

## Rovin GH2230

# Rovin 45L Portable Fridge User Manual

Model: GH2230

### IMPORTANT SAFETY INSTRUCTIONS

Please read all instructions carefully before operating the appliance. Retain this manual for future reference.

- Ensure the power supply voltage matches the appliance's requirements (12/24V DC or 240V AC).
- Do not operate the appliance if the power cord is damaged.
- Avoid placing the appliance in direct sunlight or near heat sources.
- Ensure adequate ventilation around the appliance, especially the compressor area.
- Do not immerse the appliance in water or other liquids.
- Keep children away from the appliance during operation.
- Disconnect power before cleaning or performing maintenance.

### PRODUCT OVERVIEW

The Rovin 45L Portable Fridge is designed for versatile cooling and freezing, suitable for automotive and home use. It features efficient cooling, mobile app control, and dual power input.

### Components

- Main Unit (Fridge/Freezer)
- Control Panel with LCD Display
- DC Power Cable (12/24V)
- AC Power Adapter (240V)
- Removable Storage Basket
- Integrated Handles



Figure 1: The Rovin 45L Portable Fridge in its closed state, showcasing the integrated handles and the digital control panel.





Figure 2: The fridge with its lid open, revealing the spacious interior capable of holding various beverages and food items.

## SETUP

### Unpacking and Placement

Carefully remove the fridge from its packaging. Place the fridge on a flat, stable surface. Ensure there is at least 10 cm of clearance around all sides for proper ventilation, especially around the compressor vents.



Figure 3: Side view of the fridge, highlighting the ventilation grilles that must not be obstructed for efficient operation.

### Power Connection

The Rovin 45L Portable Fridge supports both DC (12/24V) and AC (240V) power inputs.

- **DC Power (Vehicle Use):** Connect the DC power cable to the fridge's DC input port and then to your vehicle's 12V or 24V power outlet (cigarette lighter socket).
- **AC Power (Home Use):** Connect the AC power adapter to the fridge's AC input port, then plug the adapter into a standard 240V wall outlet.

The fridge will automatically detect the input voltage.

### Mobile App Setup

To control your fridge via a mobile app, follow these steps:

1. Download the compatible mobile application (refer to the product packaging or manufacturer's website for the correct app name).
2. Ensure Bluetooth is enabled on your smartphone.
3. Turn on the fridge.
4. Open the app and follow the on-screen instructions to pair your device with the fridge.

## OPERATING INSTRUCTIONS

### Control Panel Overview



Figure 4: Detailed view of the control panel, showing the LCD display and control buttons.

- **Power Button:** Press to turn the fridge ON/OFF.
- **SET Button:** Press to enter temperature setting mode or cycle through settings.

- **UP/DOWN Buttons:** Adjust temperature or navigate menu options.
- **LCD Display:** Shows current temperature, battery protection mode, and other indicators.

## Temperature Adjustment

To set the desired temperature:

1. Turn on the fridge.
2. Press the **SET** button once. The temperature display will flash.
3. Use the **UP** or **DOWN** buttons to adjust the temperature.
4. Wait a few seconds; the display will stop flashing, and the new temperature will be set.

## Battery Protection Mode

The fridge features a battery protection system to prevent excessive discharge of your vehicle's battery. There are typically three levels: High (H), Medium (M), and Low (L).

- **High (H):** Recommended for vehicle starter batteries.
- **Medium (M):** Suitable for most applications.
- **Low (L):** Recommended for deep cycle auxiliary batteries.

To change the battery protection mode:

1. With the fridge ON, press and hold the **SET** button for 3 seconds until the battery icon flashes.
2. Use the **SET** button to cycle through H, M, L.
3. Release the **SET** button; the setting will be saved automatically.

## Using the Mobile App

Once paired, the mobile app allows you to:

- Monitor the current temperature.
- Adjust the target temperature.
- Change battery protection mode.
- Turn the fridge ON/OFF.

## MAINTENANCE

### Cleaning

Regular cleaning ensures optimal performance and hygiene.

- Disconnect power before cleaning.
- Clean the interior and exterior with a damp cloth and mild detergent. Avoid abrasive cleaners.
- Ensure the interior is completely dry before closing the lid or reconnecting power.
- Periodically clean the ventilation grilles to prevent dust buildup, which can affect cooling efficiency.



Figure 5: Top-down view of the fridge interior, showing the removable storage basket for easy cleaning and organization.

## Storage

When not in use for extended periods:

- Ensure the fridge is clean and dry.
- Leave the lid slightly ajar to prevent odors and mold growth.
- Store in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.

### TROUBLESHOOTING

If you encounter issues with your Rovin Portable Fridge, consult the table below for common problems and solutions.

