

## Setpower AJ50

# Setpower AJ50 Portable Freezer Fridge User Manual

Model: AJ50 | Brand: Setpower

## 1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Setpower AJ50 Portable Freezer Fridge. Please read this manual thoroughly before using the appliance and retain it for future reference. The Setpower AJ50 is a versatile 50-liter (53-quart) portable refrigerator designed for use in various environments, including cars, RVs, camping, and travel, offering both refrigeration and freezing capabilities.

## 2. SAFETY INFORMATION

For your safety and to prevent damage to the appliance, please observe the following precautions:

- Ensure the power supply voltage matches the appliance's requirements (12V/24V DC or 110-240V AC).
- Do not operate the appliance if the power cord is damaged.
- Keep the ventilation openings clear of obstructions.
- Do not use electrical devices inside the appliance unless recommended by the manufacturer.
- Avoid placing the appliance in direct sunlight or near heat sources.
- Always disconnect power before cleaning or performing maintenance.
- This appliance is not intended for use by persons with reduced physical, sensory, or mental capabilities unless supervised or instructed.

A detailed Safety Information PDF is available for download: [Safety Information \(PDF\)](#).

## 3. PACKAGE CONTENTS

Upon unpacking, please verify that all items listed below are included:

- Setpower AJ50 Portable Freezer Fridge Unit
- Protective Cover
- 12V/24V DC Power Cord

- AC Adapter (110-240V)
- Internal Basket
- User Manual (this document)



*Image: The Setpower AJ50 Portable Freezer Fridge with its protective cover, showcasing its compact design and handles.*

## 4. PRODUCT FEATURES

The Setpower AJ50 Portable Freezer Fridge offers a range of features designed for convenience and performance:

- **Dual Storage Area:** Equipped with separate fridge and freezer zones for versatile storage.
- **Large Capacity:** 50 Liters (53 Quarts) capacity, capable of holding up to 70 cans of 355ml beverages.

- **Energy Efficiency:** Consumes less than 1 kWh per day in ECO mode, with operating power under 45W.
- **Fast Cooling:** Can cool from 77°F (25°C) to 32°F (0°C) in approximately 15 minutes.
- **40° Anti-Shake Design:** Ensures stable operation even on uneven terrain or during vehicle movement.
- **Built-in LED Light:** Provides illumination for easy access in low-light conditions.
- **Battery Protection:** Three-level battery protection (Low, Medium, High) to prevent vehicle battery drain.
- **Multiple Power Sources:** Compatible with 12V/24V DC (car, RV) and 110-240V AC (home) power.
- **Upgraded Humanized Design:** Features durable latches and detachable handles for improved usability.

## SUITABLE FOR VARIOUS VEHICLES

**INTERIOR LED LIGHT**  
CONVENIENT FOR NIGHTTIME USE

**EXTRA QUIET**  
WON'T DISTURB YOUR SLEEP

*Image: Close-up of the control panel showing MAX and ECO modes for energy efficiency and fast cooling.*



# 2 IN 1 Portable Fridge Freezer

**Fridge: 50°F~32°F**



**Freezer: 32°F~0°F**

*Image: The interior of the Setpower AJ50, highlighting the built-in LED light and removable storage basket.*

## 5. SETUP

### 5.1 Unpacking

1. Carefully remove the freezer fridge from its packaging.
2. Inspect the unit for any signs of damage during transit. If damage is found, contact customer support immediately.
3. Remove all internal packing materials and accessories.

### 5.2 Placement

- Place the freezer fridge on a flat, stable surface.
- Ensure adequate ventilation around the unit, especially near the heat dissipation mesh.

- Avoid placing the unit in direct sunlight or near heat-emitting appliances.

## 5.3 Power Connection

1. **For DC Power (12V/24V):** Connect the provided DC power cord to the unit's DC input port and then to your vehicle's cigarette lighter socket or a compatible 12V/24V power source.
2. **For AC Power (110-240V):** Connect the AC adapter to the unit's AC input port, then plug the adapter into a standard wall outlet.
3. Ensure the connection is secure before powering on the unit.



Image: The Setpower AJ50 connected to a vehicle's power supply, ready for travel.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Powering On/Off

Press the **Power Button** on the control panel to turn the unit on or off. The display will illuminate when the unit is active.

