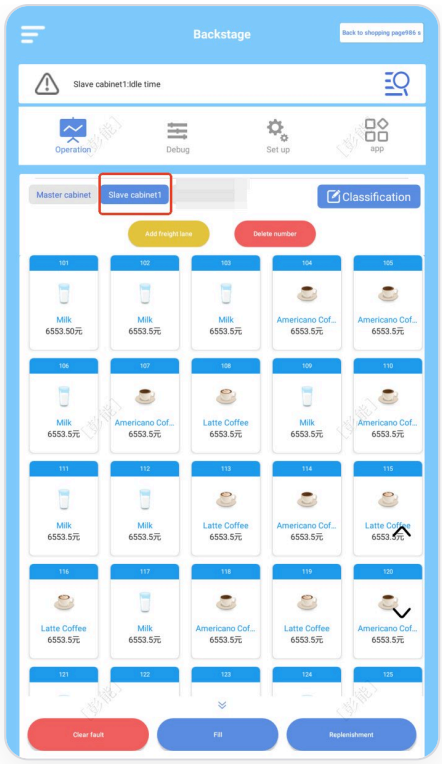


Fig. 5.15 Operation – Slave cabinet1

Add slots

Tap **Add freight lane**, enter the first and last slot number and confirm. The page creates the slots with default products.

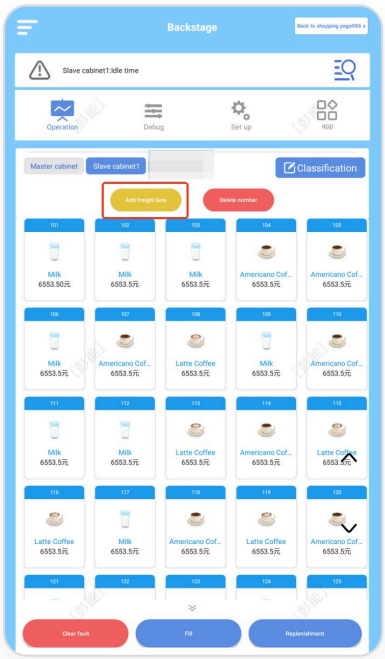


Fig. 5.16 Add slots

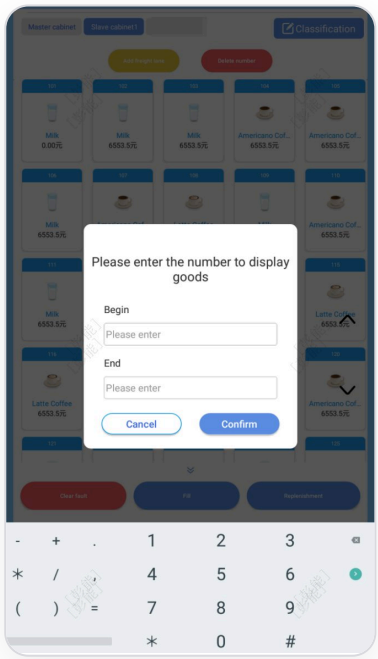


Fig. 5.17 Enter slot numbers

Delete slots

Tap **Delete number**, enter the first and last slot number and confirm. The slots in this range are deleted.

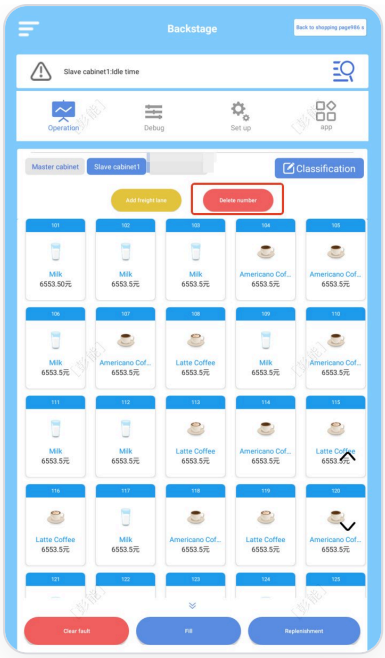


Fig. 5.18 Delete slots

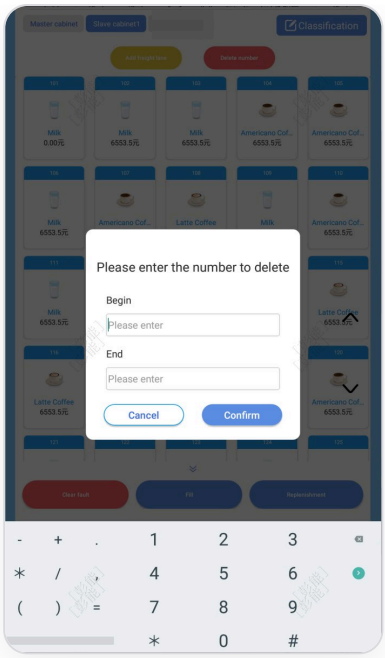


Fig. 5.19 Enter slot numbers

Editing a slot

Tap any slot on the slave cabinet page to edit it (Cargo Editing).

Product data
Product name, price, stock, capacity, category and product images.

Age verification
Verify age before payment.

Hot water
Provide hot water and water output volume – see chapter 10.

Slot status and test
Slot status, slot test and clearing faults.

Batch operation
Enter the slot numbers of the slots you want to edit together.

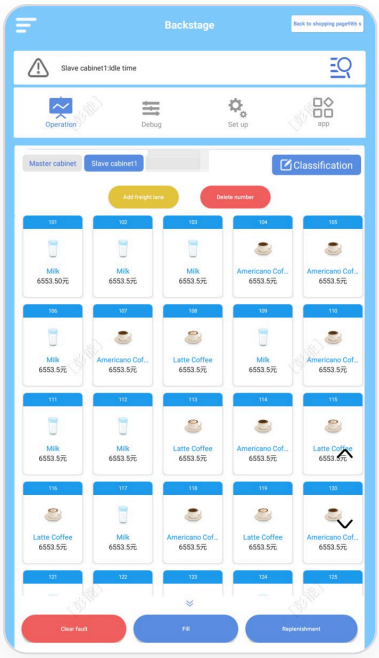


Fig. 5.20 Selecting a slot

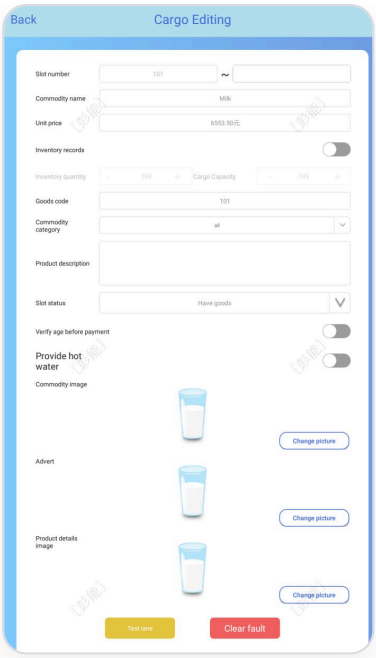


Fig. 5.21 Cargo Editing

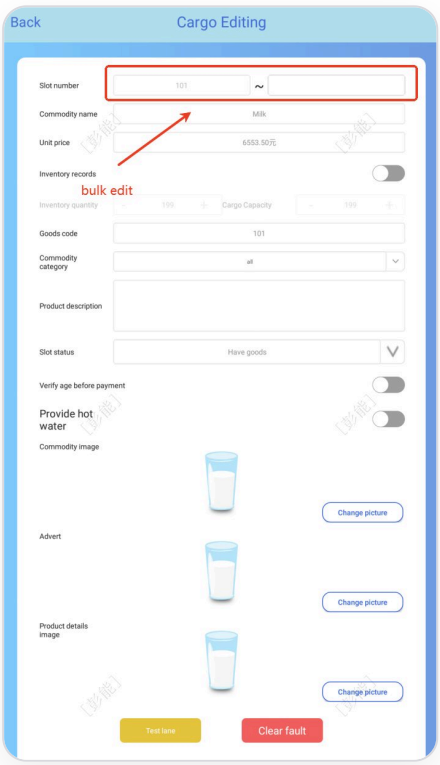


Fig. 5.22 Batch operation

Filling the whole machine

Tap **Fill** – all slots of the slave cabinet are automatically set to full.

