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## BougeRV CRD45

# BougeRV CRD45 48 Quart Dual Zone Car Refrigerator User Manual

Model: CRD45 | Brand: BougeRV

## 1. PRODUCT OVERVIEW

The BougeRV CRD45 is a versatile 12-volt portable car refrigerator featuring a dual-zone, dual-door design. This innovative appliance allows for independent temperature control in each compartment, functioning as a refrigerator, freezer, or a combination of both. It is ideal for use in trucks, vans, RVs, campers, SUVs, boats, and for various travel and camping needs.

Key features include mobile APP control for convenient temperature adjustment and monitoring, a removable door for flexible opening methods, and robust off-road wheels with an extendable handle for enhanced portability.



Figure 1.1: The BougeRV CRD45 48 Quart Dual Zone Car Refrigerator and its detachable battery.



Figure 1.2: The CRD45 refrigerator and detachable battery, ready for outdoor adventures.

## 2. SETUP

Before initial use, ensure the refrigerator and detachable battery are properly charged. The unit can be powered via

a 12V/24V DC car cigarette lighter or a 110-240V AC wall outlet. The included 173Wh detachable battery provides extended wireless operation.

## 2.1 Battery Installation and Charging

The 173Wh detachable battery is designed to seamlessly integrate with the CRD45 refrigerator. To install and charge the battery, follow these steps:

1. Locate the battery compartment on the side of the refrigerator.
2. Open the battery compartment cover.
3. Insert the detachable battery into the compartment, ensuring it clicks securely into place.
4. The battery will charge automatically when the refrigerator is connected to an external power source (AC or DC).



Figure 2.1: Step-by-step guide for installing the detachable battery.



Figure 2.2: Powering options for the refrigerator, including AC/DC and wireless battery use.

The portable power station is specifically designed for BougeRV CRD35, CRD45, CRD55, ED35, ED45, and ED55 models. It offers convenience for outdoor use without the need for an AC adapter, DC cord, or a bulky external energy storage battery.

# WIRELESS POWER SUPPLY



Figure 2.3: The wireless power supply system, highlighting pass-through recharging and solar charging compatibility.

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Video 2.1: Set off! Start a road trips with BougeRV REFRIGERATOR! This video demonstrates the portability and ease of transport of the refrigerator for outdoor adventures.

## 3. OPERATING INSTRUCTIONS

The CRD45 refrigerator offers flexible temperature control and operating modes to suit various needs.

### 3.1 Temperature Control and Dual Zones

This refrigerator features true dual-zone temperature control, allowing you to set different temperatures for each compartment. The temperature range for both zones is  $-4^{\circ}\text{F}$  to  $68^{\circ}\text{F}$  ( $-20^{\circ}\text{C}$  to  $20^{\circ}\text{C}$ ). This enables simultaneous cooling of drinks and freezing of meat without affecting the temperature of the other zone when one door is opened.

# REAL DUAL ZONE

Dual Zone Dual Door



Better Temperature Control In 4 Options

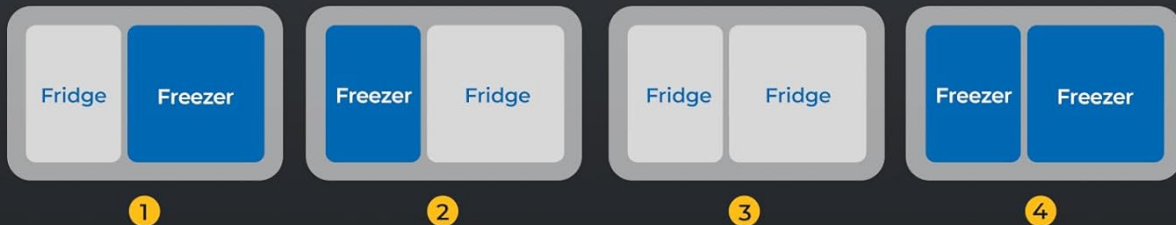


Figure 3.1: The four possible configurations for the dual-zone temperature control.



