



User Manual for Automatic Ice Cream Vending Machine

Model JI-ICE-D2-133(22SP)

Thank you for purchasing our automatic vending machine.

- Please read carefully this instruction and make sure you fully understand it before using this machine in case of accidents or other possible danger.

This is a picture of the machine. This picture is for reference only! Machine function and operating



Contents

1. Safety warnings
2. Instructions for use
3. Machine setting
4. 7" screen debugging function details
5. Cleaning and maintenance
6. Attentions
7. Error code
8. Warranty card
9. Parts
10. Certificate of quality/packing list

This is a picture of the machine and it is for reference only! Machine function and operating instruction contents are subject to change without prior notice. After reading the User Manual, please keep it well for future reference.

1

Safety warnings

Please carefully read the safety warnings for proper use of the machine.

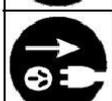
Categories and Meanings of Warning Signs

Precautions in the User Manual indicate important rules related to safety and shall be strictly observed. Categories and meanings of warning signs are as follows:

- Contents of Warnings/Cautions

 Warnings	Risk of death or injury
 Cautions	Risk of injury or machine damage

- Contents of Warnings/Cautions

	Not to do		No disassembling
			No touching
	To do		Grounding required
			Unplugging required
	Risks		Risk of breakage
			Risk of electrical shock
			Risk of pinching hands
			Risk of catching fire

- After reading the User Manual, please keep it well for others' reference

Please carefully read the safety warnings for proper use of the machine.

Warnings

Unpacking, installation and handling of the machine by professionals.



Improper installation might cause toppling, electrical shock, fire or burn.

No disassembling



Risk of accidents..

Grounding required



The power socket shall be a three-pin socket with a grounding terminal. Grounding shall not be done via a gas pipe, water pipe, telephone line or lightning rod. The grounding resistance of the grounding terminal shall be less than 4Ω . Otherwise there will be a risk of electrical shock!

Do not add inflammable/explosive raw materials



Risk of breakage that

Do not add combustibles



Risk of explosion or fire

No climbing, shaking or inclining



Risk of toppling

Do not use combustibles near the automatic vending machine



Risk of explosion or fire disaster

Please carefully read the safety warnings for proper use of the machine.

Warnings

<p>Do not put a wet hand on an electric machine</p>	<p>Do not damage or pull the power cable hard</p>
<p> Risk of electrical shock</p>	<p>  Damage of the power socket or the power cable might cause fire disaster or electrical shock.</p>
<p>Unplug upon abnormalities</p>	<p>Do not use untreated electric components after fire disaster, etc.</p>
<p> Ignorance of off-flavor, smoke or fire and other abnormalities might cause electrical shock or fire disaster. At this time, please unplug the power socket immediately and contact the professional maintenance personnel.</p>	<p> Do not use them again until water, mud and dust are all removed, insulation recovery is confirmed and professional maintenance personnel retest and reassemble them to verify their normal performance</p>
<p>Repair by professionals</p>	<p>Do not put it in the children's playground</p>
<p> The original parts shall be used to replace accessories, otherwise there is risk of electrical shock, fire disaster or injury</p>	<p> Risk of injury in case of toppling or breakage of the machine</p>
<p>Do not pour water onto electric components</p>	<p>Cutting off power for replacement of electric parts</p>
<p> Risk of electrical shock</p>	<p> Risk of electrical shock or damage in machine parts.</p>

Please carefully read the safety warnings for proper use of the machine.



Warnings

<p>Discuss with professionals how to place it in any of the following places</p> <div style="display: flex; align-items: center; margin-top: 10px;">  <ul style="list-style-type: none"> • A place where sea wind or corrosive gas erodes • A place subject to shaking or vibration </div>	<p>Up to the rated power supply capacity</p> <div style="display: flex; align-items: center; margin-top: 10px;">  <p>Risk of fire disaster if not up to the rated power supply capacity or if far below the rated power supply capacity</p> </div>
<p>Discuss with related departments about how to place it in any of the following places</p> <div style="display: flex; align-items: center; margin-top: 10px;">  <ul style="list-style-type: none"> • A place that might hinder traffic • Near the road markings or signal lamp • Near the fire-fighting equipment • A place with combustibles or combustible gases (e.g. gas station) • A sheltering road or sheltering facilities </div>	<p>Do not bind power cables</p> <div style="display: flex; align-items: center; margin-top: 10px;">  <p>Risk of fire disaster or electrical shock after generating heat</p> </div>
<p>Use a separate power socket</p> <div style="display: flex; align-items: center; margin-top: 10px;">  <p>Using a prolonged power cable or using a power socket jointly with other products might cause fire disaster.</p> </div>	<p>Fix the open door</p> <div style="display: flex; align-items: center; margin-top: 10px;">  <p>Risk of pinching</p> </div>
<p>Verify that there is no car or pedestrian around before opening its door</p> <div style="display: flex; align-items: center; margin-top: 10px;">  <p>Risk of injuries or accidents.</p> </div>	<p>Avoid the entry of rain or snow into its electric components</p> <div style="display: flex; align-items: center; margin-top: 10px;">  <p>Risk of electrical shock or machine damage</p> </div>
<p>Do not touch internal action components</p> <div style="display: flex; align-items: center; margin-top: 10px;">  <p>Risk of injury or machine</p> </div>	

1. Safety warnings

Please carefully read the safety warnings for proper use of the machine.



Warnings

Do not sell flammable or explosive commodities	Be careful when closing the door
   <p>Risk of explosion, electrical shock and fire disaster.</p>	 <p>Risk of pinching hands</p>
Do not sell unlisted commodities	Management of daily sanitation
 <p>Risk of accidents when deformed or spoiled commodities are sold.</p>	 <p>Risk of accident</p>
Keep the power cable off heating appliances	Regular removal of water from inside the machine
  <p>Risk of fire disaster or electrical shock</p>	 <p>Risk of polluting the ground</p>
Avoid hand injuries during the cleaning of condenser and evaporator	Check whether fixed metal pieces are loose once every 6 months
 <p>Risk of hand injuries when the cooling fins of the condenser and of the evaporator are touched.</p>	 <p>Risk of toppling.</p>
Check and testing the leakage circuit breaker every month	Check power cable and power socket every half year
 <p>Risk of electrical shock.</p>	  <p>Risk of electrical shock or fire disaster caused by dust, looseness, breakage or poor contact.</p>

1. Safety warnings

Please carefully read the safety warnings for proper use of the machine.



Warnings

Make warning signs legible to customers



Please clean and change them regularly.
Accidents cannot be avoided if warning signs are illegible.

Lock for safekeeping of the automatic vending machine



Risk of accidents

Repair the machine by professionals when the leakage circuit breaker works



Risk of electrical shock and fire disaster

Recover refrigerant when discarding the equipment



In order to protect the environment, please contact professionals to recover refrigerant when discarding the equipment.

When the power cable is damaged



When the power cable is damaged, in order to avoid danger, the machine shall be disused and shall be replaced by professionals.

2

Instructions for use

2.1 Name of each part

(1) External names

Light
box(optional)

Camera(optional)

21.5" touch screen

Bill validator(optional)

Card reader(optional)

Coin changer(optional)

Coin returning slot

Pick-up door

Wheels



(图片仅供参考,操作时以实际机器为准)

