

Vending Machine User Manual

Model: AF-CSC-60C(H5)(AB05)

Thank you for purchasing our vending machine.

- Please read and understand the manual carefully to use the vending machine correctly. Improper operation may cause accidents or hazards.



Contents

1. Safety warning
2. User instructions
3. Common faults explanation
4. Routine cleaning and maintenance
5. Product warranty card
6. Quality certificate/packing list

Images are for reference only, please operate according to the actual machine! After reading the user manual, please keep it properly for future reference.

1. Pre-use instructions

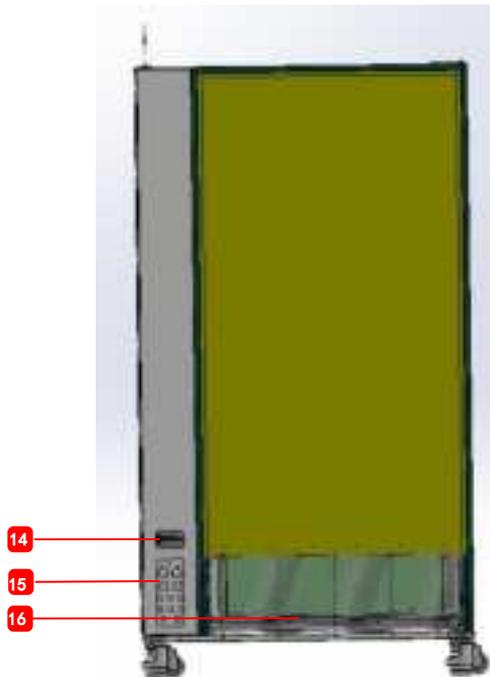
1.1 Names of parts

(1) External structure diagram



(2) Serial

No.	Name
1	Door glass
2	Coin slot
3	pick-up outlet
4	Castor wheel
5	Antenna
6	Speaker outlet
7	5-inch screen
8	Keyboard
9	Bill acceptor
10	Nayax
11	Door lock
12	Coin return button
13	Coin change outlet
14	Nameplate
15	Power cord box
16	Refrigeration module

