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Setpower MC20B+Slide

Setpower 20L/21QT Portable Car Refrigerator with Slide Instruction Manual

Model: MC20B+Slide

Introduction

This instruction manual provides comprehensive guidance for the safe and effective use of your Setpower 20L/21QT Portable Car Refrigerator and Freezer. Please read this manual thoroughly before operating the appliance and retain it for future reference.

Safety Information

To prevent injury to yourself and others, or damage to your appliance, please observe the following safety precautions:

- Ensure the power supply voltage matches the specifications of the refrigerator.
- Do not operate the appliance if the power cord is damaged. Contact customer support for replacement.
- Keep the ventilation openings clear of obstructions.
- Do not use electrical appliances inside the storage compartment unless they are recommended by the manufacturer.
- Avoid placing the refrigerator in direct sunlight or near heat sources.
- Always disconnect the power supply before cleaning or performing maintenance.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Package Contents

Verify that all items are present in the package:

- 1 x Setpower MC20 Car Refrigerator
- 1 x Slide
- 1 x 12/24V DC Power Cable
- 1 x 100-240V AC Adapter

- 4 x Fixed Ropes
- 1 x User Manual (this document)



Image: Illustration of the Setpower MC20 Car Refrigerator and its included accessories: slide, DC power cable, AC adapter, and four fixed ropes.

Product Overview

The Setpower 20L/21QT Portable Car Refrigerator is designed for versatile use in vehicles, RVs, and for outdoor activities. It functions as both a cooler and a freezer, offering rapid cooling and energy-efficient operation.

Key Features:

- **Rapid Cooling:** Achieves 32°F (0°C) in 15 minutes and -4°F (-20°C) in approximately one hour.
- **Energy Efficiency:** Average power consumption of 45W.
- **User-Friendly Control:** Simple 3-button interface with memory function.
- **Battery Protection:** 3-level system to prevent vehicle battery drain.
- **Stable Operation:** Functions reliably at up to 40° tilt angles.
- **Quiet Performance:** Operates at approximately 42dB.
- **Removable 2-Way Door:** Door direction can be adjusted.
- **Multiple Power Supplies:** Compatible with 12V/24V DC and 100-240V AC.



Image: The Setpower 20L Portable Car Refrigerator, showcasing its compact design and black finish.



Image: The Setpower MC20B+Slide refrigerator with its lid open, showing the interior storage space.

Setup and Installation

1. Unpacking

Carefully remove the refrigerator and all accessories from the packaging. Inspect for any damage during transit. Keep packaging materials for future transport or storage.

2. Power Connection

The refrigerator can be powered by either a 12V/24V DC source (car, RV, truck) or a 100-240V AC source (home outlet).

- **DC Power:** Connect the 12/24V DC power cable to the refrigerator's DC input port and then to your vehicle's cigarette lighter socket or a compatible DC power outlet.
- **AC Power:** Connect the 100-240V AC adapter to the refrigerator's AC input port, then plug the adapter into a standard wall outlet.



Image: Diagram illustrating various power supply options including power station, solar panel, home outlet, 12V car, and 24V truck connections.

3. Slide Installation (Optional)

The included slide allows for easy access to the refrigerator. Follow these steps for installation:

1. Position the slide in your desired location (e.g., trunk of an SUV, bed of a truck).
2. Secure the slide to the mounting surface using appropriate fasteners (not included, depending on surface type).
3. Place the refrigerator onto the slide. Ensure it is properly seated and aligned.
4. Utilize the locking design on the slide to secure the refrigerator in place during transit.



Image: Technical drawing showing the dimensions of the refrigerator slide in both unopen and fully extended positions.



Image: Close-up view highlighting features of the slide: locking design, fixing strap, smooth operation, and high-grade cold rolled steel construction.

4. Securing the Refrigerator

For vehicle use, it is recommended to secure the refrigerator to prevent movement during travel. Use the provided fixed ropes:

- Locate the four tie-down points on the refrigerator.
- Thread the fixed ropes through these points and secure them to anchor points in your vehicle.
- Ensure the ropes are taut to prevent shifting.



Image: The Setpower refrigerator secured in a car trunk using the provided fixed ropes, demonstrating the anti-tilt design.

Operation

1. Powering On/Off

After connecting to a power source, press the power button ( ) to turn the unit on. Press and hold the power button for a few seconds to turn it off.

2. Temperature Setting

Use the **+** and **-** buttons to adjust the desired temperature. The display will show the current internal temperature and the set temperature. The unit has a memory function that retains your last temperature setting when reconnected to power.