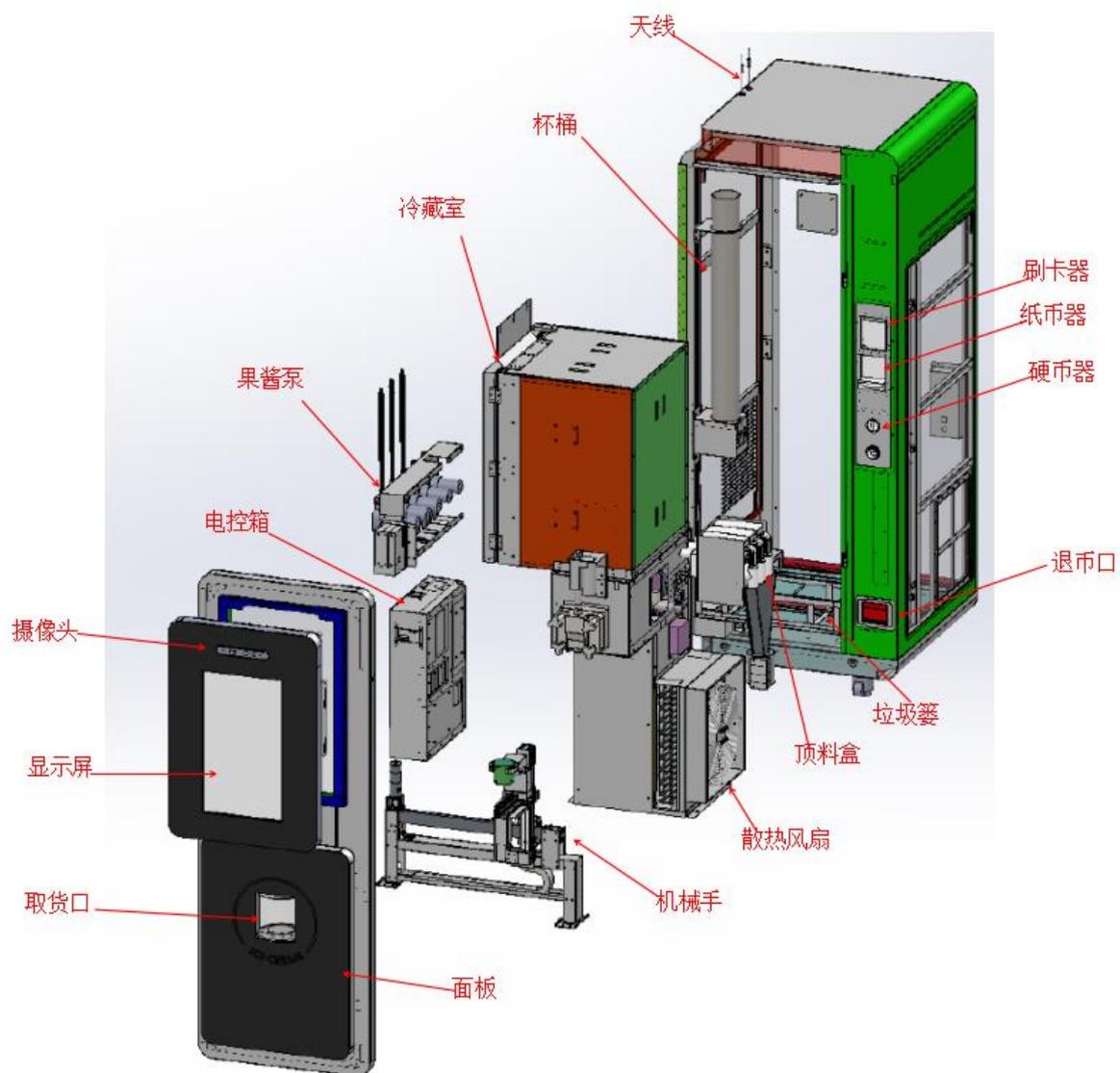
Machine length * width * height=740mm*852mm*1880mm

Voltage: AC 120V

Rated power: 2000W

(图片仅供参考,操作时以实际机器为准)

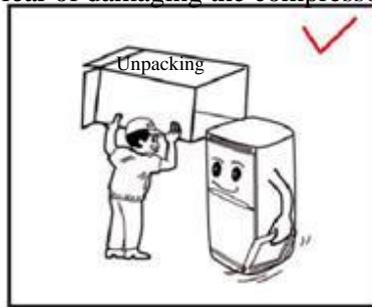
(2) Internal parts



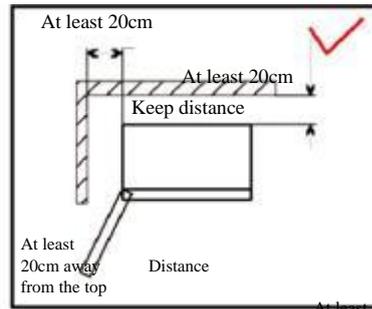
2.2 What to do before use

2. Instructions for use

1. After receiving the machine, firstly check whether package is in good condition. In case of breakage, please negotiate with logistics and call the Company.
2. Please remove all packaging materials before use, such as wood plate, protective film, foam and ribbon.
3. Place the machine in the business location, which should be dry, ventilated and away from heat, rain, excessively low temperature and water. The ground shall be solid, smooth and steady, with left, right and back of the machine being more than 20cm away from the wall.
4. The machine can be switched on at least 30 minutes after it is put in place, so as to ensure its normal operation. Its refrigeration system can be started up at least 4-5 hours after it is put in place for fear of damaging the compressor.



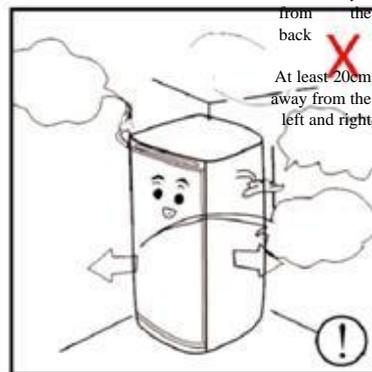
Keep off heat



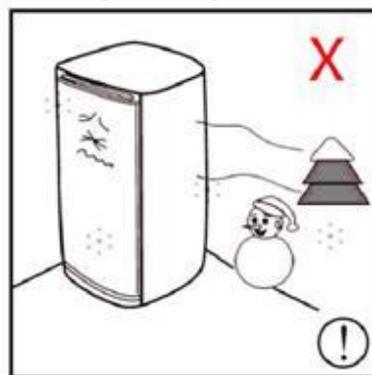
At least 20cm away from the back



Keep off water



Keep off low temperature



Grounding required

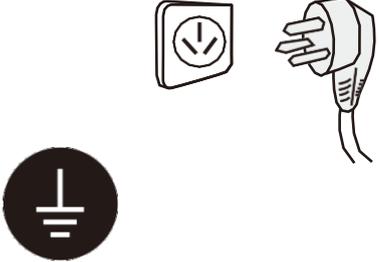
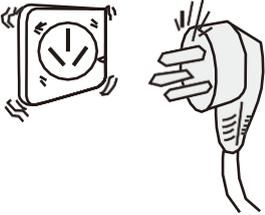


Alarm

The vending machine shall be grounded! A machine cannot be used before being grounded! Otherwise there will be serious hidden dangers!

2.3 Safety precautions

2. Instructions for use

<p>1. AC 220V/50Hz power supply shall be used. Over 200-240V voltage might cause machine halt.</p> 	<p>2. A reliably grounded three-pin socket shall be used, otherwise there might be electrical shock. After the machine is installed in place, make sure that the socket is easy to plug and unplug.</p> 
<p>3. Do not damage the power cable.</p> <ol style="list-style-type: none">Be sure to hold the plug (do not directly pull the power cable) and directly pull the plug out of socket.Prevent the machine from pressing the power cable or avoid man-made trampling on the power cable.Be careful when you move the machine to the wall. Do not bruise or damage the power cable.Do not use a damaged power cable or a worn plug. You need to replace it at a maintenance station designated by the manufacturer. 	<p>4. Unplug the machine when you clean, maintain or replace accessories of the machine for fear of electrical shock. You need to use accessories of the original manufacturer to replace the damaged ones.</p> 
<p>5. Unauthorized dismantling or transformation of the machine is not allowed. The machine shall be repaired by professionals.</p> 	<p>6. Please take your commodity away immediately after the pickup slot is open.</p> <p>Note: A spoon is at the bottom of a cup!</p> 

3

Machine settings

3.1 Description of goods choosing and buying interface



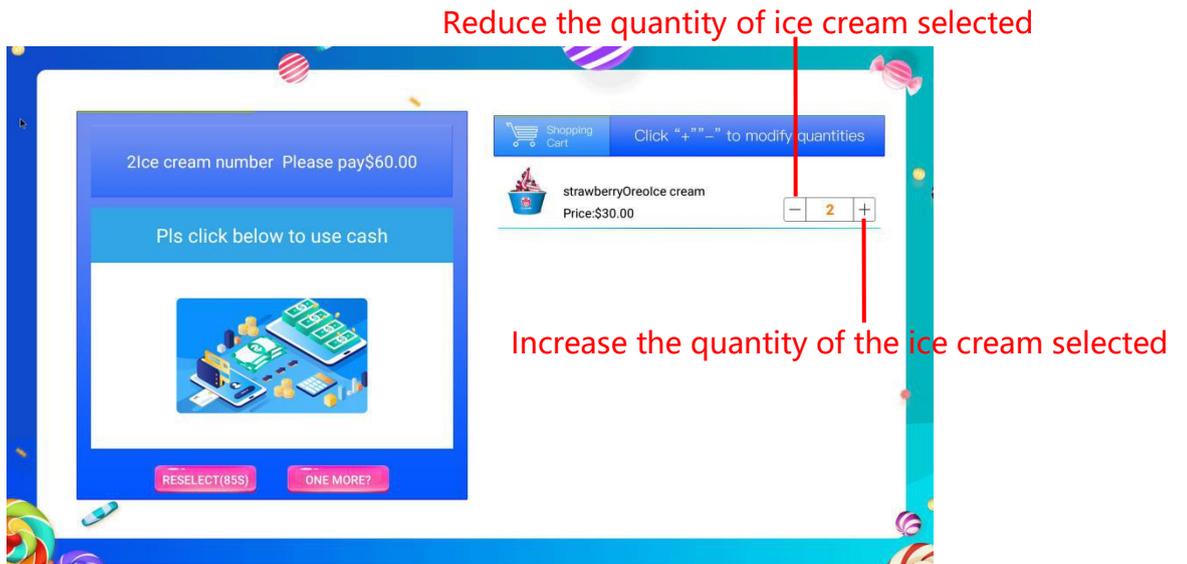
You can either or not one of the jams and one the nuts and then click “Buy now” or click “Add to cart” to buy a second cup, with “Add to cart” you can buy up to 5 cups.

