Alpicool GES45

Alpicool GES45 32L Portable Car Refrigerator Instruction Manual

Model: GES45 | Capacity: 32L

1. Introduction

Thank you for purchasing the Alpicool GES45 32L Portable Car Refrigerator. This manual provides essential information for the safe and efficient operation of your new appliance. Please read these instructions carefully before use and retain them for future reference.

2. Safety Information

- Ensure the power supply voltage matches the specifications of the refrigerator.
- Do not operate the appliance with wet hands or near water.
- Keep ventilation openings clear of obstructions.
- Avoid placing the refrigerator in direct sunlight or near heat sources.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Always disconnect power before cleaning or performing maintenance.

3. Package Contents

The Alpicool GES45 32L Portable Car Refrigerator package includes the following items:

- Alpicool GES45 Refrigerator Unit
- AC Power Cord + Adapter (approx. 2.2m)
- DC Power Cord (approx. 2.5m)

- Instruction Manual (this document)

4. Product Features Overview

- **Dual-Zone Independent Temperature Control:** Two separate compartments allow for simultaneous refrigeration and freezing, with individual temperature settings for each zone.
- **Rapid Freezing Function:** Achieves 0°C from 25°C in approximately 15 minutes, and -20°C in about 60 minutes.
- **Energy-Saving Modes:** Features an ECO mode for reduced power consumption (approx. 450Wh/day) and an HH mode for faster cooling (approx. 600Wh/day).
- **3-Way Power Supply:** Compatible with DC 12V/24V for vehicle use, AC 100V for home use, and portable power sources (sold separately).
- **Quiet Operation:** Operates at approximately 45dB, comparable to a quiet library environment.
- **Shock-Resistant Design:** Engineered to operate stably even when tilted up to 45 degrees, suitable for various terrains.
- **Low Voltage Protection:** Automatically prevents vehicle battery drain by shutting off when voltage drops below a set level.
- **Built-in LED Light:** An internal LED light illuminates automatically when the lid is opened, and turns off when closed.
- **Integrated Bottle Opener:** Conveniently located for easy access during outdoor activities.

5. Setup

5.1 Unpacking

Carefully remove the refrigerator from its packaging. Inspect the unit for any damage that may have occurred during transit. Retain the packaging for future transport or storage.

5.2 Initial Placement

Place the refrigerator on a flat, stable surface. Ensure adequate ventilation around the unit, leaving at least 10 cm of space on all sides for proper airflow.

5.3 Power Connection

The Alpicool GES45 supports three power input methods:

1. **DC 12V/24V (Vehicle Use):** Connect the provided DC power cord to the refrigerator's DC input port and then to your vehicle's cigarette lighter socket. This is suitable for cars, trucks, and other vehicles.
2. **AC 100V (Home Use):** Connect the provided AC power cord to the adapter, then plug the adapter into the refrigerator's AC input port. Finally, plug the AC power cord into a standard 100V wall outlet.
3. **Portable Power Supply:** The unit can also be powered by a compatible portable power station (sold separately) using the appropriate cable.



Image: Illustration of the three power input options: 12V/24V DC for vehicles, 100V AC for home, and portable power supply.

6. Operating Instructions

6.1 Control Panel Overview

The control panel is located on the front of the unit and features an LED display, temperature adjustment buttons, mode selection, and power controls.



Image: Detailed view of the control panel, showing temperature settings for left and right compartments, power button, and mode button.

6.2 Powering On/Off

Press the power button (**O**) to turn the refrigerator on or off.

6.3 Temperature Setting

The Alpicool GES45 features two independent compartments. To set the temperature for each:

1. Press the 'Set' button to select the desired compartment (left or right). The corresponding temperature display will flash.
2. Use the '+' and '-' buttons to adjust the temperature. The temperature range is -20°C to 20°C.
3. The setting will be saved automatically after a few seconds of inactivity.



Image: The refrigerator displaying its dual-zone capability, with one side set for freezing (-20°C to 0°C) and the other for refrigeration (0°C to 10°C).

6.4 Mode Selection (ECO/HH)

Press the 'Mode' button to switch between ECO (Energy Saving) and HH (Rapid Freezing) modes. ECO mode is recommended for general use to conserve power, while HH mode provides faster cooling when needed.



Image: The refrigerator illustrating its energy-saving (ECO) mode at approximately 450Wh/day and rapid cooling (HH) mode at approximately 600Wh/day.

6.5 Battery Protection Settings

The refrigerator includes a low voltage protection system to prevent your vehicle's battery from draining. You can select from three levels: High, Medium, and Low. Refer to the control panel for setting this feature.



Image: The portable refrigerator positioned in a car trunk, with an overlay indicating High, Medium, and Low battery voltage protection settings.

7. Maintenance

7.1 Cleaning

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

7.2 Defrosting

If ice accumulates inside the freezer compartment, unplug the unit and allow the ice to melt naturally. Drain any water through the drain plug if available, then wipe the interior dry.

7.3 Storage

When storing the refrigerator for an extended period, ensure it is clean and dry. Leave the lids slightly ajar to

prevent odors and mold growth.

8. Troubleshooting

If you encounter issues with your Alpicool GES45, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Refrigerator not turning on	No power supply; loose connection; blown fuse.	Check power cord connection; verify power source; check vehicle fuse.
Insufficient cooling	Temperature setting too high; poor ventilation; excessive items inside.	Lower temperature setting; ensure clear ventilation; do not overfill.
Unusual noise	Unit not level; fan obstruction.	Place on a level surface; check for obstructions around the fan.
Error codes on display	Internal fault.	Refer to the full manual for specific error code meanings or contact support.

9. Specifications

Attribute	Value
Brand	Alpicool
Model Number	GES45
Capacity	32 L
Product Dimensions (D x W x H)	36.5 cm x 61.4 cm x 45.2 cm
Item Weight	12.8 kg
Voltage	100 Volts (AC)
Defrost System Type	Semi-Automatic
Door Count	2
Door Opening Type	Top-opening
Special Features	Digital Temperature Control, Large Capacity, Energy Saving, Anti-Vibration, Quiet Operation
Annual Energy Consumption	100 Kilowatt Hours
Country of Origin	China

10. Warranty and Support

10.1 Warranty Information

The Alpicool GES45 Portable Car Refrigerator comes with a warranty:

- **Compressor:** 3 years from the date of purchase.
- **Other Accessories:** 1 year from the date of purchase.

Please retain your proof of purchase for warranty claims.

10.2 Customer Support

If you have any questions, concerns, or require technical assistance, please contact Alpicool customer support. Contact details can typically be found on the product packaging or the official Alpicool website.