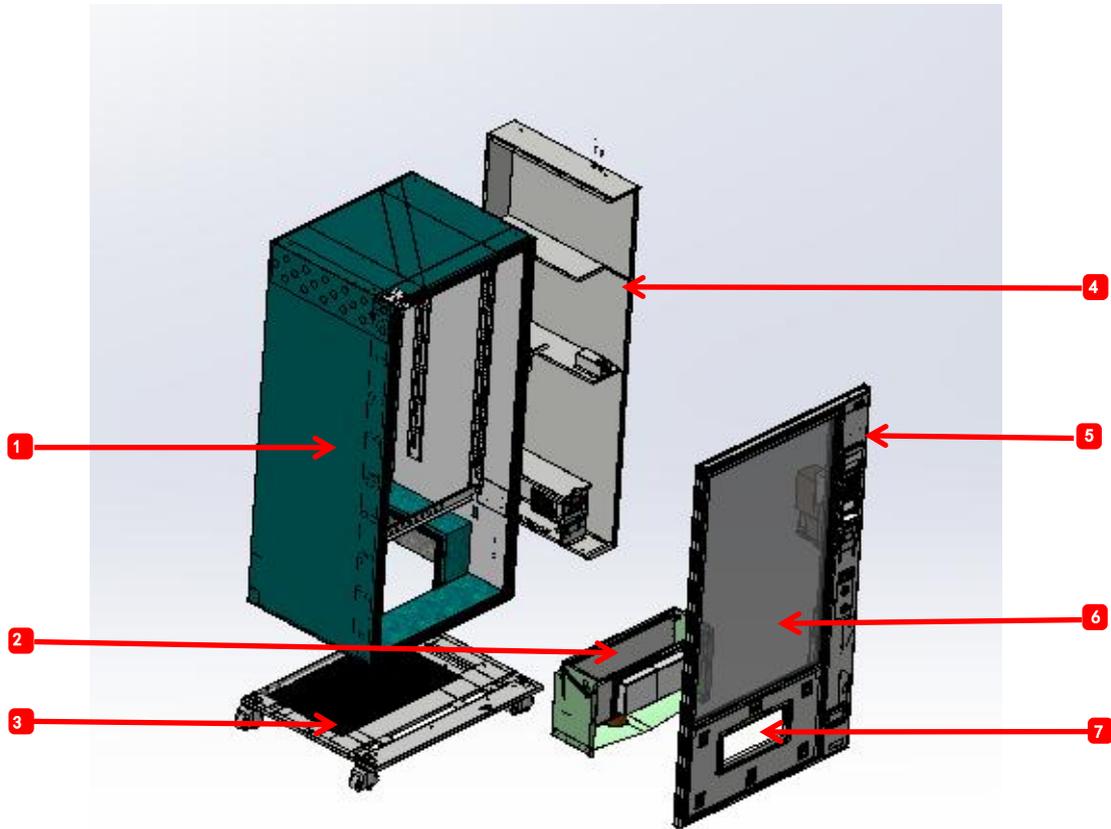


Images are for reference only, operate based on the actual machine.

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1.2 Names of parts

(2) Exploded view



Images are for reference only, operate based on the actual machine.

(2) Serial number correspondence table

No.	Name
1	Main cabinet body
2	Pick-up bucket
3	Base
4	Sub-cabinet body
5	Main door
6	Door glass
7	pick-up outlet

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2.1 Technical specifications:

Product type	Snack & drink vending machine
Product model	AF-CSC-60C(H5)
Product dimensions	Standard model: height 1989mm x length 1055mm x width 794mm
Net weight	Standard model: 256kg
Rated power	420W
Working voltage	AC 110V, 60Hz
Rated current	6A
Internal temperature	4~25°C
Product exterior color	Cabinet and door: Black, Panel: Orange (customization available)
Total power consumption	0.42 kW.h/24h (ambient temperature 35°C, 75% humidity, no load, internal temperature 4°C, stable over 24 hours)
Noise	≤70dB
Water and dust resistance	The whole machine meets IP20 protection requirements
Base/legs (number/type)	Castor wheel
Software platform	Microcontroller, other platforms customizable
Warranty	1 year (whole machine)
Whole machine and certification standards	CQC certification (GB4706.1,GB4706.72)

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2.2 Vending machine safety notice

1. The machine typically uses AC 220-240V/50Hz and can operate within a voltage range of 187–254V. Operating outside this range may prevent the machine from starting, damage the compressor, or cause abnormal compressor noises (determine the abnormal range based on local actual voltage). 
2. Use a dedicated power outlet with a ground connection. Under no circumstances should you cut or disassemble this three-prong plug (ground connection). When the machine is installed, the plug should be easily accessible for convenient insertion and removal. Note! The power plug shall maintain firm contact with the outlet to prevent fire hazards. 
3. Do not damage the power cord
 - a. Do not unplug by pulling on the power cord; always grip the plug firmly and pull directly from the outlet.
 - b. Do not place the power cord in areas where it may be stepped on or where there is water.
 - c. Ensure the machine is kept away from the wall; be careful not to roll over or damage the power cord.
4. Do not use the machine if the power cord is damaged or the plug is worn. If the power cord is damaged or worn, it shall be replaced at a service center designated by the manufacturer.
5. Unplug the power cord in the following situations: When cleaning and maintaining or replacing machine parts, unplug the power cord to prevent electric shock. 
6. Unauthorized disassembly of the machine is strictly prohibited. Do not damage the refrigeration system's tubing; maintenance shall be performed by qualified personnel.
7. The pick-up door is heavy; support it with one hand while using the other to retrieve items to prevent pinching. Children shall use the machine under adult supervision (one item per purchase). 
8. Operating ambient temperature: -10°C to 35°C.
9. Individuals with physical or intellectual disabilities (including children) shall use this equipment under the supervision or guidance of professional operators.
10. Minors are prohibited from using this equipment unaccompanied.
11. This equipment should only be installed in areas where it can be supervised by operational staff.
12. Only operational staff are allowed to service this equipment and access the server.
13. If the power cord is damaged, it shall be replaced by the manufacturer or professional operators to avoid hazards.