Standby videos

Video displaying can be configured in menu “Information settings” , before that you need to first upload videos/images to the machine and chapter 3.14 will give advice on how to do that.

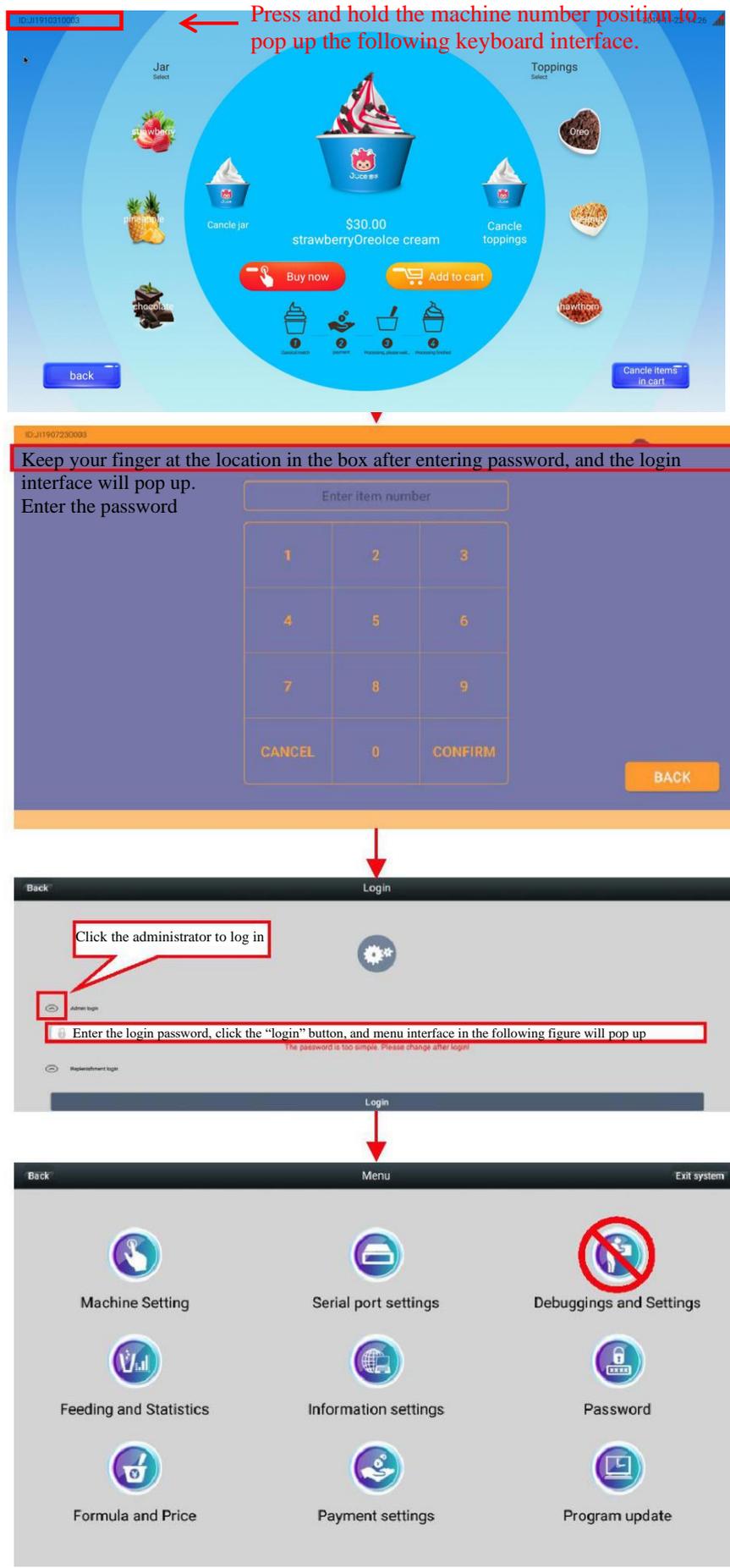
全国招商服务热线 400-926-9263

本机小吉运营服务热线 13017002060

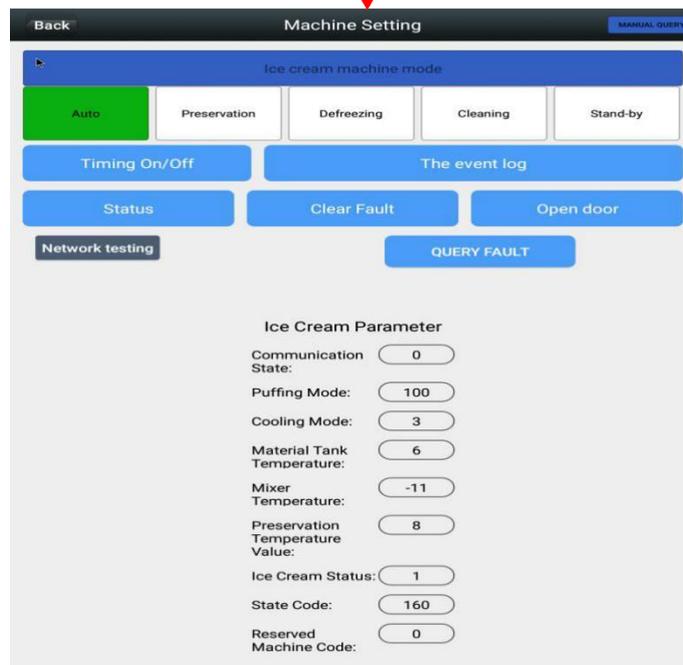
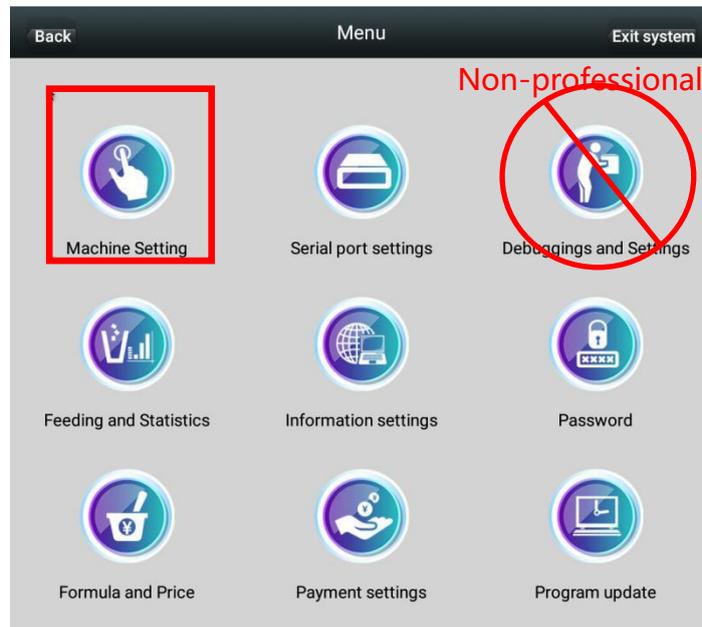