Problem	Possible Cause	Solution
Fridge not turning on	No power supply; Damaged power cable; Blown fuse in vehicle	Check power connection; Inspect cable; Check vehicle fuse; Try another power source
Not cooling sufficiently	Poor ventilation; Too much content; Door not sealed; Ambient temperature too high	Ensure proper clearance; Do not overfill; Check lid seal; Move to cooler environment
Display shows error code	Specific internal fault	Refer to the specific error code in the full manual (if available) or contact customer support.
Mobile app not connecting	Bluetooth off; Fridge not on; App not updated	Enable Bluetooth; Turn on fridge; Update app; Re-pair device

If the problem persists after attempting these solutions, please contact customer support.

### SPECIFICATIONS

Feature	Detail
Brand	Rovin
Model	GH2230
Capacity	45 Litres
Power Input	12V/24V DC, 240V AC
Power/Wattage	24 watts
Material	Stainless Steel
Item Weight	15.5 kg

Feature	Detail
Package Dimensions	72.6 x 54.8 x 40.6 cm
Special Features	Portable, Smartphone App Control, High Efficiency

### WARRANTY INFORMATION

This Rovin product is covered by a manufacturer's warranty against defects in materials and workmanship. The warranty period typically begins from the date of purchase. Please retain your proof of purchase for any warranty claims.

For specific warranty terms and conditions, including duration and coverage details, please refer to the warranty card included with your product or visit the official Rovin website. The warranty does not cover damage caused by misuse, accident, unauthorized modification, or normal wear and tear.


### CUSTOMER SUPPORT






If you require further assistance, have questions about your Rovin 45L Portable Fridge, or need to report a fault, please contact Rovin customer support.

- **Online Support:** Visit the Rovin official website for FAQs, support articles, and contact forms.
- **Email Support:** Refer to your product documentation for the customer service email address.
- **Phone Support:** Contact numbers may be available on the Rovin website or product packaging.

When contacting support, please have your product model (GH2230) and proof of purchase ready to expedite the process.

### Related Documents - GH2230

 <p>35L/45L/55L Fridge Freezer GH-2220/GH-2230/GH-2240 User Manual</p>	<p><a href="#">Rovin GH-2220/GH-2230/GH-2240 Portable Fridge Freezer User Manual</a></p> <p>Comprehensive user manual for the Rovin GH-2220, GH-2230, and GH-2240 portable fridge freezers (35L, 45L, 55L). Covers features, specifications, operation, safety, maintenance, and troubleshooting.</p>
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 <p>45L / 55L Portable Dual Zone GH2232 / GH2242 User Manual</p>	<p><a href="#">Rovin 45L/55L Portable Dual Zone Fridge/Freezer User Manual</a></p> <p>User manual for the Rovin 45L and 55L Portable Dual Zone Fridge/Freezer, covering features, specifications, safety, operation, power supply, battery usage, food storage, app control, cleaning, maintenance, and troubleshooting.</p>
 <p>30L/40L/50L Fridge/Freezer GH-2218/GH-2228/GH-2238 User Manual</p>	<p><a href="#">Rovin GH-2218/GH-2228/GH-2238 Portable Fridge Freezer User Manual</a></p> <p>Comprehensive user manual for the Rovin 30L/40L/50L portable fridge freezer models GH-2218, GH-2228, and GH-2238. Covers features, specifications, safety, operation, battery usage, app control, cleaning, troubleshooting, and warranty.</p>
	<p><a href="#">ROVIN Single Drawer System Fitting Instructions &amp; User Manual</a></p> <p>Comprehensive fitting instructions and user manual for the ROVIN Single Drawer System with Fridge Slide, designed for 4WD vehicles. Includes warranty information and installation steps.</p>
 <p>GH2208</p> <p>Portable Canvas Blanket Solar Panel 100W/12V</p> <p>INSTRUCTION MANUAL</p>	<p><a href="#">Rovin GH2208 100W Portable Canvas Blanket Solar Panel Instruction Manual</a></p> <p>Instruction manual for the Rovin GH2208 100W Portable Canvas Blanket Solar Panel. Details features, specifications, usage, safety, and warranty for powering portable fridges and power stations.</p>
 <p>ZM9181</p> <p>110W 12V Fixed Monocrystalline Solar Panel</p> <p>INSTRUCTION MANUAL</p>	<p><a href="#">Rovin 110W 12V Fixed Monocrystalline Solar Panel Instruction Manual</a></p> <p>Instruction manual for the Rovin 110W 12V Fixed Monocrystalline Solar Panel (ZM9181), covering safety, product details, usage, maintenance, specifications, and warranty information.</p>