

FRIDGE:

AC ADAPTER:



C29W

## CAR REFRIGERATOR WITH COMPRESSOR



C29W User Manual

## HOT SUMMER- ENJOY THE COOL JOURNEY

DC INVERTER COMPRESSOR, COOLING DOWN TO -22 °C

— Dual-use for car and home, care for love —

This product is mainly suitable for outdoor self-driving tour or car hotel, but also can be used in hotels, family-type hotels and other living environment.

## After-Sales Service: Warranty Card

### Product warranty card (user stub)

NO: \_\_\_\_\_ (seal valid)

Model No. \_\_\_\_\_ Item No. \_\_\_\_\_

Date of manufacture \_\_\_\_\_ Purchase date \_\_\_\_\_

User Name \_\_\_\_\_ User Telephone \_\_\_\_\_

Dealer \_\_\_\_\_ Sales Phone \_\_\_\_\_

△ Please fill in this warranty card correctly when purchasing. (In order to protect your rights, please use the dealer to sign and seal this guarantee at the time of purchase.)

### Product warranty card (distribution root)

NO: \_\_\_\_\_ (seal valid)

Model No. \_\_\_\_\_

Date of manufacture \_\_\_\_\_

Purchase date \_\_\_\_\_

User Name \_\_\_\_\_

User Telephone \_\_\_\_\_

△ Please fill in this warranty card correctly when purchasing. (In order to protect your rights, please use the dealer to sign and seal this guarantee at the time of purchase.)

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## Operation Suggestion

- With an additional battery, you can hold any temperature you want wherever you are.
- Ideal storage temperature for wine is 10°C-18°C, the precise temperature control of car refrigerator guarantees the constant temperature for it.
- When there is ice cream storage, please adjust the temperature to the lowest and keep the power on incessantly.
- Fruit cannot be kept in the hot car for more than 2 hours, even it is in the air conditioning. But car refrigerator effectively keep the fruit fresh for long time.
- Solve the deterioration issue of bottle water caused by the high temperature.
- High-grade sunglasses coating in the summer high temperature will be off the car refrigerator is an ideal place to place.
- Keep fresh for the frozen food and costly seafood during long travelling.
- Car refrigerator is the best choice for cosmetic storage outside.
- Freshness of tea leaves is effectively preserved by car refrigerator, you can enjoy the fresh and delicious tea whenever during the self-driving travel.

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## Attention

△ Before use, please read this manual carefully and keep it properly.

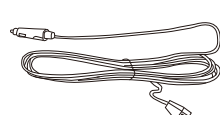
- Before use for the first time, clean the inside and outside of the car refrigerator with a damp cloth.
- Do not fill in corrosive liquids. Do not pour liquids directly into the car refrigerator.
- If not used for a long time, please disconnect the power supply and keep the inside of the car refrigerator dry.
- Please clean the inner cavity regularly to prevent odor bacteria and ensure food safety.

△ Connect the power supply

- Find the DC power cord in the kit. Connect the DC plug to the power interface of the car refrigerator.
- Car refrigerators are placed in the car (back-up, seats...).
- Arrange the power cable according to the space inside the car. The cigarette lighter plug is connected to the cigarette lighter hole.
- Press and hold the "ON/OFF" button for 3 seconds and the car refrigerator will be ready for use.



Connect the car cigarette lighter



DC power cord



Connect the car refrigerator (Standard model)



Connect the car refrigerator (Built-in model)

This product can be connected to more than one type of power supply. The car refrigerator is directly connected to 12V/24V DC power supply. If you want to use at home, pls buy a optional 100-240V AC adapter.

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## Car Refrigerator Operation

△ Car battery protection voltage reference

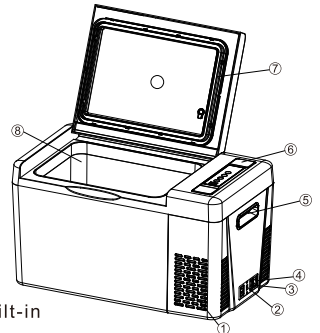
○ Built-in ECO electronic control module can automatically monitor the car battery voltage. Before the power consumption to affect the normal ignition of the car, the car refrigerator will automatically disconnect the power, in that way ensure that the car battery power will not be consumed too low and affect the normal ignition of the car.