The machine starts to make the ice cream when the payment is done



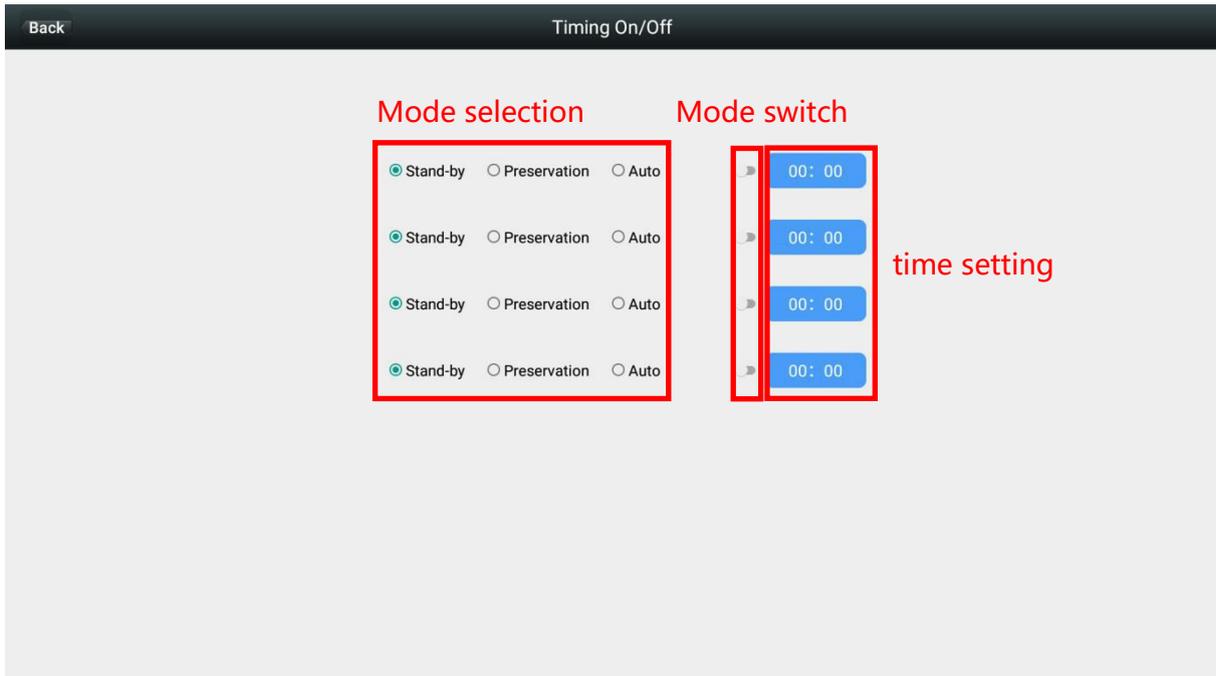


After logging in to the menu interface, click on the "Machine Settings" icon / click on "Status"



- 1、 "Auto" : when machine is working normally it has to be "Auto" mode;
- 2、 " Preservation" : lower the starting frequency and the working time of the compressor and keep the ice cream fresh, it' s for energy-saving purpose and customers can' t buy from the machine under this model.
- 3、 "Unfrozen" : Before you clean the machine you need to turn it on to unfrozen the tanks.
- 4、 "Cleaning" : When cleaning the machine turn on this mode, if the machine is locked, turn it on to unlock the machine.
- 5、 "Stand-by" : each time the machine is restarted it enters standby mode and refrigeration is not on, the ingredients will not be preserved.
- 6、 "Query faults" : if there is an error of the machine click it to find out the error code and solutions accordingly.
- 7、 "Open the door" : click it and the machine door will be unlocked and you can open it.

After logging in to the menu interface, click on the "Machine Settings" icon / click on " Timing on/off"

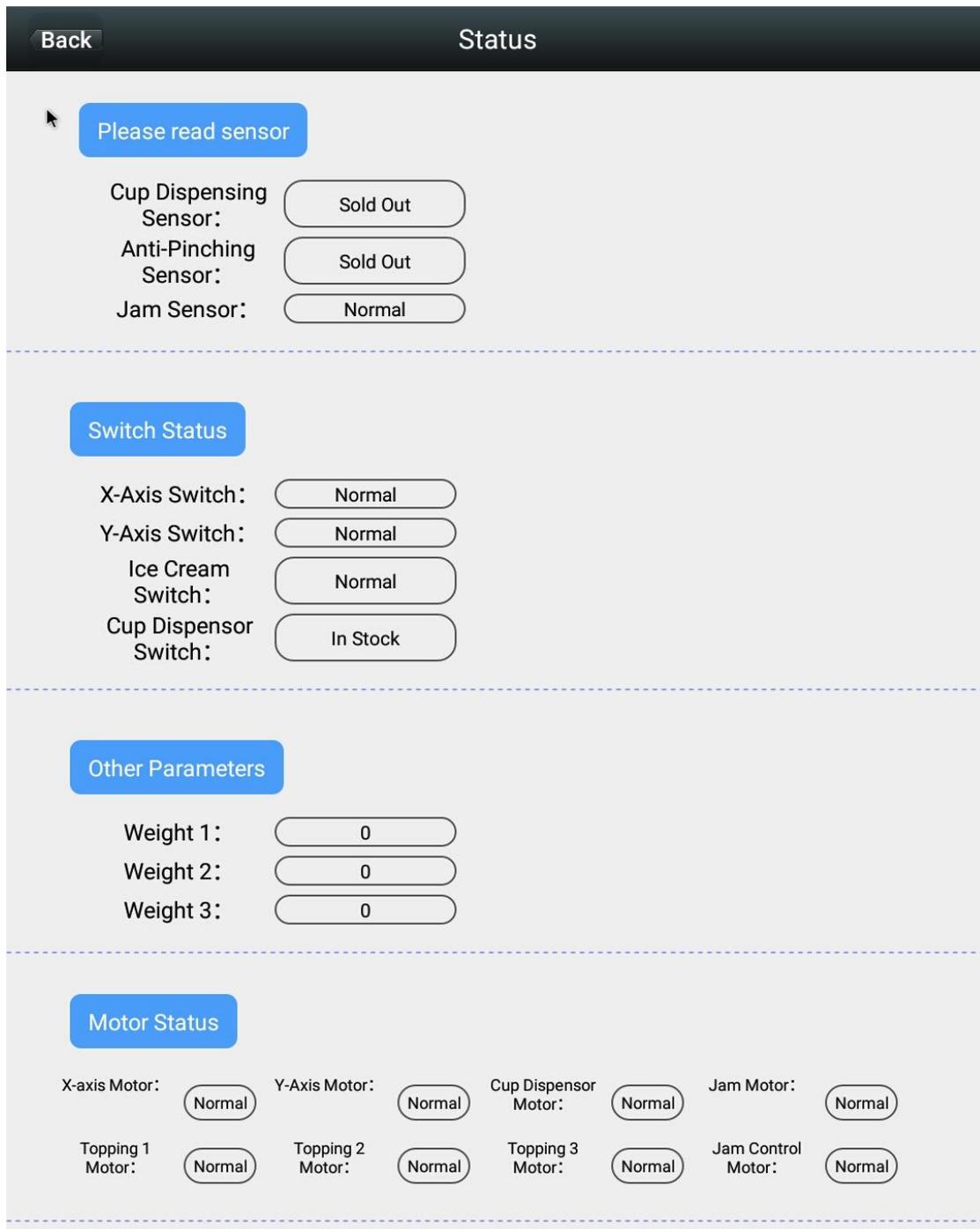


The machine can be shifting from one working mode to another for up to 4 times within 24 hours and there are 3 different working modes, when the working modes are selected, the shifting times are set and the switch is turned on, the machine will automatically shift working modes when the configured time comes.

For example: if you want the machine to stop working at 10 p.m., you can select preservation and set 22:00 in row one, then turn on the switch and the machine will shift from working mode to preservation mode.

And you want the machine to start working on 8 a.m., select "Auto" in row 2 and set 8:00 a.m. there and turn on the switch, and at 8 a.m. the next morning the machine will start working(refrigeration).

After logging in to the menu interface,click on the "Machine Settings" icon / click on "Status"



Through the status display interface, you can query the working status of each part of the machine, as shown in the figure above.

