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› **BougeRV 12 Volt Car Refrigerator, CRD2 43 Quart Portable Fridge Freezer with APP Control, -4°F to 68°F Dual Zone Compressor Electric Cooler 12/24V DC, 110~240V AC for Overlanding, Camping, RV, Truck**

BougeRV CRD04001

BougeRV 12 Volt Car Refrigerator

USER MANUAL

Model: CRD04001

Introduction

Thank you for choosing the BougeRV CRD2 43 Quart Portable Fridge Freezer. This manual provides essential information for the safe and efficient operation of your new portable refrigerator. Please read it thoroughly before use and retain it for future reference.

Key Features

- **Dual Zone with Independent Temperature Control:** This 12-volt refrigerator features two separate zones, each with adjustable temperatures from -4°F to 68°F, allowing for both cooling and freezing simultaneously. It can be configured as a combination of fridge/freezer, fridge/fridge, freezer/freezer, or freezer/fridge to meet diverse food storage requirements.
- **APP Control:** Control temperature settings, switch modes, or turn the 43 Quart portable freezer on/off via the BougeRV App, eliminating the need for manual adjustments at the unit. Monitor its operating status at any time within a 32ft distance limit.
- **43 Quart Spacious Capacity:** Designed to store food and drinks, enhancing convenience and enjoyment during your travels. It includes two removable baskets for easy food access and built-in lights in each zone for visibility, even at night.
- **Wheels & Handle for Easy Transport:** Equipped with durable wheels and a telescopic handle for effortless transport from your vehicle to your campsite. Features a solar charging port (60W max, 12V 5A) for extended outdoor use when paired with compatible BougeRV accessories (sold separately).
- **Quiet Operation:** Operates at a noise level of $\leq 45\text{dB}$, ensuring peaceful outdoor moments.

Setup

1. **Unpacking:** Carefully remove the refrigerator and all accessories from the packaging. Inspect for any shipping damage.
2. **Initial Placement:** Place the refrigerator on a stable, level surface. Ensure adequate ventilation around the unit, leaving at least 6 inches of space on all sides for proper airflow.

3. Power Connection:

- **DC Power (12V/24V):** Connect the provided DC cord to the refrigerator's DC input port and then to your vehicle's 12V/24V outlet.
- **AC Power (110~240V):** Connect the provided AC adapter to the refrigerator's AC input port, then plug the adapter into a standard 110~240V AC wall outlet.
- **Solar Power (Optional):** For extended outdoor use, connect a compatible BougeRV solar panel (e.g., 100W) to a BougeRV 173Wh battery (both sold separately), and then connect the battery to the refrigerator.

4. Initial Cooling:

For optimal performance, it is recommended to pre-cool the refrigerator for several hours before loading it with items.

Multiple Power Options



Powered by AC (110~240V)



DC (12/24V)



Solar Power and Battery

Figure 1: Multiple Power Options for the BougeRV CRD2 Portable Fridge Freezer.

Operating Instructions

1. **Powering On/Off:** Press and hold the power button on the control panel to turn the unit on or off.
2. **Temperature Adjustment:** Use the control panel buttons to set the desired temperature for each zone. The

dual-zone functionality allows for independent temperature settings.

3. **APP Control:** Download the BougeRV App from your device's app store. Follow the in-app instructions to pair your refrigerator. Once connected, you can remotely adjust settings and monitor performance.
4. **Mode Switching:** The refrigerator may offer different operating modes (e.g., ECO for energy saving, MAX for rapid cooling). Refer to the control panel or app interface for mode selection.
5. **Using Baskets:** The included removable baskets facilitate organization and easy access to contents.
6. **Reversible Doors:** The doors are designed to be reversible, allowing you to adjust the opening direction to suit your preference or space constraints.



Figure 2: Control the BougeRV CRD2 Portable Fridge Freezer using the dedicated mobile application.

Dual Zone Fridge & Freezer

Both zones are adjustable from -4°F to 68°F



Figure 3: The dual-zone design allows for flexible temperature configurations.

Maintenance

- Cleaning:** Regularly clean the interior and exterior of the refrigerator with a damp cloth and mild detergent. Avoid abrasive cleaners.
- Drainage System:** The unit features an easy drainage system for simple clean-up. Open the drain plug at the bottom to remove any accumulated water.
- Defrosting:** This unit features manual defrost. If ice builds up, turn off the unit and allow the ice to melt naturally. Use a soft cloth to wipe away melted water. Do not use sharp objects to remove ice.
- Storage:** When storing the refrigerator for extended periods, ensure it is clean, dry, and unplugged. Leave the lids slightly ajar to prevent odors and mildew.

Troubleshooting

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Refrigerator not turning on	No power supply; loose connection; blown fuse.	Check power source and connections. Ensure vehicle outlet is active. Check vehicle fuse.
Not cooling effectively	Insufficient ventilation; overloaded; door not sealed properly; ambient temperature too high.	Ensure proper airflow around the unit. Do not overload. Check door seal for obstructions. Allow more time to cool in high ambient temperatures.
App connectivity issues	Bluetooth out of range; app not updated; interference.	Ensure device is within 32ft. Update the BougeRV App. Restart both the refrigerator and your device.
Unusual noise	Unit not level; internal components vibrating.	Place the unit on a level surface. If noise persists, contact customer support.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact BougeRV customer support for assistance.

Specifications

Specification	Value
Brand Name	BougeRV
Model Info	CRD04001
Item Weight	36.6 pounds
Product Dimensions	17.6 x 29.7 x 17.3 inches
Capacity	43 Quarts
Annual Energy Consumption	136.88 Kilowatt Hours Per Year
Refrigerator Fresh Food Capacity	40 Liters
Freezer Capacity	40 Liters
Installation Type	Freestanding
Form Factor	Portable
Color	Black
Voltage	12 Volts (DC)
Defrost System	Manual
Door Hinges	Reversible
Number of Shelves	2
Number Of Doors	1
Date First Available	February 26, 2025

What's in the Box

Your BougeRV CRD2 43 Quart Portable Fridge Freezer package includes:

- 1 x 43 Quart Portable Refrigerator
- 1 x DC Cord
- 1 x AC Adapter
- 1 x User Manual
- 2 x Baskets



Figure 4: Included components in the product package.

Warranty & Support

BougeRV provides **2-year Tech Support** for your CRD2 43 Quart Portable Fridge Freezer. If you have any questions about the product, require technical assistance, or need to address any concerns, please reach out to BougeRV customer support. Our friendly team is ready to assist you.

For more information or to contact support, please visit the official BougeRV website or refer to the contact details provided in your user manual.