

Instruction manual of Android touch screen vending machine

Due to different models or configurations, parts of functions are different, please refer to real machine.

合格证 Certificate of Quality Quality inspectors:
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Packing list:

vending machine ☐ Coin changer ☐ single motor gear box ☐

double motor gear box ☐ 15A fuse ☐ 10A fuse ☐ key ☐

Instruction manual ☐ others ☐

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Quick Setup Guide

Click 'read me', then click 'back' to exit.

Please select...

big screen ☐

7 inch ☐

Confirm Cancel

Please select...

NONE ☐

Red motherboard ☐

Red motherboard snake machine ☐

Red motherboard snake machine with deputy cabinet ☐

OD ☐

Spring drive ☐

lattice drive ☐

lift drive ☐

Confirm Cancel

Please select...

NONE ☐

0 ☐

1 ☐

2 ☐

0|1 ☐

1|2 ☐

2|3 ☐

0|1|2 ☐

1|2|3 ☐

2|3|4 ☐

0|1|2|3 ☐

1|2|3|4 ☐

2|3|4|5 ☐

Confirm Cancel

Please select...

default ☐

use your own sever ☐

Confirm Cancel

Please select...

not in use motheboard payment system ☐

VC: 140613&VC: 161114, no serial port board installed, choose this one. ☐

use motheboard payment system ☐

VC: 161114, with serial port board installed, choose this one. If motherboard -> All-pay and WeChat pay are closed, you can choose not to use motherboard's payment system. ☐

Cancel

Please select...

Vertical ☐

Horizontal ☐

Confirm Cancel

Board baud rate

2400 ☐

4800 ☐

9600 ☐

19200 ☐

38400 ☒

57600 ☐

115200 ☐

Cancel

Advert use type

platform comes with ☐

butt joint ☐

Cancel

Please select...

single code display (multi code combination) ☐

single code display ☐

two code display ☐

no display of two-dimensional code ☐

Cancel

Please select...

ttyGS3 ☐

ttyGS2 ☐

ttyGS1 ☐

ttyGS0 ☐

ttyUSB3 ☐

ttyUSB2 ☐

ttyUSB1 ☐

ttyUSB0 ☐

ttymxc0 ☐

ttymxc1 ☒

ttymxc2 ☐

ttymxc3 ☐

ttymxc4 ☐

ttyES1 ☐

ttyES0 ☐

Cancel

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

screen size Click this button

screen orientation Click this button

control type Click this button

seriport1 group Click this button

seriport2 group Click this button

board baud rate Click this button

server select Click this button

advert use type Click this button

pay system type Click this button

qrcode type Click this button

seriport1 Click this button

seriport2 Click this button

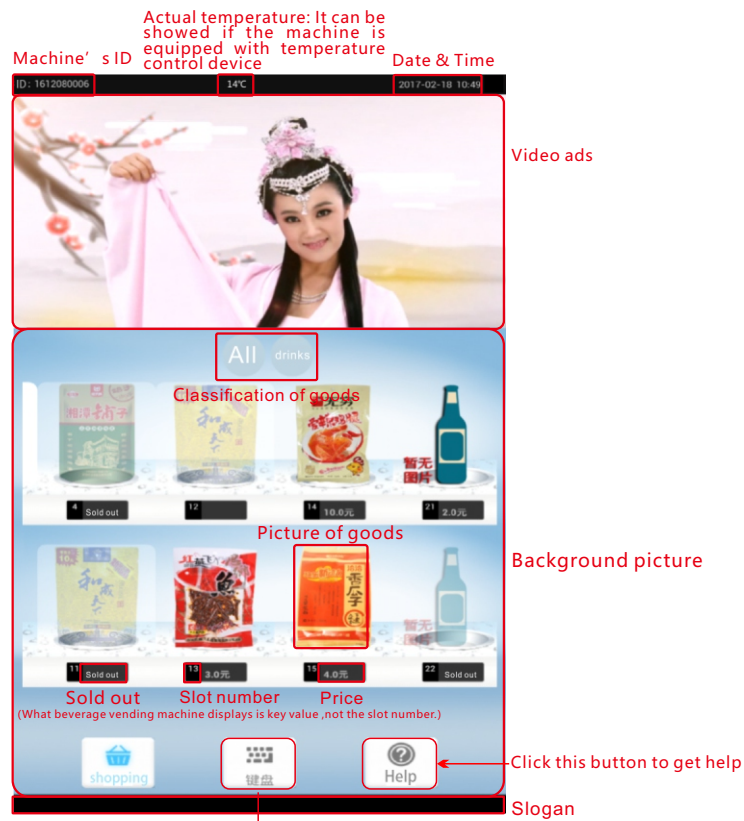
read me

If only one serial port is connected, just choose this one.

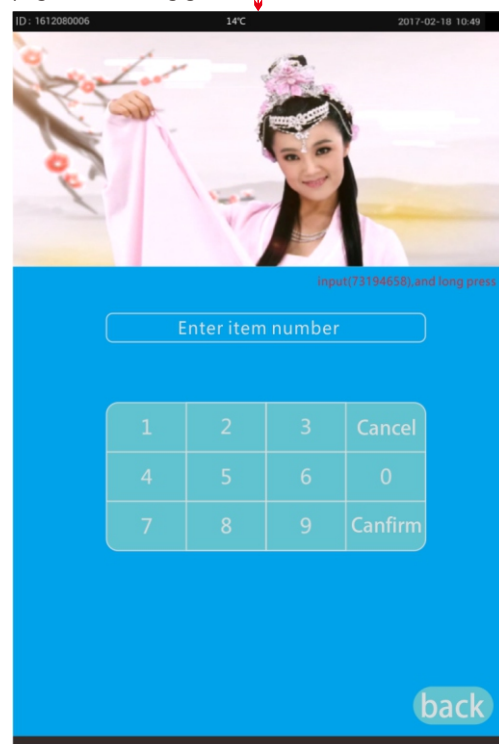
Direction of shopping page

Vertical display

Shopping page



click this to open keyboard
page of choosing goods



Direction of shopping page

Horizontal display

Choose this when the slot is unwanted

Actual temperature: It can be showed if the machine is equipped with temperature control device



