Alpicool AIP-LG

Alpicool TWW75-LG Portable Refrigerator User Manual

Model: AIP-LG

Overview Setup Operation Maintenance Troubleshooting Specifications Support

1. Product Overview

The Alpicool TWW75-LG Portable Refrigerator is a versatile 80-quart (75-liter) compact fridge and mini freezer designed for travel, camping, fishing, and outdoor use. It features dual temperature control, allowing both compartments to function independently as a refrigerator or freezer. This unit operates on 12V/24V DC power, making it suitable for vehicles, and includes a 3-stage car battery protection system.

Key features include an LCD display panel, built-in LED light, internal baskets for organization, and durable wheels with a draw bar for easy portability. The vibration-resistant design ensures safety during travel. Powered by an LG compressor, it offers efficient cooling performance with selectable ECO and HH modes.



Figure 1.1: The Alpicool TWW75-LG portable refrigerator with its dual lids open, showcasing the two independent compartments. This image highlights the overall design and accessibility of the unit.



Figure 1.2: Detailed view of the Alpicool TWW75-LG highlighting key design features such as the removable door, protective foot pads, heavy-duty handle, and secure door latch. These elements contribute to the unit's durability and ease of use.

2. Setup and Initial Use

Before first use, ensure the unit is placed on a stable, level surface. Allow adequate ventilation around the refrigerator, especially near the compressor area.

2.1 Power Connection

The Alpicool TWW75-LG supports multiple power supply modes:

- **12V/24V DC:** Connect the provided DC power cord to the refrigerator's DC input port and then to your vehicle's 12V or 24V power outlet (e.g., cigarette lighter socket).
- **100-240V AC:** For home or standard wall outlet use, connect an appropriate AC adapter (not always included, refer to package contents) to the unit and then to a standard wall socket.
- **Power Station + Solar Panel:** The unit can also be powered by a compatible portable power station, which can be recharged via a solar panel for extended off-grid use.

Ensure the power source matches the unit's voltage requirements. The refrigerator is designed with a 3-stage car battery protection system to prevent your vehicle's battery from running down. This system has Low, Med, and High settings, which can typically be adjusted via the control panel.