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14. Vending machines are widely used for selling pre-packaged food.
15. Install this equipment in a dry, well-ventilated area.
16. The equipment shall be placed on a level surface.
17. Please be cautious when the lifting device's motor is operating to prevent hand injuries. Always turn off the power before maintenance and cleaning. Do not attempt to disassemble or repair the motor unless you are a professional or under professional supervision.
18. The equipment's application scenarios are as follows:
 - The equipment can be placed in shopping malls and office buildings.
 - The equipment can be deployed in hotels, motels, and residential areas.
19. Warning notices:
 - Do not obstruct the equipment's casing and built-in ventilation ports.
 - Do not use mechanical devices or other methods to accelerate the defrosting process, except as recommended by the manufacturer.
 - Do not damage the refrigerant circuit. This warning applies only to appliances with refrigerant circuits that are accessible to users.
 - Do not use electrical appliances in food storage areas unless they are of a type recommended by the manufacturer.
 - When securing the equipment, ensure the power cord is not trapped or damaged.
 - Do not place multiple portable outlets or power sources behind the equipment.
20. How to prevent the refrigeration system from freezing?
 - Regularly check if the antifreeze level is below the minimum and refill if necessary.
 - Inspect the ventilation net or evaporator for stains, which could reduce airflow and heat exchange. If necessary, clean promptly.
21. What to do in the event of freezing?
 - Turn off the main power switch of the machine and wait for the internal temperature to cool below room temperature.
 - Check for any ice blockages in the cold water pipes and resolve them promptly.
 - Turn on the machine's main power switch, start the machine, check if the water in the tank is flowing, and observe if the machine is operating normally.
22. Do not store explosive materials such as aerosol cans containing flammable propellants in this appliance.
23. The safety of stored food depends on the temperature and duration of storage; maintenance personnel shall regularly replace and dispose of it

24. Asset disposal warning!



There is a risk of injury or suffocation.

- Disconnect the appliance from the mains power supply.
- Cut off the main power cable and discard it.

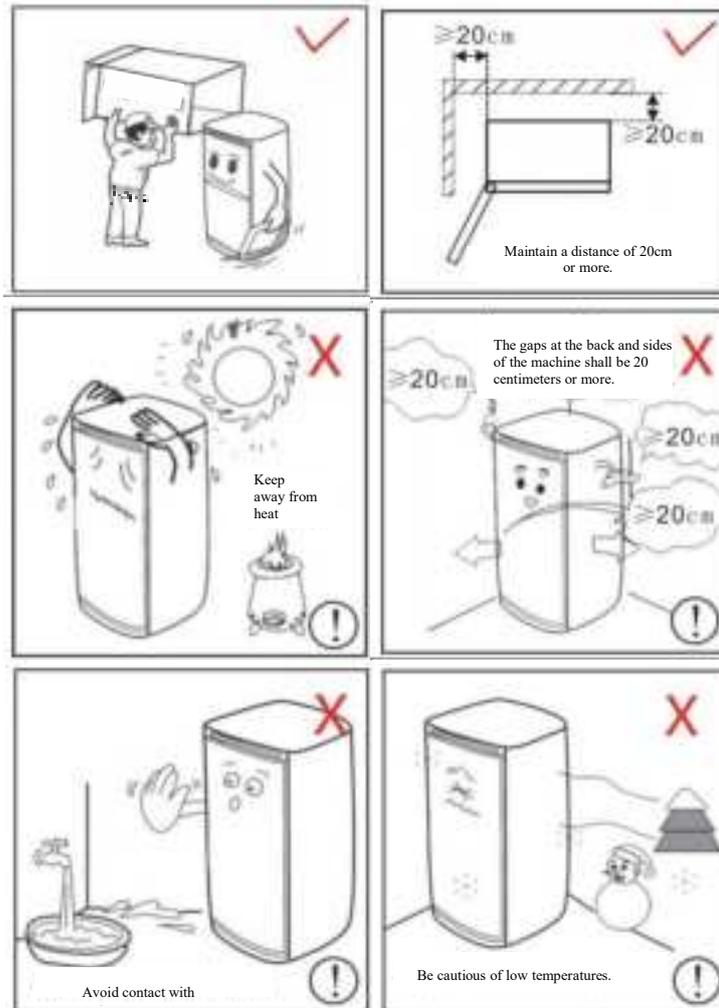
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- Remove the door to prevent children and pets from being trapped.
- The refrigerant circuit and insulation material of this appliance are ozone-friendly.
- The insulation foam material contains flammable gases. For information on how to properly dispose of this appliance, please contact municipal authorities.
- Do not damage the parts near the heat exchanger of the cooling unit.