Click below the screen

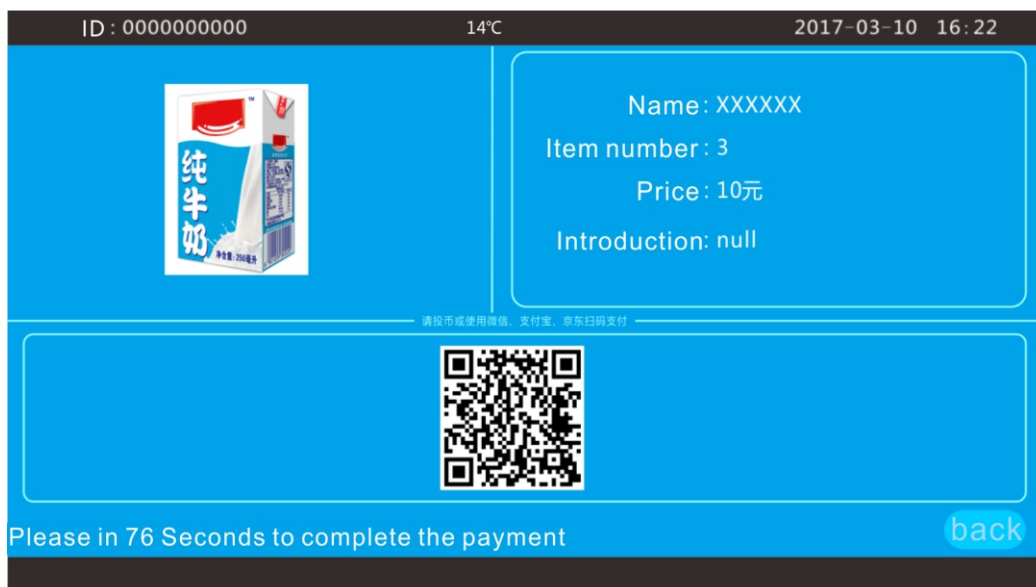


click this to open keyboard



Direction of shopping page

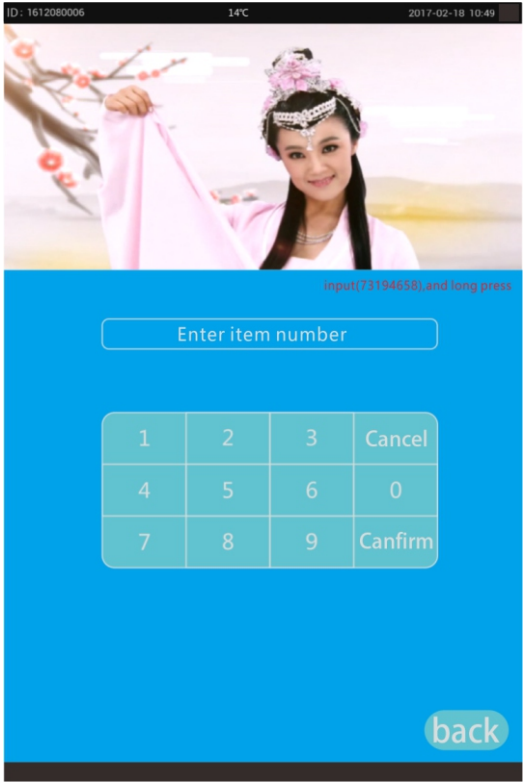
paying page



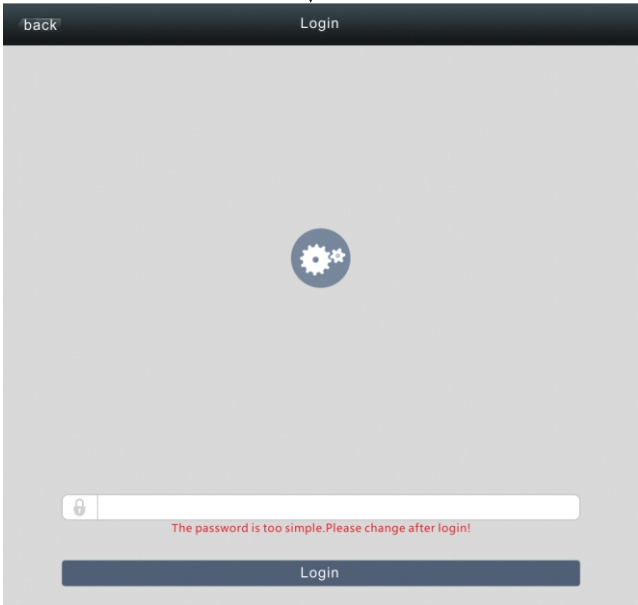
Details of setting machine

Enter the log-in page

Change your password as quickly as possible, or others may change machine's settings, which will lead to your money loss.

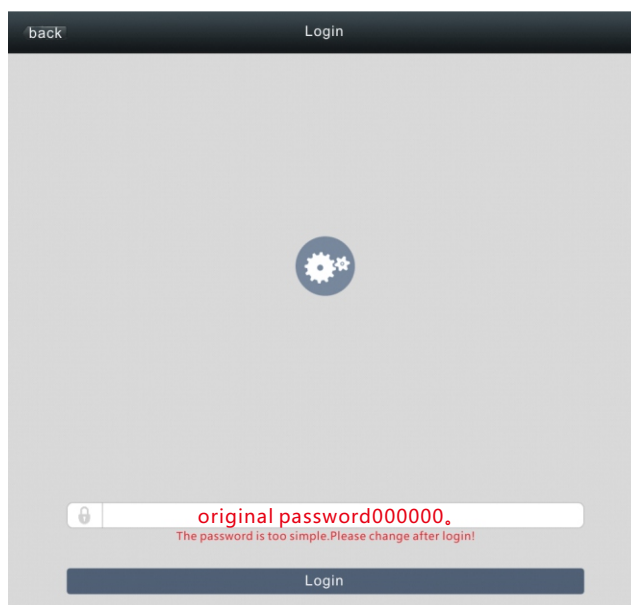


Open the door

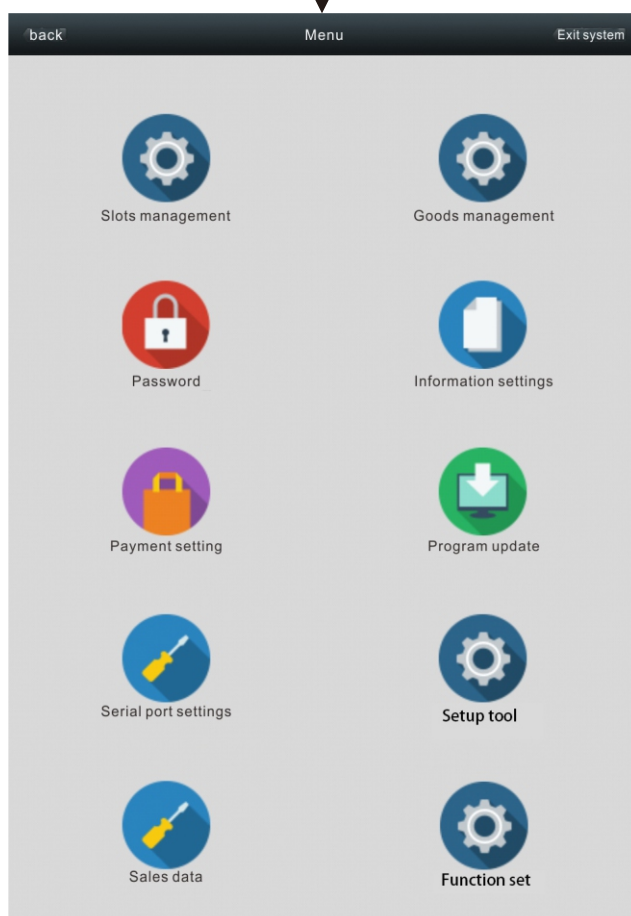


Details of setting machine

Log in menu



Input password,
then click 'log in'.

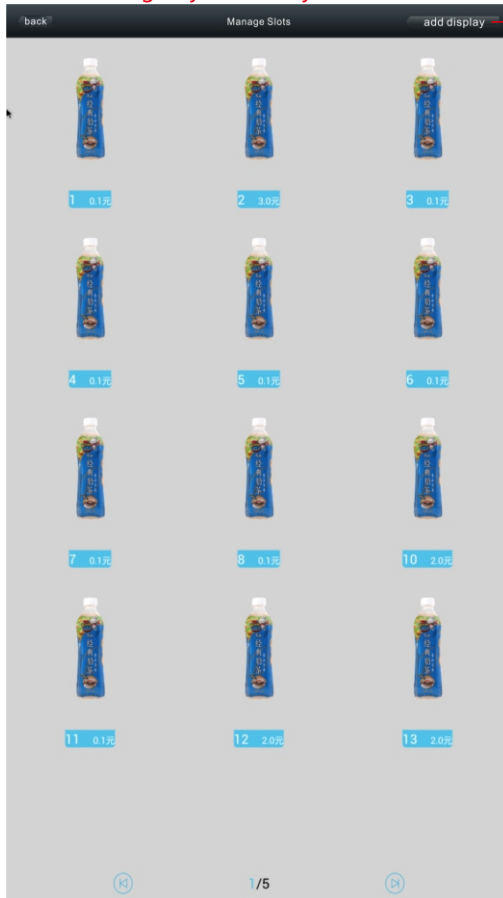


Details of setting machine

Slots management

Click 'Slots management' to manage slots.

New main board can change the slot information in this page, while old motherboard should change by metal keyboard. Pictures of new board and old board are showed in.



Click the slot picture to manage slot.

Input parameters then click 'Confirm'. Only changed parameters will be kept.

Input barcode of goods

Click this button

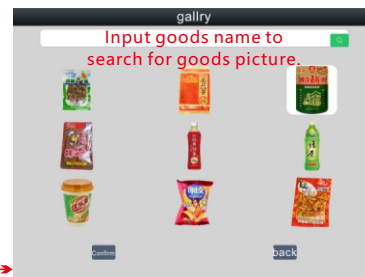
Click this button

Click 'gallery'

The hidden slot will be showed on slot management page if you add it.



The product number set on machine should be the same with the number set on clouds, or it will lead to some troubles. You can set the product code in WeChat subscription account by scanning QR code.