### 6.2 Temperature Setting

1. Use the **+** and **-** buttons to adjust the desired temperature.
2. The display will show the set temperature, then revert to the current internal temperature.
3. The temperature range is typically 0°F to 50°F (-18°C to 10°C).

### 6.3 Mode Selection (MAX/ECO)

Press the **SET** button to cycle between operating modes:

- **MAX Mode:** Provides maximum cooling power for rapid temperature reduction. Ideal for initial cooling or when quick freezing is required.
- **ECO Mode:** Energy-saving mode, optimizing power consumption for extended operation. Recommended for maintaining temperature once the desired level is reached.

### 6.4 Battery Protection Settings

The unit features a 3-level battery protection system to prevent your vehicle's battery from draining. To adjust the setting:

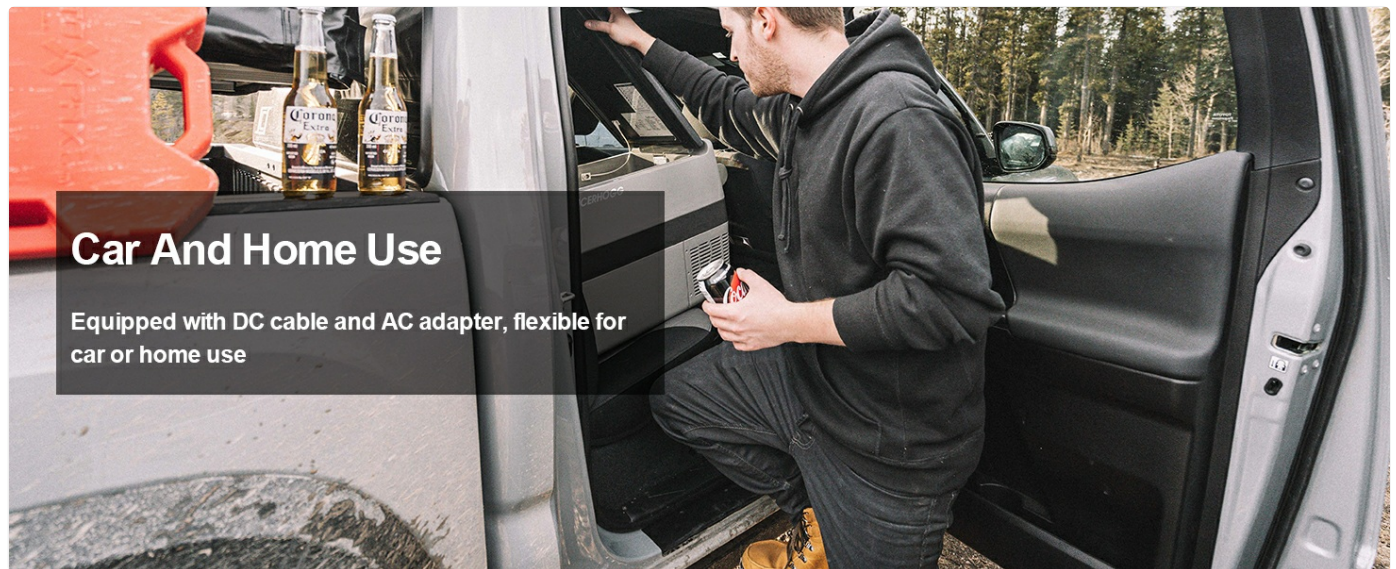
1. With the unit powered on, press and hold the **SET** button for 3 seconds. The current battery protection level (H, M,



L) will flash on the display.

2. Press the **SET** button again to cycle through the levels: **H** (High), **M** (Medium), **L** (Low).
3. Release the **SET** button to confirm your selection.

*Note:* Higher settings (H) offer more protection for your vehicle battery but may cause the fridge to shut off sooner. Lower settings (L) allow the fridge to run longer but offer less battery protection.



## Car And Home Use

Equipped with DC cable and AC adapter, flexible for car or home use

*Image: Illustration of the 3-level battery protection feature (High, Medium, Low) to safeguard vehicle batteries.*

## 7. MAINTENANCE

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### 7.1 Cleaning

- Always disconnect the power supply before cleaning.
- Wipe the interior and exterior surfaces with a damp cloth and mild detergent.
- Do not use abrasive cleaners or sharp objects, as these can damage the surfaces.
- Ensure the unit is completely dry before reconnecting power.