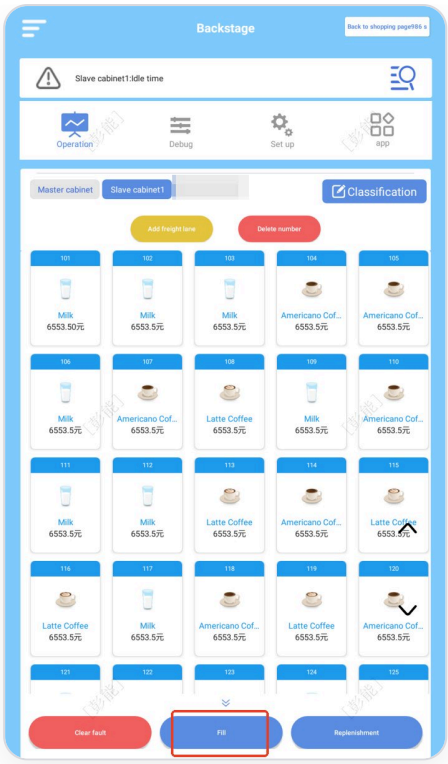


Fig. 5.23 Fill

Replenishment and slot test

Tap **Replenishment** to open the replenishment page of slave cabinet 1. Tap **Full machine** to set all slots to full stock, or start the slot test to test dispensing on all slots of the slave cabinet.

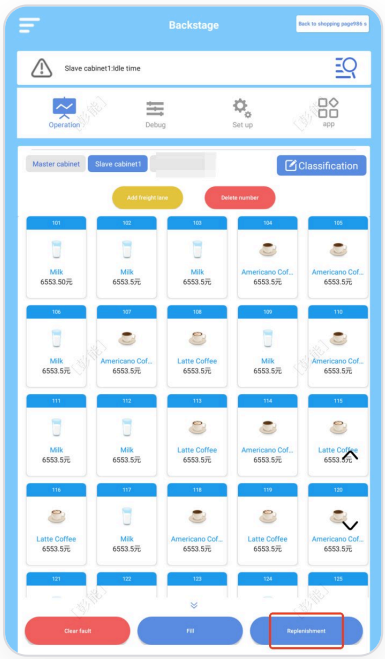


Fig. 5.24 Replenishment button

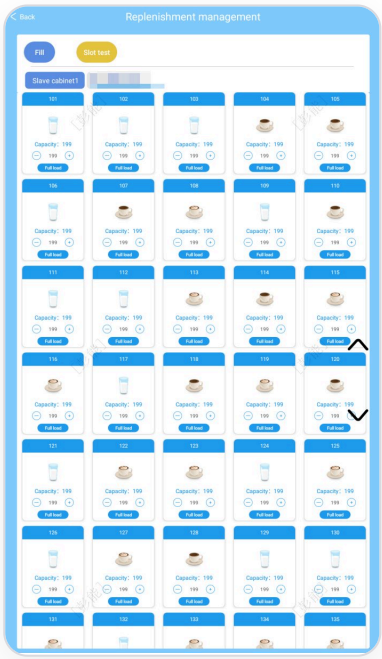


Fig. 5.25 Replenishment page

Clearing faults

If slave cabinet 1 reports a fault, tap **Clear fault** to reset it.

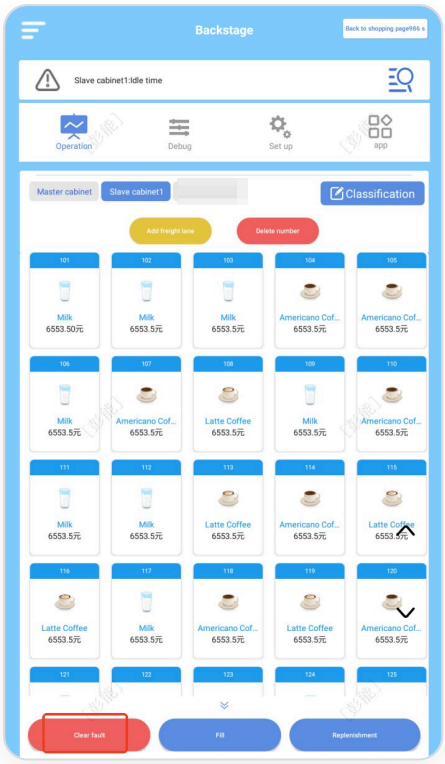


Fig. 5.26 Clear fault

6

Debug

The Debug area is divided into master cabinet debugging, spring slave cabinet debugging and temperature controller debugging.



Fig. 6.1 Debug

6.1 Master cabinet debugging

The "Equipment management" page contains the tabs Query status, Take action, Setting parameter, Outlet calibration, Program update and – hidden – Engineering.

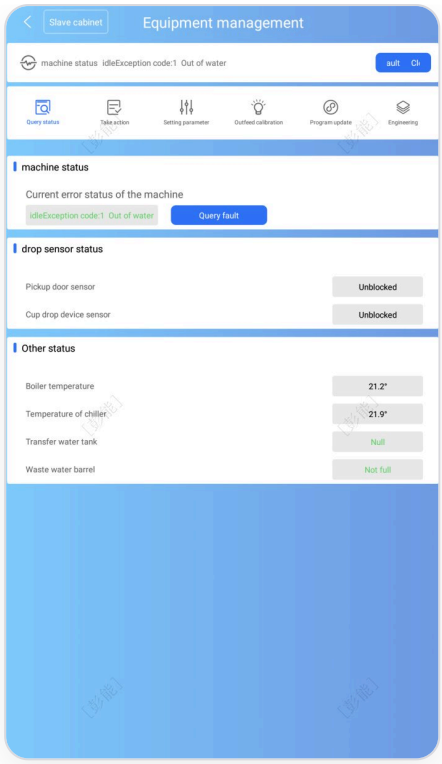


Fig. 6.2 Equipment management – master cabinet

Query status

Shows the machine status, the sensor status and other values such as boiler temperature, chiller temperature, transfer water tank and waste water barrel.

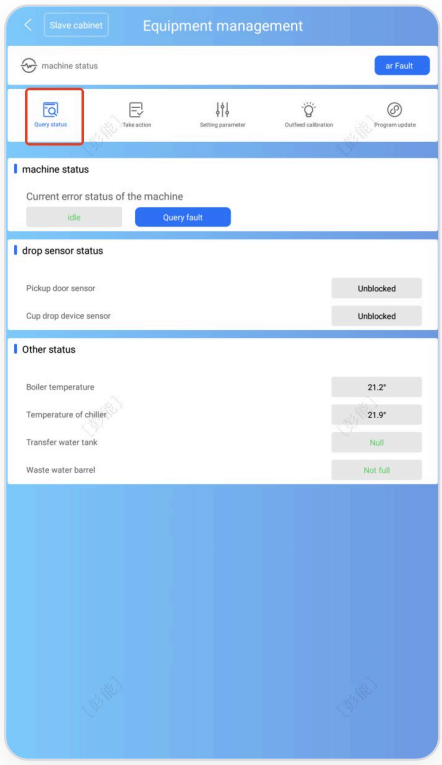


Fig. 6.3 Query status

Take action

The page has three parts:

Action
Run hardware actions and check that they are executed correctly.

Material
Run material actions and check that they are executed correctly.

Detection
Run detection functions and hardware tests and check that the hardware works properly.

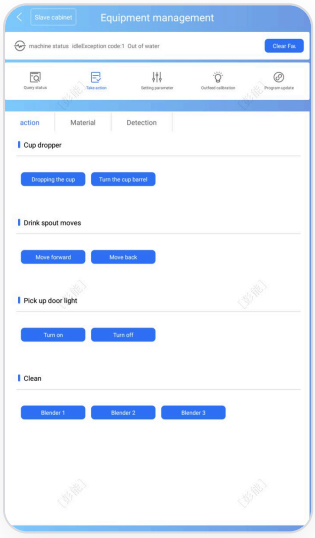


Fig. 6.4 Action

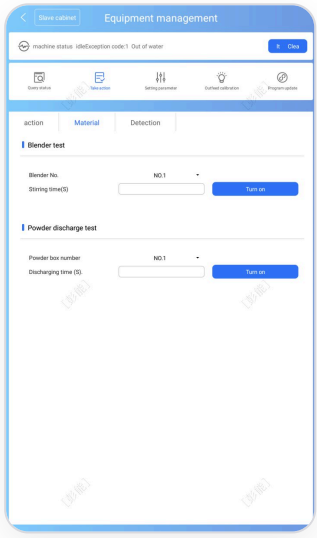


Fig. 6.5 Material

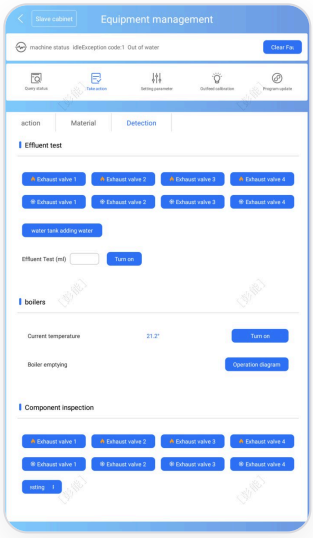


Fig. 6.6 Detection

Setting parameters, calibration and updates

Setting parameter
Set the hardware and machine parameters.