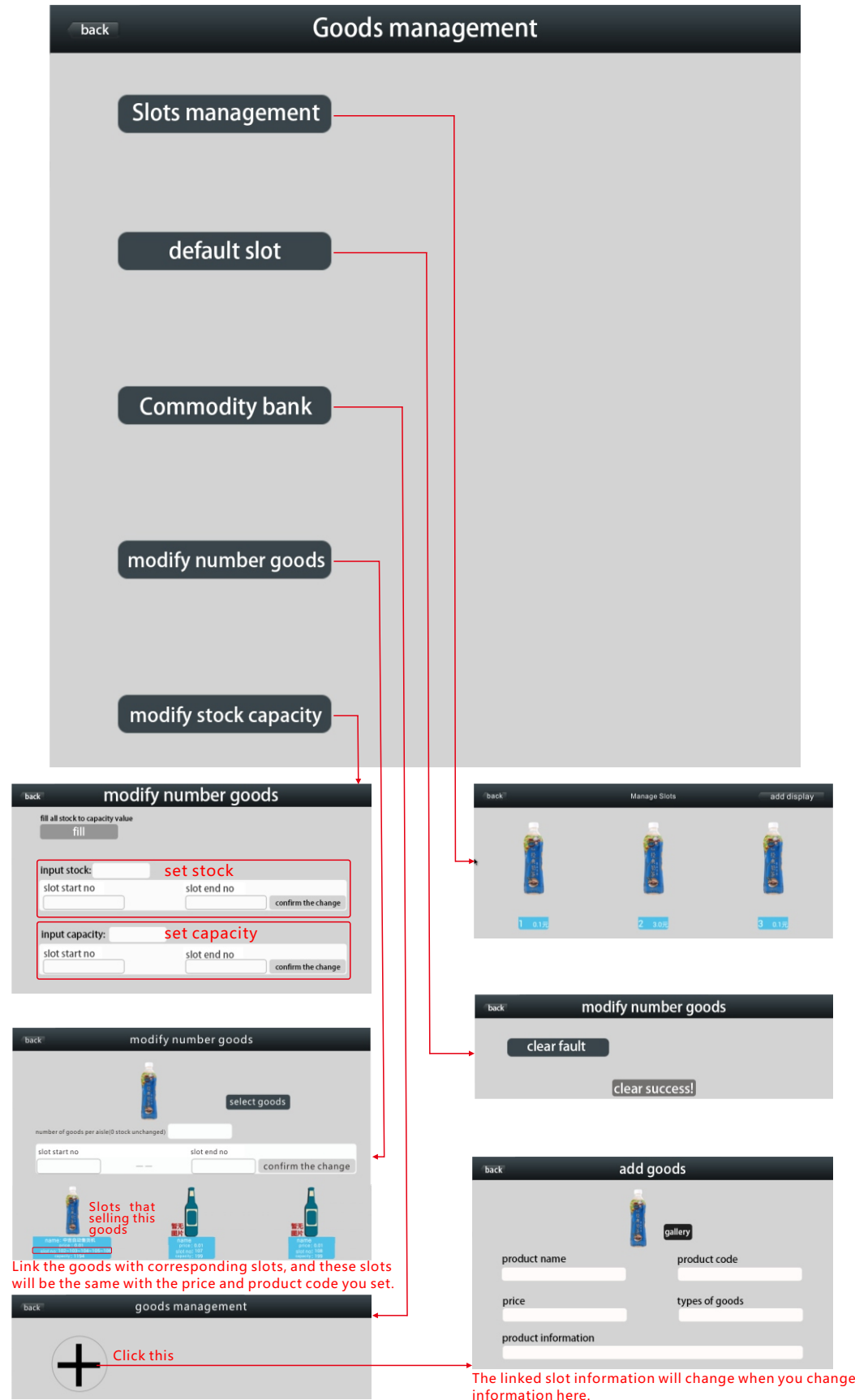


It can test if the good drops normally. The door should be closed, or drop sensor can't detect drop.

Details of setting machine

Goods management

Click 'Goods management' to manage goods.



Details of setting machine

Information setting

Click 'Information setting', to setting information.

back Information configuration

Server IP

Port number

Machine ID

Advertising setting
shopping page, page of choosing goods display ad text

Pay tips
Hint text of paying

Welcome to set

keyboard text Settings

card tips

Price unit

Pay effective time
Exceed this time, it will turn into
standby screen or shopping page.

Ad download polling time

Standby picture time

Play image interval time

display the number of goods per page

number of slots digit

price decimal point

quick setup guide

Standby advertisement display

Full screen

Ads on the bottom of the screen

Standby picture full screen display

Show type

Voice prompt

show single code

restart

show shopping

check app foreground

Display touch prompt text

Use printer

Remote ad download

Confirm

Please select...

元
¥
\$
£

Confirm Cancel

Please select...

30
60
90
120

Confirm Cancel

Please select...

10 minutes
30 minutes
1hours
2hours
4hours
6hours
12hours
15hours
20hours
24hours

Confirm Cancel

Please select...

20
30
60
90
120

Confirm Cancel

Please select...

6
10
15
20
30
60

Confirm Cancel

Please select...

8
10

Confirm Cancel

Please select...

1
2
3

Confirm Cancel

Please select...

0
1
2

Confirm Cancel

Details of setting machine

Payment system

Click 'Payment settings' to set payment information.

back

Payment system

 Crash payment

Only if the machine is equipped with bill changer or coin change should you open it.

☐

 UnionPay payment

Only if machine is equipped with point of sales terminal need it open the switch. Please contact with our custom service to supply agreement of China UnionPay. It works after China UnionPay's approval.

☐

 IC Card Pay

IC card IP address

IC card port

 Electric pickup

Close this if you open the switch of APP(delivery code) shipment.

☒

Electric pickup address

Polling interval(s)

>

 WeChat payment

☐

 Alipay payment

Contact with our custom service, open it and set payment parameter information.

☐

 JD Pay

☐

Passive scan code payment

☒

Unionpay scan QRcode

☒

Unionpay app scan QRCode

☒

Merchant number

Terminal number

Institutional merchant number

News sources

System number

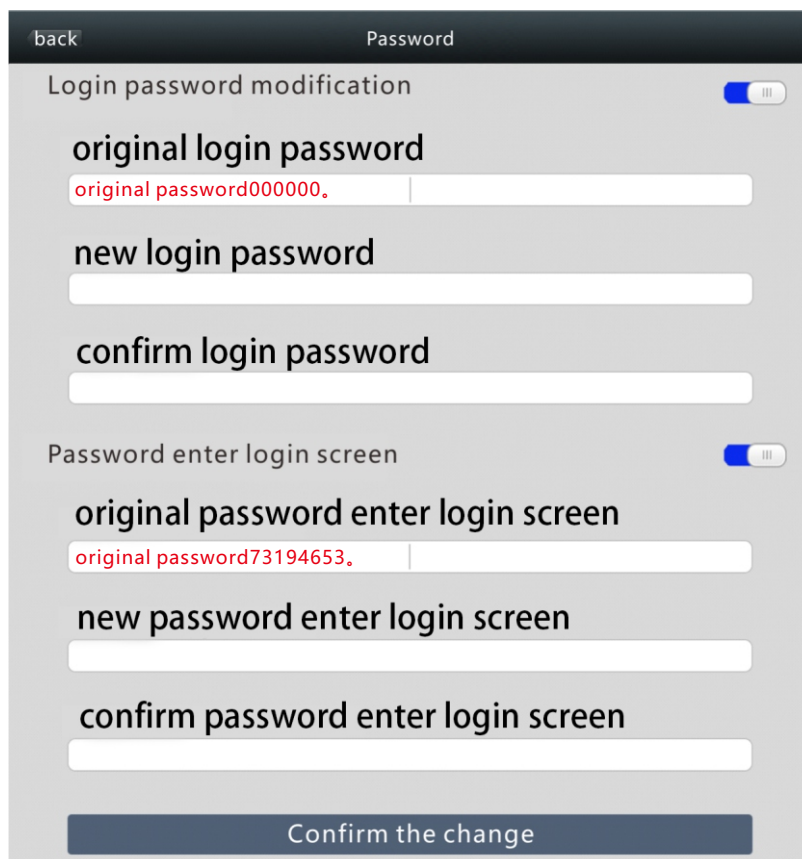
secret key

Confirm

Details of setting machine

Password management

Click 'Password' to enter page of setting password.

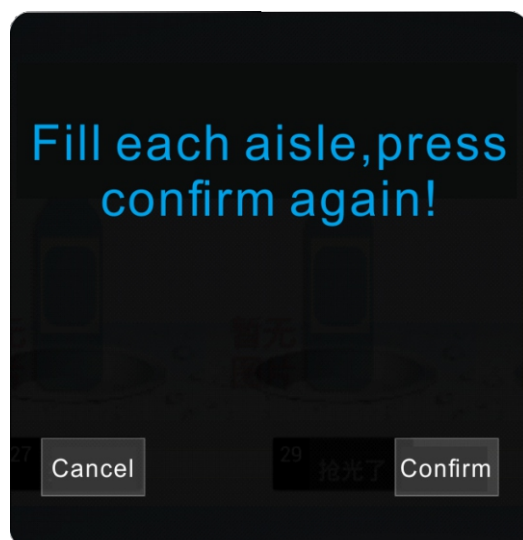


The screenshot shows the 'Password' management interface. At the top, there is a 'back' button and the title 'Password'. Below the title, there are two sections. The first section is 'Login password modification', which has a toggle switch turned on. It contains three input fields: 'original login password' (with a red warning message 'original password000000.'), 'new login password', and 'confirm login password'. The second section is 'Password enter login screen', which also has a toggle switch turned on. It contains three input fields: 'original password enter login screen' (with a red warning message 'original password73194653.'), 'new password enter login screen', and 'confirm password enter login screen'. At the bottom of the screen is a large blue button labeled 'Confirm the change'.

Attention: change your password as quickly as possible to ensure the safety of machine.

How to fill the aisle with goods

Open the door, then close it to fill goods.



