

PORTABLE FREEZER

User Manual



Before use, please read this operation manual carefully and keep this manual in a safe place for future reference.

PLEASE DO NOT RETURN TO STORE



**Please do not return this product to the retailer!!
We are able to assist you in ANY way**

If you find that you have any trouble with assembly or missing or damaged parts please contact the seller.

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1. Operation Manual Instructions

The following terms are used throughout this manual:



Warning: Safety instructions: Improper operation may endanger personal safety or cause damage to the refrigerator.



Note: Additional information for refrigerator operation.

2. Safety Instructions











WARNING

Our company hereby declares that it is not responsible for damage caused by:

- Wrong installation or connection to the refrigerator.
- Damage caused by overpressure and mechanical damage.
- The refrigerator was privately modified without the permission of our company.
- Failure to follow the instructions.
- If the power cord is damaged, replace it immediately, and do not pull the power plug by pulling the power cord directly.
- When connecting the battery, if the battery is charged with a quick charger, disconnect the appliance.
- Please confirm the description of the power supply voltage of the electrical label and ensure that the power cord is connected to the 12/24V DC power socket on the car or car.
- Disconnect the power supply when cleaning and maintenance or when not using the appliance for a long time.
- This refrigerator must not be loaded with corrosive materials or solutions.
- The refrigerator can only be repaired by authorized personnel, and improper maintenance can result in unexpected danger or damage.
- Do not place the appliance near heaters, gas stoves or in direct sunlight.
- Place the appliance in a dry, moisture-proof place to prevent water splashing, rain and moisture, and not to invade the water.
- Make sure that it is well ventilated for heat dissipation.

3. Intended Use

This refrigerator can be used to keep fresh or frozen food or drinks.

Stored food		Recommended storage temperature	Stored food		Recommended storage temperature
	Water	41°F		Cooked food	40°F
	Drinks	41°F		Red wine	50°F
	Fruits	41~47°F		Quick-frozen food	14°F
	Vegetables	38~50°F		Meat&Seafood	0°F

It can be used in places where car or camping can provide 12/24V stable power.

 **NOTE!**

Available operating range of the machine

Working voltage:	DC10-28V
Ambient temperature:	14~131°F
Ambient humidity:	≤93%
Storage ambient temperature:	-31~149°F

4. Function Description

- The refrigerator is cooled by high-efficiency compressor, and the refrigeration cycle is fluorine-free.
- The running indicator is a green-orange two-color LED light. When the temperature of the refrigerator does not reach the temperature set point, it lights up in green. When the temperature reaches the temperature set point, it lights up in orange.

- The battery protector protects the car battery and the refrigerator. When the battery voltage is too low, the power is automatically cut off; when the corresponding voltage is reached, it can be activated, high, medium and low gears, free to choose. (With battery protection function, you can adjust the auto start or shutdown voltage value of the refrigerator by selecting the high/medium/low gear position, thus protecting the car battery from being exhausted)

4.1 Mobile Control

This product has the function of app control. You can control the car refrigerator via a Bluetooth connection. App integrates switch control, cooling temperature adjustment, refrigerator instant temperature display, cooling mode selection control, etc. System requirements: Hardware: CPU 1GHZ, resolution 1280x720 or 1920x1080. Memory: 512M or above.

App Guide: Download the App TuyaSmart via Google Play Store or Appstore.

Long press the Setting button for more than 5 sec till the error light flashing. Open the Tuya App, and press the '+' button. Press the 'Auto Scan' and you can see the freezer on the screen. (The error light will flash for 30 seconds after long pressing the Setting, which means the App and the Bluetooth device are connecting)



4.2 LCD Display

The LCD screen can display the internal temperature of the refrigerator and function selection.

Error Description

Indicator light flashes 5 times	Controller overheating protection
Indicator light flashes 4 times	Minimum speed error
Indicator light flashes 3 times	Compressor start failure
Indicator light flashes 2 times	Fan overcurrent protection
Indicator light flashes 1 time	The battery voltage is unstable

NOTE!

The refrigerator has a temperature memory function, and the working state before power-off is automatically restored after power restores.

