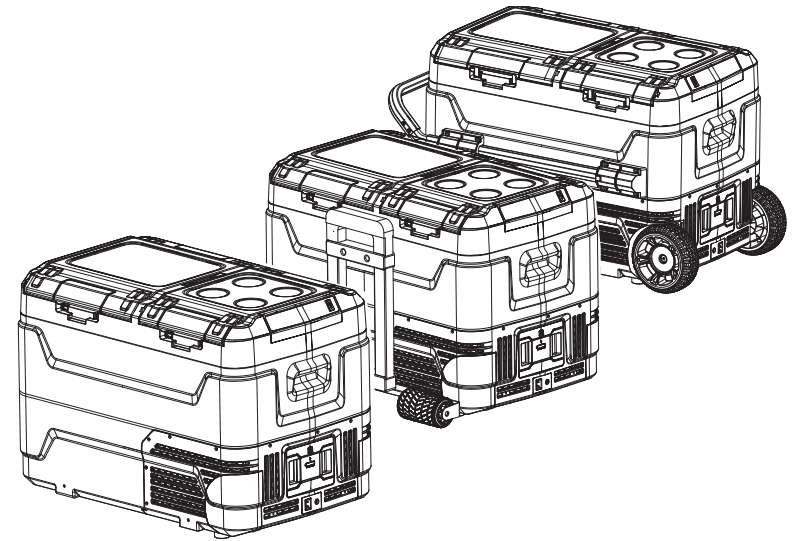


Dual temperature dual control
smart car fridge

User Manual

US-AS017-BK-X



Thank you for choosing a smart car refrigerator. Please read this user manual carefully and be familiar with the functions and operation requirements of the product, which will help you obtain high-quality service and better experience of the product!

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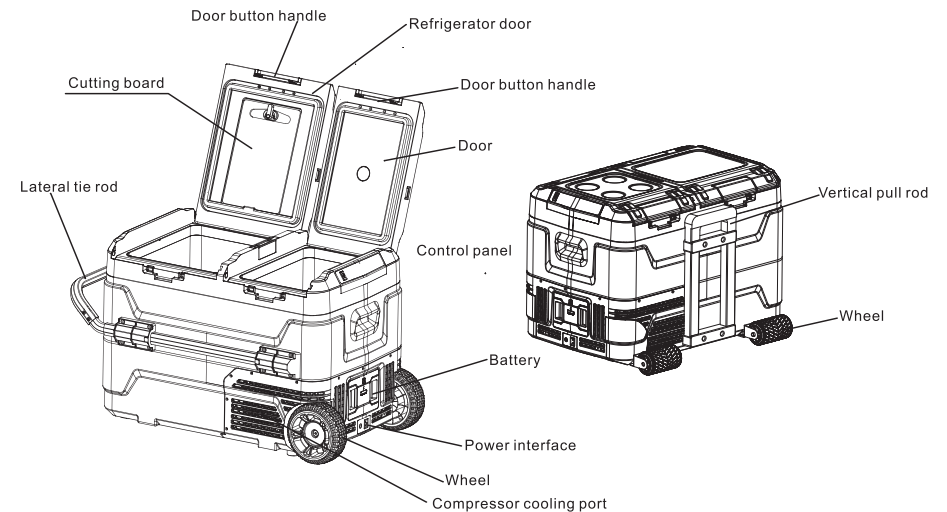
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Safety & Warnings

1. Indoor use only
2. Any quality or operation problem of the product can be dealt with after-sale by notifying the seller through the platform. If the power cord is damaged, notify the seller via the platform for specialised replacement by the manufacturer or professional to avoid danger.
3. Persons with reduced physical, sensory or mental capacity or lack of experience or knowledge should use the product under supervision and with knowledge of the dangers.
4. Keep the appliance and its cord out of the reach of children under 8 years of age. Do not allow children to operate the machine independently to avoid accidents.
5. Never leave the appliance unattended while it is connected to a power source.

Product function introduction

- ◆ High-quality DC variable frequency compressor and drive module are adopted to build a high-efficiency, energy-saving, stable and reliable mobile refrigeration system.
- ◆ Microcomputer intelligent control system is easy to be operated, with accurate temperature control.
- ◆ Innovative intelligent dual temperature zone function, free switching of freezing/refrigeration functions to meet different storage needs.
- ◆ Compatible with a variety of power input, intelligent recognition of DC12/24V voltage, meet the needs of various scenes, car, marine, home, outdoor, etc.
- ◆ With the function of voltage detection and low voltage protection, it can effectively prevent the car battery from over discharging.
- ◆ The inner container is made of grade plastic material, which is safe, anti-leakage and anti-odor.
- ◆ Built-in LED lighting, more convenient to use at night.
- ◆ High-definition LED digital display.
- ◆ Intelligent touch operation buttons and keyboard child lock function to prevent false trigger.
- ◆ Drainage plug function: convenient drainage, odor removal.
- ◆ USB charging parameters: 5V / 1A.