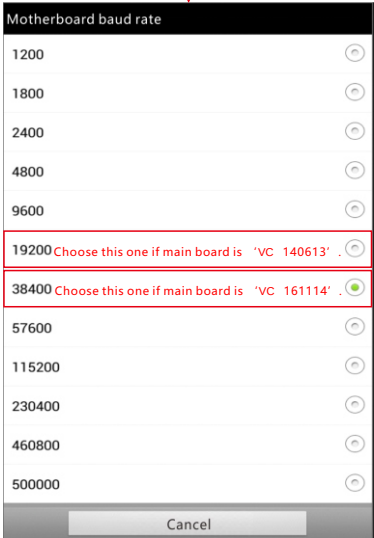
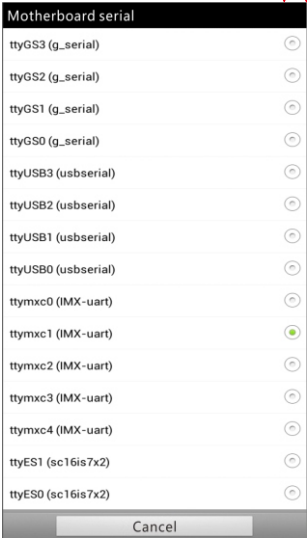
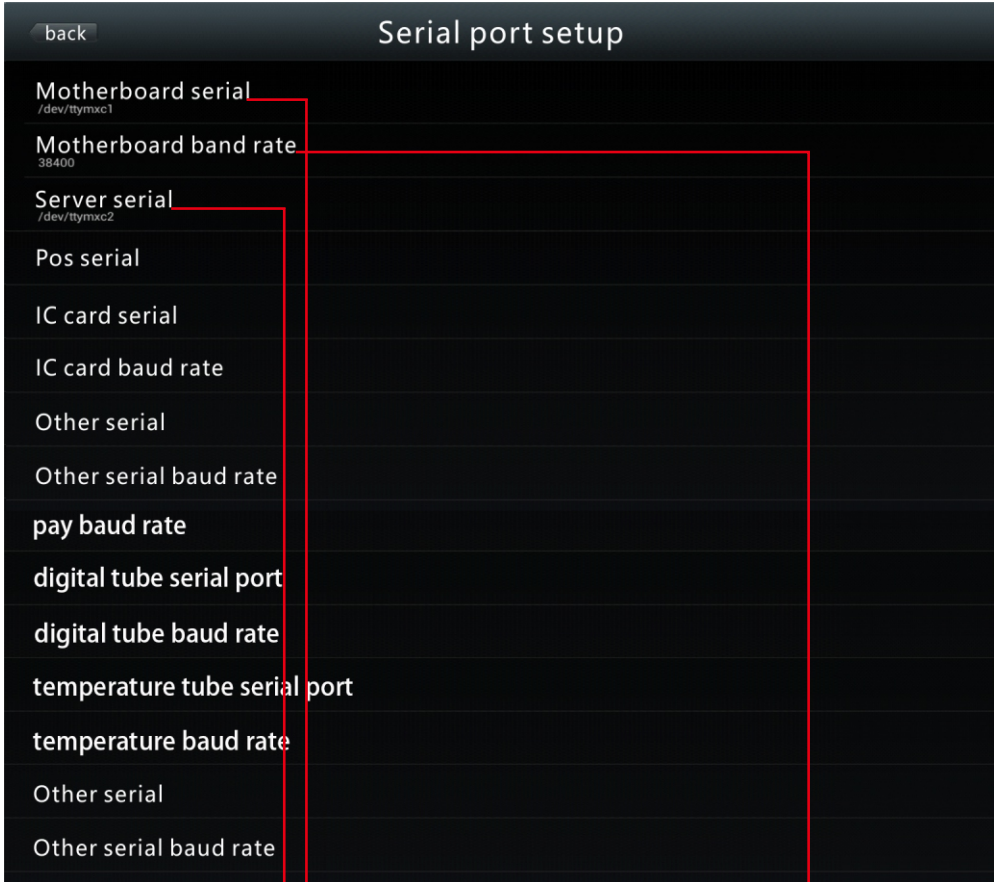
- 1、 Fill all aisles with goods then click 'Confirm' , all the stock quantity will be equal to slot capacity.
- 2、 When the door is closed over 10 seconds or click 'Cancel' , stock quantity won' t be refreshed.

Details of setting machine

Serial port management

Click 'Serial port settings' to enter the page of setting serial port.

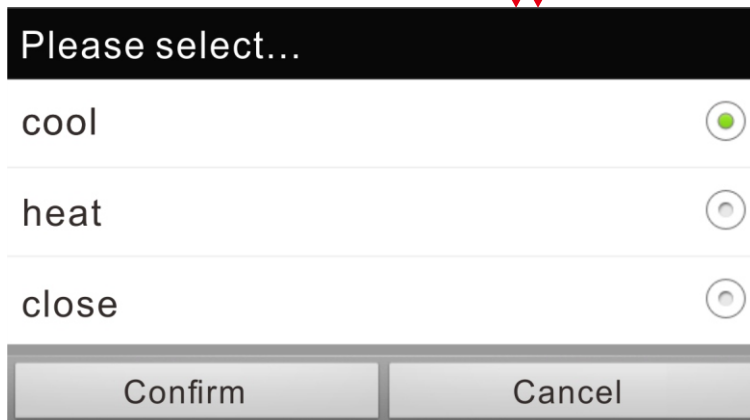
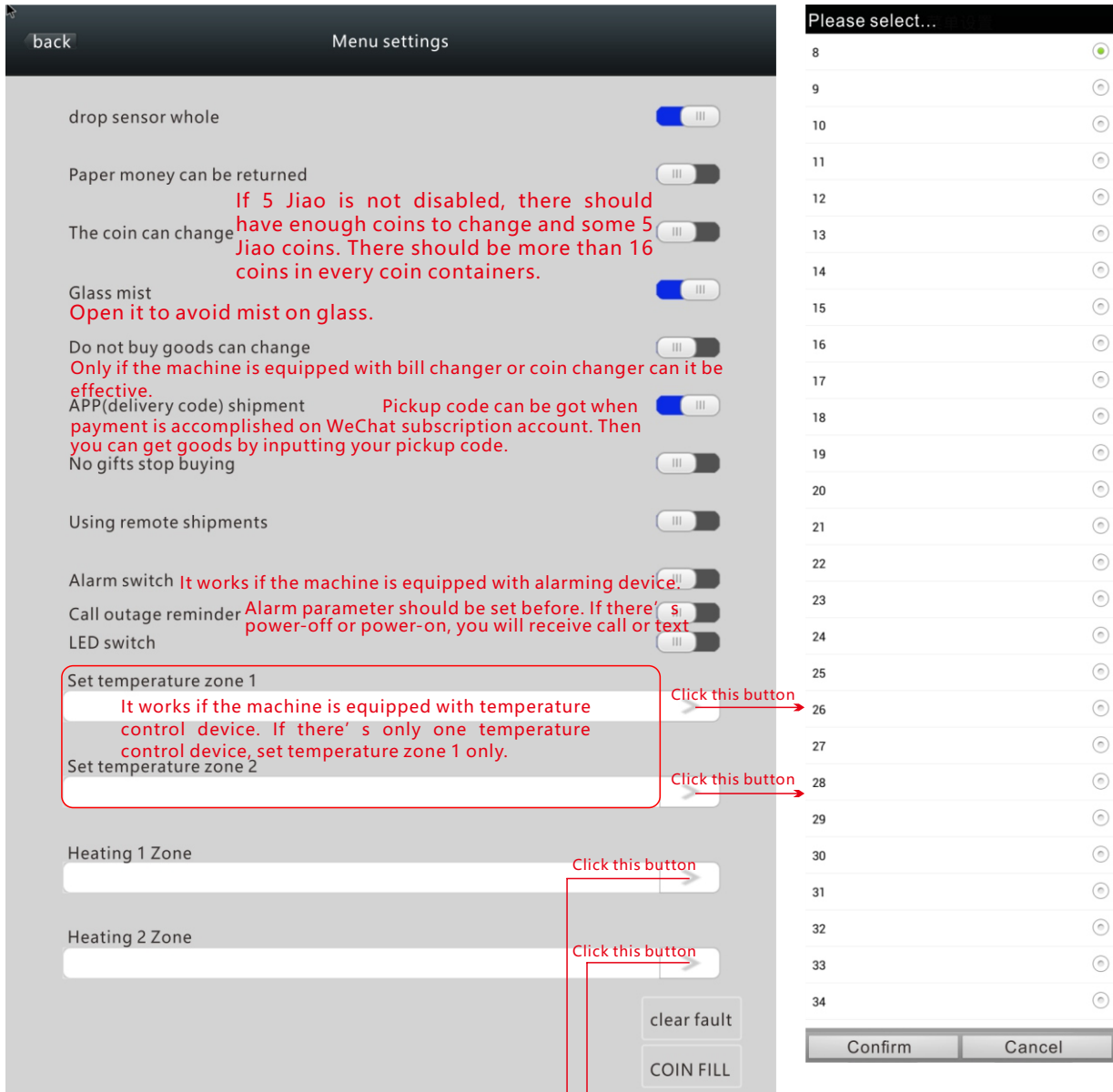
The machine has set all parameters at factory. Please don't change the parameter casually, or your machine may not work.



Details of setting machine

Menu settings

Click 'Menu settings' to enter menu setting page.



Details of setting machine

Menu settings

Click 'Menu settings' to enter menu setting page.

The screenshot shows the 'menu settings' interface with several sub-menus accessible via red arrows:

- query fault**: leads to 'query board faults' and 'clear fault'.
- clear fault**: leads to 'clean board faults'.
- query board faults**: leads to 'query'.
- clean board faults**: leads to 'clean'.
- shipment inspection**: leads to 'no goods'.
- return origin**: leads to 'success'.
- port door control**: leads to 'open' and 'close'.
- diaphragm switch**: leads to 'open' and 'close'.
- temperature control**: leads to 'set'.
- set lifter group number**: leads to 'set'.
- query params**: leads to 'query'.
- setting parameters(cautious change!)**: leads to 'set'.
- set to spring slot (cautious change!)**: leads to 'set'.
- all set to spring slot (cautious change!)**: leads to 'set'.
- split into a single slot (cautious change!)**: leads to 'split'.
- all set to single slot (cautious change!)**: leads to 'set'.
- set to belt slot (cautious change!)**: leads to 'set'.
- all set to belt slot (cautious change!)**: leads to 'set'.
- merge with the next slot (cautious change!)**: leads to 'merge'.
- query slot**: leads to '1'.

