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Technical Support and E-Warranty Certificate www.vevor.com/support

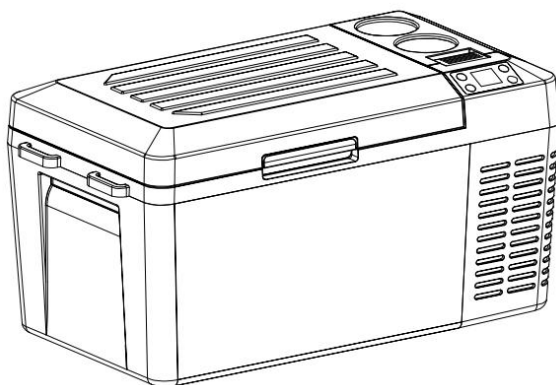
CAR REFRIGERATOR USER MANUAL

MODEL: J20

We continue to be committed to provide you tools with competitive price.

"Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and does not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

J20



<Picture Only For Reference >

NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:

 CustomerService@vevor.com

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.



This product is subject to the provision of European Directive 2012/19/EU. The symbol showing a wheeled bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices.

Attentions

Before using the refrigerator, please read this manual carefully and keep it properly

1. Before using the refrigerator, clean it inside and outside with a damp cloth.
2. Do not fill the refrigerator with corrosive liquids. Do not directly pour liquids into the refrigerator.
3. When the refrigerator is not used for a long time, please disconnect the power supply and keep it dry.
4. Regularly clean the inner chamber to prevent odor and bacteria and ensure food safety.
5. Shut down the refrigerator and battery before pulling by the trolley (if with battery).

Connect the Power Supply

1. Find the DC power cord in the kit. Connect DC plug to the power outlet of the car refrigerator.
2. Well place the refrigerators in the car (back-up, seats...).
3. Lay out power cords per your car's interior space. Insert the cigarette lighter plug (one side of the power cord) into the car cigarette lighter hole.



Adapter



Connect the car cigarette lighter



DC 12/24V

Connect the car refrigerator

- 1.The refrigerator can be connected to more than one energy source.
- 2.The refrigerator can connect directly to the DC12V/24V power supply.
- 3.If the refrigerator is used an AC100-240V power supply, an AC adapter should be adopted.

Car Refrigerator Operation

Car battery protection voltage reference:

Built-in ECO electronic control module can automatically monitor car battery voltage. The refrigerator will be automatically cut off when the power is excessively consumed, protecting the battery consumption from being too low to affect auto-ignition.

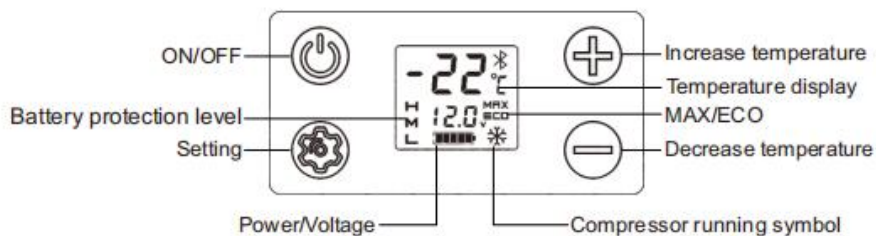
Battery Voltage	Factory default voltage protection value H		
	H (high) level	M (medium) level	L (low) level
DC12V	DC11.3V OFF	DC10.1V OFF	DC9.6V OFF
	DC12.5V ON	DC11.4V ON	DC10.9V ON
DC24V	DC24.6V OFF	DC22.3V OFF	DC21.3V OFF
	DC26.0V ON	DC23.7V ON	DC22.7V ON




Note: When the power supply is connected and the refrigerator is turned on, disconnecting or starting refers to disconnecting or starting the compressor.




