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Alpicool NL15

Alpicool 12 Volt Refrigerator User Manual

Model: NL15

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Alpicool 12 Volt Portable Refrigerator. Please read this manual thoroughly before use and retain it for future reference.

The Alpicool NL15 is a versatile 16-quart portable refrigerator/freezer designed for various applications, including car, RV, truck, camper, SUV, and camping use. It offers efficient cooling and can operate on both DC (12V/24V) and AC (110-240V) power sources.

2. SAFETY INSTRUCTIONS

To ensure safe operation and prevent damage, please observe the following safety precautions:

- Do not expose the unit to direct sunlight for prolonged periods, as this may cause deformation.
- Ensure proper ventilation around the unit, especially near the compressor side, to prevent overheating.
- Use only the provided power cords and adapters.
- Keep the unit away from heat sources and flammable materials.
- Do not immerse the unit in water or expose it to heavy rain.
- Always disconnect power before cleaning or performing maintenance.
- Keep out of reach of children.

3. WHAT'S IN THE BOX

Upon unpacking, verify that all components are present:

- 16 Quarts Portable Refrigerator (Model NL15)
- User Manual (this document)
- 12V / 24V DC Power Cord (for car cigarette lighter)
- 110V~240V AC Adapter and Power Cord (for home use)



Image: The Alpicool 16 Quart Portable Refrigerator (NL15) shown with its AC and DC power cords.

4. SETUP

4.1 Initial Placement

Place the refrigerator on a flat, stable surface. Ensure there is adequate space around the unit for proper ventilation, especially around the compressor vents. The unit is designed to be anti-shake and can be secured using tie-down slots for travel.

SAFETY TIE DOWN SLOTS

There are four slots for you to fasten the refrigerator on to the car while you travel through a bumpy road



Image: Close-up of the Alpicool refrigerator showing the safety tie-down slots for secure placement during travel.

4.2 Power Connection

The Alpicool NL15 supports dual power input:

- **DC 12V/24V:** Use the provided car cigarette lighter power cord for vehicle use.
- **AC 110V-240V:** Use the provided AC adapter and power cord for home or standard outlet use.

Connect the appropriate power cord to the unit's power input port. Ensure the connection is secure.

Intelligent Battery Protection



Battery Protection



Ensuring Safety



Efficient Working



Image: The Alpicool refrigerator demonstrating its compatibility with both DC 12V/24V car cigarette lighter and AC 110V/240V wall socket power sources.

4.3 Battery Protection Function

The unit is equipped with an over-discharge protection function to prevent draining your vehicle's battery. This feature automatically adjusts power consumption to safeguard your battery.

Low Noise Design <45dB

A Quiet Environment Make You Comfort



10dB

Falling Leaves



30dB

Whisper



45dB

Alpicool



60dB

Normal Chating



85dB

Car Driving



Image: The Alpicool refrigerator placed in a car trunk, highlighting its intelligent battery protection system.

5. OPERATION

5.1 Control Panel Overview

The control panel is located on the top of the unit and features an LED display and control buttons:

- **Power Button:** Press to turn the unit ON/OFF.
- **Temperature Up Button (▲):** Increases the target temperature.
- **Temperature Down Button (▼):** Decreases the target temperature.
- **Set Button (Gear Icon):** Enters temperature setting mode or cycles through modes (if applicable).