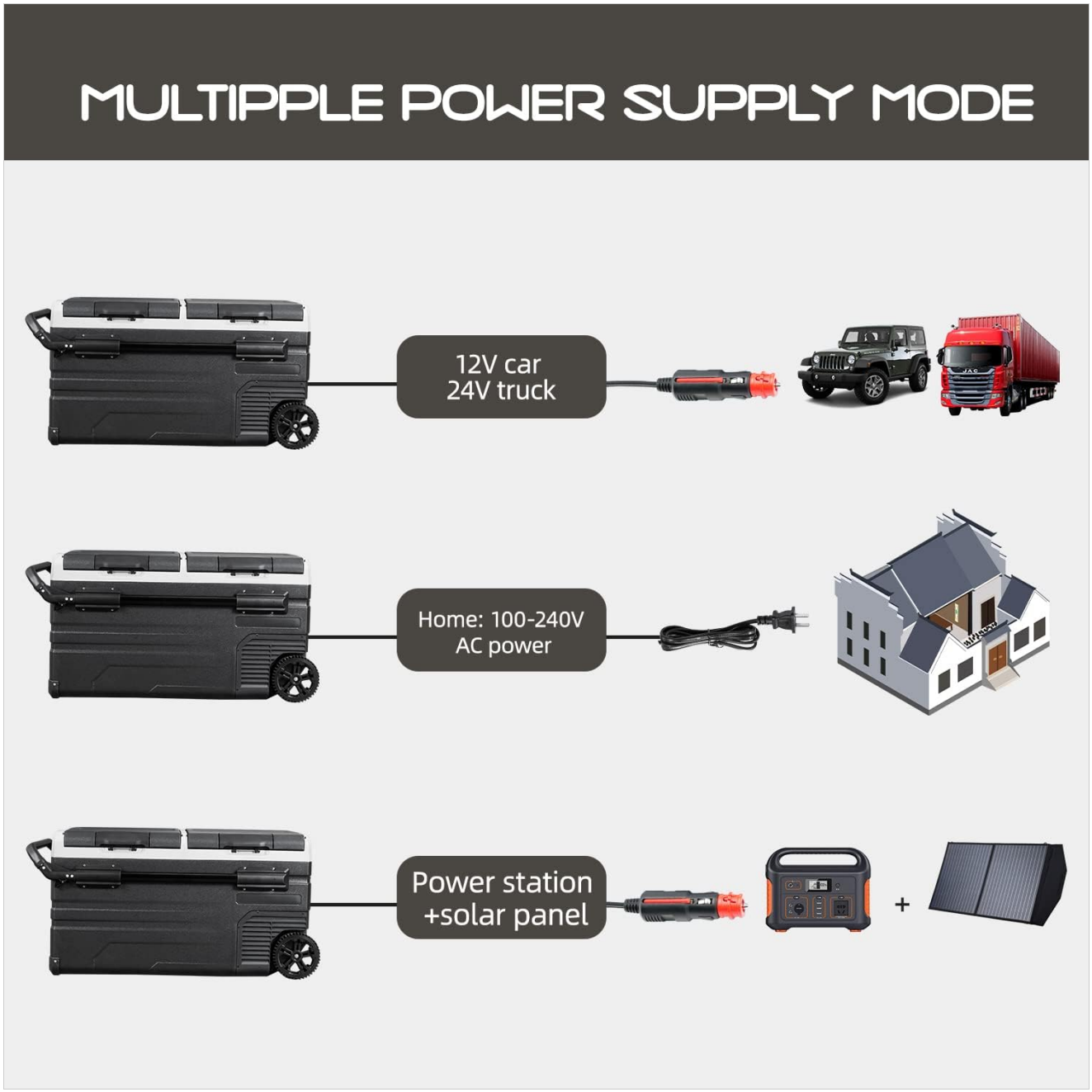


Figure 2.1: Illustration of the various power supply options for the Alpicool TWW75-LG, including direct connection to 12V car or 24V truck power, 100-240V AC home power, and compatibility with portable power stations and solar panels for off-grid applications.

3. Operation

3.1 Control Panel

The unit features an intuitive LCD control panel for precise temperature management. The panel typically includes buttons for power, temperature adjustment (+/-), and mode selection.



Figure 3.1: Close-up view of the Alpicool TWW75-LG's LCD control panel, showing temperature display and control buttons. Also visible are the interior LED light for illumination, a wire storage basket for organization, and the durable wheels for easy transport.

3.2 Dual Temperature Control

The TWW75-LG model is equipped with two independent compartments, each capable of being set as a refrigerator or a freezer. This allows for flexible storage of various items requiring different temperature zones.

- **Temperature Range:** The unit can reach temperatures as low as -4°F (-20°C) and up to 68°F (20°C).
- **Setting Temperatures:** Use the '+' and '-' buttons on the control panel to adjust the desired temperature for each compartment. The LCD display will show the current and set temperatures.



Figure 3.2: This image illustrates the dual compartment functionality of the Alpicool TWW75-LG, demonstrating how each side can be independently set for refrigeration (e.g., vegetables, drinks) or freezing (e.g., ice cream, meat) with corresponding temperature ranges.