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2.3 Preparation for use and placement environment

1. Upon receiving the machine, first check whether the packaging is intact. If damaged, consult the logistics provider and call our company directly.
2. Before use, remove all packaging components, such as wooden boards, protective films, foam, and zip ties.
3. Place the machine at your business location. It must be dry, well-ventilated, away from heat sources, sheltered from rain, protected from low temperatures, safe from water splashes, and situated on a solid and stable ground, elevated 20cm from the wall.
4. After placing the machine, let it sit for over 30 minutes before turning on the power to ensure it operates correctly. To initiate cooling, the machine should remain idle for 4-5 hours; otherwise, it may affect the compressor. At room temperature, the machine consumes 60W, with a maximum cooling power of 420W.
5. Products for sale shall be compatible with the corresponding spiral vending tracks.

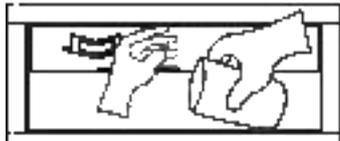


!War

The vending machine's power supply shall be grounded!
A machine that is not grounded cannot be used!
Otherwise, there is a serious safety hazard!

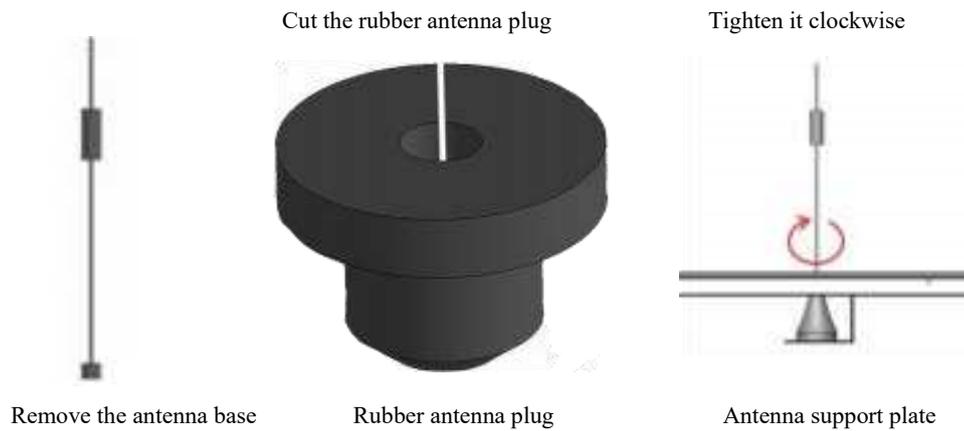
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2.4 Safety precautions