Voltage	Factory Default Protection Value H Level		
	H high level	M Medium level	L Low level
12V	11.3V OFF, 12.5V ON	10.1V OFF, 11.4V ON	9.6V OFF, 10.9V ON
24V	24.6V OFF, 26V ON	22.3V OFF, 23.7V ON	21.3V OFF, 22.7V ON

Note: on the condition when the car refrigerator connects to the power and starts, OFF or ON refers to the OFF or ON of the compressor.

△ Parts schematic

- ① Compressor cooling hole
- ② Power interface
- ③ Three-level switch for battery protection
- ④ Fuse
- ⑤ Handle
- ⑥ Digital touch screen control panel
- ⑦ Sealing rubber strip
- ⑧ Refrigerator cabinet



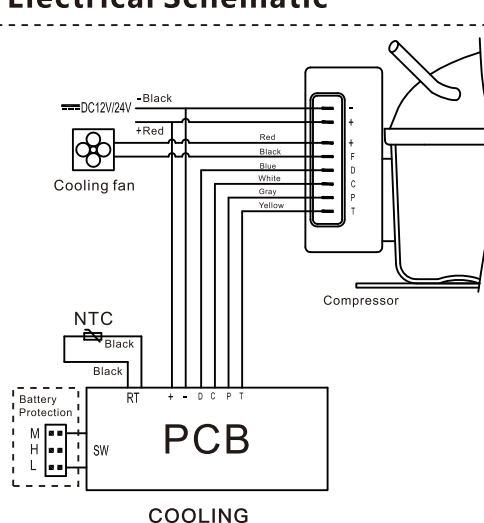
Note: ③ ④ Built-in mode means fuse and battery protection switch button built-in inside the fridge. Adjust this button on the touch screen.

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## Safety Attention

- Make sure that the power voltage connected to the car refrigerator is correct at any time (parameter labels have car refrigerator verification voltage parameters).
- Do not pour the liquid directly into the car refrigerator.
- It is forbidden to transform refrigerators privately to avoid danger.
- Refrigerator should not be exposed to the rain

## Car Refrigerator Electrical Schematic



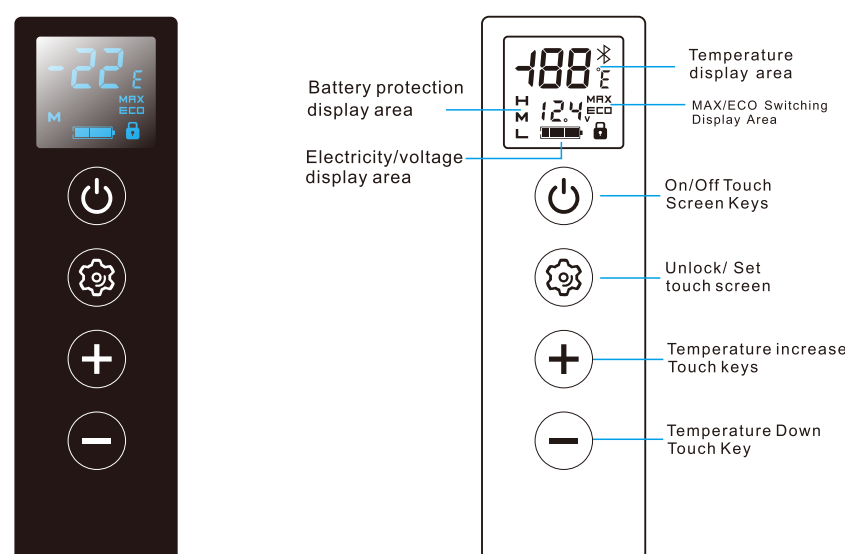
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## Troubles and Troubleshooting