The sub-menus are as follows:

- select the group number!**: A list of numbers 0-9 with radio buttons. Bottom buttons: confirm, cancel.
- select the number of floor and the direction!**: A list of floor and direction combinations (e.g., 1(A->B), 1(B->A), etc.) with radio buttons. Bottom buttons: confirm, cancel.
- please select layer number!**: A list of layer numbers 1-8 with radio buttons. Bottom buttons: confirm, cancel.
- Please select control action!**: A list of control actions (cool, heat, close) with radio buttons. Bottom buttons: Confirm, Cancel.
- please select query parameters!**: A list of 45 query parameters (0-45) with radio buttons. Bottom buttons: confirm, cancel.

Details of setting machine

Program update

Click 'Program update' to enter the updating program page.



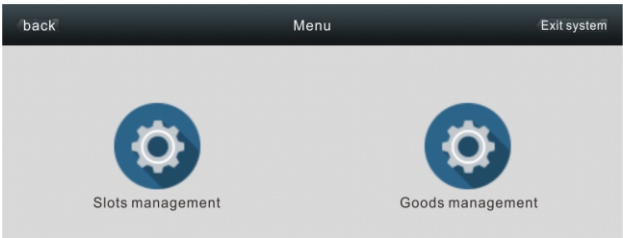
Sales data

Click 'Sales data' then click 'get sales data', and the sales data will be showed

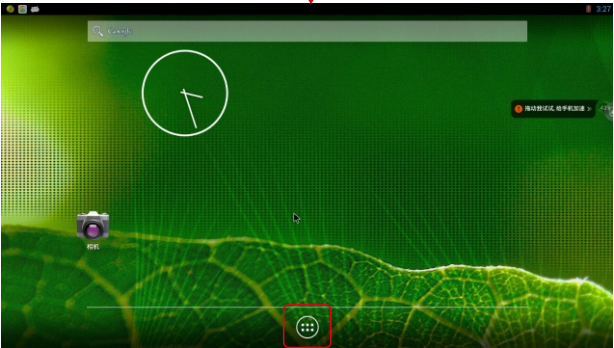


Goods pictures and ads management

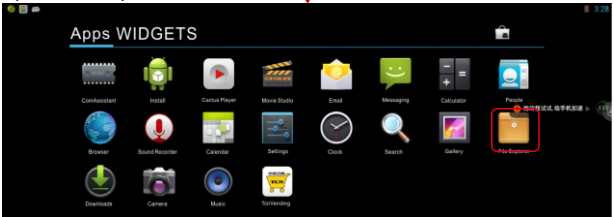
Click 'Exit system' to exit sales system.



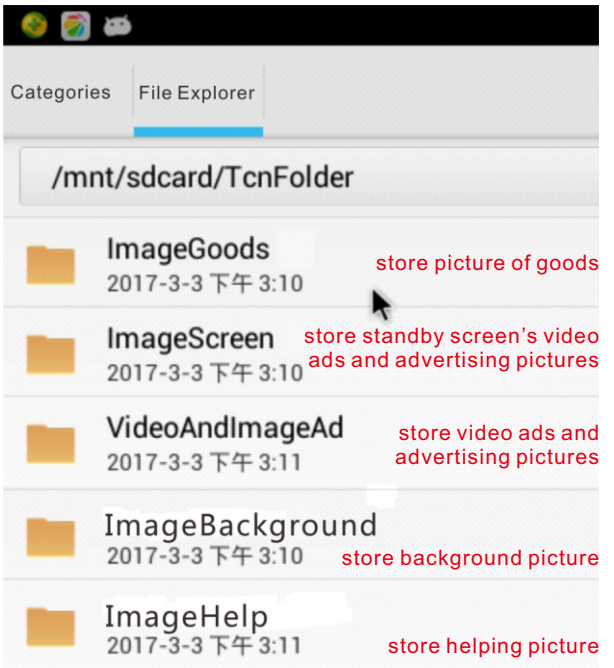
Click the icon at the bottom of the screen.



Click this button to open file explorer.



Enter '/mnt/sdcard/VC Folder ', and copy your files to appropriate folder.



Goods pictures and ads management

Parameters of picture and video for 7-inch screen

Screen resolution	Display	Type	File resolution	Folder	Support format
800x480	Vertical screen	Goods picture	About 150x150	VC Folder\ImageGoods	jpg, jpeg, png
800x480	Vertical screen	Video & picture ads(not standby display)	480x270	VC Folder\VideoAndImageAd stores local ads, VC Folder\VideoAndImage Remote stores remote downloading ads.	mp4, mkv, avi, wmv, flv, jpg, jpeg, png
800x480	Vertical screen	Full standby video & picture ads	480x765	VC Folder\ImageScreen	mp5, mkv, avi, wmv, flv, jpg, jpeg, png
800x480	Vertical screen	Background picture	480x765	VC Folder\ImageBackground	jpg, jpeg, png
800x480	Vertical screen	Aids picture	Max width: 480 Max height: 450	VC Folder\ImageHelp	jpg, jpeg, png, gif
1280x800	Vertical screen	Goods picture	About 270x270	VC Folder\ImageGoods	jpg, jpeg, png
1280x800	Vertical screen	Video & picture ads (not standby display)	800x450	VC Folder\VideoAndImageAd stores local ads, VC Folder\VideoAndImage Remote stores remote downloading ads.	mp4, mkv, avi, wmv, flv, jpg, jpeg, png
1280x800	Vertical screen	Full standby video & picture ads	800x1235	VC Folder\ImageScreen	mp5, mkv, avi, wmv, flv, jpg, jpeg, png
1280x800	Vertical screen	Background picture	800x1235	VC Folder\ImageBackground	jpg, jpeg, png
1280x800	Vertical screen	Aids picture	Max width: 800 Max height: 600	VC Folder\ImageHelp	jpg, jpeg, png, gif
1024x600	Vertical screen	Goods picture	About 200x200	VC Folder\ImageGoods	jpg, jpeg, png
1024x600	Vertical screen	Video & picture ads (not standby display)	600x338	VC Folder\VideoAndImageAd stores local ads, VC Folder\VideoAndImage Remote stores remote downloading ads.	mp4, mkv, avi, wmv, flv, jpg, jpeg, png
1024x600	Vertical screen	Full standby video & picture ads	600x978	VC Folder\ImageScreen	mp5, mkv, avi, wmv, flv, jpg, jpeg, png
1024x600	Vertical screen	Background picture	600x978	VC Folder\ImageBackground	jpg, jpeg, png
1024x600	Vertical screen	Aids picture	Max width: 600 Max height: 500	VC Folder\ImageHelp	jpg, jpeg, png, gif
1024x600	Horizontal screen	Goods picture	About 200x200	VC Folder\ImageGoods	jpg, jpeg, png
1024x600	Horizontal screen	Video & picture ads (not standby display)	420x560	VC Folder\VideoAndImageAd stores local ads, VC Folder\VideoAndImage Remote stores remote downloading ads.	mp4, mkv, avi, wmv, flv, jpg, jpeg, png
1024x600	Horizontal screen	Full standby video & picture ads	1024x560	VC Folder\ImageScreen	mp5, mkv, avi, wmv, flv, jpg, jpeg, png
1024x600	Horizontal screen	Background picture	604x560	VC Folder\ImageBackground	jpg, jpeg, png
1024x600	Horizontal screen	Aids picture	Max width: 580 Max height: 430	VC Folder\ImageHelp	jpg, jpeg, png, gif

Attention:

- 1、Ads are showed on standby screen when the machine is horizontal display. So the video ads should be put into 'ImageScreen' folder, and 'Standby advertisement display' should be opened.
- 2、If you need to play several videos and ads pictures, these ads files should be put into the same folder.
- 3、Machine should be restarted if you change videos and pictures.
- 4、Background picture is a picture behind the goods pictures.
- 5、Helping picture is a picture showed after clicking 'Help' .

