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› [Kohree 12V Car Refrigerator, 53 Quart \(50L\) Portable Refrigerator User Manual](#)

Kohree HY1908

Kohree 12V Car Refrigerator User Manual

Model: HY1908

IMPORTANT SAFETY INFORMATION

Please read all safety warnings and instructions carefully before operating this appliance to prevent injury or damage.

- Ensure the refrigerator is placed on a stable, level surface to prevent tipping.
- Maintain adequate ventilation around the unit. Do not block air vents.
- Do not immerse the appliance in water or expose it to excessive moisture.
- Use only the provided power cables and connect to appropriate power sources (12/24V DC or 100-240V AC).
- Keep children away from the appliance, especially during operation.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Disconnect power before cleaning or performing any maintenance.

PRODUCT OVERVIEW

The Kohree 53 Quart (50L) Portable Car Refrigerator is designed for versatile use in vehicles, RVs, camping, and travel, offering both refrigeration and freezing capabilities with dual independent temperature zones.

Key Features:

- **Dual Storage Zones:** Features a large 35L (37 Quart) zone and a small 15L (16 Quart) zone, allowing independent temperature control for each.
- **Removable Doors:** Two detachable doors can be installed to change the opening direction for convenient access.
- **User-Friendly Design:** Equipped with non-slip wheels, an adjustable handle, a USB charging port, built-

in LED light, and a removable cutting board.

- **Energy Saving & Battery Protection:** Offers 3 settable levels of battery protection (Low, Medium, High) and operates efficiently with low power consumption.
- **Wide Temperature Range:** Capable of maintaining temperatures between -4°F (-20°C) and 68°F (20°C).



Kohree 53 Quart Portable Car Refrigerator with both lids open, showcasing its capacity for various items.

REMOVABLE DOUBLE DOOR DESIGN

Open the door to one area without affecting another, and change the direction of the door for easier access.



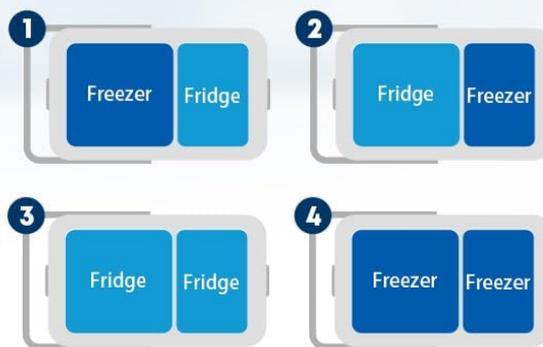
The innovative removable double door design allows for flexible access and configuration.

DUAL ZONE. TEMPERATURE INDEPENDENT CONTROL

The Temperature Of The Two Areas Won't Affect Each Other.



4 DIFFERENT OPTIONS



Seafood



Meat



Ice Cream



Beer & Drink



Vegetable



Fruit



Snacks



Dairy

Independent temperature control for dual zones, allowing for both freezing and refrigeration simultaneously.

53 QUART LARGE CAPACITY



Large Zone **Small Zone**



80 Cans
330ml Cola



36 Bottles
550ml Water



15 Bottles
750ml Wine



Detailed view of the 53 Quart capacity, indicating internal dimensions and potential storage for various beverages.

PACKAGE CONTENTS

Please check the package contents upon unboxing to ensure all items are present.

- Kohree 53 Quart Portable Car Refrigerator
- DC Power Cable (12/24V)
- AC Adapter (100-240V)
- User Manual
- Removable Cutting Board

SETUP AND INSTALLATION

Power Supply Options:

The Kohree car refrigerator supports multiple power inputs for maximum flexibility.

- **12/24V DC:** Connect to your vehicle's cigarette lighter socket.
- **100-240V AC:** Use the AC adapter to connect to a standard wall outlet.
- **External Battery:** Compatible with portable power stations for extended off-grid use.



THREE WAYS OF POWER SUPPLY ⚡



Vehicle Cigarette
Lighter



Wall Socket



External Battery

The refrigerator can be powered by a vehicle's 12V/24V DC outlet, a standard AC wall socket, or an external battery.

Initial Setup:

1. **Unpack:** Carefully remove the refrigerator from its packaging.
2. **Clean:** Before first use, wipe the interior and exterior with a damp cloth and mild detergent. Ensure it is completely dry.
3. **Placement:** Place the refrigerator on a firm, level surface. Ensure there is at least 10 cm (4 inches) of space around all sides for proper ventilation.
4. **Connect Power:** Plug the appropriate power cable into the refrigerator's power input port and then into your chosen power source.
5. **Power On:** Press the power button on the control panel to turn on the unit.

OPERATING INSTRUCTIONS

Control Panel Overview:

The control panel allows you to manage all functions of your refrigerator.

POWERFUL COMPRESSOR FOR FASTER COOLING



77°F (25°C)

32°F (0°C)

-4°F (-20°C)

0 min

25 min

75 min

With a 25 °C room temperature, cooling efficiency of the empty refrigerator

MODE

ECO

Energy saving

MAX 60w/h

MODE

MAX

Fast cooling

ECO 1.4KW/DAY

The control panel provides intuitive access to all refrigerator settings and functions.

- **ON/OFF Button:** Press to turn the unit on or off.
- **Setting Button (Gear Icon):** Press to cycle through settings such as battery protection mode (H/M/L) and cooling mode (MAX/ECO).
- **Temperature Adjustment Buttons (+/-):** Use to increase or decrease the target temperature for each zone.
- **Zone Selection Buttons (L/S):** Select the large (L) or small (S) compartment to adjust its temperature independently.
- **USB Socket:** For charging mobile devices.