Outlet calibration
Calibrate the material discharge.

Program update
Update the driver program of the control board and the Android driver program.

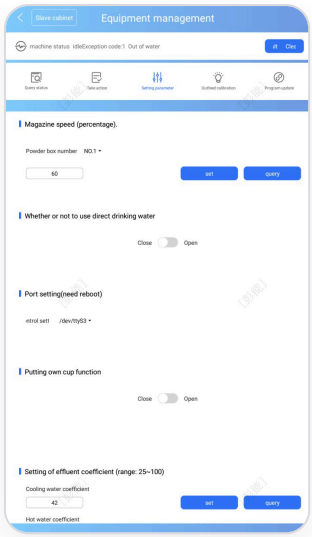


Fig. 6.7 Setting parameter

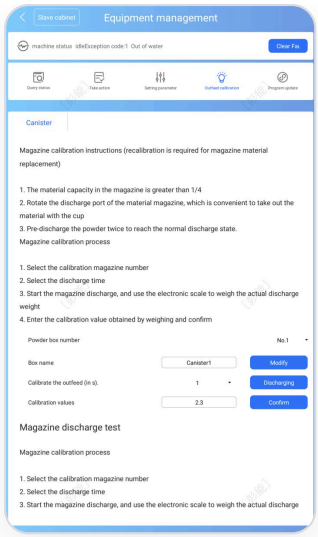


Fig. 6.8 Outlet calibration

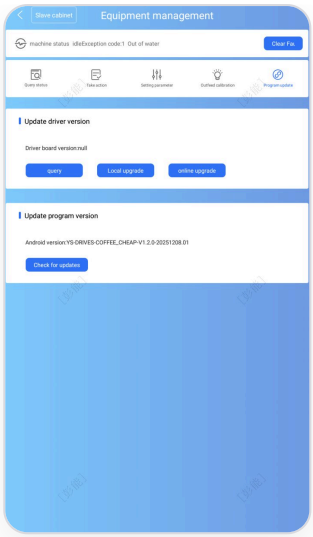


Fig. 6.9 Program update

Engineering (hidden)

To display the engineering page, press and hold the title "Equipment management" at the top of the debug page, enter the password 202010 and confirm with OK. Here you can query and clear faults, query and set parameters, run actions and test dispensing.

> **Important**
> The engineering functions are intended for service technicians only. Incorrect settings can impair the machine's operation.

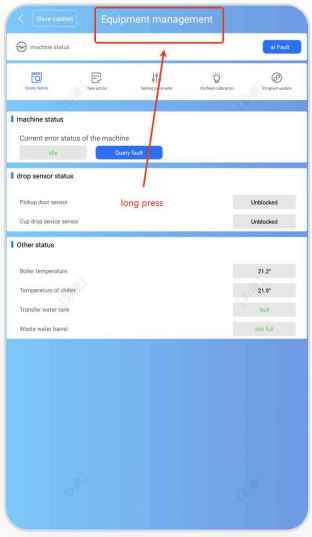


Fig. 6.10 Opening the engineering page

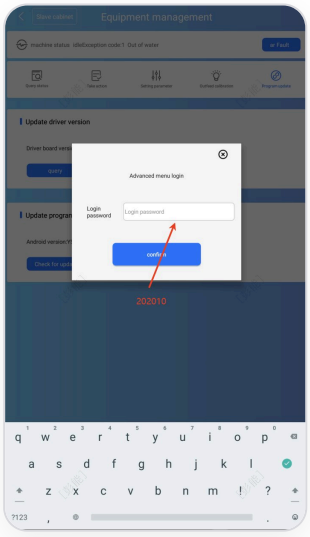


Fig. 6.11 Password entry

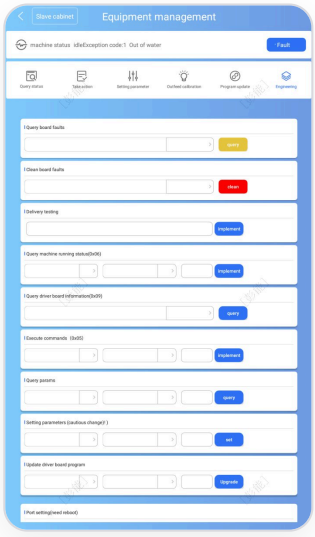


Fig. 6.12 Engineering page

6.2 Spring slave cabinet

On this page you debug the functions of the spring cabinet (snack unit).

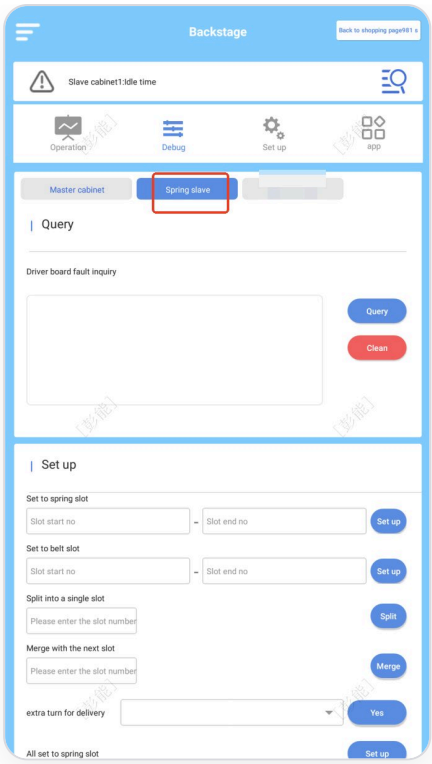


Fig. 6.13 Spring slave cabinet debugging

6.3 Temperature controller

Open the master cabinet debugging and tap the **Slave cabinet** button at the top left of the status page. The menu settings open. Use the parameter query and parameter settings for slave cabinet 1 to set up the temperature controller.

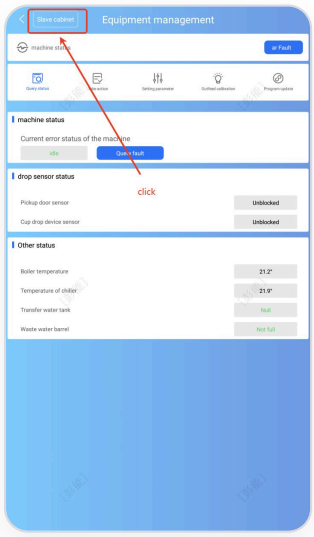


Fig. 6.14 Switching to the slave cabinet

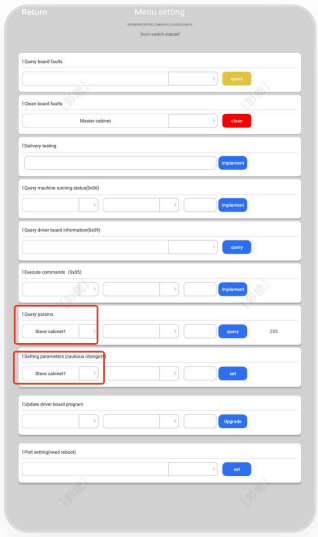


Fig. 6.15 Menu settings

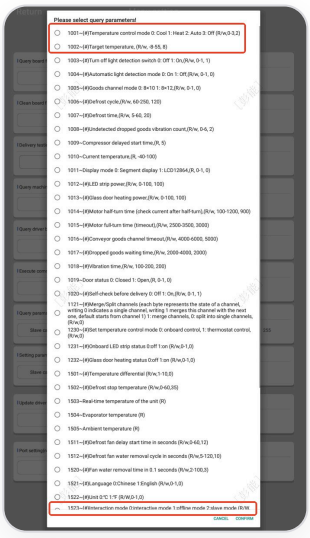


Fig. 6.16 Temperature controller parameters

7

Set up

The Set up area contains the tabs Information settings, Version, Payment, Serial port, Password log and Sales Report.

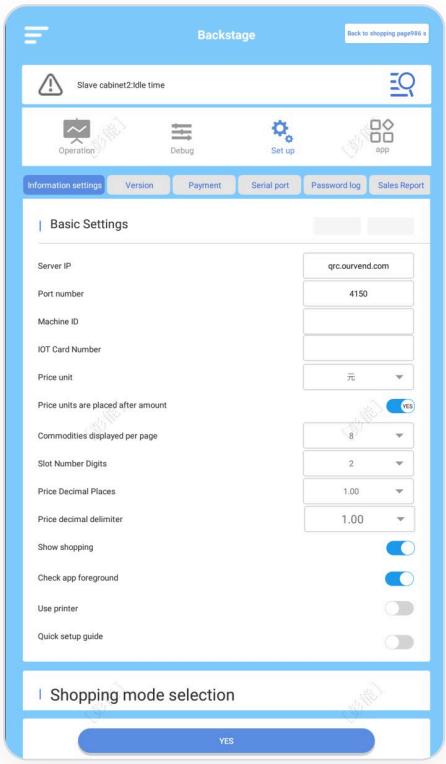


Fig. 7.1 Set up

7.1 Information settings

Basic configuration of the machine.