### 7.2 Storage

- When not in use for an extended period, clean the unit thoroughly.
- Leave the lid slightly ajar to prevent odors and mold growth.
- Store the unit in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.

## 8. TROUBLESHOOTING

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If you encounter issues with your Setpower AJ50, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; loose connection; blown fuse.	Check power cord connection; ensure power source is active; check vehicle fuse or AC adapter.

Problem	Possible Cause	Solution
Unit not cooling effectively.	Lid not closed properly; ventilation blocked; temperature set too high; excessive items inside.	Ensure lid is sealed; clear ventilation openings; lower temperature setting; do not overfill.
Display shows an error code.	Specific internal fault.	Refer to the full user manual (if available) for specific error codes or contact customer support.
Compressor runs frequently or continuously.	High ambient temperature; frequent lid opening; poor insulation.	Place in a cooler environment; minimize lid openings; ensure proper sealing.
Noise level is high.	Unit not on a stable surface; fan obstruction.	Ensure unit is on a flat, stable surface; check for any obstructions near the fan.

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

## 9. SPECIFICATIONS

Feature	Detail
Model	AJ50
Capacity	50 Liters (53 Quarts)
Power Input	12V/24V DC, 110-240V AC
Rated Power	55 Watts
Temperature Range	0°F to 50°F (-18°C to 10°C)
Refrigerant	R-134A
Item Weight	37.7 Pounds (approx. 17.1 kg)
Product Dimensions (L x W x H)	27 x 13.6 x 20.7 inches (approx. 68.6 x 34.5 x 52.6 cm)
Special Features	Anti-Shake, Low Noise, Portable, Built-in LED Light, Battery Protection



# CAR & HOME USE

PERFECT FOR EVERY SCENARIOS



Image: Diagram illustrating the dimensions and internal capacity of the Setpower AJ50, showing how many cans or bottles it can hold.

## 10. WARRANTY AND SUPPORT

Setpower provides the following warranty for the AJ50 Portable Freezer Fridge:

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


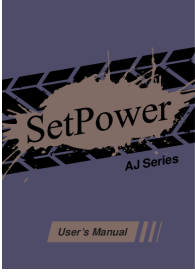


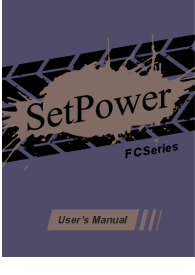

For any product questions, technical support, or warranty claims, please contact Setpower customer service. Please have your model number (AJ50) and purchase date available when contacting support.

You can also refer to the official Setpower store for more information: [Setpower Official Store](#).



Related Documents - AJ50



	<p><a href="#">SetPower AJ Series Portable Refrigerator User Manual</a></p> <p>Comprehensive user manual for the SetPower AJ Series portable refrigerators and freezers (AJ30, AJ40, AJ50), covering safety, operation, installation, maintenance, troubleshooting, and warranty information.</p>
	<p><a href="#">SetPower AJ Series User's Manual</a></p> <p>User's manual for the SetPower AJ Series refrigerators, covering safety information, description, getting started, electronic controls, filling, defrosting, maintenance, cleaning, suggestions, general safety messages, notices, and fault codes.</p>
	<p><a href="#">SetPower TC65/TC75 Portable Fridge Freezer User Manual</a></p> <p>Comprehensive user manual for SetPower TC65 and TC75 portable fridge freezers, covering safety instructions, specifications, operation, troubleshooting, and warranty information.</p>
	<p><a href="#">SetPower RV45S Portable Fridge Freezer User Manual - Operation, Safety, and Warranty</a></p> <p>Comprehensive user manual for the SetPower RV45S portable fridge freezer. Covers safety information, data sheet, description, installation, operation, maintenance, troubleshooting, and warranty details for 12/24V DC and 110-240V AC use.</p>
	<p><a href="#">SetPower FC Series Portable Fridge Freezer User Manual</a></p> <p>This user manual provides comprehensive instructions for operating and maintaining the SetPower FC Series portable fridge freezers, including models FC12 and FC20. It covers safety information, technical specifications, operational guidance, troubleshooting, and warranty details.</p>
	<p><a href="#">SetPower RV65D Portable Refrigerator/Freezer User Manual</a></p> <p>Comprehensive user manual for the SetPower RV65D portable refrigerator and freezer, covering safety information, operation, maintenance, troubleshooting, and warranty details.</p>