Precise Temperature Control

Adjustable Temp Range: -4°F ~ 68°F

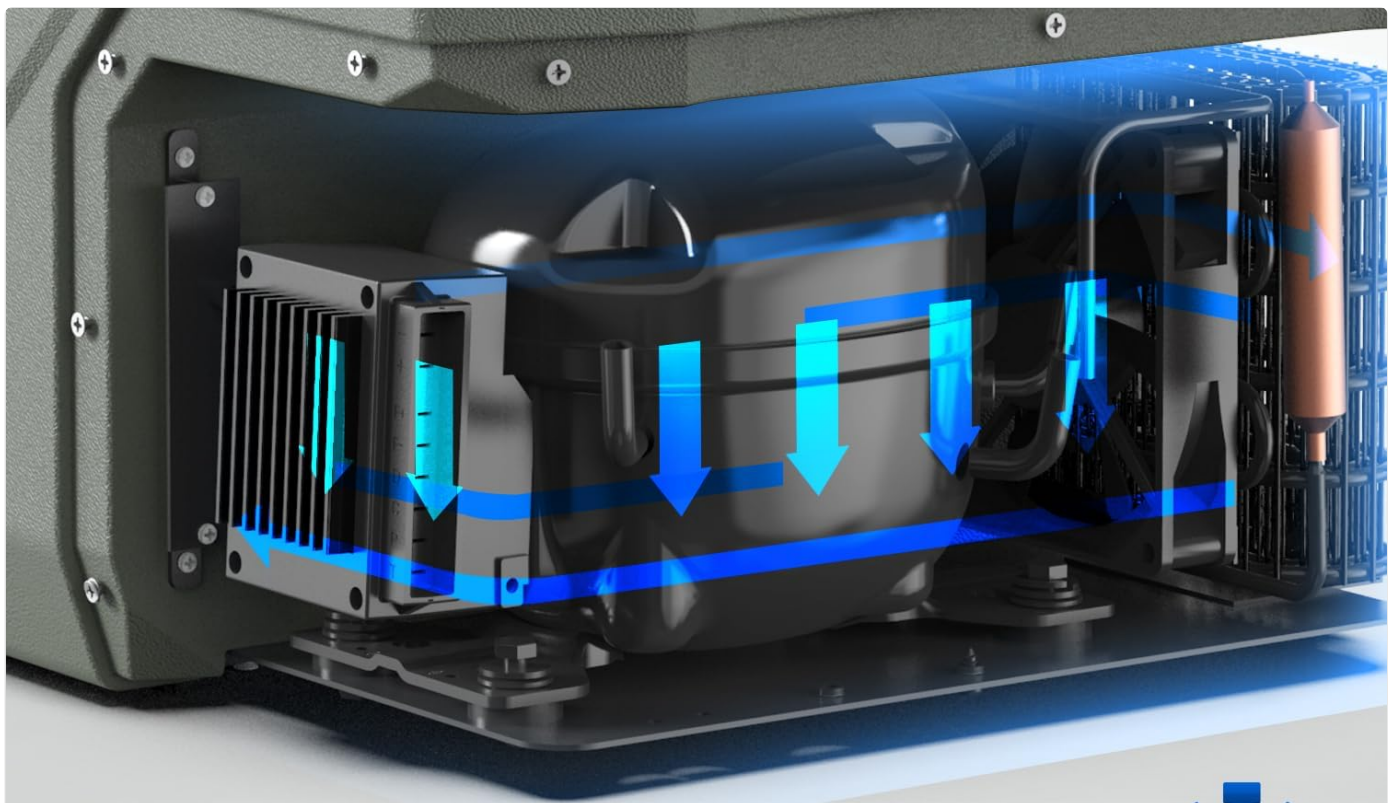


Image: Close-up of the Alpicool refrigerator's control panel, showing the digital temperature display and the temperature adjustment and power buttons.

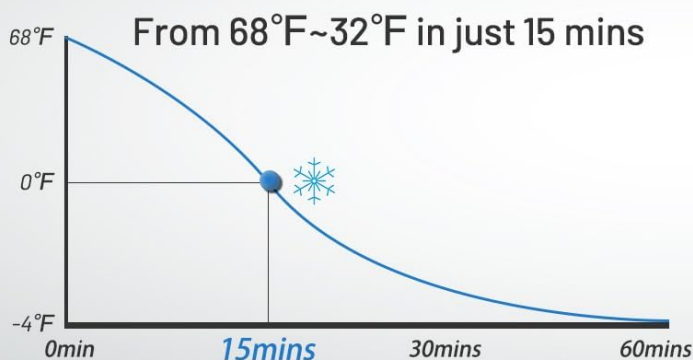
5.2 Setting Temperature

To set the desired temperature, press the ▲ or ▼ buttons. The display will show the set temperature. The unit will automatically cool or heat to maintain this temperature. The adjustable temperature range is from -4°F (-20°C) to 68°F (20°C).

The unit can rapidly cool from 77°F (25°C) to 32°F (0°C) in approximately 15 minutes, and to -4°F (-20°C) within an hour, demonstrating its efficient cooling capabilities.



Powerful & Efficiency Cooling



Low Noise <45dB



Fast Cooling

Image: Diagram illustrating the rapid cooling performance of the Alpicool refrigerator, showing temperature drop over time.

5.3 Cooling Modes (Fridge vs. Freezer)

The Alpicool NL15 functions 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).

FREEZER & FRIDGE 2 WAYS FOR FOOD STORAGE



ICE CREAM



SEA FOOD



BEEF



VEGETABLE



FRUIT



DRINKS

Image: Visual representation of the Alpicool refrigerator's dual functionality, capable of operating as both a freezer and a refrigerator for various food storage needs.

5.4 Quiet Operation

The unit is designed for quiet operation, with noise levels typically around 45dB, comparable to a whispering sound. This ensures minimal disturbance during use, even in quiet environments.