Figure 3.2: Demonstrating the versatility of dual zone temperature control in an outdoor setting.

## 3.2 Mobile APP Control

Control the temperature, set the operating mode, and turn the refrigerator on/off conveniently and accurately via the mobile application. You can check the temperature and device status at any time. Refer to the user manual included in the box for detailed instructions on downloading and connecting the application.

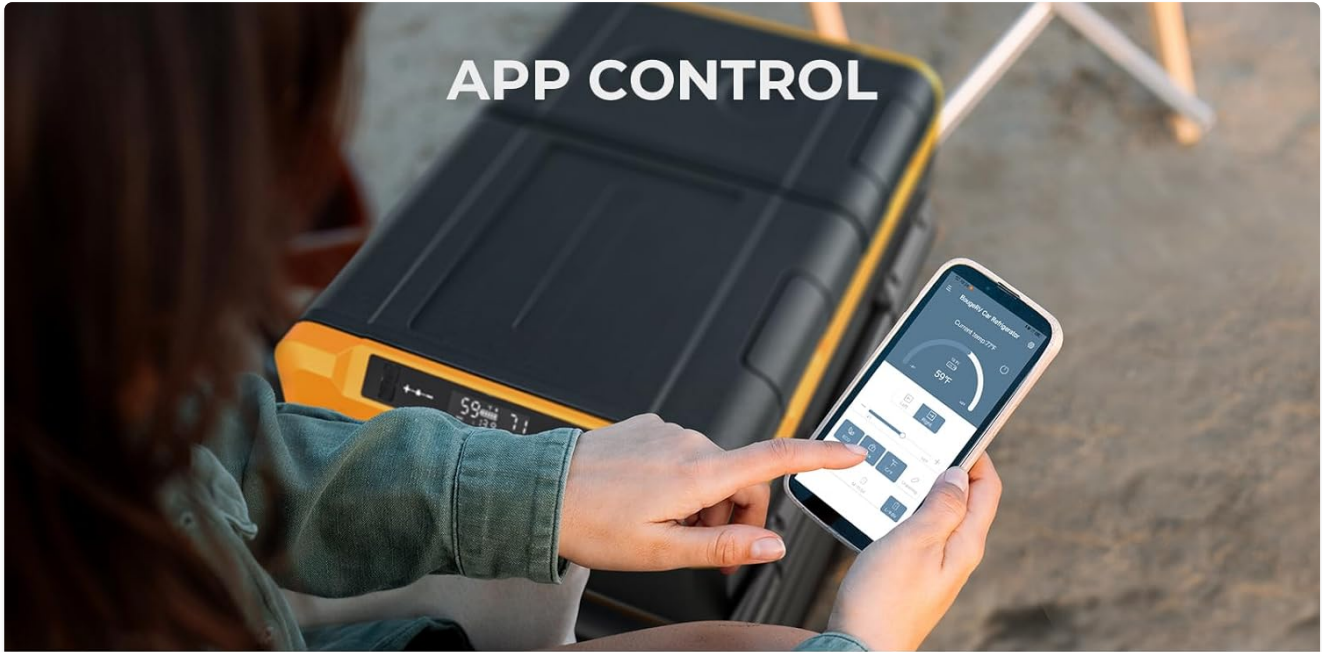


Figure 3.3: Controlling the refrigerator via the mobile application, with solar charging capability.



Figure 3.4: Adjusting the temperature settings using the dedicated mobile application.

### 3.3 Operating Modes (ECO/MAX)

The refrigerator features ECO and MAX modes for power consumption optimization. In ECO mode, the working power is less than 45 watts. In MAX mode, the power consumption operation is below 1KWh per day, ensuring efficient cooling or freezing.

### 3.4 Power Options and Battery Life

The CRD45 can be powered by your vehicle's 12V/24V DC outlet or a standard 110-240V AC power source. The 173Wh detachable battery provides significant runtime:

- **Refrigeration (35-46°F):** Approximately 10 hours.
- **Freezing (Below 32°F):** Approximately 5 hours.