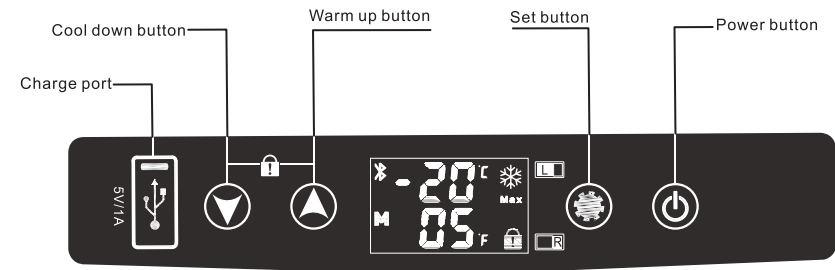
Product use safety

- ◆ Do not touch the exposed power cord.
- ◆ Do not touch power sockets and power strips with wet hands.
- ◆ Please ensure that the power supply lines and fuses have sufficient carrying current when using the product onboard.
- ◆ Please ask professional for installation if an AC device is used on cars, RVs and yachts.
- ◆ Make sure that the power is connected correctly.
- ◆ Do not submerge the product in water.
- ◆ Do not freeze cans, beers, etc. at low temperature in the refrigerator.
- ◆ Do not place any electrical equipment in the refrigerator.
- ◆ Only professional can maintain the product, or contact the salesman for maintenance.
- ◆ Do not keep the product exposed to rain or strong sunlight for a long time during use.
- ◆ Please keep the refrigerator stand for more than 6 h after it is received and unpacked.

Precautions for Use

- ① When using the refrigerator, please place it in a well ventilated place, which is conducive to heat dissipation. Especially, the gap between the cooling hole on the compression side and other objects must be greater than 100 mm, so as to prevent high temperature from causing failure or affecting the refrigeration effect.
- ② Do not keep the door open for a long time. The temperature difference between the inside and outside of the refrigerator will cause the refrigerator to form frost and affect the cooling effect.
- ③ Do not clean the refrigerator under water.
- ④ Do not use the refrigerator near the heat source, it will reduce the refrigeration performance of the refrigerator.
- ⑤ Please use the refrigerator on a flat surface, do not use it on uneven ground for a long time, it may affect the service life of the refrigerator and reduce the cooling efficiency.

Operation Safety Instructions



Temperature control range: -20°C ~ 20°C (-4°F ~ 68°F)

Temperature display range: -30°C ~ 40°C (-22°F ~ 104°F)

Standard voltage input range: DC 12V / 24V, maximum not exceeding DC 30V

1.Refrigerator Start-up/Stop:

Connect the DC12/24V power supply correctly. If the refrigerator is in a standby state ("OFF" character is displayed when the button is touched). Hold down the "⏻" button for 3 s to start the refrigerator. After start-up, the display shows the current temperature and working mode. After start-up delay (the factory default time is 1 minute), the refrigerator enters the working mode, and the compressor starts to work. To stop the refrigerator, you hold down the "⏻" button for 3 s while the keyboard is unlocked.

2.Refrigerator keyboard locking and unlocking operations:

Hold down the "⏻/⏮" button for 6 s to switch the locking mode, the child lock icon in the lower right corner of the display screen lights up. The keyboard is locked automatically if no operation lasts for 20 s.

3. Compressor working mode setting:

Press the "⊙" button to switch the compressor working mode "ECO/MAX". Switch to "MAX" mode if you need to quickly cool down to a lower temperature. Switch to "ECO" mode to save energy if you only keep the refrigerator at a constant temperature.

4. Low voltage protection setting:

This product has a low voltage protection function. When the battery voltage is lower than the set value, it automatically stops the compressor to prevent the damage to the battery or inability to start normally. This is indicated by the "E1" code on the display. If the voltage returns to normal level for 1 minute, the refrigerator automatically enters the working state. The factory default range is "Mid-Range". If you need to change it, follow the steps below:

a: Unlock the keyboard.

b: Hold down the "⊙" button for 3 s till a tick tone. Press the "⊙" button lightly again, and one of the battery protection level icons "L, M, Hn on the display will flash. Press the "▲/▼" to change the setting.

Specific value Refer to the table below:

Battery protection	12 V turn off	12 V Turn on	24V turn off	24 V Turn on
Low grade - L	8.5V	10.9V	21.3V	22.7V
Medium - M	10.1V	11.4V	22.3V	23.7V
High grade-H	11.1V	12.4V	24.3V	25.7V

Note: if your refrigerator enters the battery protection ahead of time, it is likely that your power supply voltage is insufficient and the low voltage protection value is set too high. Or your DC power supply wiring is not suitable, can not provide enough current. Check whether the power supply wiring is suitable, and consider appropriately lowering the battery protection value.

In order to ensure that the car can start normally, it is recommended to set the protection level at "H" when using the refrigerator on the car.

5.Refrigerator temperature setting:

Press the "▲/▼" button to choose the L or R temperature zone. Press "UP/DOWN" button to adjust the refrigerator temperature (The temperature value displayed on the display screen is the current set value; the temperature change 1 degree for each press). If you hold down it, you can quickly adjust to the required temperature. if the set temperature doesn't change within 5 s, the set value will be automatically saved.