5. Technical Parameters

Voltage	DC 12V/24V
Power	45W
Cooling Range	0~50°F
Refrigerant	R134a/R290
Environmental Protection Layer	(C ₅ H ₁₀)

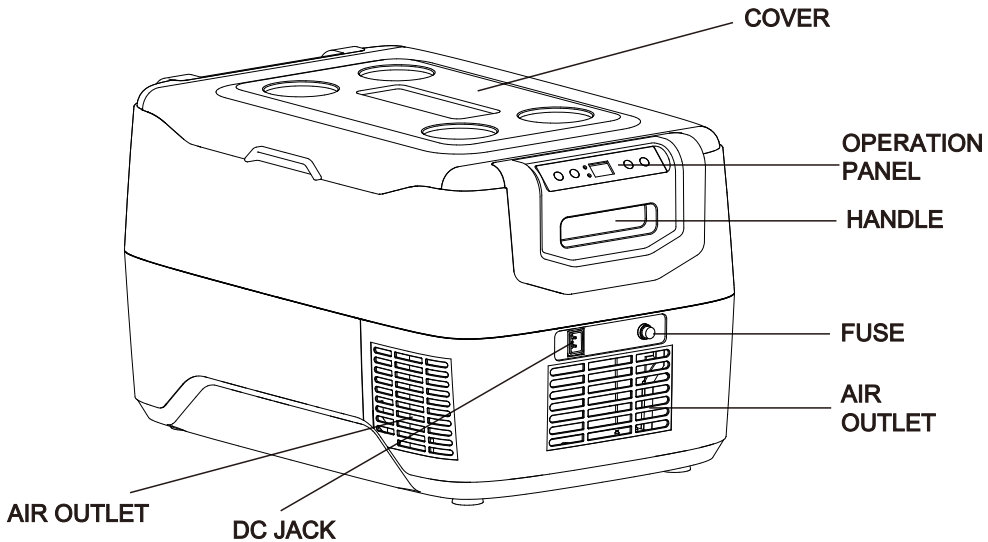
! NOTE!

When the ambient temperature is higher than 90°F, the refrigerator may not reach the standard minimum temperature.

6. Quality Assurance

- This product quality assurance meets the statutory quality assurance period. If you have any problems, please contact our company or the retailer who purchased the refrigerator.
- To facilitate warranty processing or repair, please present or provide the following credentials:
 1. A copy of the purchase invoice with the date.
 2. Reason for the complaint or description of the fault.

7. Usage



First time use

! NOTE!

Before using the refrigerator for the first time, please clean the inside and outside of the refrigerator with a damp cloth. For details, please refer to the chapter "Cleaning and Maintenance".

Connect the refrigerator

The refrigerator can be connected to a DC12/24V power supply. Plug the terminal of the 12V/24V cable into the DC socket on the refrigerator and plug the cigarette lighter into the vehicle power supply seat or other DC12V/24V socket.

If you need to use AC power, you can purchase Heismann AC/DC converter.

Use battery protector (ABS)

When the battery voltage drops to the set value, the refrigerator will automatically turn off to protect the battery from over-discharge

Once the battery charge reaches the restart voltage, the refrigerator will start immediately

Energy saving tips

- Place the refrigerator in a well ventilated area away from heat or direct sunlight
- Do not open the refrigerator more than necessary, or leave the door open longer than necessary.
- Defrost in time when the ice layer is formed inside the refrigerator.
- Always cool the food before storing it in the refrigerator.
- Set the appropriate temperature to avoid unnecessary low temperature settings.



NOTE!

When the battery protector is closed, the battery should be fully charged to avoid repeated restarts of the refrigerator. When the HI position is set, the battery cut-off voltage and the restart voltage are higher than the NED and LO files.



NOTE!

Battery voltage is too low!

When the battery voltage is too low, the battery protector plays a protective role, the refrigerator power indicator light flashes orange, and the display shows no display. Please charge the battery at this time.

Specific Parameters

Connection Voltage	Battery Monitor Status	Low Mode (LO)	Medium Mode (NED)	High Mode (HI)
12V	Stop Voltage	10.1±0.3V	11.4±0.3V	11.8±0.3V
	Restart Voltage	11.1±0.3V	12.2±0.3V	12.6 ±0.3V
24V	Stop Voltage	21.5±0.3V	24.1±0.3V	24.6±0.3V
	Restart Voltage	23.0±0.3V	25.3±0.3V	26.2 ±0.3V

If the refrigerator uses the car to start the power supply, it is recommended to select the HI file to ensure that the car battery voltage is at a high state. If using extra battery power, select the LO file. When using an adapter to connect to AC power, set the battery protector to the LO position.

