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Setpower RV45S-48QT

Setpower RV45S Portable Refrigerator User Manual

Model: RV45S-48QT

Introduction

This user manual provides detailed instructions for the safe and efficient operation of your Setpower RV45S portable refrigerator. Please read this manual thoroughly before using the appliance and retain it for future reference.
The Setpower RV45S is a single-zone 12-volt portable refrigerator designed for travel, camping, fishing, and RV use. It offers powerful cooling performance, large capacity, and user-friendly features for convenient outdoor living.

Setup and Unboxing

Before first use, ensure all packaging materials are removed and inspect the refrigerator for any damage. Allow the unit to stand upright for at least 6 hours before plugging it in.

Package Contents:

- 1x Setpower RV45S Portable Refrigerator
- 1x 12V/24V DC Power Cord
- 1x 110-240V AC Adapter
- 2x Removable Wire Baskets
- 1x User Manual (this document)



Figure 1: Setpower RV45S Portable Refrigerator with lid open, showcasing its interior capacity filled with various items.

The image displays the Setpower RV45S portable refrigerator with its lid open, revealing a spacious interior. The cooler is filled with beverages and fresh produce, demonstrating its large capacity for travel and outdoor use. The exterior is a light gray with yellow accents, and the control panel is visible on the side.

Figure 2: Included accessories with the Setpower RV45S portable refrigerator.

This image illustrates the complete package contents of the Setpower RV45S. It shows the main unit alongside its essential accessories: a DC power cord, an AC adapter, two wire baskets for organization, and the user manual. These components ensure the refrigerator is ready for immediate use in various power environments.

Initial Setup:

1. Unpack the unit and remove all protective materials.
2. Place the refrigerator on a flat, stable surface.
3. Ensure adequate ventilation around the unit. Avoid blocking the heat dissipation area.
4. Connect the appropriate power cord (DC for vehicle, AC for home) to the unit.