Instruction manual of Android touch screen vending machine

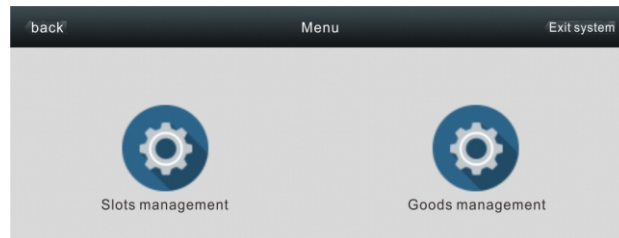
Goods pictures and ads management

Picture & Video parameter(It can be adapted to screen except 7-inch touch screen)

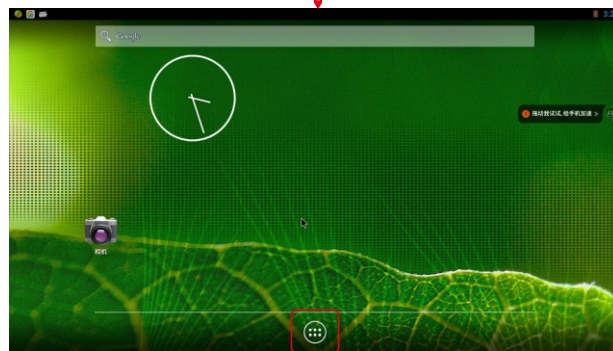
Screen resolution	Display	Type	File resolution	Folder	Support format
1920x1080	No limit	Goods picture	About 420x420	VC Folder\ImageGoods	jpg, jpeg, png
1920x1080	Half vertical screen	Video & picture ads(not full screen)Video & picture ads (not standby display)	1080x608	VC Folder\VideoAndImageAd stores local ads, VC Folder\VideoAndImageRemote stores remote downloading ads.	mp4, mkv, avi, wmv, flv, jpg, jpeg, png
1920x1080	Half vertical screen	Half standby video & picture ads	1080x1212	VC Folder\ImageScreen	mp5, mkv, avi, wmv, flv, jpg, jpeg, png
1920x1080	Half vertical screen	Full standby video & picture ads	1080x1820	VC Folder\ImageScreen	mp5, mkv, avi, wmv, flv, jpg, jpeg, png
1920x1080	Half vertical screen	Standby video & picture ads	1080x1820	VC Folder\ImageScreen	mp5, mkv, avi, wmv, flv, jpg, jpeg, png
1920x1080	Horizontal screen	Standby video & picture ads	1920x980	VC Folder\ImageScreen	mp5, mkv, avi, wmv, flv, jpg, jpeg, png
1920x1080	Half vertical screen	Background picture	1080x1212	VC Folder\ImageBackground	jpg, jpeg, png
1920x1080	Full vertical screen	Background picture	1080x1820	VC Folder\ImageBackground	jpg, jpeg, png
1920x1080	Horizontal screen	Background picture	1920x980	VC Folder\ImageBackground	jpg, jpeg, png
1920x1080	Half vertical screen	Aids picture	Max width: 1060 Max height: 1080	VC Folder\ImageHelp	jpg, jpeg, png, gif
1920x1080	Full vertical screen	Aids picture	Max width: 1060 Max height: 1690	VC Folder\ImageHelp	jpg, jpeg, png, gif
1920x1080	Horizontal screen	Aids picture	Max width: 1820 Max height: 850	VC Folder\ImageHelp	jpg, jpeg, png, gif
1366x768	No limit	Goods picture	About 290x290	VC Folder\ImageGoods	jpg, jpeg, png
1366x768	Half vertical screen	Video & picture ads (not standby display)	768x432	VC Folder\VideoAndImageAd stores local ads, VC Folder\VideoAndImageRemote stores remote downloading ads.	mp4, mkv, avi, wmv, flv, jpg, jpeg, png
1366x768	Half vertical screen	Half standby video & picture ads	768x864	VC Folder\ImageScreen	mp5, mkv, avi, wmv, flv, jpg, jpeg, png
1366x768	Half vertical screen	Full standby video & picture ads	768x1296	VC Folder\ImageScreen	mp5, mkv, avi, wmv, flv, jpg, jpeg, png
1366x768	Half vertical screen	Standby video & picture ads	768x1296	VC Folder\ImageScreen	mp5, mkv, avi, wmv, flv, jpg, jpeg, png
1366x768	Horizontal screen	Standby video & picture ads	1366x698	VC Folder\ImageScreen	mp5, mkv, avi, wmv, flv, jpg, jpeg, png
1366x768	Half vertical screen	Background picture	768x864	VC Folder\ImageBackground	jpg, jpeg, png
1366x768	Full vertical screen	Background picture	768x1296	VC Folder\ImageBackground	jpg, jpeg, png
1366x768	Horizontal screen	Background picture	1366x698	VC Folder\ImageBackground	jpg, jpeg, png
1366x768	Half vertical screen	Aids picture	Max width: 758 Max height: 774	VC Folder\ImageHelp	jpg, jpeg, png, gif
1366x768	Full vertical screen	Aids picture	Max width: 758 Max height: 1206	VC Folder\ImageHelp	jpg, jpeg, png, gif
1366x768	Horizontal screen	Aids picture	Max width: 1356 Max height: 608	VC Folder\ImageHelp	jpg, jpeg, png, gif
1360x768	No limit	Goods picture	About 290x290	VC Folder\ImageGoods	jpg, jpeg, png
1360x768	Half vertical screen	Video & picture ads (not standby display)	768x432	VC Folder\VideoAndImageAd stores local ads, VC Folder\VideoAndImageRemote stores remote downloading ads.	mp4, mkv, avi, wmv, flv, jpg, jpeg, png
1360x768	Half vertical screen	Half standby video & picture ads	768x858	VC Folder\ImageScreen	mp5, mkv, avi, wmv, flv, jpg, jpeg, png
1360x768	Half vertical screen	Full standby video & picture ads	768x1290	VC Folder\ImageScreen	mp5, mkv, avi, wmv, flv, jpg, jpeg, png
1360x768	Full vertical screen	Standby video & picture ads	768x1290	VC Folder\ImageScreen	mp5, mkv, avi, wmv, flv, jpg, jpeg, png
1360x768	Horizontal screen	Standby video & picture ads	1360x698	VC Folder\ImageScreen	mp5, mkv, avi, wmv, flv, jpg, jpeg, png
1360x768	Half vertical screen	Background picture	768x858	VC Folder\ImageBackground	jpg, jpeg, png
1360x768	Full vertical screen	Background picture	768x1290	VC Folder\ImageBackground	jpg, jpeg, png
1360x768	Horizontal screen	Background picture	1360x698	VC Folder\ImageBackground	jpg, jpeg, png
1360x768	Half vertical screen	Aids picture	Max width: 758 Max height: 768	VC Folder\ImageHelp	jpg, jpeg, png, gif
1360x768	Full vertical screen	Aids picture	Max width: 758 Max height: 1200	VC Folder\ImageHelp	jpg, jpeg, png, gif
1360x768	Horizontal screen	Aids picture	Max width: 1350 Max height: 608	VC Folder\ImageHelp	jpg, jpeg, png, gif

Copy log

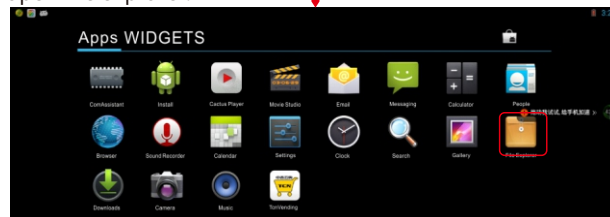
Click 'Exit system' to exit sales system.



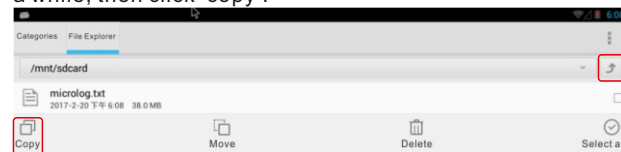
Click the icon at the bottom of the screen.



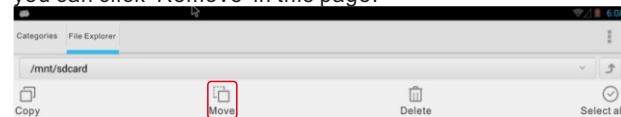
Click this button to open file explorer.



Enter folder '/mnt/sdcard' and press log file 'microlog.txt' for a while, then click 'copy'.



Insert U disk. Click 'Back' to enter folder '/mnt/usb', then you can click 'Remove' in this page.

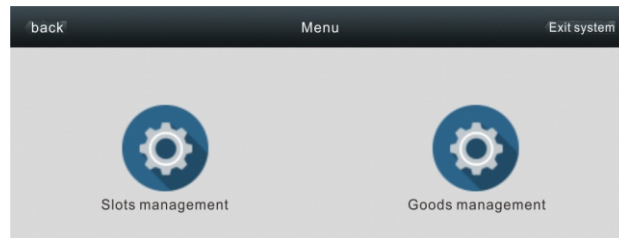


Pull U disk out after cutting off power, then restart machine.

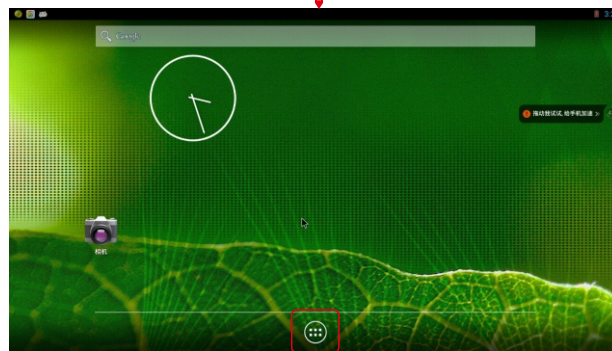
Attention: right-click can turn back if control with mouse.