Component Diagram

1. Compressor cover
2. Power inlet
3. Recessed handle
4. Control panel
5. USB
6. Door gasket
7. Inner light
8. Storage compartment

Optional Operation Method



Item	Description	Explanation
1		Switch the fridge on when the button is pressed briefly. Switch the cooler off when the button is pressed again.
2		Press briefly to select MAX or ECO. In MAX mode, the compressor runs fast to reduce temperature rapidly. In ECO mode, the compressor runs slowly to save energy.
3		Press briefly to increase the set temperature by 1 degree. Press continuously to increase the temperature fast. The maximum setting can be 10 °C, and the minimum setting can be - 20 °C(The default value for the initial startup is

		0 °C/32 °F).
4		Press briefly to decrease the setting temperature by 1 degree. Press continuously to decrease temperature fast. The maximum setting can be 10°C, and the minimum setting can be - 20°C (The default value for the initial startup is 0 °C/32 °F).
5	 + 	Press simultaneously for 3 seconds to change temperature unit between °F and °C. Please make sure no symbol is flashing when you use this function.

Function Introduction

Battery Protection Setting (The factory default voltage is H1)

1. Battery Protection Levels: H (High) > L (Low) > M (Medium)

2. Press the key for 3s to enter the battery protection setting. Press the key again to switch H>L>M levels in turns.

3. If no operations were detected, the set level will flash for 3s, then exit and save the current setting.

Power-off Memory Function

There is a power-off memory function for car refrigerators. When the power is lost, the working state (On/Off status, working mode, etc.) before power-off can be automatically recovered at the next startup; no need to set it again.

ECO: Energy-saving cooling MAX: Powerful cooling.

Model Parameter Table:

Model No.	Capacity	Voltage	AC Power	DC Power	Temperature Adjustable	Plug type
J20	20L	AC100~240V (50/60Hz) DC 12V/24V	Cooling: 60W	Cooling: 60W	50~-4°F	USA plug DC plug

J20	20L	AC100~240V (50/60Hz) DC 12V/24V	Cooling: 60W	Cooling: 60W	10~-20℃	EU plug DC plug
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Simple Fault Analysis

Advice: If abnormal situations cannot be resolved through a simple fault analysis, please get in touch with professional customer service for assistance.

Car Refrigerator Does Not Work

1. Check if the power is connected correctly. (check If the plug is loosened or positive and negative poles are reversed).
2. Check if the power switch on the operation panel is turned on.
3. Check if the cooling ventilation is normal.
4. Check if the fuse is blown.

Poor Cooling Performance

1. Check if the lid is closed correctly.
2. Check if the door seal is damaged or deformed.
3. Check if there is poor ventilation around the fridges.
4. Check if the temperature is set correctly.

△Definition of Error Codes on the Display

Error Code	Error Type
E1	Low Input Voltage
E2	Fan Fault
E3	Compressor start failed
E4	Low Rotational Speed of Compressor
E5	Controller module temperature too high
E6	Open or Short Circuit of NTC

Abnormal Noise

1. The car refrigerator is not placed smoothly.
2. Touch a wall or other object.
3. There are parts loose or falling off inside.

Condensation on Refrigerator Surface

When the ambient air humidity exceeds 75%, slight condensation will occur on the box surface, which is normal.

Failures and Solutions

△E1: Low Input Voltage

Failure 1: Insert the refrigerator power cord into the cigarette lighter before the car starts. Solution 1: Wait a while to connect the car after it starts.

Failure 2: The input voltage of the adapter is too low.

Solution 2: Adjust the battery protection level to middle-voltage or low-voltage. If it doesn't work, please replace a new adapter.

△E2: Fan Fault

Please replace a new fan when you identify there is a fan malfunction.

△E3: Input Voltage Fault Due to Compressor Frequently Start

When the refrigerator is used in the car, and E3 appears, Please shut it down for 5 minutes and restart it.

If it doesn't work, that can be identified to be EI fault; please solve it according to the solution of EI.

When the refrigerator is connecting with the adapter and E3 appearing

- ① Please adjust the battery protection level to the middle or low level.
- ② If it doesn't work, please replace a new adapter.

△E4: Low Rotational Speed of Compressor

Please adjust the input voltage and repower it.

△E5: Overheating of Controller Chip

Please power off for 5 minutes and check if the lousy ventilation around the compressor causes the overheating.