<p>1. The machine operates on a power supply of 110 VAC, 60Hz. Please note that operating the machine without required voltage may result in startup issues, compressor burnout, or abnormal noise.</p> 	<p>2. Shall use a reliable, grounded three-prong outlet to avoid the risk of electric shock. After the machine is installed, the plug should be easily accessible.</p> 
<p>3. Do not damage the power cord.</p> <p>a. Always grip the plug firmly (do not pull directly on the power cord) and pull it straight out from the outlet.</p> <p>b. Ensure the machine does not rest on the power cord, nor should the power cord be stepped on.</p> <p>c. When moving the machine away from the wall, be careful not to crush or damage the power cord.</p> <p>d. If the power cord is damaged or the plug is worn, do not continue to use the machine to avoid hazards. It shall be replaced by professionals from the manufacturer or maintenance department.</p> 	<p>4. When cleaning, repairing, or replacing parts, unplug the power cord to prevent electrocution.</p> 
<p>5. Unauthorized disassembly or modification of the machine is strictly prohibited; repairs shall be carried out by professional personnel.</p> 	<p>6. Push the pick-up door with one hand while reaching into the pick-up box with the other hand to retrieve items. The door of the pick-up bucket is quite heavy. Be careful not to trap your hand. When children need to use it, adult assistance is required.</p> 

2.5 Antenna installation

1. Take out the antenna from the accessory pack and insert it into the rubber antenna plug (cut a notch from the center hole to the edge with a blade), as shown, and rotate it clockwise onto the antenna mount on the right side of the cabinet.
2. After tightening the antenna, attach the antenna base to the antenna support plate on the right side of the vending machine cabinet to ensure the machine receives communication signals effectively.
3. Insert the rubber antenna plug into the antenna hole to prevent dust from entering the machine and to provide good support for the antenna.



2.6 Adjusting the height of the vending tray

1. Cut the cable ties, pull out the vending tray, and remove the terminals at the back of the tray.



2. Use a screwdriver to remove the screws from the vending track slides. Adjust the slides to the appropriate height and secure with screws (note: both sides of the slides shall be at the same height).



3. Reconnect the vending tray's wire terminals, organize and secure the vending tray's wiring, and push the tray back into the main cabinet.

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2.7 Restocking/loading

1. When a slot in the vending machine is empty, restock the products promptly. Products shall be placed correctly according to the names set on the platform. When opening the door: Insert the key into the lock, turn clockwise, and the lock core will pop out. Hold the lock core and turn counterclockwise about 7 times to open the small door.
2. Products to be restocked in the empty slots should be correctly filled according to the names set on the platform.
3. Precautions for transporting goods

Bagged products shall be inserted at the bottom of the vending tray and tilted towards the vending slot.



The size of the items shall not exceed the gap between the springs.



Since the vending tray is tilted after loading, do not lift the springs as it may cause the products to drop automatically.



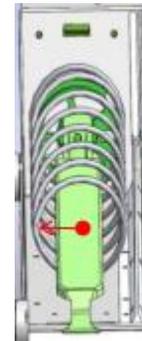
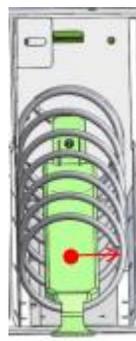
Items shall not be wider than the vending slot.



Do not touch the tray above.