6. Refrigerator L and R temperature zones closing setting: (L and R temperature zones cannot be closed synchronously.)

When setting the temperature, the L temperature zone flashes. press "⏻" key, and the L temperature zone closes to display "OFF".Press "⏻" again to display the normal temperature value.

After pressing "⊙" key again, the R temperature area flashes. Press "⏻" key to close the R temperature area and display "OFF".Press "⏻" again to display the normal temperature value.

Cleaning and Maintenance

Before cleaning, it is necessary to disconnect the power supply, and wipe the inner and outer surfaces of the refrigerator with a cleaning cloth dipped with an appropriate amount of water or detergent. It is not allowed to wash with water directly to avoid damaging electrical components.

When the refrigerator is not used for a long time, it is necessary to clean the inside and outside of the refrigerator and keep it dry, and take moisture-proof and dust-proof measures to avoid mildew and peculiar smell inside the refrigerator.

Error Code Description

When the compressor, module, fan, temperature sensing head or the input voltage are abnormal, an error code appears on the display screen, and the compressor stops. When the abnormality is eliminated, unplug the power supply and plug it back.

At this time, the refrigerator temperature display comes back. After 1 min, the compressor starts in the refrigeration mode.

The code description is shown in the table below:

Error	Problem	Solution
E0	The temperature sensing head is damaged	Please check or replace the temperature sensor
E1	Input voltage is too low	Please check the input voltage and adjust the battery protection level
E2	DC fan over current protection	Please check the cooling fan
E3	Abnormal start of compressor	Please turn off the power and let it stand for 30 minutes
E4	Abnormal compressor speed	Please adjust compressor operation mode (MAX/ECO)
E5	Module temperature too high	Please move the refrigerator to a ventilated place to lower the module temperature
E6	Module hardware failure	Power on after 30 minutes of power failure, if the fault is not eliminated, the module needs to be replaced

Frequently asked questions

◆ If the product does not work properly:

1. Check whether the power is on.
2. Check whether the voltage is too low.
3. Check all connections from battery to refrigerator for looseness or poor contact.
4. Check the fuse.
5. Check whether the refrigerator is turned on.
6. Check whether the temperature set too high.

◆ If the refrigeration performance is poor:

1. Too much food is put in the refrigerator.
2. The temperature of the food in the refrigerator is too high.
3. The door is not closed properly.
4. Whether the door seal (sealing ring) is damaged.
5. Whether the ventilation around the refrigerator is good.
6. The environment temperature is too high.
7. Incorrect temperature setting.

◆ You can hear the sound of "water flowing" in the refrigerator.

This is normal. It is caused by the flow of refrigerant.

◆ When the refrigerator starts, the sound is loud

1. Check whether the refrigerator is placed on a flat horizontal surface for use.
2. Check the surrounding objects for vibration.
3. At the moment of starting the compressor, when the motor runs from static to high speed, the sound will be a little louder. After the speed is stable, the sound will decrease, It is a normal phenomenon.

◆ There are water drops around the shell or door seal

It is normal for moisture in humid air to liquefy and condense into water droplets when it comes into contact with a lower temperature shell.

Technical parameter

Model	ED40	ED50	ED60
Input voltage	DC 12V/24V, AC100~240V		
Temperature control range	-20°C ~ 20°C (-4°F ~ 68°F)		
Cryogen	R134a		
Insulation materials	polyurethane foam		
Rated power	60W ± 20 %		
Rated current	5.0A/2.5A		
Net weight	18.3Kg	18.8Kg	19.3Kg
Product size(L*W*H)mm	674*409*466	674*409*516	674*409*583
Packing size(L*W*H)mm	775*525*535	775*525*585	775*525*650











Standard packing list

1. Car Refrigerator
2. DC Cigarette Lighter
3. Use Manual

Optional accessories

1. Power converter and supporting AC cable
2. Heat insulation covers
3. Wire net basket
4. Lithium batteries
5. Cooler
6. Horizontal / vertical pull rod and wheels
7. Cut the chopping board

Recommendations for Optimum Storage Temperature

	Purified water	5°C
	Drinks	5°C
	Fresh juice	8-10°C
	Red wine	13°C
	Fruits	5-8°C
	Vegetables	3-10°C
	Cooked Food	4°C
	seafood	-3°C
	meat	-18°C
	Frozen Foods	-18°C

After-sale Service and Quality Assurance

The refrigerator and the compressor have the quality assurance period of one year and three years from the date of purchase, respectively.

- ◆ Damage caused by improper use (such as direct washing under water, etc.)
- ◆ Damage caused by replacing parts that do not belong to our manufacturer.
- ◆ Man-made damage.
- ◆ Failure or damage caused by operation that does not follow the precautions in the manual.
- ◆ Failure or damage caused by disassembly without the permission of the manufacturer.
- ◆ Failure or damage caused by force majeure (such as earthquake, fire, etc.)
- ◆ The warranty does not cover the loss of items in the refrigerator.
- ◆ The warranty does not include damage to fuses, connectors, sockets, handles, etc.