After logging in to the menu interface, click on the "Machine Settings" icon / click on "The Event Log"

Back		The event log										
SN	mode	bintemper ature	mixingtanktem perature	ambiente mperature	current	voltage	icemaking fault	icemaking status	moldingpr oportion	machinest atus	wholemac hinefault	doorcontr olswitch
1	1 Auto	13°C	-2°C	20°C	0.4A	212V	0	00A0	100%	32	37	1
2	5 Stand- by	19°C	19°C	19°C	0.3A	217V	0	0022	0%	0	2	1
3	5 Stand- by	19°C	18°C	19°C	0.3A	211V	0	0022	0%	0	7	1
4	5 Stand- by	19°C	18°C	19°C	0.3A	212V	0	0022	0%	0	7	1
5	5 Stand- by	19°C	18°C	19°C	0.3A	212V	0	0022	0%	0	7	1
6	5 Stand- by	19°C	18°C	19°C	0.2A	212V	0	0022	0%	0	7	1
7	5 Stand- by	19°C	18°C	19°C	0.3A	212V	0	0022	0%	28	6	1
8	5 Stand- by	19°C	18°C	18°C	0.3A	212V	0	0022	0%	0	18	1
9	5 Stand- by	22°C	22°C	20°C	0.0A	60160V	1280	0000	0%	0	5	1
10	3 Preservati	21°C	24°C	22°C	3.3A	229V	16384	0020	65%	0	1	1

You can see the latest 10 machine status from the event records, when there is an error it will be recorded in this page.

For example: status 2, when the machine entered standby mode the temperature of the ingredient tank was 19 degrees, temperature of the stirring tank was 19 degrees, ambient temperature was 19 degrees, the current is 0.3A and the voltage was 217V. There was not an error of the ice maker but there was an error of the machine and the code was 2(Please refer to error codes and solutions in chapter 7). When we found the machine entered standby mode without a certain reason we can find the voltage and the error code here, and if the voltage is below 200V we can see that the power supply is not stable and we might need to check the route or install a stabilizer.

3.7 Password management

After logging in to the menu interface, click the "Password Management" icon to enter the password management interface.

[return](#) Password

Login password modification

Original login password
Original login password: 000000

New login password

Confirm new login password

Login_password

Original password to enter the login interface: 73194653

Password enter login screen

[Confirm the change](#)

After logging in to the menu interface, click on the "Feeding and Statistics" icon

Back
Feeding and Statistics

Milk Liquid

Milk Liquid Type	Name	Dosage	Price	Status	Cups left	Cups Sold
00-Fresh Milk	Fresh Milk	0	0.1	Normal	0	1111

MAT TEST

CLEAN SALES DATA

Cup

Cup Type	Name	Dosage	Status	Cups left	Cups Sold
Null	Normal Cup	Null	Normal	0	137

MAT TEST

FULL LOAD AND CLEAN SALES DATA

Jam

Position	Name	Dosage	Price	Status	Cups left	Cups Sold
Bottle 1	Strawberry	20	0.1	Normal	0	179

MAT TEST

FULL LOAD AND CLEAN SALES DATA

Bottle 2	Pineapple	20	0.1	Normal	0	198
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MAT TEST

FULL LOAD AND CLEAN SALES DATA

Bottle 3	Chocolate	30	0.1	Normal	0	80
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MAT TEST

FULL LOAD AND CLEAN SALES DATA

Topping

Position	Name	Dosage	Price	Status	Cups left	Cups Sold
Box 1	Oreo	8	0.1	Normal	0	446

MAT TEST

FULL LOAD AND CLEAN SALES DATA

Box 2	Hawthorn	20	0.1	Normal	0	23
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MAT TEST

FULL LOAD AND CLEAN SALES DATA

Box 3	Peanut	12	0.1	Normal	0	37
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MAT TEST

FULL LOAD AND CLEAN SALES DATA

QUERY

SAVE

1. You can revise the names of the jam and the nuts here and the content for each cup, also the prices of them.
2. Click the "Test" on the left of jam and nuts, the corresponding ingredients for one cup will be dispensed and you need to take them with a cup. When ingredients are loaded to the machine the first time, you need to do some consequent tests here until the ingredients are dispensed to the cup.
3. After loading ingredients to the machine clear all the "Load ingredients and clear sales"
4. When settings are done we must click "Save" to save the parameters we set.

After logging in to the menu interface, click on the "Recipe management" icon to enter the recipe and price settings.



例如：点击草莓奥利奥冰淇淋 进入下方图片库，选择对应的图片即可。



1. Click the 16 ice creams to enter the the garage.
2. Select the corresponding images and match manually.
3. When the images are matched they will be shown in the shopping interface, they must first be uploaded to the "ImageGoods" folder and there will be further introduction in chapter 3.14.
4. On the top right corner of each ice cream formula there is a wording "Keep your finger here to test dispensing", keep one of your fingers at the wording and the machine will give a cup of ice cream automatically.

After logging in to the menu interface, click the "Information Configuration" icon to enter the information configuration interface.

Back
Information configuration

Server IP

Port number

Machine ID When the machine is connected for the first time, the backstage supporter will automatically generate an ID number (2-figure year +2-figure month +2-figure date + 4-figure serial number).

Advertising setting

Pay tips

Operating telephone This phone number can be displayed on the main screen

Keyboard text Settings

Keyboard input tips

Card tips

Price unit Click the pull-down list button on the right. After the pull-down list pops up, select the right price unit and click the OK button to save the setting.

>

Reboot time Click the pull-down list button on the right. After the pull-down list pops up, select the daily reboot time and click the OK button to save the setting (-1 represents no reboot).

>

Pay effective time Click the pull-down list button on the right. After the pull-down list pops up, select pay effective time and click the OK button to save the setting. If the payment is not completed before the setting time, the system will automatically jump to the standby screen or the product selection screen

>

Standby picture time >

Play image interval time >

Price decimal point >

Quick setup guide

Standby advertisement display To display the standby advertisement picture or video, you need to turn the switch on (slide to the right). The TcnFolder/ImageScreen folder must store the standby picture and standby video. Otherwise, it cannot be played. For details, see 3.14 "Product Image and Ad Settings" page.

>

Voice prompt

Show Alipay red packet tips

Restart

Check app foreground

Display touch prompt text

Use printer

Confirm

After logging in to the menu interface, click on the "Payment System" icon to enter the payment system settings interface.



After logging in to the menu interface, click the "Program Update" icon to enter the program update interface.

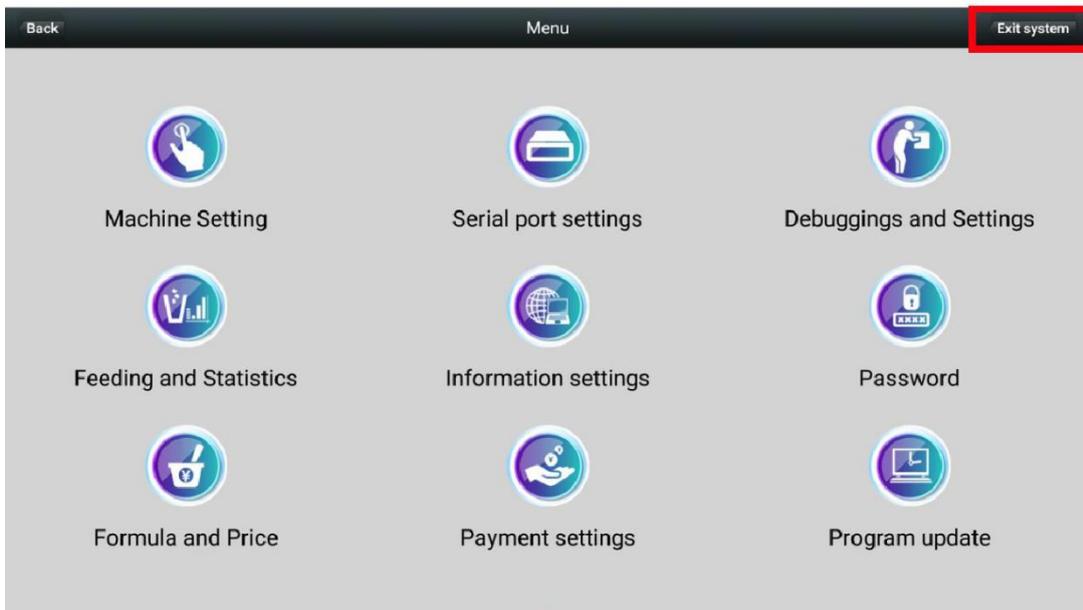


1. Click the "Update" button in the "Program Update" interface and follow the prompts to complete the update;
 2. Click " Upload the log". After the upload is completed, inform the technician of the machine ID number. The technician can download the local log file from the background to analyze the cause of the machine failure.
- The machine does not need to perform program update and log upload under normal circumstances. Updates and log uploads need to be networked and consume network traffic. You can use a browser to log in to Baidu (not Google) website to confirm whether it is connected to the Internet.