5. Allow the unit to stand upright for at least 6 hours before initial power-on to allow the refrigerant to settle.

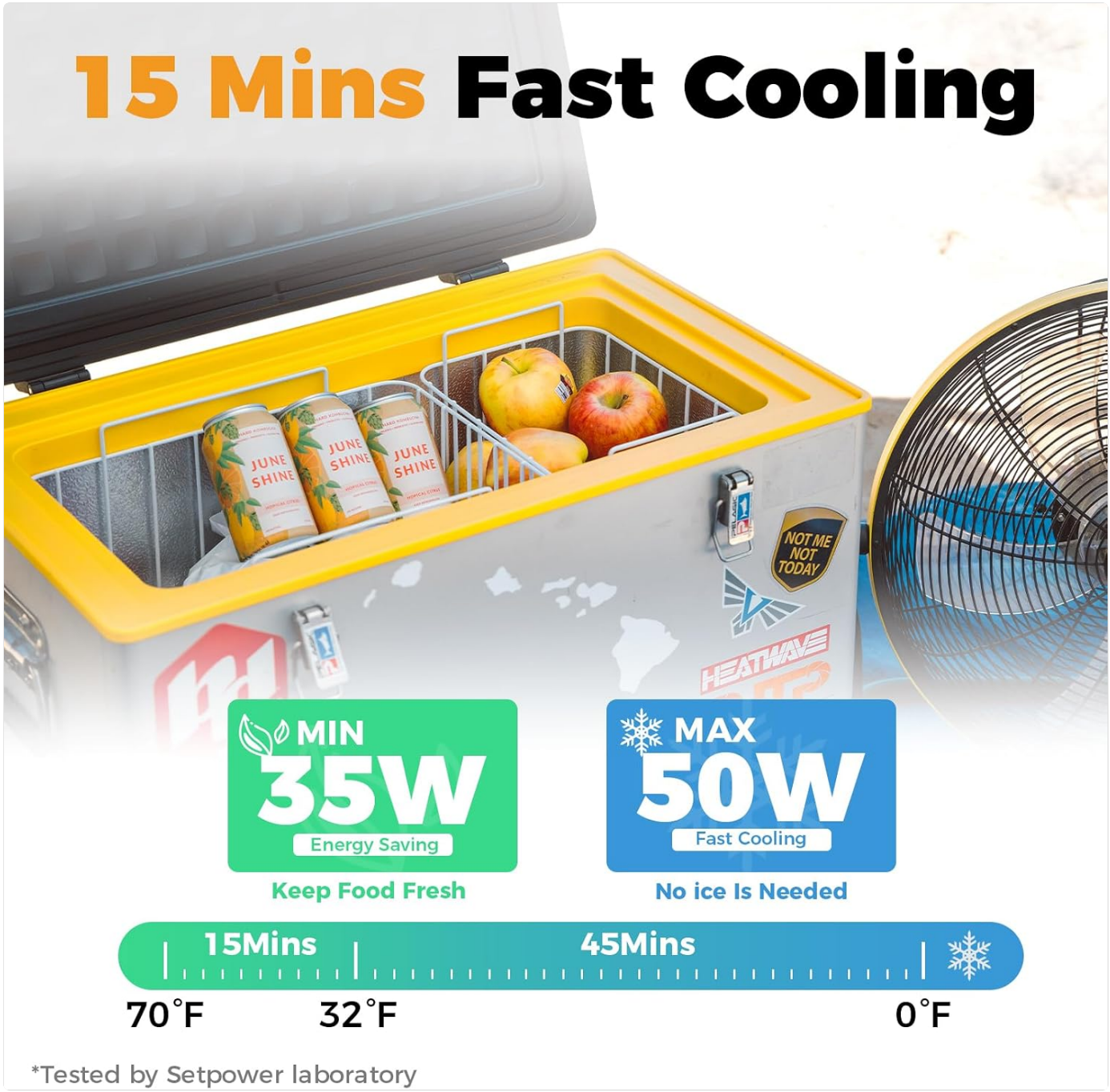


Figure 3: Fast Cooling and Energy Saving Modes.

This graphic highlights the two primary operating modes: MIN (Energy Saving) and MAX (Fast Cooling). It illustrates that the unit can cool from 70°F to 32°F in 15 minutes and to 0°F in 45 minutes in MAX mode. The MIN mode consumes 35W, while MAX mode consumes 50W, emphasizing efficiency and rapid cooling.

Operating Instructions

Your Setpower RV45S is equipped with an intuitive control panel for easy operation.