Sound settings

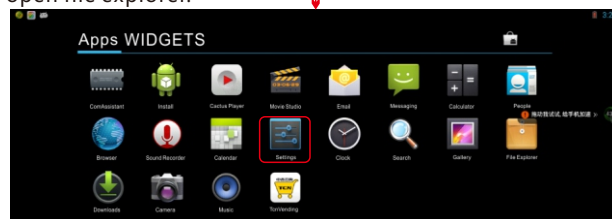
Click 'Exit system' to exit sales system.



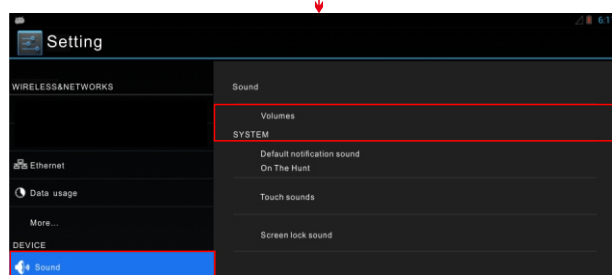
Click the icon at the bottom of the screen.



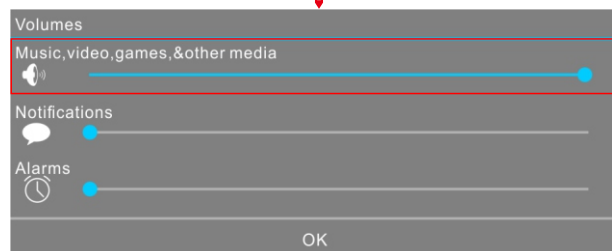
Click this button to open file explorer.



Click 'Setting'.



Click 'Sound', then click 'Volumes'.

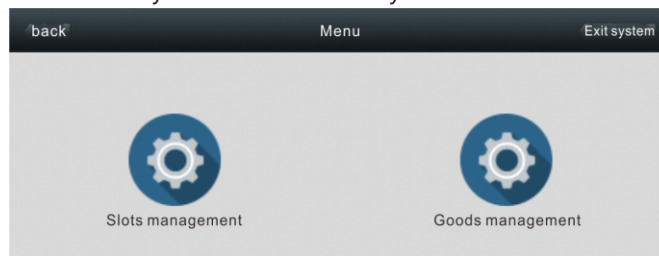


Operate the machine as the guide picture shows.

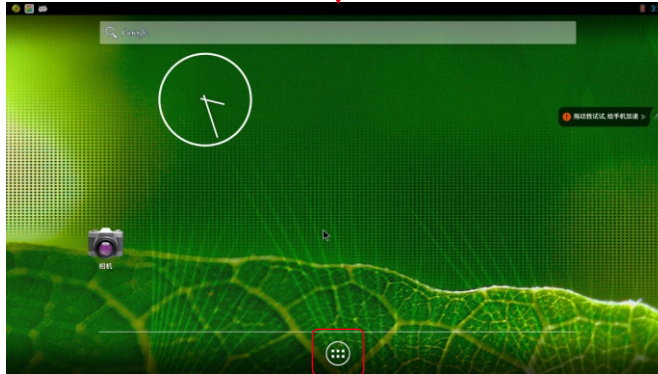
Only if the power is cut off and restart machine can the machine exit the page.

Language settings

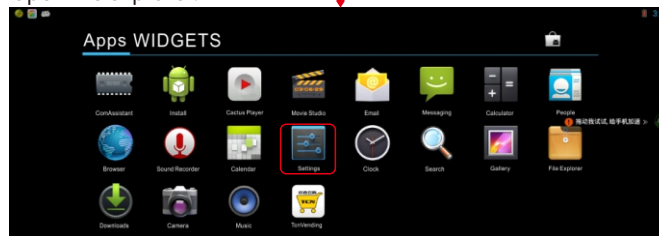
Click 'Exit system' to exit sales system.



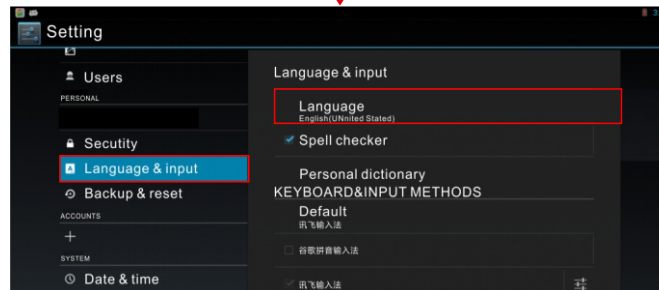
Click the icon at the bottom of the screen.



Click this button to open file explorer.



Click 'Language & input' then click 'language'.



Choose the language you want (it will be reserved automatically).

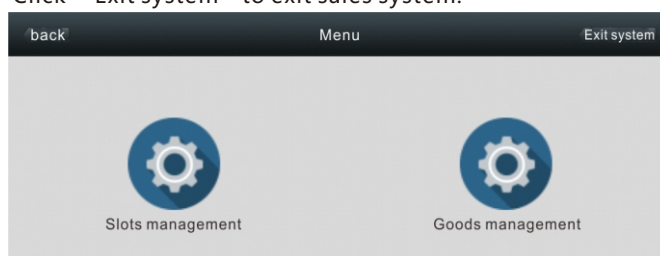


The application's language follows the system.

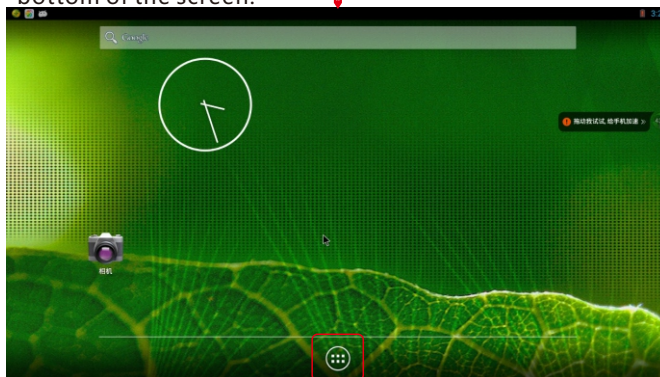
Only if the power is cut off and restart machine can the machine exit the page.

Serial port tests

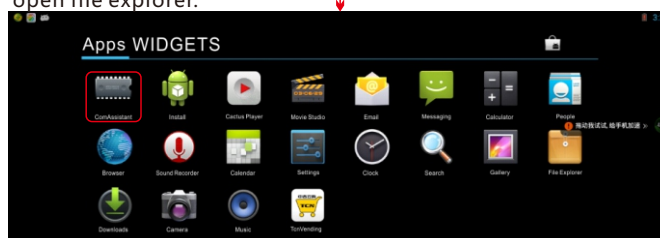
Click 'Exit system' to exit sales system.



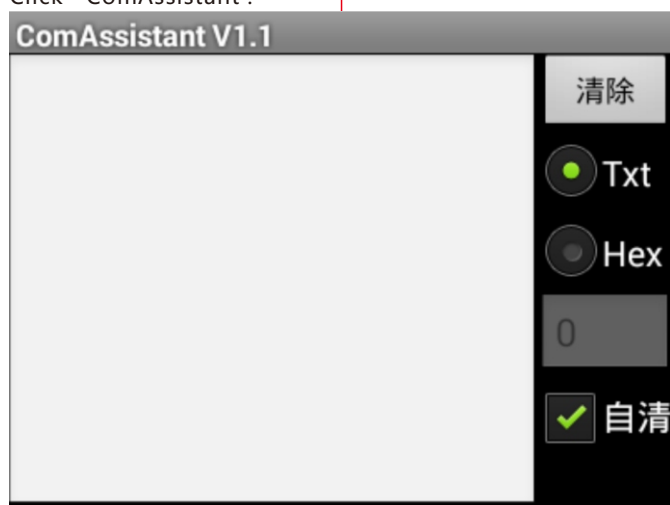
Click the icon at the bottom of the screen.



Click this button to open file explorer.



Click 'ComAssistant'.



Serial port tests

Operate the machine as the guide picture shows.

ComAssistant V1.1

Set all the parameters and click send button.
If serial port communication is good, data will be showed here. If board baud rate is set too large, messy code may be showed. If serial port is obstructed, no data will be returned. (appear blank).

清除

☒ Txt
☐ Hex

0

☒ 自清

接主板选择模式Txt,
接驱动板选择模式HEX。

Input and send appropriate code here:
Command for New board to get slots information:
\$\$\$|C|315%%
Command for old board to get slots information:
\$\$\$|F|70%%

/dev/ttyS1

38400

500 ms 自动 发送

OPEN

Click this to open serial port(green color shows that serial port is successfully opened)

All parameters are set already then click send button.