3.13 Log in the application

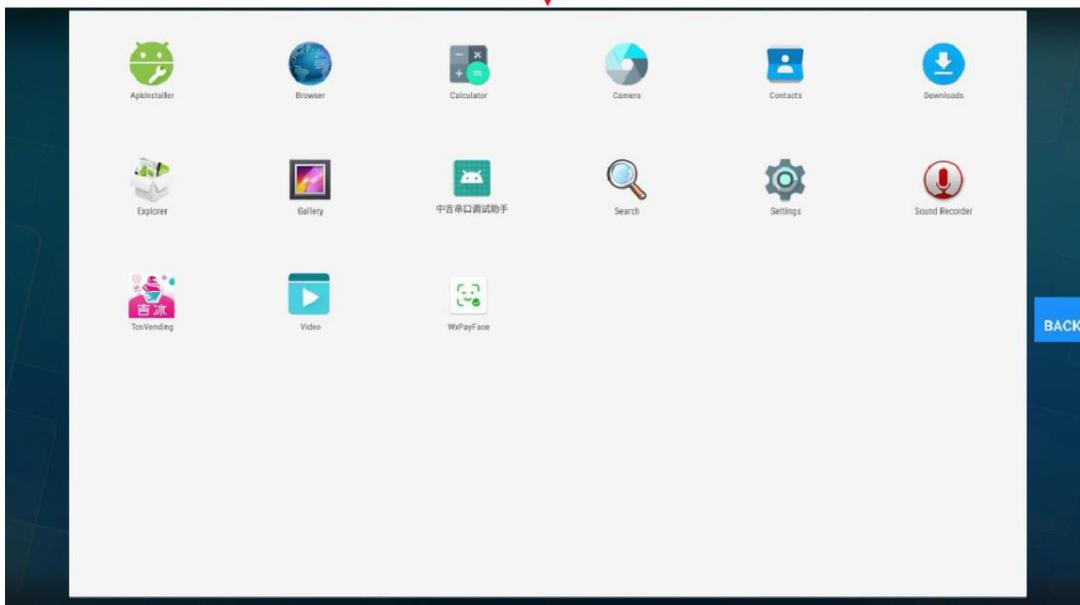
3. Machine setting

In the menu we click "Exit system" and there will be a dialog box for another password(you need to turn off "Check APP foreground" first) and click that "Settings" icon to enter it.



Passwd:

Input the application login password(zj8716). In case of no encryption, ignore this!



Save the ice cream image to ImageGoods in advance, deposit the topping image of the jam into ImageBurden, save the video to ImageScreen, insert the USB flash drive, and enter the resource manager



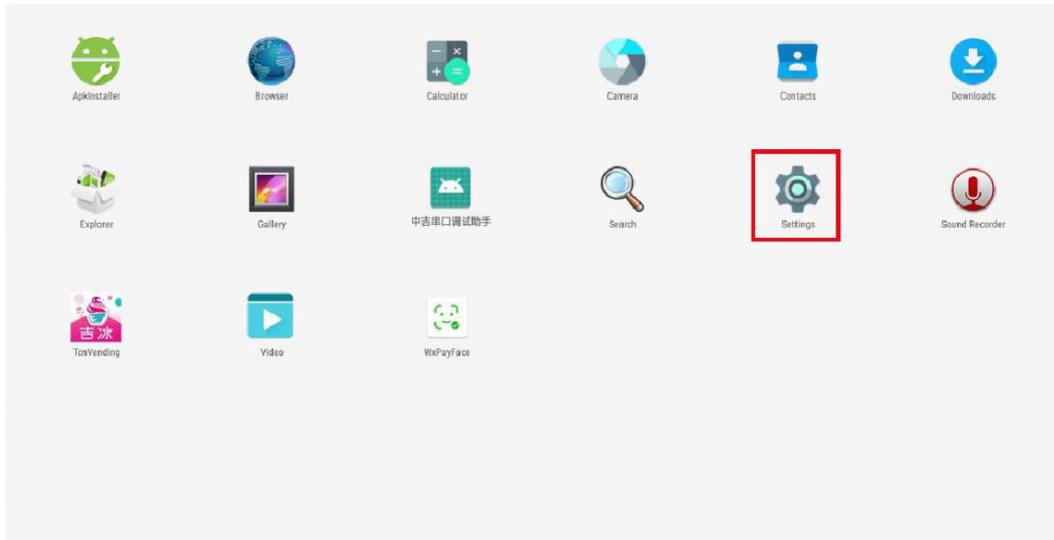
ImageBurden文件夹中顶料和果酱图片需要命名，例如：图片显示的为草莓，则图片须命名为草莓。)



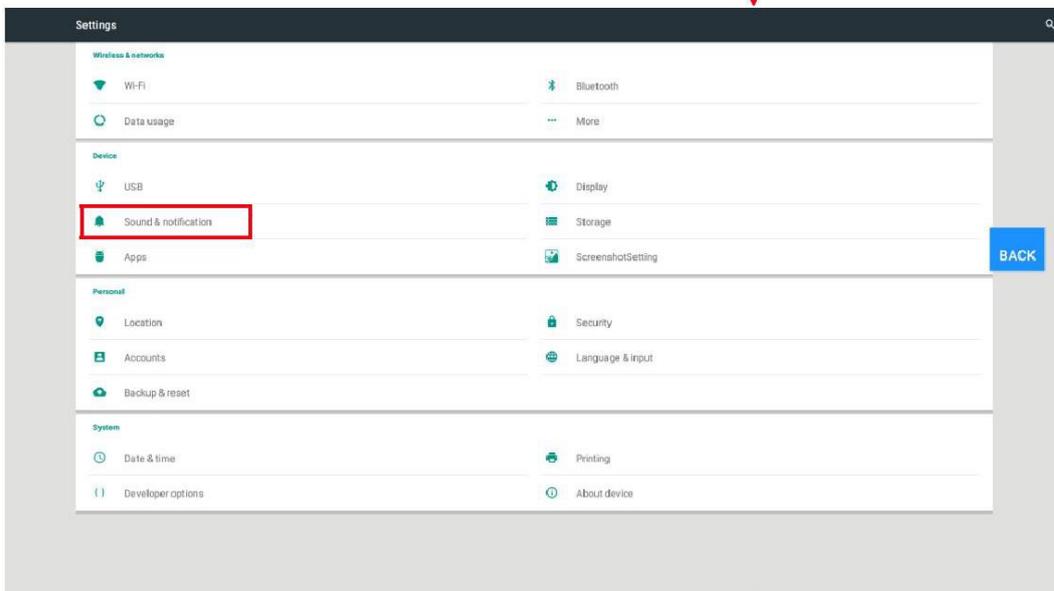
在后台菜单的“信息配置”界面打开“待机广告播放”，并且重启机器以后，ImageScreen文件夹内视频才可以播放（无人购买时自动播放）。

3.15 Volume setting

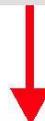
3. Machine setting



Click the “Settings” icon on the application interface, and the following interface will pop up.



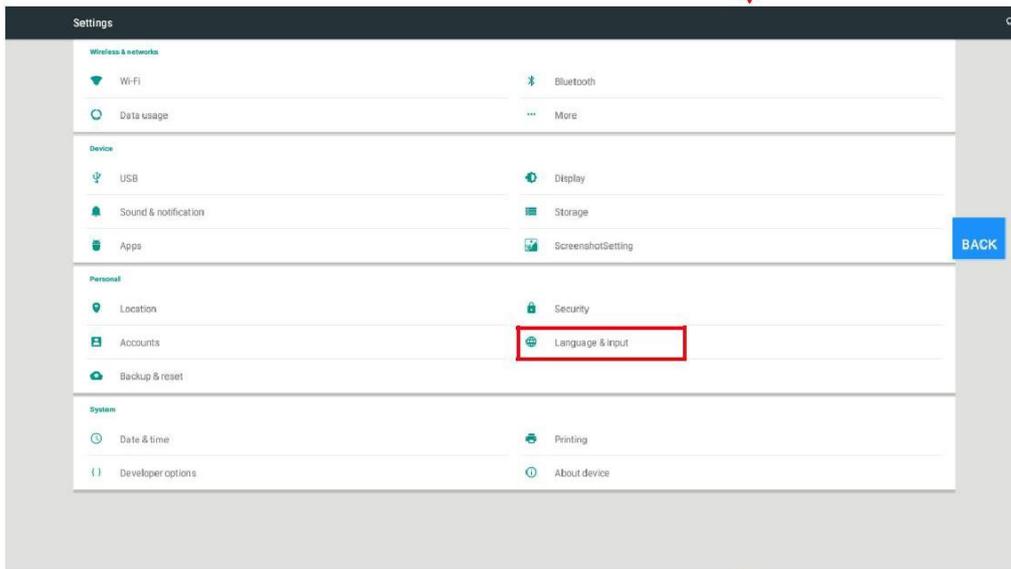
Click the “Sound & notification” icon, and the following interface will pop up.