Operation:

- Choose a stable and flat position to place the refrigerator.
- After connecting the power, press and hold the key for 3 seconds to turn on.
- The power indicator lights up in green and the refrigerator starts to cool.

Set temperature / select battery protector gear:

- Press SET button once to set the temperature of the refrigerator. Press "+" and "-" keys to adjust the setting temperature from 0~50°F.
- Press SET again to switch temperature unit. Use the "+" and "-" keys to adjust the display Celsius and Fahrenheit.
- Press the SET button again to enter the ABS voltage state. Use the "+" and "-" buttons to adjust the ABS to HI, NED or LO.
- The display will flash for 5-6 seconds after setting, indicating the value is set, and then shows the temperature of the refrigerator. (The "+" and "-" button won't work if you don't press SET first.)

Shut down:

- Long press on the refrigerator during operation
- When the refrigerator is running, press and hold the shutdown button for 3 seconds to shut down
- Pull out the cigarette butt socket



WARNING!

Please place the refrigerator in a well ventilated location and make sure the vents are not blocked.



NOTE!

Battery voltage is too low!

When the battery voltage is too low, the battery protector works, the refrigerator power indicator flashes orange, and the display does not display. Please charge the battery at this time.

Defrost

It is possible that frost or ice builds up on the inner wall of the refrigerator, which will affect the performance and efficiency of the cooling system and must be removed regularly.

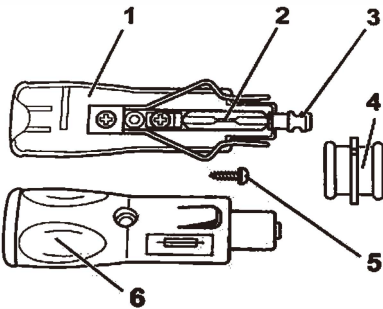
Defrost steps are as follows:

- Remove the storage from the refrigerator
- If necessary, store the items to another refrigerator
- Turn off the refrigerator and open the refrigerator door, keep it open until the frost melts in the refrigerator and remove the frost

Replace the fuse on the cigarette plug

- Remove the cigarette lighter plug cover
- Remove the screws on the upper half of the case with a screwdriver
- Carefully separate the upper and lower halves

- Replace the original damaged fuse with a new fuse of the same specification
- Reinstall in the reverse order



8. Cleaning and Maintenance



NOTE!

Unplug the power before cleaning and maintenance.

Do not use abrasive cleaning supplies or hard or sharp tools for cleaning. Always use a damp cloth to clean the inside of the refrigerator.

9. Troubleshooting

Malfunction	Reason	Approach
Car refrigerator does not work	Cigarette lighter socket without voltage	Turn on the cigarette lighter switch
The refrigerator does not work, the indicator light does not light; but the car cigarette lighter switch has been turned on; please check according to the right column	Whether the cigarette lighter socket is dirty or not, causing poor connection	If the plug becomes hot, the socket needs to be cleaned, or the plug may not be properly installed. Please clean or install it correctly.
	Smoke plug fuse burned out	Replace the new fuse with the same specifications as the burnt fuse
	Car fuse burned out	Refer to the car reference manual for replacement
The fault indicator flashes, and the car refrigerator does not work.	Check Error Description on page 4	Flashes 5 times, check if something cover air outlet; Flashes 4/3/2/1 times, check the battery and cable, charge the battery or replace the battery if necessary.
After the power is turned on, the refrigerator does not work, the power indicator flashes orange, and the display shows nothing	Battery voltage is too low	Check the battery and cable, charge the battery or replace the battery if necessary

10. Recycling

Place the packaging material in a suitable garbage collection bin; under the appliance recycling rules, the local recycling center or professional of the box consults the details to make the final recycling of the refrigerator.

11. Package List

No	Quantity	Description
1	1	Refrigerator
2	1	DC12V/24V power cord
3	1	Operation Manual