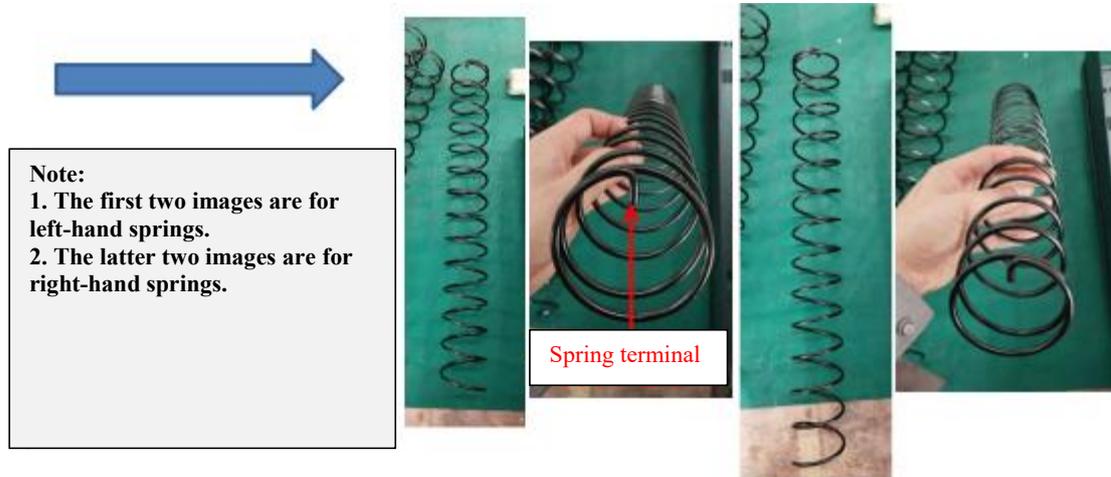
After loading the items. Check and confirm that the items are correct, lock the vending cabinet, and store the key securely.



When the vending slot is malfunctioning and the angles are inconsistent, do not pull on the springs. After retesting the vending slot, allow the springs to reset.

2.8 Replacing the springs

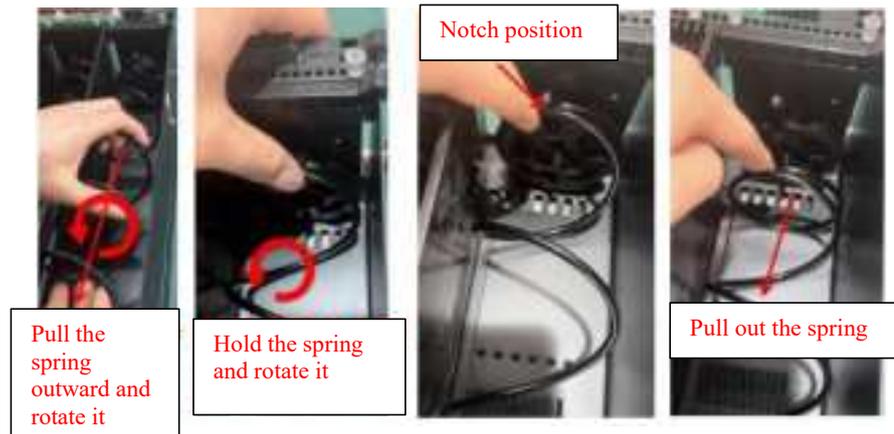
1. Identifying the left-hand and right-hand springs



2. Disassembly and installation of springs (for left-hand springs disassembly and installation; for right-hand springs, rotate in the opposite direction)

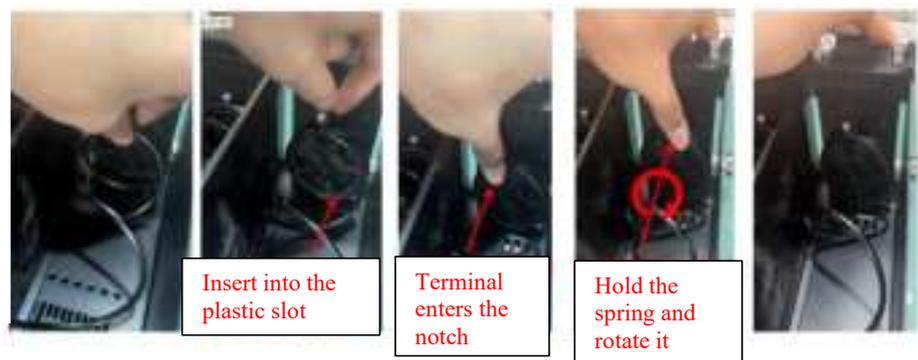
Disassembly

1. Pull the spring outward and rotate it so that the notch faces upward.
2. Hold the spring and rotate it counterclockwise so that the spring's terminal aligns with the notch.
3. Pull out the spring.