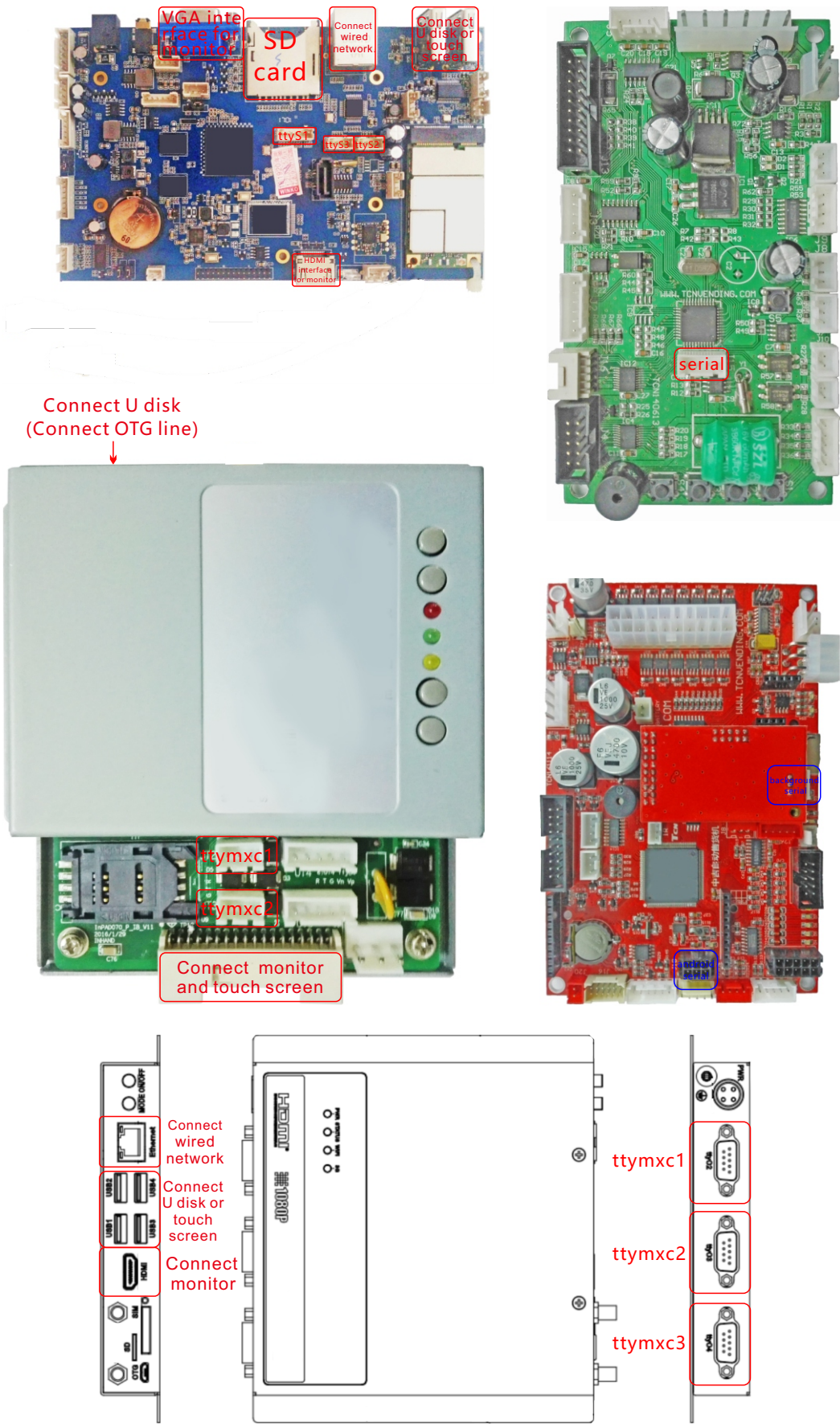
Click this to choose board baud rate.

Click this to choose serial port number.

1800	☐
2400	☐
4800	☐
9600	☐
19200	☐
38400	☒
57600	☐
115200	☐

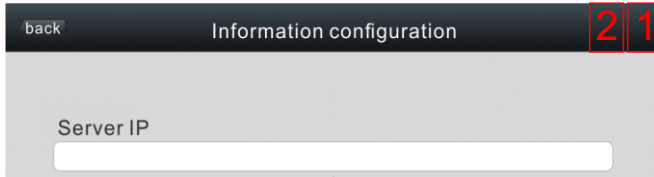
/dev/ttyS3	☐
/dev/ttyS2	☐
/dev/ttyS1	☒
/dev/ttyS0	☐

Main board interfaces

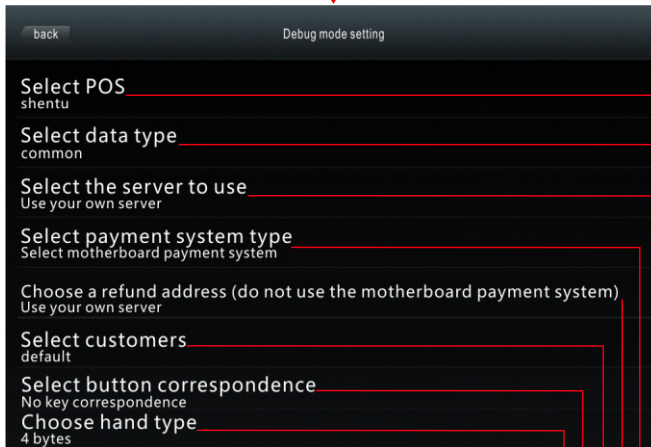


Debug mode

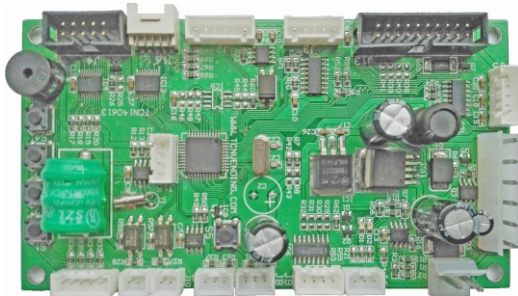
Enter menu of configuration.



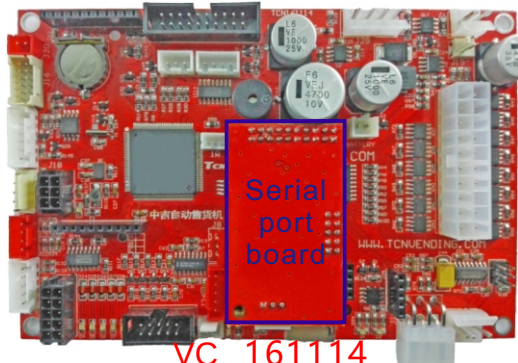
Press location 1 for one second then press location 2 for one second.



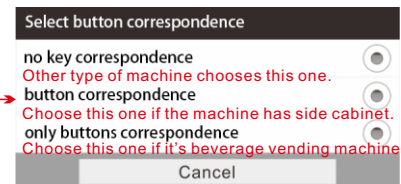
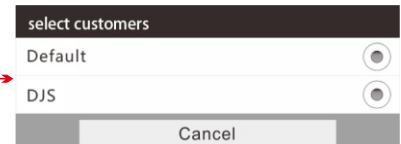
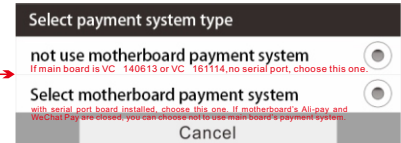
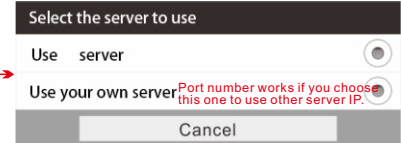
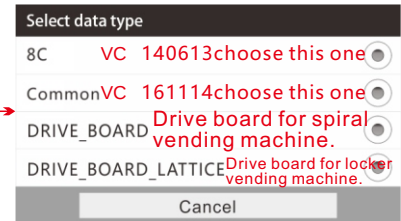
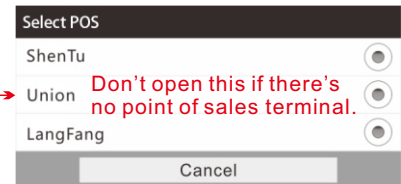
All settings works after turning off the power and restarting.



VC 140613

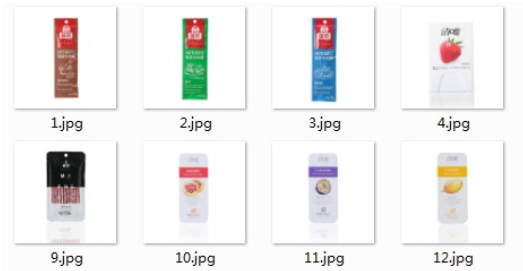


VC 161114



Update info with U disk

- 1、 Create a folder 'VC ImageGoods' , then put goods pictures into this folder. And copy this folder to U disk' s root directory.



- 2、 Create a Excel file called 'VC_product.xlsx' to input goods information as the picture below shows. Copy this file to U disk' s root directory.

slot number	product name	types of goods	product introduction	pictures of goods	product code	price	stock quantity	slot capacity
1	yili	milk		1. jpg	12345	1	5	199
2	yili	milk		2. jpg	12346	1	5	199
3	yili	milk		3. jpg	12347	1	5	199

- 3、 It will restart automatically when the machine has detected 'VC_product.xlsx' . (If not restart, please restart by your own).
- 4、 Close the door and wait machine' s loading. It can copy U disk' s pictures to machine and change the goods information automatically.

Remote modification of slots information

- 1、 Make sure the door is closed and locked.
- 2、 Use WeChat subscription account or browser to log in background system to download and match goods information.
- 3、 Choose corresponding vending machine and slot, then you can set price, slot capacity and goods picture, etc.
- 4、 The background system' s settings can be synchronized to the machine by opening background system synchronization.