Use Suggestions

1. If equipped with a backup battery, you can maintain any temperature you set under any circumstances without worries.
2. When placing ice cream, please adjust the temperature to the lowest; it must be powered on for a long time.
3. Prevent the health problems of drinking bottled water caused by high temperatures.
4. Frozen food, rare seafood, and vehicle-mounted refrigerators let frozen fresh food accompany the journey.
5. Healthcare products, insulin, and imported drugs need to be refrigerated, and the precise temperature control of onboard refrigerators will escort health along the way.
6. The tea leaves are effectively kept fresh in the car refrigerator, and you can drink fresh and delicious tea anytime during the self-driving tour.
7. The best storage temperature of red wine is 10 °C - 18 °C (50 - 64.4 °F). The precise temperature control of the car refrigerator can effectively ensure the storage temperature of red wine.
8. The storage time of high-grade fruit in the car at high summer temperatures will be at least 2 hours. The storage time is shorter even if the air conditioner is turned on. Using a car refrigerator can effectively preserve high-grade fruit.
9. The coating of high-grade sunglasses will fall off under the high temperature in summer. The car refrigerator is an ideal place to place it.
10. High-grade cosmetics quickly deteriorate under high temperatures in the car. Carry cosmetics with the car; the car refrigerator will be your better choice.

Safety Precautions

- (1) Ensure that the power voltage connected to the onboard refrigerator is correct at any time

(The parameters are labeled with the approved voltage parameters of the onboard refrigerator).

(2) Do not pour liquid directly into the car refrigerator.

(3) Modifying the refrigerator without permission is forbidden to avoid danger.

(4) This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities or lack of experience and knowledge unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.

(5) Children should be supervised to avoid playing with the appliance.

(6) This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

(7) To avoid a hazard due to the instability of the appliance, it must be fixed under the instructions.

(8) Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

WARNING: This appliance contains flammable foaming agent cyclopentane:

1) Please avoid contact fire when you transport and use it.

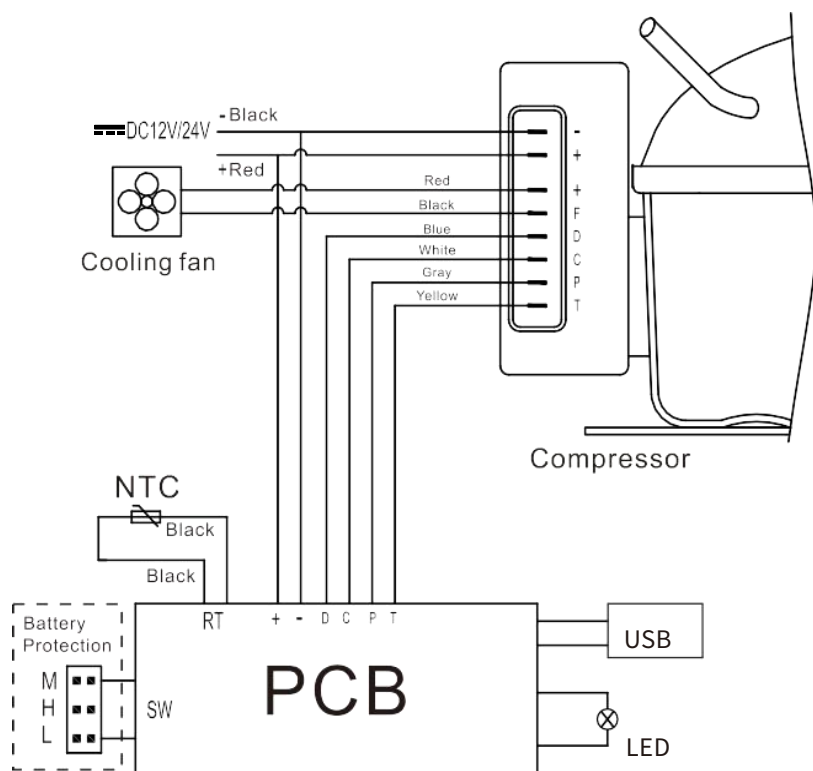
2) Please ask a professional for servicing when the machine breaks down.

3) Please send it to your local appointed disposal station when you discard it.



WARNING: During use, service, and disposal of the appliance, please pay attention to a symbol similar to the left side, which is located on the rear of the appliance (rear panel or compressor) and with yellow or orange color. It's a risk of fire warning symbol. There are flammable materials in refrigerant pipes and compressors. Please be far away fire source during use, service, and disposal.

Electrical Schematic Diagram



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