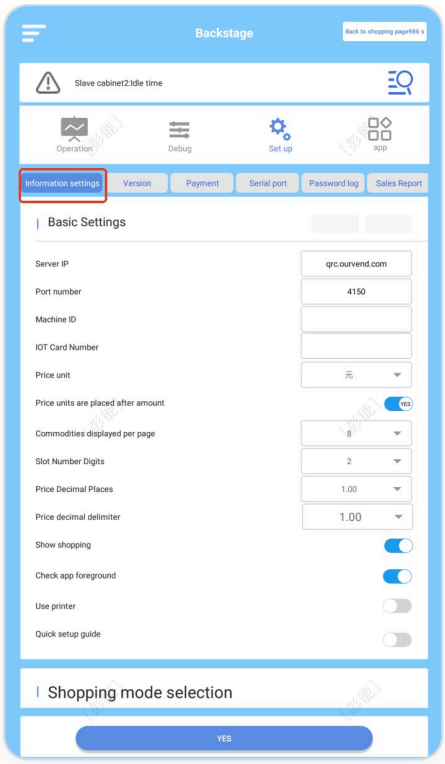


Fig. 7.2 Information settings – basic settings

Server IP / Port number
Connection to the cloud backend.

Machine ID / IOT Card Number
Identification of the machine and its SIM card.

Price unit
Currency of the prices, e.g. €.

Price units are placed after amount
Shows the currency after the amount.

Commodities displayed per page
Number of products per page on the shopping screen.

Slot Number Digits
Number of digits in the slot numbers.

Price Decimal Places / Price decimal delimiter
Number of decimal places and decimal separator.

Show shopping
Show the shopping screen.

Check app foreground
Keeps the app in the foreground.

Use printer
Activates a connected printer.

Quick setup guide
Shows the setup wizard.

Further down you will find the prompt settings (advertising text, welcome text, customer service number, keypad texts, payment prompt, payment timeout, sold-out text) and the menu settings (e.g. watchdog, import/export of product translations, display by code, mode of sale, skin plugin, shopping cart, language settings, over-temperature lock, restore default settings).

> **Note**
> The options marked in red in the following screenshots have no effect when the coffee machine is operated with a skin plugin.



Fig. 7.3 Prompt settings

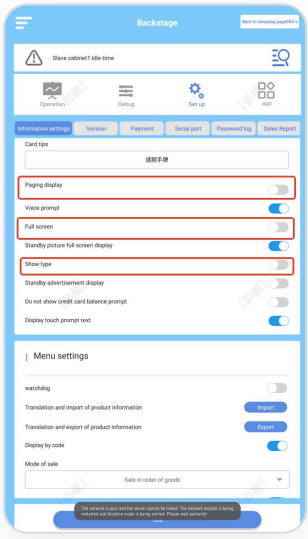


Fig. 7.4 Display settings

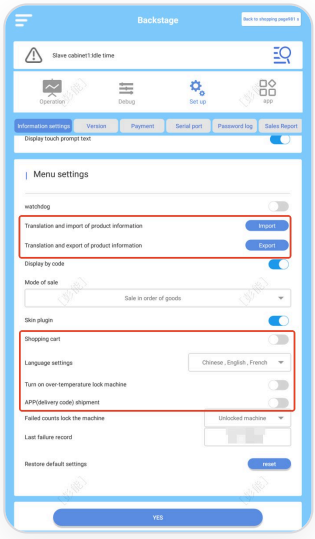


Fig. 7.5 Menu settings

7.2 Version

Here you update the main program and the driver board programs. The page shows the current and the latest version, the update buttons for the master cabinet driver board, the slave drive and the 5-inch screen mainboard, plus the serial numbers and the Android version.

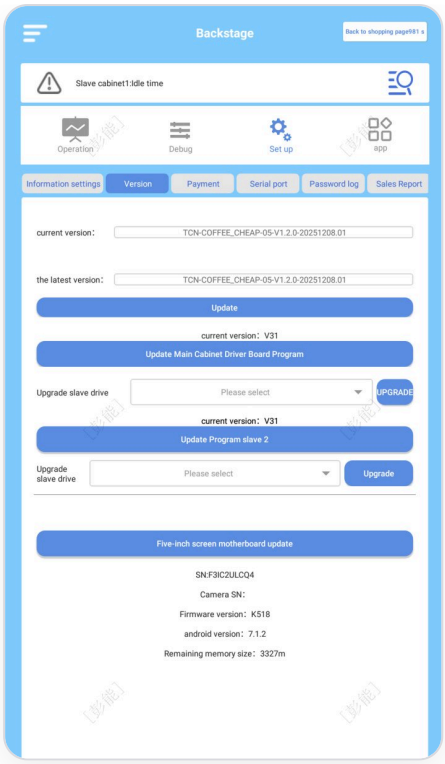


Fig. 7.6 Version

7.3 Payment

YSPAY and cash payment are the most commonly used options here; mobile payment and other payment methods are usually not needed.

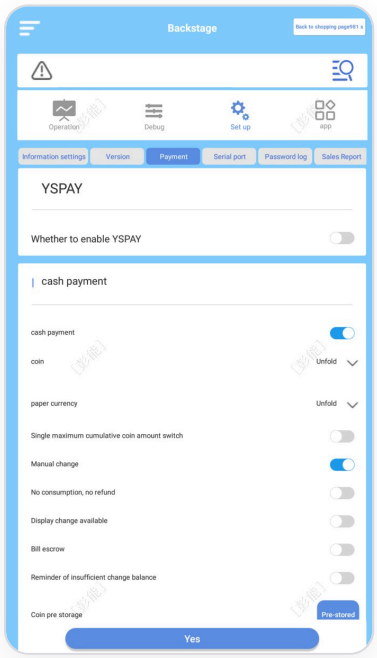


Fig. 7.7 YSPAY and cash payment

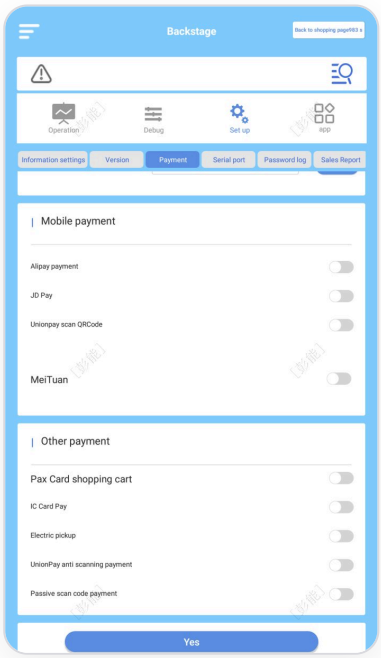


Fig. 7.8 Mobile and other payment methods

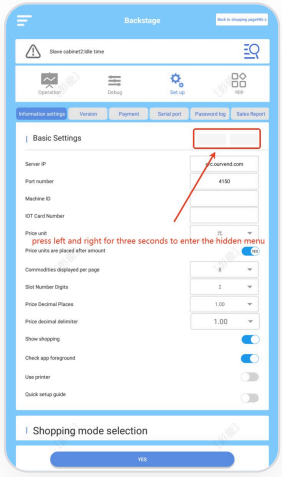
Cash payment
Coins, banknotes, maximum cumulative coin amount, manual change, no refund without purchase, display available change, bill escrow, insufficient change warning and coin pre-storage.

Mobile payment
Alipay, JD Pay, UnionPay QR code, MeiTuan.

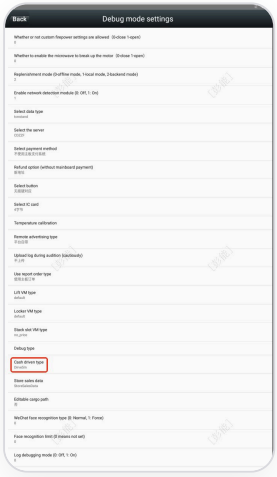
Other payment
Pax card shopping cart, IC card payment, electronic pickup, UnionPay anti-scanning payment, passive scan code payment.