Installation

1. Insert the spring into the plastic slot.
2. Hold the spring terminal to position it into the notch.
3. Hold the spring and rotate clockwise to secure it into the plastic slot.



2.9 Installing the SIM card

Removal

1. Press to release the data card, causing it to pop out;
2. Pull the data card downwards.

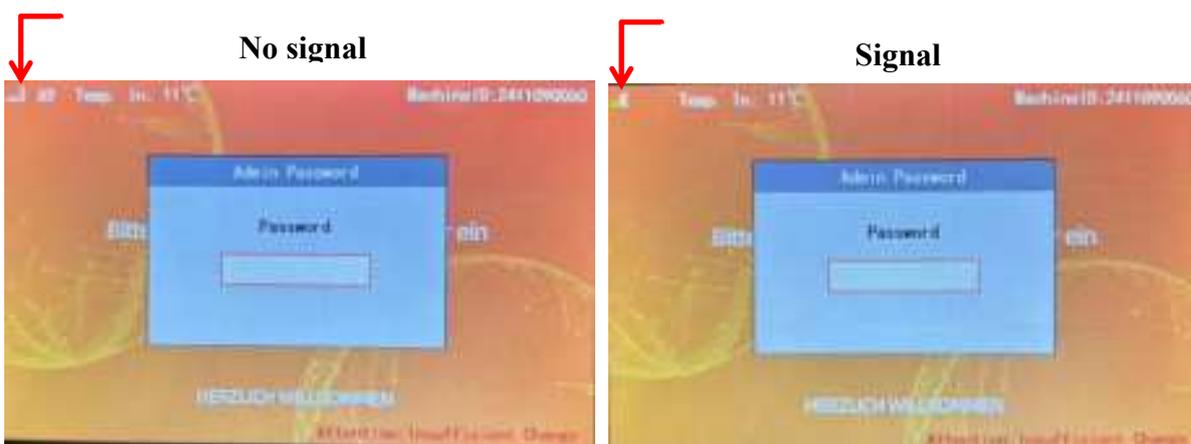


Insertion

1. Align the data card with the slot;
2. Insert the data card upwards.



Signal instructions



3.1 Changing the base anchors

Castor wheel removal

1. Insert the forklift under the equipment;
2. Raise the forklift to suspend the equipment;
3. Use a wrench to turn the castor wheel counterclockwise until it is fully removed.



Installing the base anchors

1. Align the screw with the thread;
2. Use a wrench to turn the base anchor clockwise until it is securely installed.



Forklift

1. Lower the forklift to set the base anchors on the ground;
2. Withdraw the forklift.



2 Common troubleshooting

1. No power

No.	Possible causes	Solution
1	Power input not connected	Correctly connect the power input cable
2	Ground fault circuit interrupter is in the "Off" position	Check if the ground fault circuit interrupter is in the "On" position
3	Blown fuse	Please contact customer service
4	Power switch not turned on	Turn on the power switch

2. Not refrigeration

No.	Possible causes	Solution
1	Refrigeration switch not turned on	Turn on the refrigeration switch
2	If the machine has been used for a long time, the refrigerant may be insufficient	Please contact customer service

3. Unable to reach set temperature

No.	Possible causes	Solution
1	Condenser dust	Clean with a non-metallic brush
2	Insufficient cooling time for goods	Pre-cooling items before selling
3	Due to direct sunlight or other heat sources around the machine, the ambient temperature is too high	Change the machine placement environment
4	Poor ventilation of the machine	Ensure there is more than a 20cm gap at the back and sides of the machine and that it is well-ventilated

4. Speaker's sound is low or no sound

No.	Possible causes	Solution
1	Volume set too low or sound turned off	Reset the volume
2	Poor audio cable connection	Reconnect the audio cable properly
3	Poor speaker or audio amplifier circuit	Please contact customer service

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5. Light strip does not work