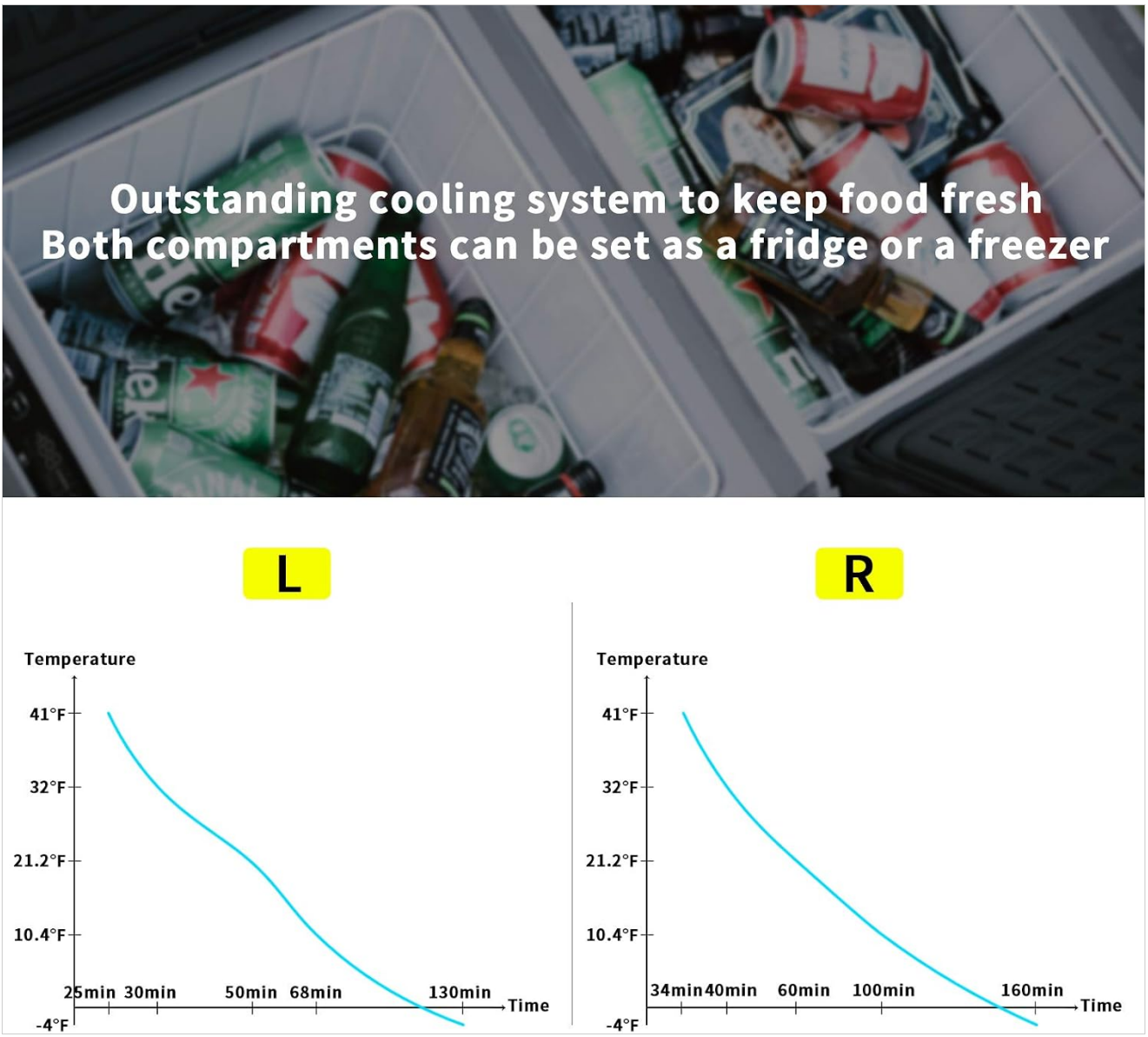


Figure 3.3: Graphs depicting the cooling performance of the Alpicool TWW75-LG's left and right compartments, showing the time taken to reach target temperatures from an initial state. This demonstrates the efficiency of the cooling system.

3.3 Cooling Modes

The unit offers two cooling modes:

- **ECO Mode:** Energy-saving mode, suitable for maintaining temperature over longer periods with lower power consumption.
- **HH (Max) Mode:** High-performance mode for rapid cooling, ideal when you need to quickly reach the desired temperature.

Select the appropriate mode based on your cooling needs and power availability.

4. Maintenance

Regular maintenance ensures optimal performance and longevity of your Alpicool portable refrigerator.

4.1 Cleaning

- **Interior:** Disconnect power before cleaning. Use a soft cloth dampened with mild detergent and water to wipe the interior surfaces. Rinse with clean water and dry thoroughly. The unit is equipped with a drain plug for easy water removal during cleaning.

- **Exterior:** Wipe the exterior with a soft, damp cloth. Avoid using abrasive cleaners or solvents.
- **Condenser:** Periodically check and clean the condenser coils (usually located near the compressor) to ensure efficient heat dissipation. Use a soft brush or vacuum cleaner to remove dust and debris.

4.2 Storage

When storing the refrigerator for extended periods, ensure it is clean and dry. Leave the lids slightly ajar to prevent odors and mold growth. Store in a dry, well-ventilated area away from direct sunlight and extreme temperatures.

5. Troubleshooting

This section provides solutions to common issues you might encounter. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
Refrigerator not cooling	No power; Power cord loose; Temperature setting too high; Poor ventilation; Compressor fault.	Check power connection; Ensure power outlet is functional; Lower temperature setting; Ensure adequate space around unit; Contact support if compressor is suspected.
Display shows error code	Sensor fault; Voltage issue; Compressor issue.	Refer to the specific error code in the full manual (if available); Check voltage supply; Contact customer support.
Unit is noisy	Unit not level; Fan obstruction; Normal compressor operation.	Ensure unit is on a flat surface; Check for debris near fan; Some noise is normal during operation.
Battery protection system activating frequently	Vehicle battery low; Battery protection setting too high.	Charge vehicle battery; Adjust battery protection setting to a lower level (e.g., "Low" or "Med").

6. Specifications

Detailed technical specifications for the Alpicool TWW75-LG Portable Refrigerator.



Figure 6.1: Visual representation of the Alpicool TWW75-LG's 80-quart capacity, illustrating how many cans of cola, bottles of water, or bottles of wine it can hold. The image also provides the exterior dimensions of the unit.

Feature	Detail
Model	TWW75-LG
Capacity	80 Quart (75 Liter)
Exterior Dimensions (L x W x H)	32.52"D x 21.06"W x 18.19"H (82.6cm x 53.5cm x 46.2cm)
Voltage	12V/24V DC
Rated Power	80W
Temperature Control Range	-4°F ~ 68°F (-20°C ~ 20°C)
Noise Level	≤45dB

Feature	Detail
Net Weight	53.9 lbs (24.45 kg)
Compressor	LG Compressor
Special Features	Dual Temperature Control, LCD Display, LED Light, Wheels, Draw Bar, 3-Stage Battery Protection

7. Warranty and Customer Support

For warranty information, please refer to the warranty card included with your product or visit the official Alpicool website. Keep your purchase receipt as proof of purchase.
If you require technical assistance, have questions about operation, or need to report a defect, please contact Alpicool customer support. You can often find contact details on the manufacturer's website or within the product packaging.
For more information, you may visit the**Alpicool Store on Amazon**.

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