- △ E1
  - Condition one: insert refrigerator power cord into car cigar lighter when it doesn't start. Solution: to connect the refrigerator later after the car starts.
  - Condition two: the input voltage of the adapter is too low. Solution: to adjust the battery protection level to middle or low level. If fridge still no start properly, pls use a new adapter.
- △ E2
  - E2 please replace a new fan when you confirm the fan malfunction.
- △ E3
  - Condition one: E3 appears when use fridge in car, pls shutdown fridge 5 minutes and after that, it can work normally. If it still not works after restart, it is E1 fault, with reference to E1 Fault troubleshooting and solution.
  - Condition two: E3 appears when use fridge at home, to adjust battery protection level to middle or low level. If it still no works properly, pls use a new adapter.
- △ E4
  - E4 Compressor turbine speed too low. The input voltage needs to be adjusted. reconnect the power.
- △ E5
  - E5 Controller chip overheating. It needs to shutdown the power of fridge for 5 minutes. After that, to check whether it is an overheating caused by the blockage around the vent of the compressor.

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## Car Refrigerator Operation



Note: Built-in mode: means the fuse and three-level battery protection switch button built-in inside the fridge. Standard mode: means the fuse and three-level battery protection switch button install outside the fridge.

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## Temperature Adjustment Settings

○ To adjust the internal temperature of the car refrigerator by touching the smart touch screen.

○ Operation Method:

- Press [On/Off] key for 3 seconds to turn on/standby the refrigerator.
- Press the [+/-] key to adjust the temperature.
- Press the [+/-] key for a long time. The preset temperature is linearly adjusted with a speed of 2°C. During the adjustment, the number does not flicker.
- Within 3 seconds after the operation panel has not detected any key operation, the temperature display will stop flashing. exit the temperature setting, and save the currently set temperature.
- The temperature display shows the actual temperature inside the box.
- In the standby mode, only the [ON/OFF] button is on, and the temperature display and button are off.
- In working status, press [SET] key to perform MAX/ECO switching.
- Temperature adjustment function: can be adjusted between -22 °C ~ +10 °C.
- Temperature conversion: Press [set] and [+/-] 3 seconds at the same time Celsius (°C) \ Fahrenheit (°F) temperature switch.
- Power protection mode: In the power-on state, press "Set" button for 3 seconds to enter the battery protection setting. Click "Set" button to switch H>L>M in turns, then corresponding gear flashes for 5 seconds, exits and saves. Recommend high level setting for car battery.
- Note: please adjust the refrigerator parameters while unlocking. If the refrigerator is locked, press "set" up for 3 seconds to unlock it.

△ The car refrigerator has a power-off memory function, and the working state (power on/off state and working mode) before the power off is automatically restored after the next power on, and there is no need to set it again.

△ ECO: Energy-saving cooling      △ MAX: Powerful cooling

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## Troubles and Troubleshooting

Advice: If an abnormal situation cannot be resolved through simple fault analysis, please contact professional customer service for assistance.

△ The car refrigerator does not work

- Check whether if the power is connected correctly or not. (If the plug is loose, positive and negative poles are reversed).
- Check whether the power switch on the operation panel is turned on.
- Check the cooling ventilation is normal.
- Check whether if the fuse is blown or not

△ The definition of the error code on the display

Error Code	Error Type
E1	Input voltage too low
E2	Fan Problem
E3	Compressor starts up frequently. Input voltage fault.
E4	Compressor turbine speed too low.
E5	Controller chip overheating
E6	NTC opening or short circuit

△ Poor cooling situation

- Check whether the door is closed
- The door cover seal is damaged or deformed and the seal is not strict.
- Poor ventilation in the car refrigerator cooling.
- Improper temperature settings.

△ Abnormal noise

- The place of car refrigerator is not stable.
- Hit the wall or other items.
- Internal parts loose or fall off.

△ The refrigerator surface condensation

- When the ambient air humidity > 75%, the surface of the box will normally have slight condensation.

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