Temperature Settings:

The refrigerator features dual zones with independent temperature control, ranging from -4°F (-20°C) to 68°F (20°C).

1. Press the **L** or **S** button to select the desired compartment.
2. Use the **+** or **-** buttons to set the target temperature. The display will show the current temperature and then flash the target temperature.
3. The unit will automatically adjust to reach and maintain the set temperature.

Battery Protection Mode:

This feature protects your vehicle battery from excessive discharge.

- Press the **Setting Button** (Gear Icon) repeatedly until the battery icon flashes.
- Press the **+** or **-** buttons to select the desired level: **H** (High), **M** (Medium), or **L** (Low).
- **High (H):** Recommended for vehicle battery connection to prevent discharge.
- **Medium (M):** Standard setting for most uses.
- **Low (L):** Allows for deeper discharge, suitable when using an external power station.

ECO/MAX Mode:

Choose between energy-saving and rapid cooling modes.

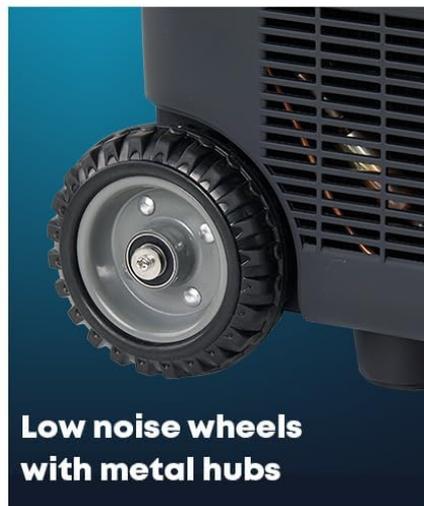
LOWER NOISE 45dB



Cooling performance graph illustrating the efficiency of the powerful compressor in both ECO and MAX modes.

- Press the **Setting Button** (Gear Icon) repeatedly until the cooling mode icon flashes.
- Press the **+** or **-** buttons to select **ECO** (Energy Saving) or **MAX** (Fast Cooling).
- **ECO**: For optimal energy efficiency, suitable for maintaining temperature over long periods.
- **MAX**: For rapid cooling, ideal when you need to quickly reach a low temperature.

Additional Features:



Various user-friendly features enhance the convenience and portability of the refrigerator.

- **USB Charging Port:** Located on the control panel, allows convenient charging of mobile devices.
- **Interior LED Light:** Illuminates the interior for easy visibility, especially in low-light conditions.
- **Adjustable Length Handle:** Extendable handle for comfortable pulling and transport.
- **Low Noise Wheels with Metal Hubs:** Durable wheels for easy portability with minimal noise.
- **Removable Storage Box:** A small compartment for storing accessories or small items.
- **Convenient Removable Cutting Board:** Integrated into the lid for practical use during outdoor activities.

MAINTENANCE AND CARE

Regular maintenance ensures optimal performance and longevity of your refrigerator.

- **Cleaning:** Disconnect power before cleaning. Use a soft cloth dampened with mild detergent to clean the interior and exterior. Do not use abrasive cleaners or harsh chemicals.
- **Defrosting:** If a thick layer of frost builds up, turn off the unit and allow the frost to melt naturally. Use a soft cloth to wipe away melted water. Do not use sharp objects to remove frost.
- **Ventilation:** Regularly check that the ventilation openings are clear of dust and debris to ensure proper airflow.
- **Storage:** When not in use for extended periods, ensure the unit is clean and dry. Store with the lid slightly ajar to prevent odors and mold growth.
- **Door Seals:** Inspect door seals regularly for any damage or wear. Clean them to ensure a tight seal for efficient cooling.

TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions.

| Problem | Possible Cause | Solution |
|---------------------------------|--|---|
| Refrigerator not cooling | No power supply; Incorrect temperature setting; Blocked ventilation; Faulty cable. | Check power connection; Adjust temperature; Clear vents; Replace cable if damaged. |
| Display error code | Internal sensor issue; Overload. | Restart the unit; If error persists, contact customer support. |
| Excessive noise | Unit not level; Fan obstruction; Compressor issue. | Ensure unit is level; Check for obstructions around fan; If noise persists, contact customer support. |
| Temperature not reaching target | Lid not sealed properly; Overloaded with warm items; High ambient temperature. | Ensure lid is closed tightly; Pre-cool items if possible; Operate in a cooler environment. |

SPECIFICATIONS

| Feature | Specification |
|------------------------|--|
| Model Number | HY1908 |
| Capacity | 53 Quart (50L) - Large zone: 35L, Small zone: 15L |
| Dimensions (L x W x H) | 27.87 x 14.96 x 21.69 inches (70.8 x 38 x 55.1 cm) |
| Item Weight | 45.4 pounds (20.6 kg) |
| Temperature Range | -4°F to 68°F (-20°C to 20°C) |
| Power Input | DC 12V/24V, AC 100-240V |

| Feature | Specification |
|-----------------|--------------------|
| Noise Level | Approximately 45dB |
| Refrigerant | R-600A |
| Number of Doors | 2 (Removable) |

WARRANTY AND SUPPORT

Kohree products are manufactured to high-quality standards and are backed by a limited warranty. For specific warranty details, please refer to the warranty card included with your purchase or visit the official Kohree website.

If you encounter any issues or have questions not covered in this manual, please contact Kohree customer support for assistance. Our dedicated team is available to help you with troubleshooting, parts, and general inquiries.

Contact Information:

Please refer to your product packaging or the official Kohree website for the most up-to-date customer support contact details.