Move the media volume slider to an appropriate location and click the return button to exit. The operation will be saved automatically.



Click the “Settings” icon on the application interface, and the following interface will pop up.



Click the “Language & input” icon, and the following interface will pop up.



Click the “Language” option, and the language selection interface will pop up.



On the language selection interface, select the language required to set and click the return button to exit. The operation will be saved automatically.

The program language is the same as the system language by default. This setting can only change the language of the interface after exiting the system.

4.1主界面部分功能介绍



机器开机后，会显示此界面，用手往左边滑动翻页。



Dispense ingredient: click and the opening will open, take the ingredients with a container below, when cleaning the machine you need to use this and when cleaning is finished you need to "Stop" it to close the opening.

Automatic dispensing: click and the machine will give a cup of ice cream and then close the opening automatically.

Working modes: refrigerating, preservation, cleaning, unfrozen, standby, etc.

Hardness level: the higher the level the harder the ice cream is and the longer it takes to make a cup of ice cream, it is suggest to make it within level 3.

Dispensing time: to control how much ice cream will be dispensed, the longer the time the more ice cream will be dispensed, you can test and adjust by yourself to find the best one for you.

Recycling time: means the compressor' s rebooting time when no one is buying from the machine, you don' t have to change it because it will be configured at factory.

Cups dispensed: how many cups in total has the machine given.

Refrigerating temperature: means the temperature in the refrigerating tank, you

don't have to change it.

There is a row of lights below and if the lights are red that means the corresponding functions are not activated, green means they are. For example, the light under "Ingredient 1" is red, that means the liquid level sensor on tube 1 does not detect any milk, which means it is likely that there is not enough milk in the milk tank; and if the liquid level sensor on the vent pipe(the smallest one in the refrigerating tank) detects milk, the light becomes green, only when new milk is loaded to the tank and the milk is extracted to the refrigerating tank from the milk tank, this level sensor is to detect whether or not the refrigerating tank is full of milk, if the light is green that means yes. Pressure means when the vent pipe liquid level sensor detects there is milk, it will turn on the electron magnetic valve of the tube, the peristaltic pump will keep extracting milk to the refrigerating tank and the pressure keeps going up and when it goes to a certain number the red light will become green, that means the pressure reaches the requirement and it will stop extracting milk to the refrigerating tank.

Forming level: unless it is higher than 75% the ice cream can be dispensed.

Ambient temperature: temperature inside the machine.

Refrigerating temperature: temperature in the refrigerator..

Air-letting-in temperature: the air temperature of the refrigerating tank.

Cycling-air temperature: the temperature in the refrigerating tank.

Inverter Input AC:	● Overcurrent
Inverter Out Current:	● Env. temp.over
Compressor Current:	● Env. temp.probe
Now Speed:	● Cold temp.probe
Speed Modify:	● Refi. temp.probe
Invertr Output AC:	● Input Volt over
Invertr Output Freq.:	● Input Volt lower
	● Speed Excep.
	● Make time Long
	● Starved feeding
	● Motor overheat

On the left it shows the electrical numbers of the machine while it's working, and on the right are error indicating lights, if the lights are green that means okay and if they are red that means there is an error for the corresponding item.

4.2 Status information

	Status Info	Clear Fault
Mach. Status:	(0:Idle,1:Running,2:Wait Pick,4:In Fault,255:Self Test)	
Fault Status:		Self Test

1. Press "Clear Fault" to clear record for faulture only, DON' T mean the machine faulture has been clean;
- 2 The machine can run only after the fault record is cleared;
- 3.To Self Test, the machine to run all actions except for the ice cream output.

If the machine fails to give a cup of ice cream, come to this page and find out the exact reason and then ask the technicians for advice on how to fix them.

X axis (Left & Right)	Pos	To Orgion
Catch cup Pos	Move	Setting
Ice cream Pos	Move	Setting
Jam1 Pos	Move	Setting
Jam2 Pos	Move	Setting
Jam3 Pos	Move	Setting
Toppings Pos	Move	Setting
Pick Goods Pos	Move	Setting
Left right action step		Setting

Y axis (Up & Down)	Pos	To Orgion
Ice cream Height	Move	Setting
Catch cup Height	Move	Setting
Toppings Height	Move	Setting
Jam Height	Move	Setting
Catch Ice End	Move	Setting
Exit Pick door	Move	Setting
Enter Pick door	Move	Setting
Next action step		Setting

Z axis(F & Back Move)	Pos	To Origin
Catch Cup Pos	Move	Setting
Pick Goods Pos	Move	Setting
Jam1 Pos	Move	Setting
Jam2 Pos	Move	Setting
Jam3 Pos	Move	Setting
Ice cream Pos	Move	Setting
Toppings Pos	Move	Setting

The values of X/Y/Z robot arms moving to the left, right, above or below the different locations. The starting point of X is on the left and the value is 0, Y at the bottom and value is 0, Z is the inside the machine and the value is 0. On the "Setting" s on the right you can set the values and click "Move" to see where the robot arm goes to with the current settings. Please set with instructions

from our technicians. Each time when the machine is rebooted the robot arm will be at the starting points of X/Y/Z axis.

Motor Pos.	Motor Parameter		
	Max (A)	Min (A)	Max (V)
X axis motor			
Y axis motor			
Z axis motor			
Goods Door			
Machine hand			

Motor Pos.	Motor Parameter		
	Max (A)	Min (A)	Max (V)
Jam pump			
Jam value			
Milk pump			
Push motor			
Door motor			

All parameters will be set before the machines leave our factory, unless instructed by our technicians please do not revise them.

Ohter Test

Pick cup door Open / Close Open Door

Machine hand Open / Close

Milk Loop Duration:

Milk Loop Run Time: (BIB mode must to 0)

X Orig Y Orig Z Orig Ma. hand Orig Lock Door Ice Door

Catch cup check

Pick cup check

Click "Turn on/off the pick up door" , "Turn on/off the robot arm" , "Turn on/off the machine door" , the machine will open or close the related parts.

Milk recycling time means for a certain interval the machine extracts milk from the milk tank to the vent pipe and dispense through there in case the milk in the pipe becomes bad.

Milk recycling running time means the time it takes to extract milk from the refrigerating tank, the function will not be activated if the time is 0.

The lights at the starting points of X/Y/X are green means the robot arm is at its starting point, if one of the lights is red that means the robot arm is moving on that direction. If the robot arm starting point light is green it means the robot arm is turned off, red means turned on.

If the lights of the door of the machine and the door of the refrigerating tank are green, that means the doors are closed; if they are red, that means the doors are open or the door switches not pressed to their positions.

The cup sensor is 15 centimeters below the cup dispenser.

Drop sensor is on both sides of the pick up door. Green light means the sensors detect nothing and red means there are cups detected.

1、 Not powered up

Reason 1: Machine' s plug not plugged to power supply correctly.

Solution: Plug it correctly according to the manual.

Reason 2: Power switch not on.

Solution: Turn on the power switch

2、 Machine locked because of not cleaning the machine

Reason 1: not setting the limitation in the back-end system.

Solution: enter back-end system, find the corresponding machine ID and set there, you can also ask customer service for assistance.

Reason 2: indeed the machine has not been cleaned for a few days.

Solution: go to the machine and clean the machine according to the instructions.

3、 Machine locked due to being out of power for a long time.

Reason 1: limitation is not set in the back-end system.

Solution: enter back-end system and set there according to the instructions, you might also ask our customer service for assistance.

Reason 2: indeed the machine has not been cleaned for a few days.

Solution: clean the machine according to the instructions in the manual

4、 Invalid remote control of machine' s working modes

Reason 1: network error.

Solution: check if the SIM card is inserted and WiFi connected.

Reason 2: lack of ingredients will lead to mandatory preservation of the ingredients inside.

Solution: load ingredients to the machine.

5、 There is too much or too little ice cream in the machine

Reason 1: ingredient dispensing time too long or too short.

Solution: set correctly the dispensing time in the small debugging screen.

Reason 2: the first a few cups has more ice cream than usual.

Reason 3: the foaming rate of ice cream goes down because there has been no one buying from the machine for a long time, so there is less ice cream.