Image: Close-up of the control panel showing the temperature display, voltage, and battery protection level indicator, along with the power, plus, and minus buttons.

3. Battery Protection Settings

The refrigerator features a 3-level battery protection system (High, Medium, Low) to prevent excessive discharge of your vehicle's battery. Press the settings button (⚙) to cycle through the modes.

Battery Protection Levels

Voltage	High Mode	Medium Mode	Low Mode
12V DC Cut Out	11.1V	10.4V	9.6V
12V DC Cut In	12.4V	11.7V	10.9V
24V DC Cut Out	24.3V	22.8V	21.3V
24V DC Cut In	25.7V	24.2V	22.7V

Note: The compressor will shut off when the measured DC voltage falls below the "Cut Out" value to prevent battery depletion. It will resume operation when the voltage rises above the "Cut In" value. Incorrect protection settings or low power voltage may trigger an E1 error. If this occurs, lower the battery protection mode or recharge the battery.



Image: A woman holding the Setpower refrigerator, with an overlay of the battery protection voltage table and explanation.

4. Removable 2-Way Door

The refrigerator lid can be removed and re-attached to open from either the left or right side, adapting to your space requirements. To change the door direction:

1. Open the lid fully.
2. Gently lift the lid off its hinges.
3. Rotate the lid 180 degrees and align the hinges with the opposite side's slots.
4. Press down firmly until the lid is securely in place.



Image: Illustration demonstrating how the refrigerator's lid can be removed and re-attached to open from either the left or right side.

5. Cooling Modes (Refrigerator/Freezer)

The unit can function as both a refrigerator and a freezer, depending on the set temperature. For refrigeration, set the temperature between 32°F (0°C) and 68°F (20°C). For freezing, set the temperature between -4°F (-20°C) and 32°F (0°C).



Image: Visual representation of the refrigerator's dual functionality, showing items kept fresh (vegetables, fruits, beverages, dairy) and frozen (meat, shrimp, fish, ice cream).

Maintenance

1. Cleaning

- Always disconnect the power before cleaning.
- Clean the interior and exterior with a damp cloth and mild detergent. Avoid abrasive cleaners or solvents.
- Ensure the ventilation grilles are free from dust and debris to maintain efficient cooling.
- Do not immerse the appliance in water.

2. Defrosting

Frost may accumulate on the interior cooling surfaces, especially in humid conditions. To defrost:

1. Turn off the refrigerator and disconnect it from the power supply.
2. Remove all contents.
3. Leave the lid open to allow the frost to melt naturally.
4. Wipe away melted water with a clean cloth. Do not use sharp objects to remove frost.
5. Ensure the interior is completely dry before reconnecting power and resuming operation.

3. Storage

If storing the refrigerator for an extended period:

- Clean and dry the unit thoroughly.
- 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, refer to the following table before contacting customer support:

Common Issues and Solutions

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Refrigerator not turning on	No power supply; Damaged power cable; Blown fuse in vehicle.	Check power connections; Try a different power outlet; Inspect power cable for damage; Check vehicle fuse.
Not cooling sufficiently	Lid not closed properly; Overloaded with warm items; Poor ventilation; Ambient temperature too high.	Ensure lid is sealed; Allow time for cooling; Clear ventilation openings; Move to a cooler environment if possible.
Display shows "E1" error	Low voltage input; Battery protection setting too high.	Recharge vehicle battery; Lower the battery protection mode (High to Medium or Low).
Unusual noise	Unit not level; Fan obstruction.	Ensure unit is on a flat, stable surface; Check for any objects obstructing the fan.

Specifications

Setpower MC20B+Slide Portable Car Refrigerator

Feature	Detail
Model Name	MC20B+Slide
Capacity	20 Liters (21 Quarts)
Product Dimensions (D x W x H)	24.2" x 13" x 13.1"
Item Weight	24 pounds
Voltage	12V / 24V DC, 100-240V AC
Cooling Method	Compressor
Defrost System	Automatic
Noise Level	≤ 42dB
Annual Energy Consumption	184 kWh
Included Components	Refrigerator, Slide, DC Power Cable, AC Adapter, 4 Fixed Ropes



Image: Detailed dimensions of the 20L/21QT refrigerator and its capacity in terms of cans, water bottles, and wine bottles.



Image: Graph illustrating the rapid cooling performance, showing temperature drops from 77°F to 32°F in 15 minutes and to -4°F in 45 minutes, with an average power consumption of 45W.

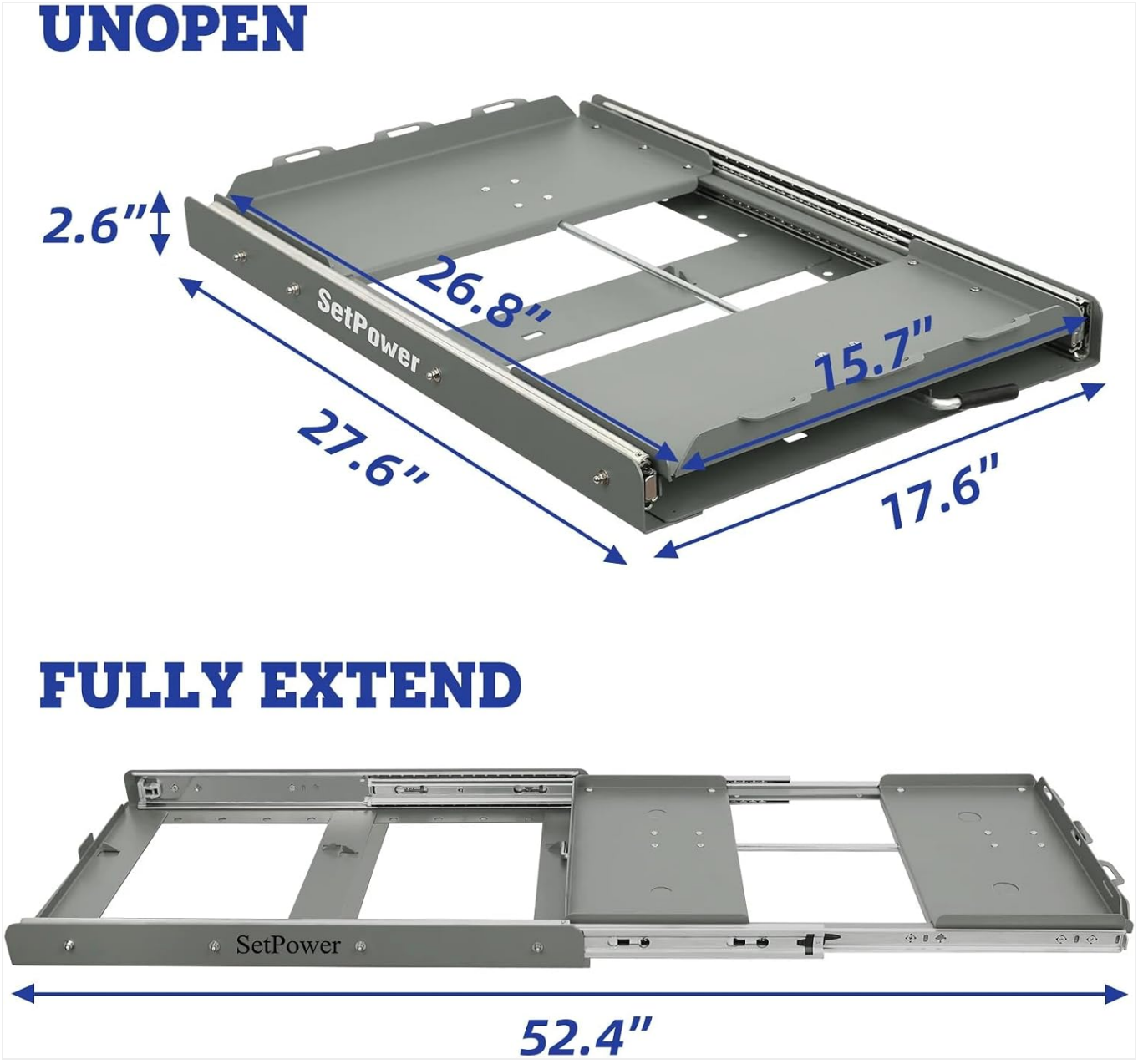


Image: Comparison of noise levels, showing the Setpower refrigerator operating at 42dB, significantly quieter than car driving (85-70dB) and normal chat (70-43dB), comparable to a whisper (40-20dB).

Warranty and Support

Setpower provides the following warranty for this product:

- **Compressor:** 3 Years Technical Support
- **Other Parts:** 1 Year

For technical support, warranty claims, or any questions regarding your Setpower Portable Car Refrigerator, please contact Setpower customer service through the retailer where the product was purchased or visit the official Setpower website for contact information.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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