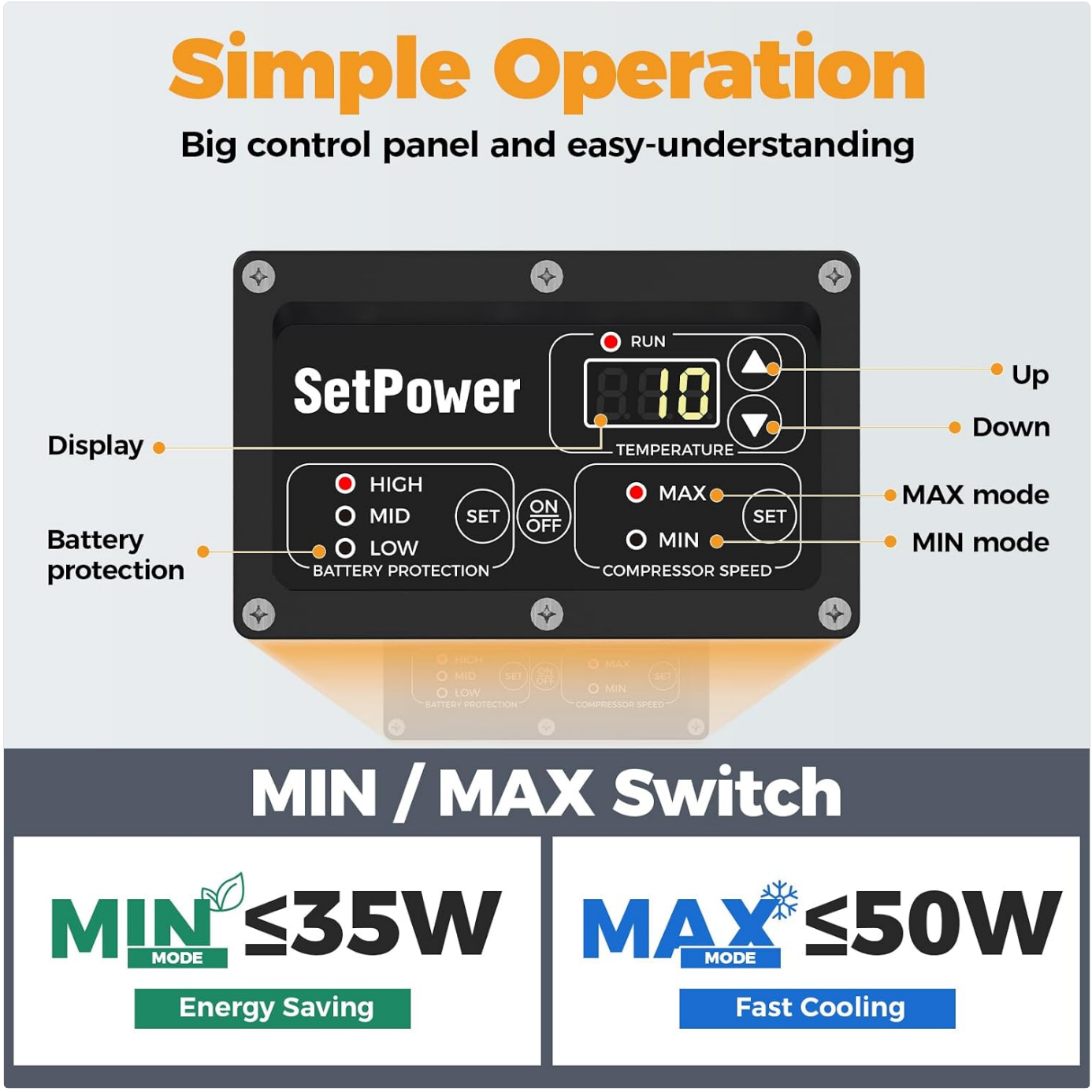


Figure 4: Detailed view of the control panel.

The image provides a close-up of the Setpower RV45S control panel. It features a digital display for temperature, up/down arrows for adjustment, and buttons for setting MAX/MIN compressor speed and battery protection levels (HIGH, MID, LOW). An ON/OFF button is also clearly visible, indicating simple operation.

Powering On/Off:

- Press and hold the "ON/OFF" button for 3 seconds to turn the unit on or off.
- The display will show the current internal temperature when powered on.

Temperature Adjustment:

- Press the "Up" or "Down" arrow buttons to adjust the desired temperature. The display will flash the target temperature.
- The unit will automatically begin cooling or warming to reach the set temperature.

Compressor Speed (MAX/MIN Mode):

- Press the "SET" button next to "COMPRESSOR SPEED" to toggle between MAX (fast cooling) and MIN (energy

saving) modes.

- MAX mode is recommended for rapid cooling, while MIN mode is ideal for maintaining temperature and conserving power.

Battery Protection:

The unit features a 3-level battery protection system to prevent your vehicle's battery from over-discharging.

- Press the "SET" button next to "BATTERY PROTECTION" to cycle through HIGH, MID, and LOW settings.
- **HIGH:** Provides maximum battery protection, shutting off the unit at a higher voltage to ensure vehicle starting power.
- **MID:** A balanced setting for most uses.
- **LOW:** Allows the unit to run longer, shutting off at a lower voltage. Use with caution to avoid draining your battery.



Figure 5: Battery Protection Levels.

This graphic illustrates the three battery protection levels: High, Mid, and Low. It shows a user interacting with the control panel to select the desired voltage cutoff, ensuring the vehicle's battery is protected from excessive discharge while the refrigerator is in use.

Power Supply Options:

The RV45S can be powered by multiple sources, offering flexibility for various scenarios.



Figure 6: Multiple Power Supply Options.

The image demonstrates the versatility of the Setpower RV45S, showing it can be powered by a solar panel and battery, a standard 110-240V AC adapter for home use, or a 12V/24V DC cord for car and truck use. This highlights its adaptability for both stationary and mobile applications.

Video Guide: How to Use SetPower RV45

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Video 1: A comprehensive guide on how to operate the SetPower RV45 portable refrigerator, covering power-on, temperature adjustment, and mode selection.