Setting up the 5-inch screen

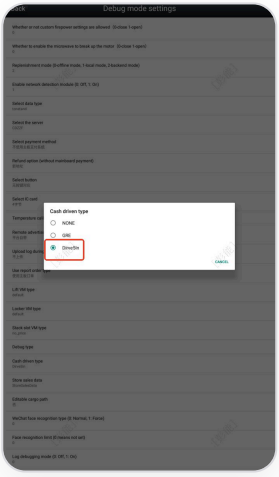
1. Install the 5-inch screen hardware.
2. Open the hidden menu: on the **Information settings** page, press and hold the left and right of the two fields next to "Basic Settings" for three seconds.
3. In the debug mode settings, set "Cash driven type" to Drive5In.
4. On the **Serial port** page, configure the MDB serial port to which the 5-inch screen is connected.



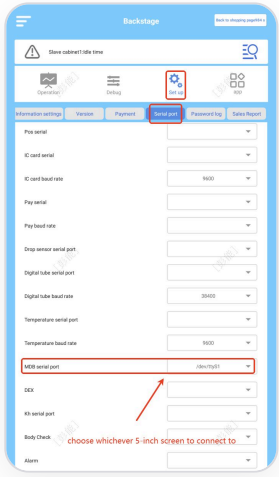
1 Open the hidden menu



2 Debug mode settings



3 Select Drive5In



4 Set the MDB serial port

7.4 Serial port

Here you configure the serial ports for the master cabinet, the slave cabinet, the temperature controller and the MDB interface.

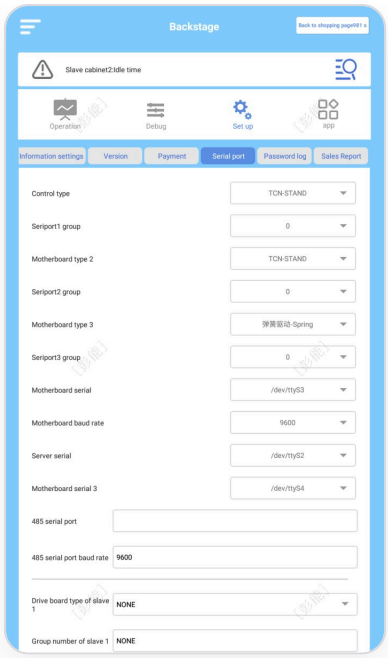


Fig. 7.13 Serial port (1)

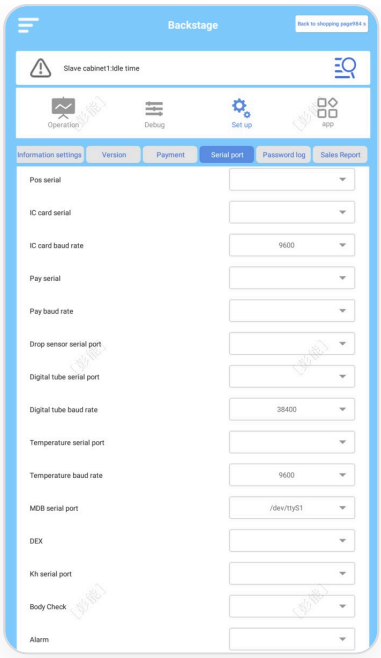


Fig. 7.14 Serial port (2)

> **Important**
> The serial ports are configured at the factory. Only change them under the guidance of a service technician.

7.5 Password log

User and personnel settings

Machine ID, user name, login password, interface login password and replenisher account – each changed with **Revise**.

Fault inquiry

Query fault and **CLEAR FAULT**.

Log

Query and upload log files.

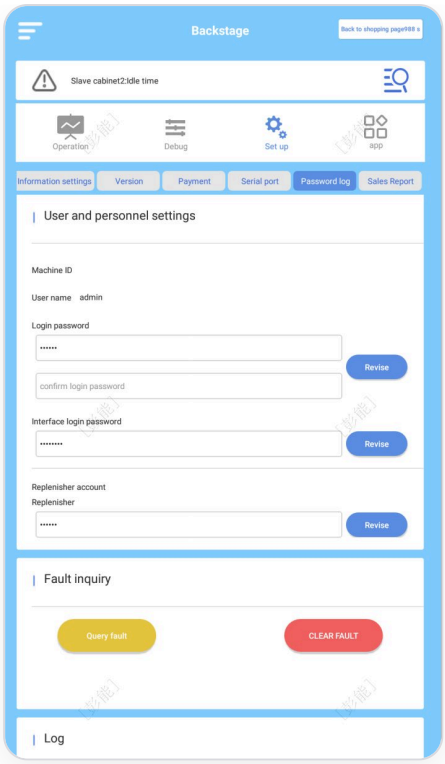


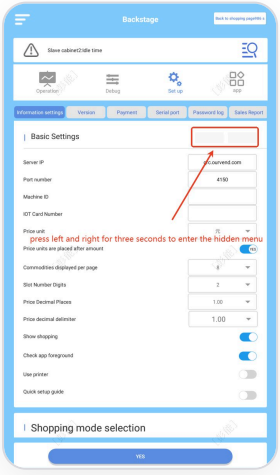
Fig. 7.15 Password log

7.6 Sales report

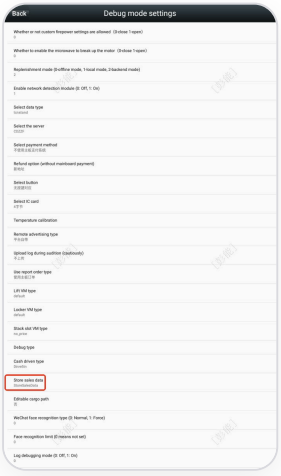
The sales report is a hidden function. To activate it:

1. Open the hidden menu (press and hold left and right of "Basic Settings" for three seconds).
2. Tap "Store sales data" and select StoreSalesData.
3. Restart the machine – the **Sales Report** tab is now available.

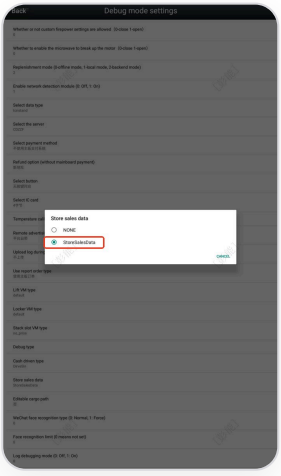
The sales report shows total turnover and quantities by payment method (cash, swipe, others), with quick filters for today, this month and this year. You can filter by shipment status, time period, payment method and slot range, query the data, export it and clear it.



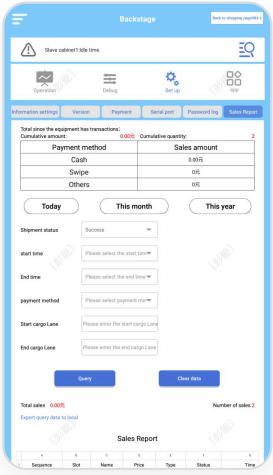
1 Open the hidden menu



2 Debug mode settings



3 Select StoreSalesData



4 Sales report

8

APP

Under APP you manage the installation and removal of other applications.

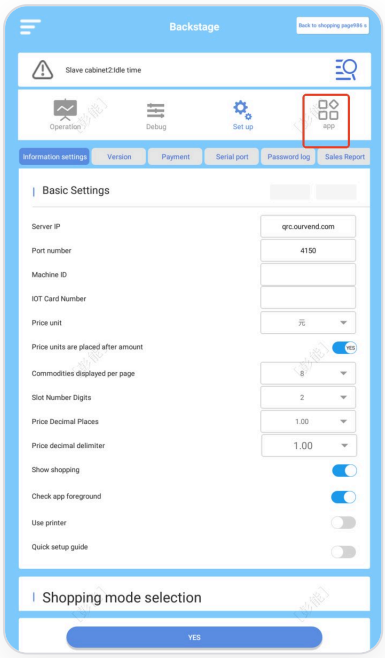


Fig. 8.1 APP menu

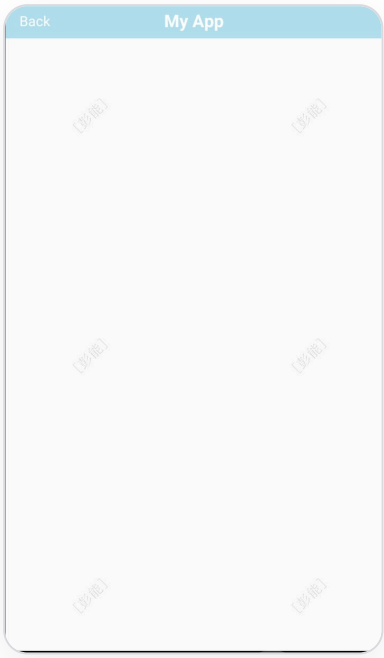


Fig. 8.2 My App

9

System Settings

Tap the menu icon at the top left of the backend to open the system settings.

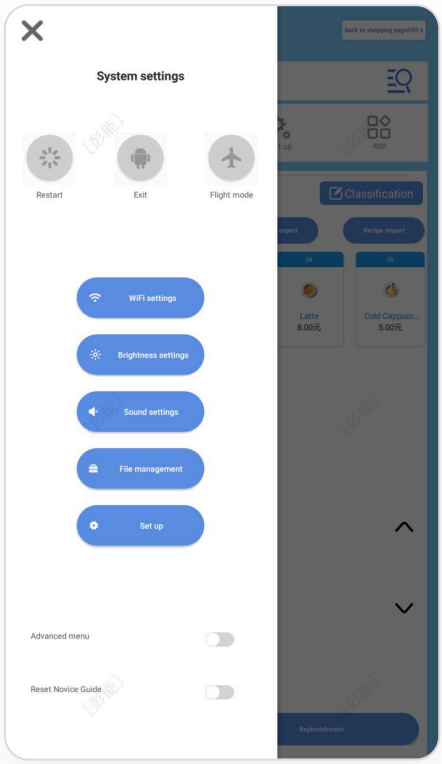


Fig. 9.1 System settings

Restart
Restarts the machine.

Exit
Exits the coffee machine program.

Flight mode
Switches the machine to flight mode.

WiFi settings
Opens the machine's WiFi settings.

Brightness settings
Sets the screen brightness.

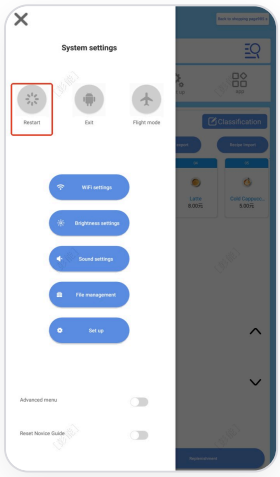
Sound settings
Sets the volume.

File management
Opens the file manager.

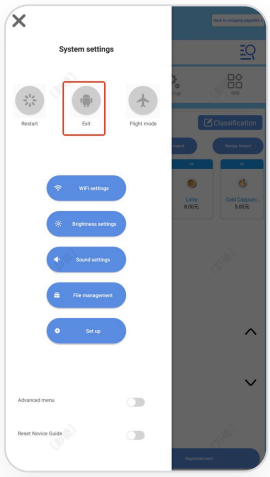
Set up
Opens the Android settings.

Advanced menu
After entering the password, the machine opens the advanced menu – engineering page.

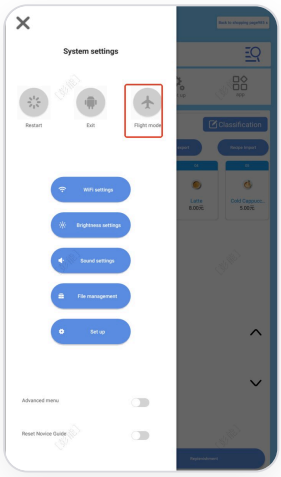
Reset Novice Guide
Resets the beginner's guide.



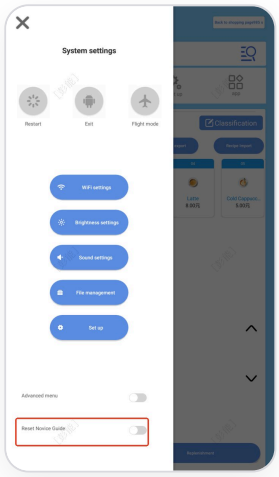
1 Restart



2 Exit



3 Flight mode



4 Reset Novice Guide

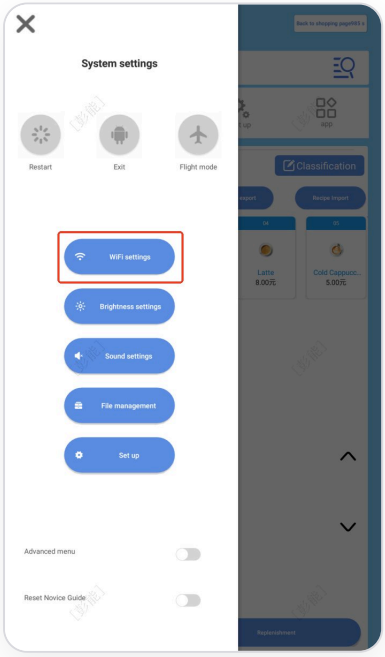


Fig. 9.6 WiFi settings

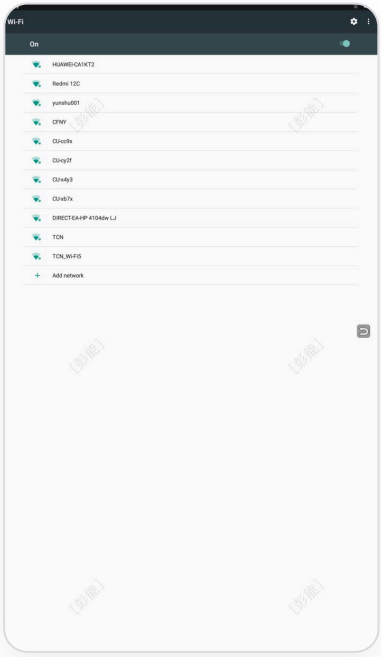


Fig. 9.7 WiFi settings page

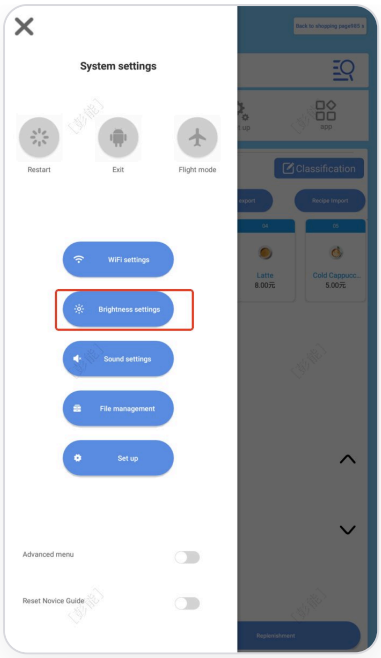


Fig. 9.8 Brightness settings

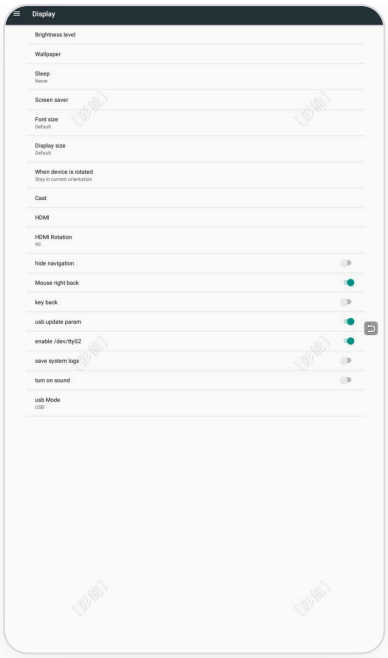


Fig. 9.9 Brightness page

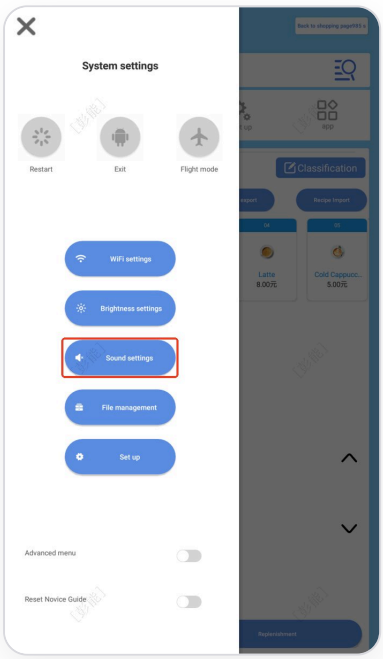


Fig. 9.10 Sound settings

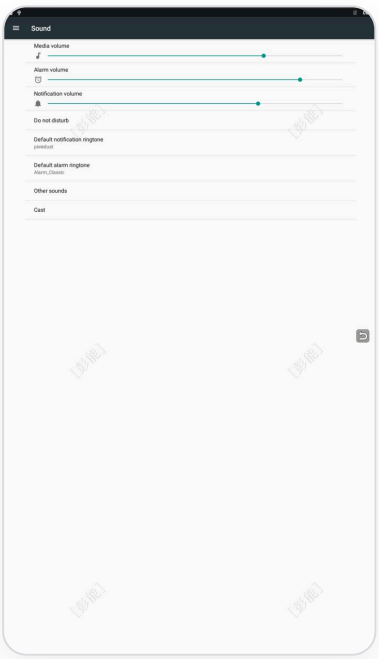


Fig. 9.11 Sound page

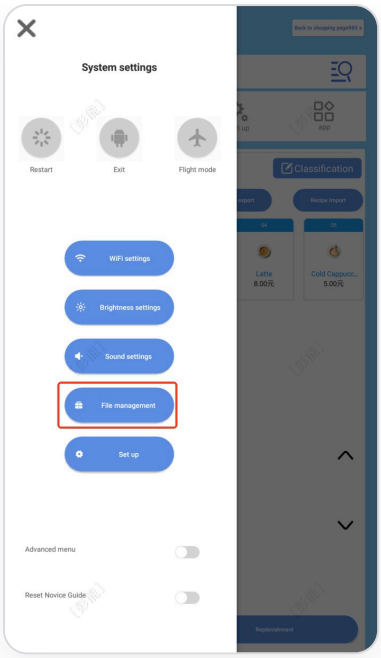


Fig. 9.12 File management

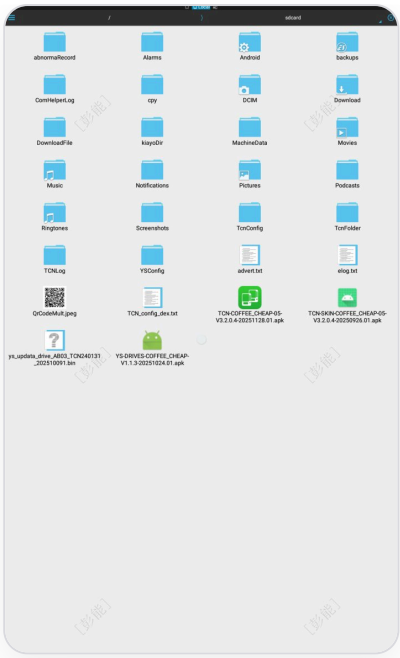


Fig. 9.13 File manager

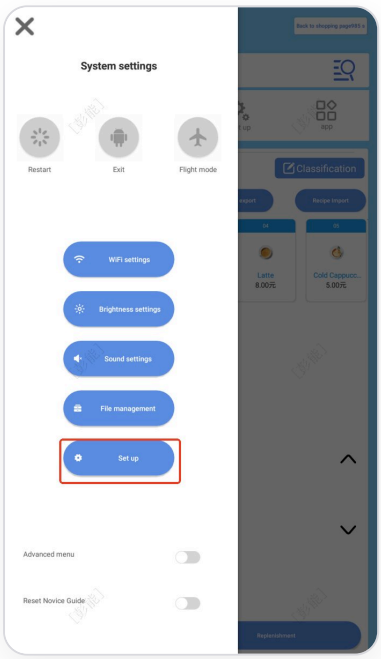


Fig. 9.14 Set up

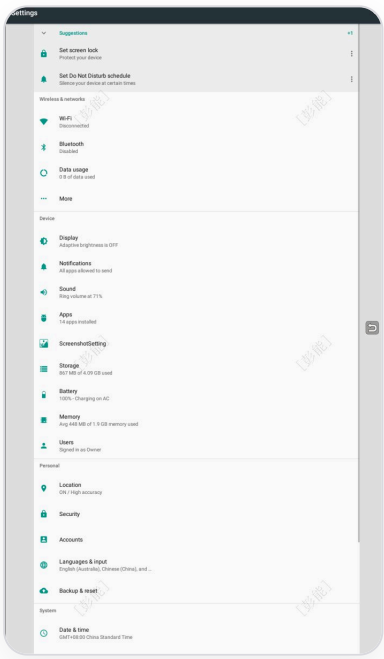


Fig. 9.15 Android settings

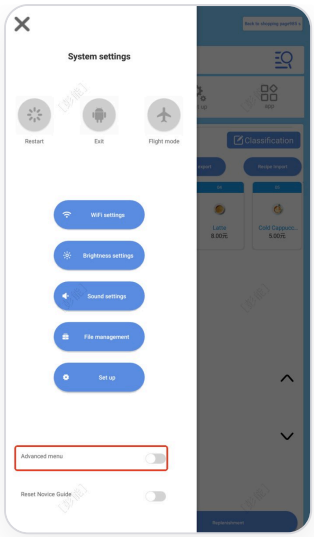


Fig. 9.16 Advanced menu

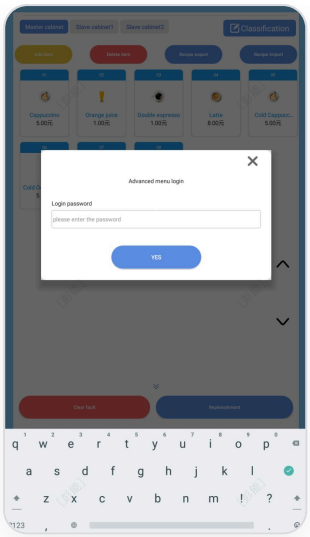


Fig. 9.17 Password entry

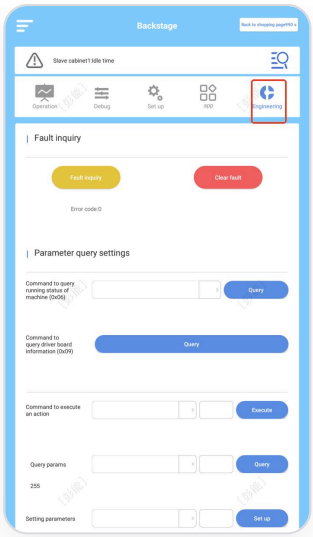


Fig. 9.18 Advanced menu – engineering

10

Hot Water from the Snack Unit

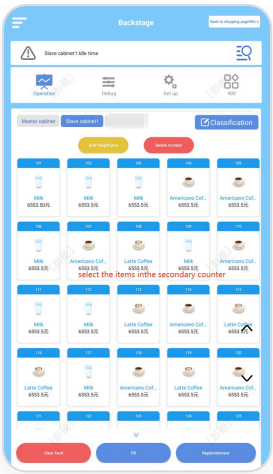
Products in the slave cabinet (e.g. instant products in cups) can be combined with hot water. There are two modes:

Queued purchasing mode
The next customer can only buy once the previous customer has completed the purchase and collected the hot water.

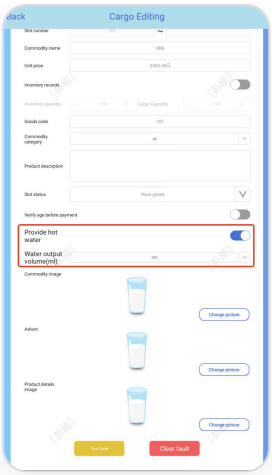
Parallel purchasing mode
The customer receives a water collection code and can collect the hot water at any time within its validity period – without blocking other customers' purchases.

10.1 Queued purchasing mode

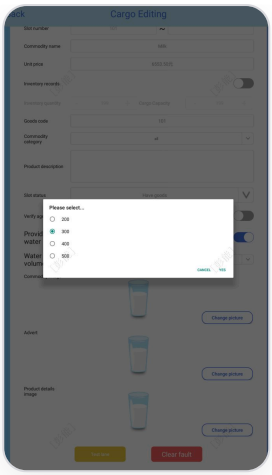
1. In the backend, open Operation › Slave cabinet1 and select the product.
2. Switch on "Provide hot water".
3. Choose the water output volume (200–500 ml).
4. Tap CONFIRM.
5. Under Set up › Information settings › "Shopping mode selection", enable "Queued purchasing mode".
6. Set the validity duration of the hot water button in seconds and tap YES.
7. Return to the shopping screen. The customer taps the hot water product ...
8. ... and confirms with "need" that hot water is required.
9. The product is dispensed.
10. A pop-up appears: the customer taps Collect water before the countdown expires, and the hot water is dispensed.