Solution: replace with new ice cream or start refrigerating again after the ice cream is unfrozen.

6、 Ice cream too soft or too hard

Reason 1: ice cream module level not correct.

Solution: set correctly in the small debugging menu, the higher the level, the harder the ice cream will be.

7. Lack of ingredient warning

Reason 1: there is little milk in the milk tank.

Solution: load more milk to the tank.

Reason 2: the air valve on the milk tube is too large and milk cannot be extracted to the refrigerating tank.

Solution: rotate the valve clockwise to lessen the air that goes into the tube.

6

Daily cleaning and maintenance

Machine cleaning:

Frequency: every up to 5 days.

Step 1: Unfrozen the ingredients inside, if there is not milk or the machine has stopped refrigeration for more than 10 minutes you can skip this step.

Step 2: Get a basin of clean water and put those two pipes in the milk tank.

3: Click "Clean" in the debugging screen and then click "Dispense ingredients" until the milk and the water are all dispensed.

4: Get a second basin of clean water, better hot boiled water, if there is not hot water you can select "Heat and clean" and let it work for 5 minutes and click "Dispense ingredients" , when the water is dispensed stop dispensing ingredients.

5: Get a third basin of clean water, click "Dispense ingredients" again, when all the water is dispensed stop dispensing ingredients. You can recycle these steps until all the canisters/tubes are fully cleaned.

6: Shift the working mode to stand-by mode, loosen the four screws on the plastic tips at the dispensing opening and disassemble the plastic tips, dispensing opening and the stirring shaft and clean them.

Attentions:

1、 Before loading ingredients to the machine we must first let all the water in the refrigerating and the frozen tanks go, otherwise the tank might get frozen.

2、 Before unscrewing the screws at the dispensing opening we must stop them in the menu first.

3、 Don' t forget to install back the plastic tips to the dispensing opening and the sealing rings to the stirring shaft of the frozen

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Daily cleaning and maintenance

tank after cleaning.

4、 Be cautious while cleaning the machine in case the water goes to the electric boards and cause unnecessary errors.

To clean other parts:

- 1、 Jam bottles: replace with a new one;
- 2、 Silicone tubes: a. disassemble and clean; b.Put on of the heads in a water basin and clean.
- 3、 Canisters for nuts: disassemble and clean.
- 4、 Ingredient-leading slot: disassemble, clean and wipe with clean dry cloth.
- 5、 Other parts: wipe with a piece of dry, clean cloth and alcohol.

7

Matters needing attention

As a vending machine with complicated structures and advanced technologies, it requires certain expertise and skills in using and maintaining the machine. Before using a new machine please read carefully all instructive videos and while using the machine, other causes might lead to machine errors:

1、 The rated power of the machine is 2000W, the power cord/power socket must be 2.5m² copper wire or better, if there is a 16A air switch you need to use independently. The length of the power socket should be within 10 meters, otherwise the machine might stop working automatically or there will be errors on the rotating speed sensor.

2、 When the back-end system is opened, set the upper limitation(up to 5 days) for the cleaning interval and the power-off(up to 3 hours) time, you can also ask the customer service to set for you.

3、 The machine will give a lot of heat while working, therefore good air ventilation is need when installing the machine, please keep a distance of 30 centimeters to the walls and don' t put anything between the machine and the walls, otherwise the machine might get out of work.

4、 When loading cups to the machine please make sure all cups are loaded to the cup-dispensing slots and the cups are not at all deformed, otherwise there will be errors when dispensing the cups.

5、 The milk can be preserved for up to 5 days only when the machine is working under "Refrigerating(Auto)" and "Preservation" modes, it will not be refrigerating if it' s at "Stand-by" mode and the milk can' t be preserved for a long time. Make sure you clean the milk pipes every up to 5 days, if the machine is working in stand-by mode for a long time please clean the milk tank and remove the bad milk from the machine. And if the machine has stopped working for a long time, clean the entire machine and clear all ingredients from the machine for hygiene purpose.

6、 Each time when cleaning is done, go to the machine menu in the screen to reset the cleaning interval, otherwise the machine will be locked in 5 days,; if it is locked, click "clean" to unlock the machine and shift to other working modes.

7

Matters needing attention

7、 After cleaning the machine and the first time of loading ingredients, shift the working mode to “Refrigerating(Auto)” , once it says ice cream 100% formed, which usually takes 10-15 minutes, start selling.

8、 Make sure there is water or oil in the machine leg’ s anti-ant devices so that the ants can’ t go into the machine, plant oil is suggested because it won’ t evaporate and has better performance.

9、 Machine must be standing upright on the ground floor, can’ t be upside down or leaning up on something else.

8

Trouble code

If the machine fails, you can log in the menu at the machine end, enter the machine management, click the fault query, and the machine will display the fault code according to the fault type.

00		25	Cup dispenser error
01	Lack of jam	26	Z motor time out
02	Ice maker not responding	27	Z motor open circuit
03	Ice making system not on	28	Z motor over current
04	Ice cream not formed	29	Z motor can' t position/loket-rotor
05	Ice cream module other errors	30	Jam motor open circuit
06	Protection cover motor open circuit	31	Jam motor over current
07	Protection cover motor short circuit	36	Anti-pinching sensor normal without signal emission
08	Y motor can' t find its starting point	37	Anti-pinching sensor blocked
09	Y motor open circuit	38	Jam motor normal without signal emission
10	Y motor over current	39	Jam motor blocked
11	Y motor can' t position	40	Jam valve motor disconnected
12	X motor can' t find its starting point	41	Jam valve motor over current
13	X motor open circuit	42	Jam valve running time out
14	X motor over current	43	Robot arm motor disconnected
15	X motor can' t position	44	Robot arm running time out
16	Cup drop sensor normal without signal emission	45	Door lock disconnected
17	Cup drop sensor	46	Door lock over current

8

Trouble code

	blocked		
18	Cup dispenser not responding	47	Door lock time out
19	Not detected after cup dispensed	240	EEPROM storage error
20	Door motor open circuit		
21	Door motor over current		
22	Foreign matters in cup slots		
23	Protection cover running time out		
24	Pick up door time out		

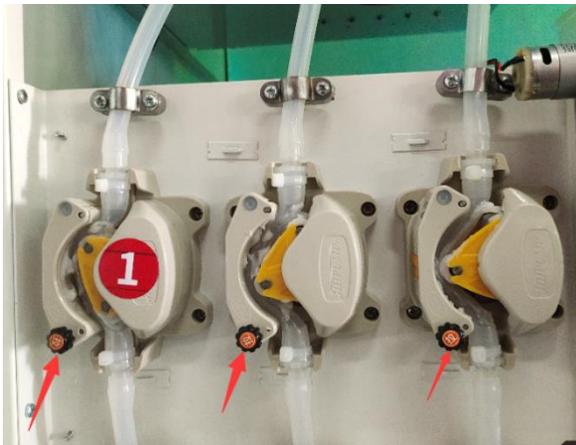
9

Machine parts

Canisters for nuts



In the first picture, the part where the arrow goes is the switch to open/close the dispensing opening of the nuts and it is rotatable. The picture in the middle is open and on the right is closed, if you want to load nuts to the canister, you need to open it first.

peristaltic pump

The peristaltic pump is to extract jam and milk. In the first picture there are black pull rods (where the arrows go), pull upward you can turn on the pump, if the silica gel pipes break away from the pump you need to press and install back, the pipes have to be embedded in the slots to be tightly fixed.

10

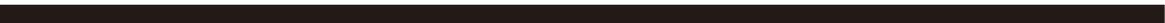
Warranty card

Maintenance clauses:

Products under warranty are produced by our company. Users are entitled to enjoy after-sales service of free maintenance during warranty period (the warranty period is one year, and the starting date is subject to the date in purchase invoice) if product is damaged in normal use. In case of any man-made or force majeure factors (such as earthquake, flood, fire disaster and lightning stroke, etc.), the damage will not be within the warranty scope as follows:

1. Products without any serial number and products with arbitrarily altered serial number (model).
2. Products that are repaired or to be repaired without permission of personnel in our company.
3. Damages of products that are caused by accidents, improper use or any kind of natural factors out of control.
4. Products that are artificially damaged during transportation.

No.	Maintenance time	Fault contents	Maintenance personnel
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			



<p>合格证 Certificate of Quality</p> <table border="1" style="margin: auto;"><tr><td>检验员：</td></tr></table>	检验员：
检验员：	

装箱清单：

售货机整机 Antenna 说明书 Keys

其他