This video provides a step-by-step demonstration of the SetPower RV45's functionalities. It shows how to power on the unit, adjust temperature settings, switch between MAX and MIN compressor speeds, and utilize the battery protection features. The video is presented by SetPower, ensuring accurate and official instructions.

Maintenance

Regular maintenance ensures optimal performance and longevity of your Setpower RV45S.

- Clean the interior and exterior regularly with a damp cloth and mild detergent. Avoid abrasive cleaners.
- Ensure the ventilation grilles are free from dust and debris to maintain efficient heat dissipation.
- Defrost the unit when ice buildup exceeds 0.2 inches (5mm).
- When not in use for extended periods, ensure the unit is clean, dry, and stored with the lid slightly ajar to prevent odors.



Figure 7: Thick Insulation for Extended Cooling.

This cutaway diagram illustrates the thick insulation of the Setpower RV45S, highlighting the 60mm extra-thick inner wall and the "Prevent Cold-Leakage Design." This robust insulation allows the unit to maintain its internal temperature for up to 48 hours even after power is off, ensuring prolonged cooling performance.

Troubleshooting

If you encounter issues with your refrigerator, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit not turning on	No power supply; Battery protection activated; Blown fuse	Check power connection; Adjust battery protection setting; Check/replace fuse.
Poor cooling performance	Blocked ventilation; Excessive ambient temperature; Lid not sealed properly	Clear vents; Move to cooler area; Ensure lid is closed tightly.
Unusual noise	Unit not level; Fan obstruction	Place on a level surface; Check for obstructions around the fan.



Figure 8: Quiet Operation.

This graphic highlights the professional quiet operation of the RV45S refrigerator, indicating a noise level of 42dB. It compares this to typical car driving noise (85-70dB), normal chat (70-43dB), and a whisper (40-20dB), emphasizing that the unit operates quietly for a comfortable user experience.

Video Guide: How to Use SetPower RV Series (Troubleshooting & Settings)

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Video 2: Detailed instructions on turning on the unit, battery protection mode, Max & Eco mode, switching between Celsius and Fahrenheit, adjusting temperature, and temperature compensation (F1, F2, F3 parameters).

This video offers an in-depth look at the control panel settings and troubleshooting for the SetPower RV series. It guides users through turning the unit on, understanding battery protection levels, switching between MAX and MIN modes, changing temperature units (Celsius/Fahrenheit), and adjusting the target temperature. It also covers advanced temperature compensation parameters (F1, F2, F3) for precise calibration.

Specifications

Feature	Detail
Model	RV45S-48QT
Capacity	48 Quarts (45 Liters)
Dimensions (L x W x H)	27.3" x 16" x 18.8"
Item Weight	46.3 pounds
Voltage	12V/24V DC, 110-240V AC
Power Consumption	0.689 kWh/24h
Noise Level	≤45dB
Special Features	Digital Temperature Control, Energy Efficient, Anti-Shake, Large Capacity, Low Noise, LED Light, Removable Baskets

Warranty and Support

Setpower offers comprehensive warranty and support for your RV45S portable refrigerator:

- **Compressor:** 3-year technical support.
- **Other Parts:** 1-year warranty.

For any product questions or support needs, please do not hesitate to contact Setpower customer service.



Figure 9: Setpower Professional Support.

This image emphasizes Setpower's commitment to customer support, highlighting a "Professional Team" offering "3 Years Warranty" and "24 Hours Customer Service." It visually reinforces the brand's dedication to product quality and post-purchase assistance.

Additional Resources

Official Product Videos:

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Video 3: SetPower RV45 12 volt Portable Fridge Review - A detailed review of the SetPower RV45, showcasing its features and performance.

This video provides an in-depth review of the SetPower RV45 12-volt portable fridge. It covers various aspects of the product, including its design, functionality, and suitability for different uses, offering valuable insights from the seller's perspective.

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Video 4: SetPower RV45 Portable Fridge Freezer - A comprehensive overview of the SetPower RV45 as a portable fridge and freezer solution.

This video offers a comprehensive overview of the SetPower RV45, highlighting its capabilities as both a portable fridge and freezer. It demonstrates its features and benefits for users seeking a versatile cooling solution for their adventures, presented by the seller.

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