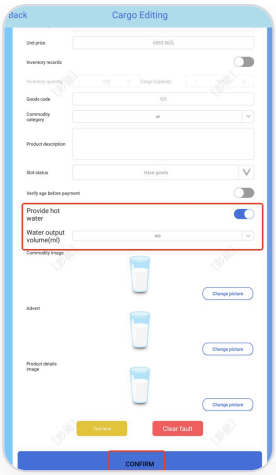
1 Select the product



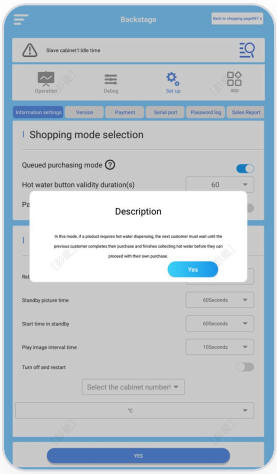
2 Provide hot water



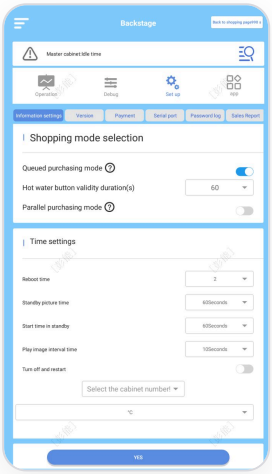
3 Water volume



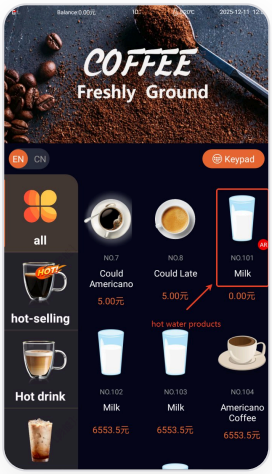
4 Confirm



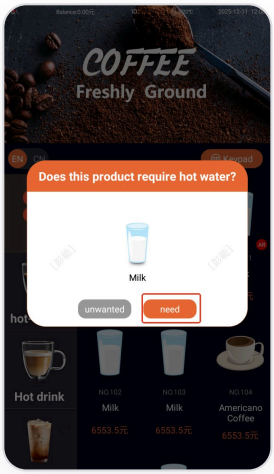
5 Enable queued mode



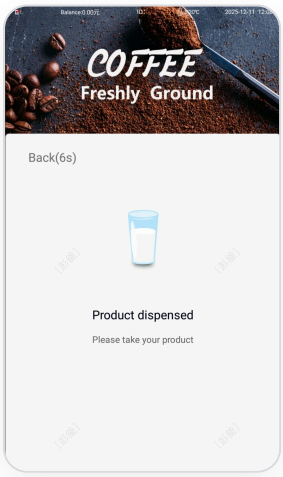
6 Set validity, YES



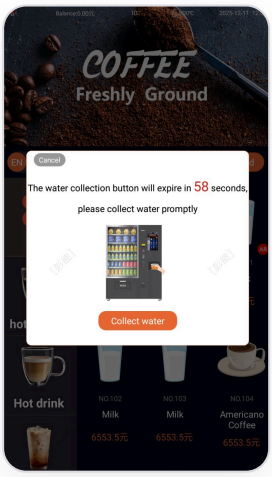
7 Tap the product



8 Confirm "need"



9 Product dispensed

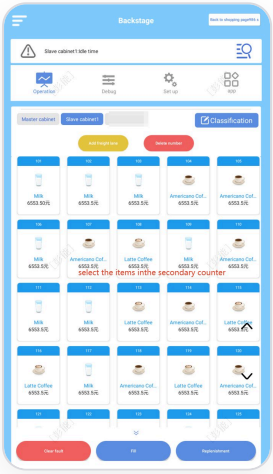


10 Collect water

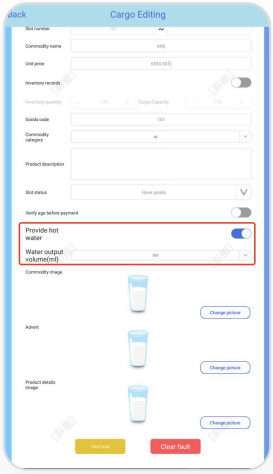
10.2 Parallel purchasing mode

1. In the backend, open **Operation** › **Slave cabinet1** and select the product.
2. Switch on "Provide hot water".

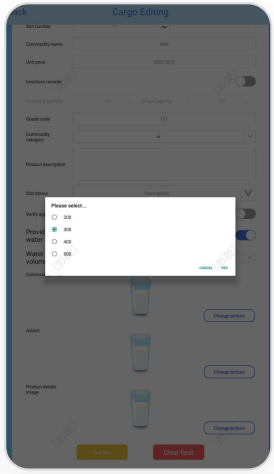
3. Choose the water output volume (200–500 ml).
4. Tap **CONFIRM**.
5. Under **Set up** › **Information settings** › "Shopping mode selection", enable "Parallel purchasing mode".
6. Set the validity period of the water collection code in minutes and tap **YES**.
7. Return to the shopping screen. The customer taps the hot water product ...
8. ... and confirms with "need" that hot water is required.
9. The product is dispensed.
10. The screen shows the water collection code (redeemable within 30 minutes by default).
11. To collect the water, the customer taps the tap icon above the keypad ...
12. ... enters the water collection code and taps **Confirm** – the hot water is dispensed.



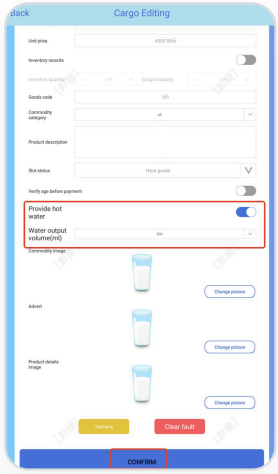
1 Select the product



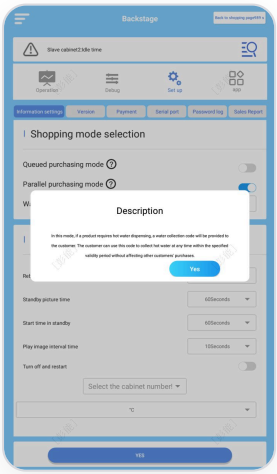
2 Provide hot water



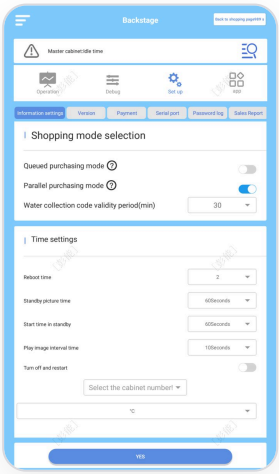
3 Water volume



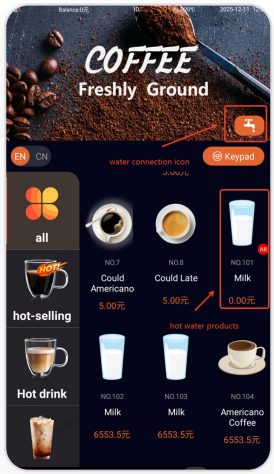
4 Confirm



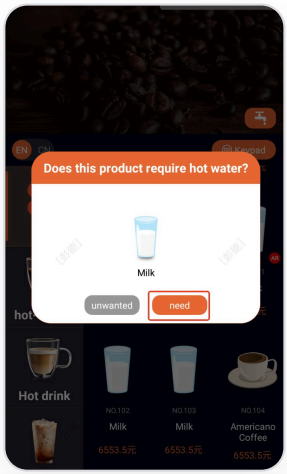
5 Enable parallel mode



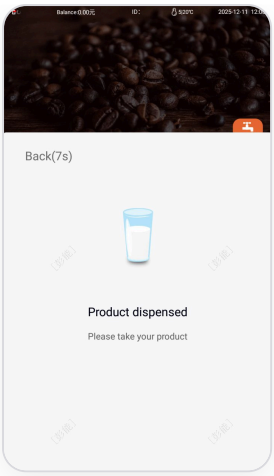
6 Set validity, YES



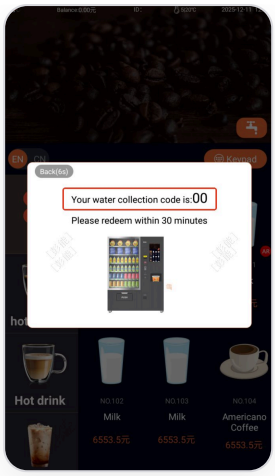
7 Tap the product



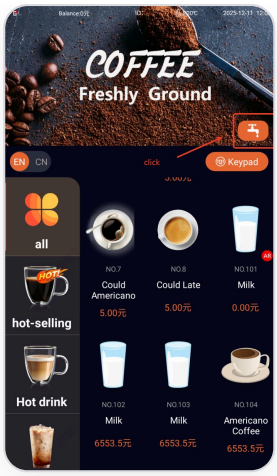
8 Confirm "need"



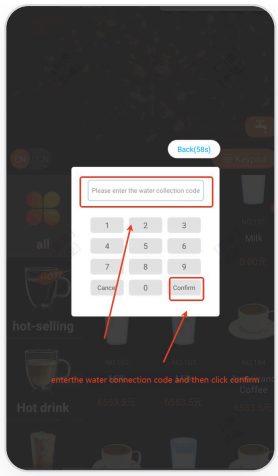
9 Product dispensed



10 Water collection code



11 Tap the tap icon



12 Enter the code