TWO METHODS OF POWER SUPPLY



DC 12V/24V
Car Cigarette lighter



AC 110V / 240V
Wall socket

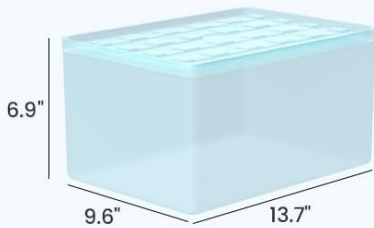
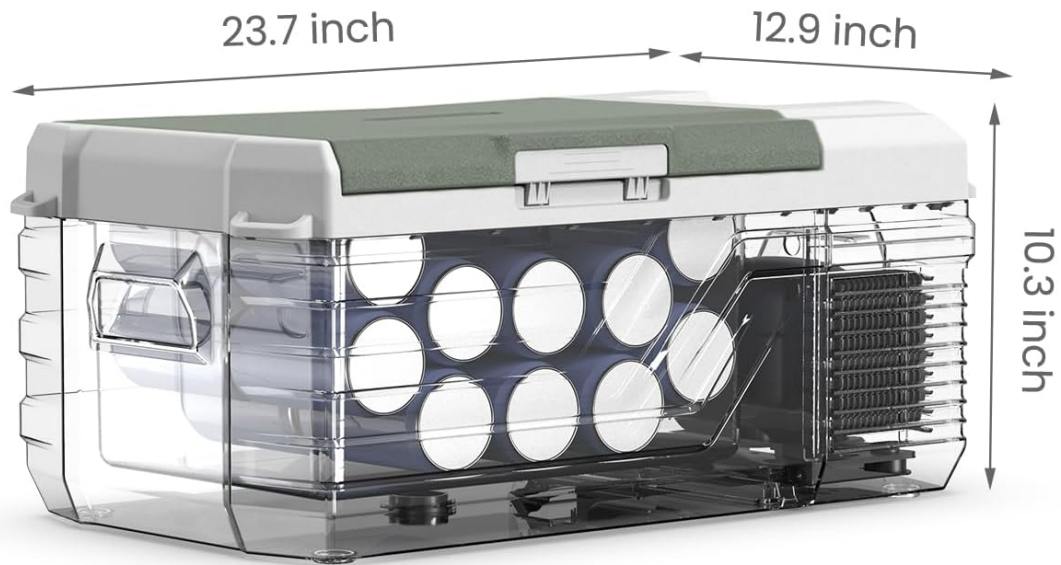


Image: A graphic illustrating the low noise level of the Alpicool refrigerator, rated at less than 45dB, ensuring a quiet environment.

5.5 Capacity

The 16-quart (15.3 Liters) capacity can hold approximately 20 cans of 12fl oz cola or 18 bottles of 16.9fl oz water, making it suitable for short trips or camping.

16 QUART CAPACITY



×20
12FL OZ



×18
16.9FL OZ



×7
25.3FL OZ

Image: Dimensions and capacity examples for the 16-quart Alpicool refrigerator, showing how many cans or bottles it can hold.

6. MAINTENANCE

6.1 Cleaning

Regularly clean the interior and exterior of the refrigerator with a damp cloth and mild detergent. Do not use abrasive cleaners or solvents. Ensure the unit is unplugged before cleaning.

6.2 Defrosting

The unit features a frost-free defrost system. However, if ice buildup occurs, turn off the unit and allow the ice to melt naturally. Wipe away any melted water with a clean cloth.

6.3 Storage

When storing the unit for extended periods, ensure it is clean, dry, and unplugged. Store in a cool, dry place away from direct sunlight.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit not turning on	No power supply; loose connection; faulty power outlet.	Check power cord connection; try a different outlet; ensure vehicle's ignition is on if using DC power.
Unit not cooling sufficiently	Poor ventilation; overloaded with warm items; lid not closed properly; ambient temperature too high.	Ensure proper airflow around vents; allow time for cooling; check lid seal; avoid placing in direct sunlight.
Excessive noise	Unit not level; fan obstruction.	Place on a level surface; check for and remove any obstructions from fan.
Display error codes	Internal fault.	Refer to the full user manual for specific error code meanings or contact customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	Alpicool
Model	NL15
Capacity	16 Quarts (15.3 Liters)
Temperature Range	-4°F to 68°F (-20°C to 20°C)
Power Input	DC 12V/24V, AC 110V-240V
Item Weight	18.26 pounds (8.3 Kilograms)
Product Dimensions	12.91 x 23.7 x 10.35 inches
Noise Level	<45dB
Special Features	Energy Efficient, Portable, Plug-in, Anti-Shake, Low Noise, Frost Free

9. PRODUCT VIDEOS

Alpicool NL Series Overview

Your browser does not support the video tag.

Video: An official overview of the Alpicool NL Series portable refrigerators, showcasing various models and their features. This video provides a general understanding of the product line's capabilities and design.

10. WARRANTY AND SUPPORT

Alpicool offers a warranty for its products. Please refer to the warranty card included with your purchase for specific terms and conditions. For technical support, troubleshooting assistance, or warranty claims, please contact Alpicool customer service.

Customer Service: Visit the [Alpicool Store on Amazon](#) for contact information and further resources.