No.	Possible causes	Solution
1	Light strip plug interface is poor.	Reconnect the light strip connectors securely.
2	Light strip damaged	Please contact customer service

6. Not connected to the Internet

No.	Possible causes	Solution
1	SIM card not detected	1. Check if the machine has a card inserted; 2. Check if the surface of the SIM card is dirty
2	Data usage has exceeded the limit, especially the first update of backstage data, which consumes a large amount of data.	Reactivate the data card
3	The card has been deactivated	Recharge the data card
4	The card is locked	Contact the backstage to unlock Note: The data card can only be used in the machine it is bound to. If the SIM card is repeatedly used in phones or other devices, it may get locked, and the machine may not work properly
5	No signal	1. Ensure the antenna is installed correctly and placed on top of the machine 2. Test with a SIM card from a different carrier
6	Unable to connect to the server	Contact the backstage to activate backstage services
7	No mobile network signal coverage in the operational area	Due to various reasons, there may be no mobile network signal coverage in the operating area. In such cases, change the machine's location or connect to a WiFi signal (can be connected via an Ethernet cable).

3 Routine cleaning and maintenance

Cleaning inspection time and content

Content \ Cycle		Cleaning inspection time		
		When replenishing goods	Once a month	Every six months
Cleaning	Machine body	○		
	Control cabinet partition	○		
	Vending slot	○		
	Evaporator		○	
	Condenser		○	
	Transport channel		○	
	Panel		○	
Check	Ground fault circuit interrupter		○	
	Set installation status			○

Regularly check and clean

- When restocking, wipe the exterior of the vending machine with a dry cloth. If there are heavy stains, wipe with a damp cloth or a diluted solution of neutral detergent. Do not use organic solvents or alkaline liquids for cleaning, as these may cause the panel to crack. Do not use paint solvents or banana oil and other chemical reagents to avoid accidents (use wind essence instead).
- When cleaning the inside of the machine cabinet, turn off the main power switch to safely clean the slots and delivery channels. Cleaning tools should only include soft cloths, cotton swabs, soft brushes, and other non-metal tools. For models with an evaporator, it should be cleaned monthly. If necessary, rinse with clean water. Remove the baffle and clean dust from the radiator gaps with cleaning tools.
- The vending machine's ground fault circuit interrupter should be tested monthly. Press the test button on the ground fault circuit breaker, which will automatically switch to the "Off" position. If the test is normal, turn off the switch and reconnect the power after 3 minutes.
- If there are oil stains or foreign objects on the machine, clean them thoroughly to avoid affecting the machine's normal operation.



Cooling system cleaning area

(image needs to be updated with a new model)

4 Product warranty card

Product warranty card

Warranty terms:

The warranty covers products manufactured by our company and damaged during normal use. Customers enjoy free after-sales service within the warranty period (one year, starting from the date on the purchase invoice). However, damage caused by human actions or irresistible external forces (such as earthquakes, floods, fires, lightning, etc.) is not covered under the warranty. Specific exclusions include products without a serial number or with altered serial numbers (model); products disassembled, repaired, or attempted to be repaired by unauthorized personnel; products damaged due to accidents, misuse, or any form of irresistible natural factors; and products damaged by the customer during transportation.

Maintenance record form

No.	Maintenance date	Description of fault	Repair personnel
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

5 Software instructions

Common functions:

1. Set target temperature
2. Set temperature control mode
3. Set temperature control timing
4. Set defogging switch for glass
5. Set LED strip switch
6. Set product channel pricing
7. Set product channel inventory
8. Set product channel capacity
9. One-touch loading operation
10. Clear product channel faults
11. Pre-loaded change coins
12. Empty the paper money change area



For software instructions content, please scan the QR code above to view and download.

<h3>Certificate of Quality</h3>
Inspector: <input style="width: 200px; height: 30px;" type="text"/>

Packing List

Vending Machine: 4G Antenna: Manual: Key:

Fuse: WiFi Antenna:

Other: