

## BODEGA 83L (2.94 cu.ft) RV Refrigerator

# BODEGACOOLER 83L 12 Volt RV Refrigerator User Manual

Model: 83L (2.94 cu.ft) RV Refrigerator

## 1. IMPORTANT SAFETY INFORMATION

Please read all safety warnings and instructions carefully before operating the appliance to prevent injury or damage. Keep this manual for future reference.

- Ensure the power supply matches the voltage requirements (12/24V DC).
- Do not block ventilation openings. Maintain adequate clearance around the unit.
- Do not use electrical appliances inside the storage compartments unless they are of the type recommended by the manufacturer.
- Avoid placing hot food directly into the refrigerator; allow it to cool first to prevent excessive strain on the cooling system.
- Always disconnect power before cleaning or performing maintenance.
- This appliance is designed for mobile use in vehicles, RVs, camping, and boats. Ensure it is secured during transit.
- Do not immerse the unit in water or expose it to excessive moisture.
- Keep out of reach of children.

## 2. PRODUCT OVERVIEW

The BODEGACOOLER 83L RV Refrigerator is a versatile dual-zone appliance designed for mobile use, offering both refrigeration and freezing capabilities. It features APP control, a reversible door, and multiple storage options, making it ideal for various outdoor and travel scenarios.

### 2.1 Key Features

- **Professional & Powerful Compressor:** Capable of chilling down to -4°F (-20°C) for efficient cooling and freezing.
- **Dual Zone Functionality:** Features a dedicated freezer compartment (8.65L) and a larger refrigerator compartment (74.35L), allowing for simultaneous cooling and freezing.
- **APP Control:** Enables convenient monitoring and adjustment of settings (temperature, mode, voltage) via a mobile application.
- **User-Friendly Design:** Includes a removable crisper drawer, adjustable shelf, bottle holder, egg tray, drain plug, interior LED light, and a reversible door for flexible installation.
- **Battery Protection:** Offers 3 selectable levels (H/M/L) to prevent excessive discharge of your vehicle's battery.
- **Energy Saving Modes:** Choose between MAX (Fast Cooling) for rapid temperature changes and ECO (Energy Saving) for optimized power consumption.

- **Low Noise Operation:** Operates at less than 45dB, ensuring a quiet environment.
- **Anti-Slip Design:** Maintains normal operation even on bumpy roads or inclines up to 45 degrees.

## 2.2 Product Visuals and Components



**Figure 1:** Front view of the BODEGACOOLER 83L RV Refrigerator. This image showcases the sleek design and the integrated control panel, with a smartphone demonstrating the remote APP control capability.

# Making your food always fresh during the journey



**Figure 2:** The BODEGACOOLER 83L RV Refrigerator seamlessly integrated into a camper van interior, demonstrating its compact fit and utility for mobile living.

# Easily Holds Different Types of Food



Vegetables



Meats



Beverages



Fruits

**Figure 3:** Interior layout of the refrigerator, highlighting the distinct freezer area (8.65L) and the larger refrigeration area (74.35L). Dimensions are provided to illustrate the internal capacity for various food and beverage items.





Freezer  
Zone



Large  
Crisper Drawer



Removable  
Shelf



Removable  
Door Bins



Interior  
LED Light

**Figure 4:** Detailed view of the internal components, including the top freezer zone, a large crisper drawer, a removable shelf, removable door bins, and the interior LED light, showcasing the thoughtful design for organization and easy access.



**Figure 5:** The refrigerator operating with a visual representation of its low noise output, rated at less than 45dB, ensuring a quiet and comfortable environment during use.

### 3. SETUP AND INSTALLATION

#### 3.1 Unpacking and Initial Inspection

Carefully remove the refrigerator from its packaging. Inspect the unit thoroughly for any signs of shipping damage. In case of damage, do not operate the appliance and contact customer support immediately. Retain all packaging materials for future transport or if a return is necessary.

#### 3.2 Placement and Ventilation

Choose a stable, level surface for installation. Ensure there is adequate clearance around the unit for proper ventilation, especially at the back and sides where heat is dissipated. Avoid placing the refrigerator in direct sunlight or near heat-generating appliances. The unit is designed to operate normally on inclines up to 45 degrees, making it suitable for mobile environments.

### 3.3 Power Connection

Connect the refrigerator to a 12V or 24V DC power source using the provided power cable. Ensure the connection is firm and secure to prevent power interruptions. The unit incorporates a battery protection system to safeguard your vehicle's battery from excessive discharge.

- **Battery Protection Levels:** The refrigerator offers three battery protection settings (H/M/L) to accommodate different power sources and prevent over-discharge.
  - **H (High):** Provides the highest level of battery protection, ideal for starting batteries in vehicles.
  - **M (Medium):** Offers moderate protection, suitable for most auxiliary batteries.
  - **L (Low):** Provides the lowest protection, recommended for dedicated deep-cycle leisure batteries or external power packs.

Adjust this setting via the control panel or the mobile APP to match your specific power source and usage requirements.

### 3.4 Reversible Door Installation (Optional)

The BODEGACOOLER 83L RV Refrigerator features a reversible door, allowing it to open from either the left or the right side to suit your installation space. Changing the door orientation requires specific steps involving the removal and reinstallation of the door and hinges. Please refer to the detailed instructions provided in a separate door reversal guide (if included) or contact BODEGA customer support for guidance before attempting this procedure.



# Reversible Door That Can Open from Left or Right



**NOTE:** If you want to change the orientation of the refrigerator door, you must remove and reinstall the refrigerator door

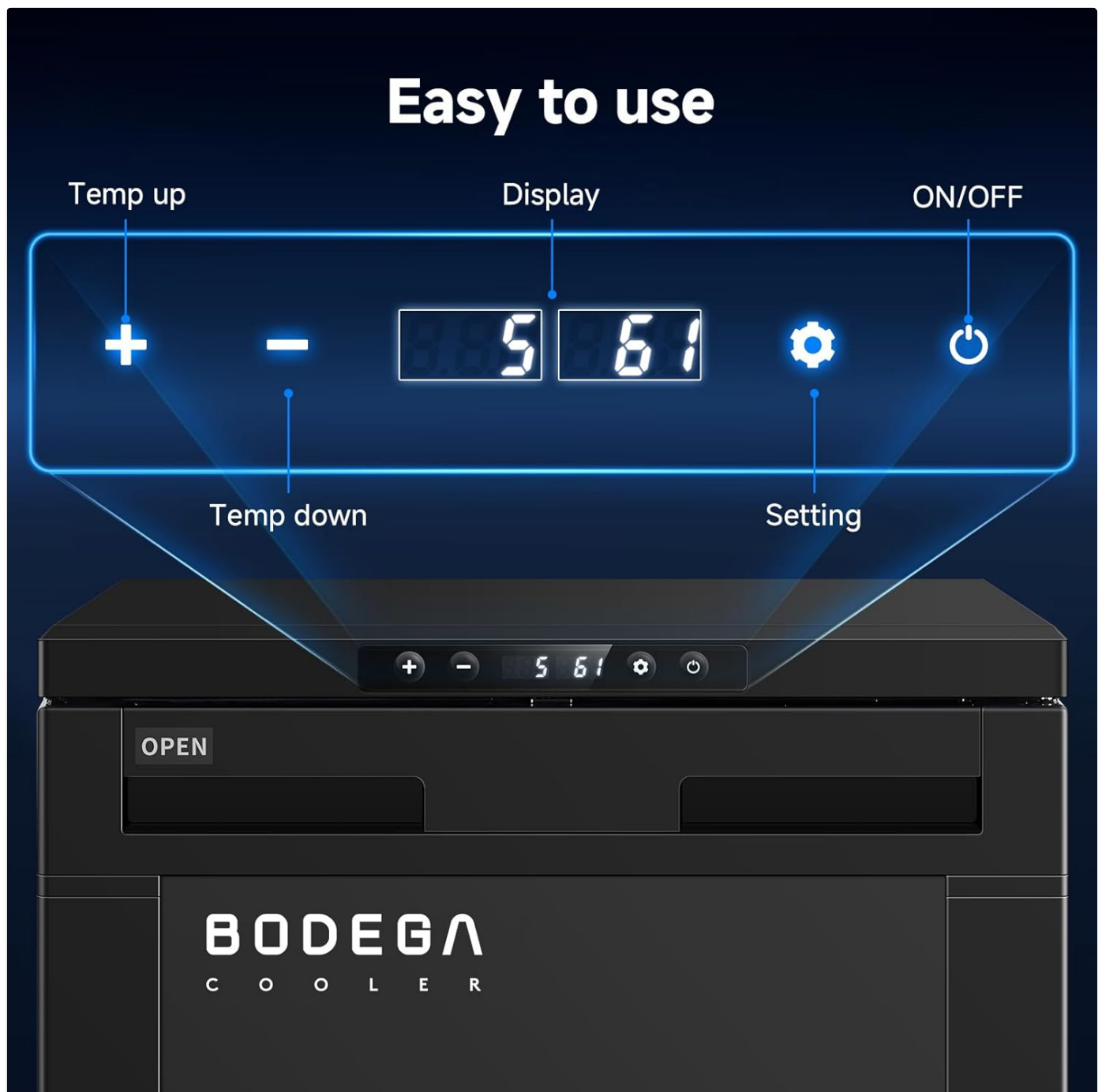
**Figure 6:** Illustration of the reversible door feature, demonstrating how the refrigerator door can be configured to open from either the right or the left, providing flexibility for installation in various vehicle layouts.

## 4. OPERATING INSTRUCTIONS

### 4.1 Control Panel Operation

The control panel is conveniently located on the top front of the unit, providing direct access to essential functions.





**Figure 7:** Close-up view of the control panel, clearly labeling the "Temp up" (+), "Temp down" (-), "Display", "Setting", and "ON/OFF" buttons for manual control of the refrigerator's functions.

- **Power ON/OFF:** Press and hold the **ON/OFF** button (power symbol) to turn the unit on or off.
- **Temperature Adjustment:** Use the **+** (Temp up) and **-** (Temp down) buttons to set the desired temperature. The adjustable temperature range is from -4°F to 46°F (-20°C to 8°C).
- **Setting Mode:** Press the **Setting** button (gear symbol) to cycle through different operational modes, such as ECO (Energy Saving) and MAX (Fast Cooling), and to adjust battery protection levels.
- **Display:** The digital display shows the current internal temperature and the selected operational settings.

## 4.2 APP Control

The BODEGACOOLER 83L RV Refrigerator offers advanced control capabilities through a dedicated mobile application, providing convenience and flexibility for managing your appliance.

# APP Control and Display



Convenient and super simple control with mobile phone APP.

Easy to control and check the Temperature when driving.

**Figure 8:** A smartphone screen showcasing the BODEGACOOOLER APP interface, which allows users to conveniently check and set the refrigerator's temperature, cooling mode, and monitor battery voltage, even while on the go.

1. **Download the APP:** Search for "BODEGACOOOLER" or the specific APP name indicated in the product packaging/quick start guide in your device's app store (Google Play Store for Android, Apple App Store for iOS).
2. **Pairing:** Ensure your refrigerator is powered on. Open the APP and follow the on-screen instructions to pair your smartphone with the refrigerator via Bluetooth or Wi-Fi. A successful connection will be indicated in the APP.
3. **Available Functions via APP:** Once connected, you can:
  - View the current temperature of both zones.
  - Set the desired temperature for each zone independently.
  - Switch between cooling modes (ECO/MAX).
  - Monitor the input battery voltage.
  - Adjust the battery protection levels (H/M/L).

## 4.3 Cooling Modes

- **MAX Mode (Fast Cooling):** This mode provides maximum cooling power, allowing the refrigerator to reach the set temperature quickly. It is ideal for initial cool-down or when adding a large quantity of warm items. Note that this mode consumes more energy.
- **ECO Mode (Energy Saving):** The ECO mode optimizes energy consumption, making the cooling process more efficient. This mode is recommended for prolonged use, especially when operating on battery power, to extend battery life. Cooling may be slightly slower compared to MAX mode.

Select the appropriate mode based on your immediate cooling needs and available power resources.

## 5. MAINTENANCE AND CARE

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### 5.1 Cleaning

Regular cleaning ensures optimal performance and hygiene of your refrigerator.

- **Interior:** Disconnect power before cleaning. Clean the interior surfaces with a soft cloth dampened with a mild detergent solution (e.g., dish soap and water). Wipe thoroughly with a clean, damp cloth, then dry completely. Do not use abrasive cleaners, harsh chemicals, or solvents, as these can damage the surfaces.
- **Exterior:** Wipe the exterior surfaces with a soft, damp cloth. For stubborn marks, a mild detergent can be used, followed by wiping with a clean, damp cloth and drying.
- **Drain Plug:** The unit is equipped with a drain plug at the bottom for easy water removal during cleaning or defrosting. Ensure it is securely closed during operation to maintain cooling efficiency.
- **Condenser:** Periodically clean the condenser coils (typically located at the back or bottom of the unit) with a soft brush or vacuum cleaner. Dust and debris on the coils can reduce cooling efficiency and increase energy consumption.

### 5.2 Defrosting

While the unit features automatic defrost, a layer of ice may still accumulate in the freezer compartment over time, especially in humid conditions. If a significant ice buildup occurs, manually defrost the unit:

1. Turn off the refrigerator and disconnect it from the power source.
2. Remove all contents from the freezer and refrigerator compartments.
3. Leave the door(s) open to allow the ice to melt naturally. You can place towels at the bottom to absorb melting water.
4. Do not use sharp objects, heating devices, or chemical sprays to accelerate defrosting, as these can damage the unit.
5. Once all ice has melted, clean and dry the interior thoroughly before reconnecting power and resuming operation.

### 5.3 Storage

When storing the refrigerator for an extended period (e.g., off-season), follow these steps:

- Ensure the unit is completely clean and dry, both inside and out.
- Leave the door(s) slightly ajar to allow for air circulation and prevent the buildup of odors and mold.
- Store the refrigerator in a cool, dry, and well-ventilated area, away from direct sunlight, extreme temperatures, and moisture.

## 6. TROUBLESHOOTING

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This section provides solutions to common issues you might encounter with your BODEGACOOLER RV Refrigerator. If the problem persists after attempting these solutions, please contact BODEGA customer support.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not turn on.	No power supply, loose power connection, vehicle battery voltage too low, blown fuse in vehicle or unit.	Verify the power cable is securely connected to both the unit and the power source. Ensure the power source is active and providing sufficient voltage. Check your vehicle battery voltage and adjust the refrigerator's battery protection level (H/M/L) if necessary. Inspect the vehicle's fuse box and the unit's fuse (if accessible) for any blown fuses.
Unit not cooling sufficiently.	Temperature setting too high, blocked ventilation, excessive contents, door not sealed properly, frequent door opening, high ambient temperature.	Lower the temperature setting on the control panel or APP. Ensure adequate space around the unit for proper airflow and that vents are not blocked. Do not overfill the compartments. Check the door seal for any gaps or damage. Minimize door openings. If operating in very high ambient temperatures, cooling efficiency may be reduced; consider switching to MAX mode.
Unusual or loud noise.	Unit not level, fan obstruction, normal compressor operation.	Ensure the unit is placed on a stable and level surface. Check for any objects obstructing the fan blades. A slight humming or gurgling sound from the compressor and refrigerant flow is normal. If the noise is excessive, grinding, or unusual, contact customer support.
APP not connecting or controlling the unit.	Bluetooth/Wi-Fi disabled on phone, outdated APP version, unit not powered on, pairing issue, interference.	Ensure Bluetooth and/or Wi-Fi is enabled on your smartphone. Update the BODEGACOOLER APP to the latest version. Verify that the refrigerator is powered on. Try unpairing and re-pairing the device following the APP's instructions. Move closer to the unit to reduce potential signal interference.
Water accumulation inside.	Condensation, drain plug open, door not sealed.	This is usually condensation, especially in humid environments. Ensure the drain plug is securely closed. Check the door seal for proper closure. If excessive, consider manual defrosting.

## 7. SPECIFICATIONS

Detailed technical specifications for the BODEGACOOLER 83L RV Refrigerator:

Feature	Specification
Brand	BODEGA
Model	83L (2.94 cu.ft) RV Refrigerator
Total Capacity	83 Liters
Refrigerator Fresh Food Capacity	74.35 Liters
Freezer Capacity	8.65 Liters (0.31 cu.ft)
Product Dimensions (D x W x H)	17.91 x 19.49 x 31.1 inches
Item Weight	57.9 pounds (26.31 Kilograms)
Voltage	12 Volts / 24 Volts DC
Temperature Range	-4°F to 46°F (-20°C to 8°C)

Feature	Specification
Installation Type	Freestanding
Defrost System	Automatic
Noise Level	Less than 45dB
Special Features	Door Lock, APP Control, Reversible Door, 3-Level Battery Protection, ECO/MAX Modes

## 8. WARRANTY AND SUPPORT


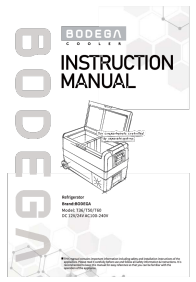
BODEGA is committed to providing high-quality products and excellent customer service. Your BODEGACOOLER RV Refrigerator is covered by the following warranty:


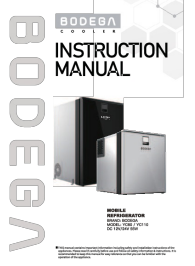
- **Compressor Warranty:** The compressor, a core component of your refrigerator, is covered for a life span of 5 years from the date of purchase.
- **Other Parts Maintenance:** All other parts of the refrigerator are covered for 1 year from the date of purchase.

For any questions, technical assistance, troubleshooting guidance beyond this manual, or to initiate a warranty claim, please contact BODEGA customer service. You can reach us via Amazon's messaging system. Please provide your product model and purchase details when contacting support to ensure prompt assistance.

For more information about BODEGA products and accessories, please visit the official BODEGA Store on Amazon: [BODEGA Store](#)

### Related Documents

	<p><a href="#">BODEGA TWW75 Car Fridge User Manual and Features</a></p> <p>Comprehensive user manual for the BODEGA TWW75 car fridge, covering safety instructions, product features, operation, troubleshooting, technical data, and app control.</p>
	<p><a href="#">Bodega Cooler T36/T50/T60 Instruction Manual - Portable Refrigerator Guide</a></p> <p>Comprehensive instruction manual for Bodega Cooler portable refrigerators (Models T36, T50, T60). Covers safety, operation, app connection, maintenance, troubleshooting, and warranty information.</p>

 The image shows the cover of the Bodega Car Fridge User Manual. It features the Bodega logo at the top, followed by the title 'User Manual CAR FRIDGE'. Below the title is a line drawing of a car fridge with its lid open. At the bottom, there is a small text block that reads: 'PLEASE READ INSTRUCTIONS CAREFULLY BEFORE ASSEMBLY RETAIN THIS MANUAL FOR FUTURE REFERENCE'.	<p><a href="#">Bodega Car Fridge User Manual: T36, T50, T60 Models - Operation, Safety, and Troubleshooting</a></p> <p>Comprehensive user manual for Bodega T36, T50, and T60 car fridges. Covers safety instructions, operating descriptions, app connection (WIFI/Bluetooth), components, cleaning, maintenance, and troubleshooting guides for these portable dual-zone refrigerators.</p>
 The image shows the cover of the Bodega Mobile Refrigerator YC60/YC110 Instruction Manual. It features the Bodega logo on the left side, oriented vertically. The title 'INSTRUCTION MANUAL' is prominently displayed in the center. Below the title is a photograph of two mobile refrigerators, one black and one silver. At the bottom, there is a small text block that reads: 'MOBILE REFRIGERATOR YC60/YC110'.	<p><a href="#">Bodega Mobile Refrigerator YC60/YC110 Instruction Manual</a></p> <p>Comprehensive instruction manual for Bodega mobile refrigerators, models YC60 and YC110. Covers safety guidelines, specifications, operating instructions, ventilation, maintenance, troubleshooting, and error codes.</p>