Switching to ECO Mode can extend the battery life further. The battery can also be charged via solar panels (sold separately) in approximately 5 hours.

# 4-10H EXTENDED RUN TIME

With BougeRV 173Wh battery,  
savor up to 4-10H of Wire-free access to power the  
48QT dual zone dual door car refrigerator



## DISCHARGE TIME (ECO AND MAX MODE)

Refrigeration (35-46°F)

About 10H

Freezing (Below 32°F)

About 4H

Figure 3.5: Extended run time provided by the 173Wh detachable battery.



# Solar Charging in 5H

Figure 3.6: The refrigerator can be charged via solar panels for extended off-grid use.



Figure 3.7: Technical specifications of the 15600mAh detachable battery.

**Experience the freedom of wireless when you're outdoor**



Figure 3.8: Enjoying wireless freedom with the portable refrigerator in an outdoor environment.

### 3.5 Product Videos

Watch these official product videos for a visual guide on the features and operation of your BougeRV CRD45 refrigerator.

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Video 3.1: Dual Zone Refrigerator for Outdoor Living. This video demonstrates the dual-zone functionality and various uses of the refrigerator in outdoor settings.

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Video 3.2: BougeRV Dual Zone Refrigerator. A comprehensive overview of the BougeRV dual zone refrigerator's features and benefits.

## 4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your BougeRV CRD45 refrigerator.

### 4.1 Cleaning

Regularly clean the interior and exterior of the refrigerator with a damp cloth and mild detergent. Avoid abrasive cleaners or solvents. Ensure the unit is unplugged before cleaning.

### 4.2 Drain Plug

The refrigerator is equipped with a drain plug for easy cleaning and defrosting. To drain water, simply open the plug located at the bottom of the compartment.

### 4.3 Adjustable and Detachable Door

The door of the CRD45 can be removed and re-attached to change the opening direction, adapting to your specific needs, scenario, or habit. This feature enhances convenience when accessing food and drinks, especially in confined spaces.



Figure 4.1: The dual door and detachable door design for flexible access.

## 5. TROUBLESHOOTING

If you encounter any issues with your BougeRV CRD45 refrigerator, please refer to the following general advice. For specific error codes or persistent problems, consult the detailed user manual or contact BougeRV customer service.

- **Unit Not Cooling:** Check power connections (AC/DC), ensure the battery is charged, and verify temperature settings.
- **Display Errors (e.g., F1):** These often indicate power supply issues or internal faults. Try disconnecting and reconnecting power. If the error persists, contact support.
- **Excessive Noise:** Ensure the unit is on a stable, level surface and that vents are not obstructed.

Always ensure proper ventilation around the unit for optimal performance.

## 6. SPECIFICATIONS

Feature	Specification
Brand	BougeRV
Model	CRD45
Capacity	48 Quarts
Product Dimensions	28"D x 18.1"W x 20"H
Color	Black and Yellow
Material	Plastic
Temperature Range	-4°F to 68°F (-20°C to 20°C)
Power Source	12V/24V DC, 110-240V AC
Detachable Battery	173Wh (15600mAh, 11.1V)
Special Features	Dual Zone, Dual Door, Mobile APP Control, Portable, Off-road Wheels, Extendable Handle, Detachable Door
Included Components	1 * CRD45 car refrigerator, 1 * BougeRV 173Wh portable power station, 1 * user manual

# 48QT LARGE CAPACITY



Figure 6.1: Dimensions and capacity details of the 48 Quart refrigerator.

## 7. WARRANTY AND SUPPORT

BougeRV provides a **2-YEAR warranty** for the CRD45 car refrigerator and the 173Wh portable power station. If you have any questions or require assistance with your product, please reach out to BougeRV customer service for hassle-free support.

For further assistance, visit the official BougeRV store on Amazon: [BougeRV Store](#).

