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› [Alpicool](#) /

› Alpicool NLS35 Portable Car Refrigerator User Manual

Alpicool

Alpicool Portable Car Refrigerator User Manual

Model: NLS35

1. PRODUCT OVERVIEW

The Alpicool NLS35 Portable Car Refrigerator is a versatile dual-zone cooling solution designed for various mobile applications, including cars, trucks, RVs, campers, and SUVs. It functions as both a refrigerator and a freezer, offering independent temperature control for each compartment. This unit is engineered for energy efficiency, low noise operation, and durability, making it suitable for extended trips and outdoor adventures. It supports multiple power inputs, including 12V/24V DC and 110-240V AC.



Figure 1: Alpicool NLS35 Portable Car Refrigerator with included power cables.

2. SAFETY INSTRUCTIONS

To ensure safe operation and prolong the lifespan of your Alpicool portable refrigerator, please adhere to the following safety guidelines:

- Read the entire user manual before operating the appliance.
- Ensure proper ventilation around the unit. Do not block air vents.
- Avoid placing the unit in direct sunlight or near heat sources.
- Use only the provided power cords and adapters.
- Do not immerse the unit in water or expose it to excessive moisture.
- Keep the unit away from flammable materials.
- Always disconnect power before cleaning or performing maintenance.

- Do not operate the unit if the power cord is damaged.
 - Keep children away from the appliance during operation.
 - The unit is designed for stable operation on inclines up to 45 degrees for short periods. Avoid prolonged operation at extreme angles.
-

3. PACKAGE CONTENTS

Verify that all items are included in your package:

- 1 x Alpicool NLS35 Portable Refrigerator (25 Quarts)
 - 1 x User Manual
 - 1 x 12V / 24V DC Power Cord
 - 1 x 110V~240V AC Adapter and Power Cord
-

4. PRODUCT FEATURES

4.1 Dual Zone & Independent Control

The Alpicool NLS35 features two independent cooling zones, allowing you to set different temperatures for each. This enables simultaneous refrigeration and freezing, or setting both zones to the same temperature. The adjustable temperature range is from -4°F to 68°F (-20°C to 20°C).

DUAL ZONE INDEPENDENT TEMPERATURE CONTROL



(-4°F ~ 68°F)



Fruits



Vegetables



Beverage



Steak

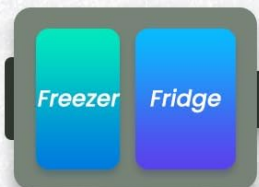


Seafood

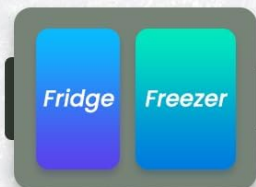


Ice Cream

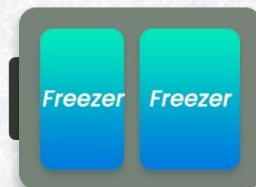
4 Combinations



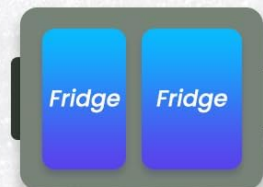
1



2



3



4

Figure 2: Dual zone functionality allows for flexible temperature settings for various items.

4.2 Large Capacity

With a total capacity of 25 quarts (23.3 liters), this portable refrigerator can accommodate a significant amount of food and beverages. It is designed to hold approximately 30 cans of 12fl oz cola, 23 bottles of 16.9fl oz water, or 3 bottles of 25fl oz wine.

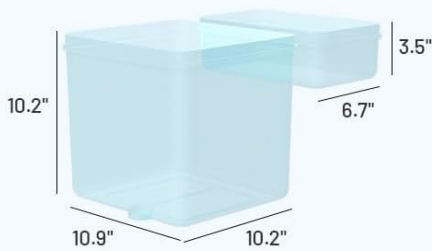
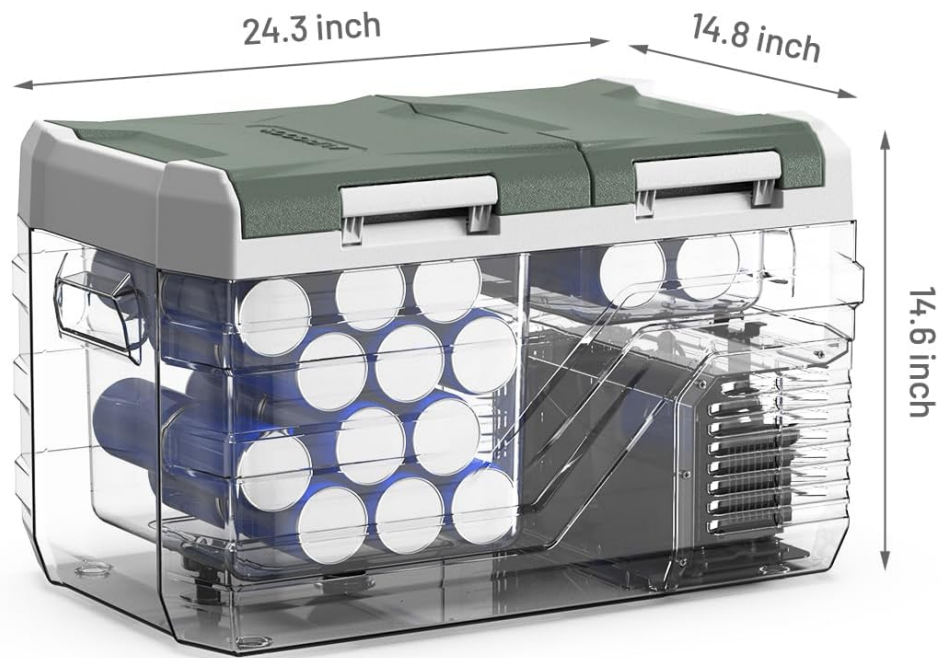
25**QUART**
LARGE CAPACITY**x30****x23****x3**

Figure 3: The 25-quart capacity provides ample storage for travel needs.

4.3 Powerful & Energy Saving Compressor

Equipped with an advanced compressor, the unit can rapidly cool from 77°F (25°C) to 32°F (0°C) in just 15 minutes and reach -4°F (-20°C) within 60 minutes. It offers two operational modes: ECO (45W) for energy efficiency and MAX (60W) for rapid cooling.



Figure 4: The powerful compressor ensures quick cooling and efficient operation.

4.4 Battery Protection System

The refrigerator features a three-level battery voltage protection system (H/M/L) to prevent excessive discharge of your vehicle's battery. The unit automatically stops operation if the battery voltage drops below a set threshold.



Figure 5: Intelligent battery protection safeguards your vehicle's power source.

4.5 Multiple Power Options

The unit supports flexible power input options: 12V/24V DC for vehicle use (cigarette lighter) and 110V~240V AC for home or standard outlet use.

COMPATIBLE WITH DIFFERENT POWER SOURCES



DC 12V Car
Cigarette lighter



DC 24V RV
Cigarette lighter



AC 110V~240V
Wall socket



Figure 6: Versatile power options for use in various environments.

4.6 Low Noise Operation

Designed to operate quietly, the Alpicool NLS35 produces less than 45 decibels of noise, ensuring a comfortable environment, even during sleep.

LOW NOISE DESIGN

A Quiet Environment Make You Feel Comfort



Figure 7: The low noise design ensures minimal disturbance.

4.7 Anti-Shake Design

The robust construction and anti-shake design allow the refrigerator to operate stably even on uneven terrain or inclines up to 45 degrees, making it ideal for off-road travel.

ANTI-SHOCK&ANTI-SHAKE

Shockproof and durable material for rocky road

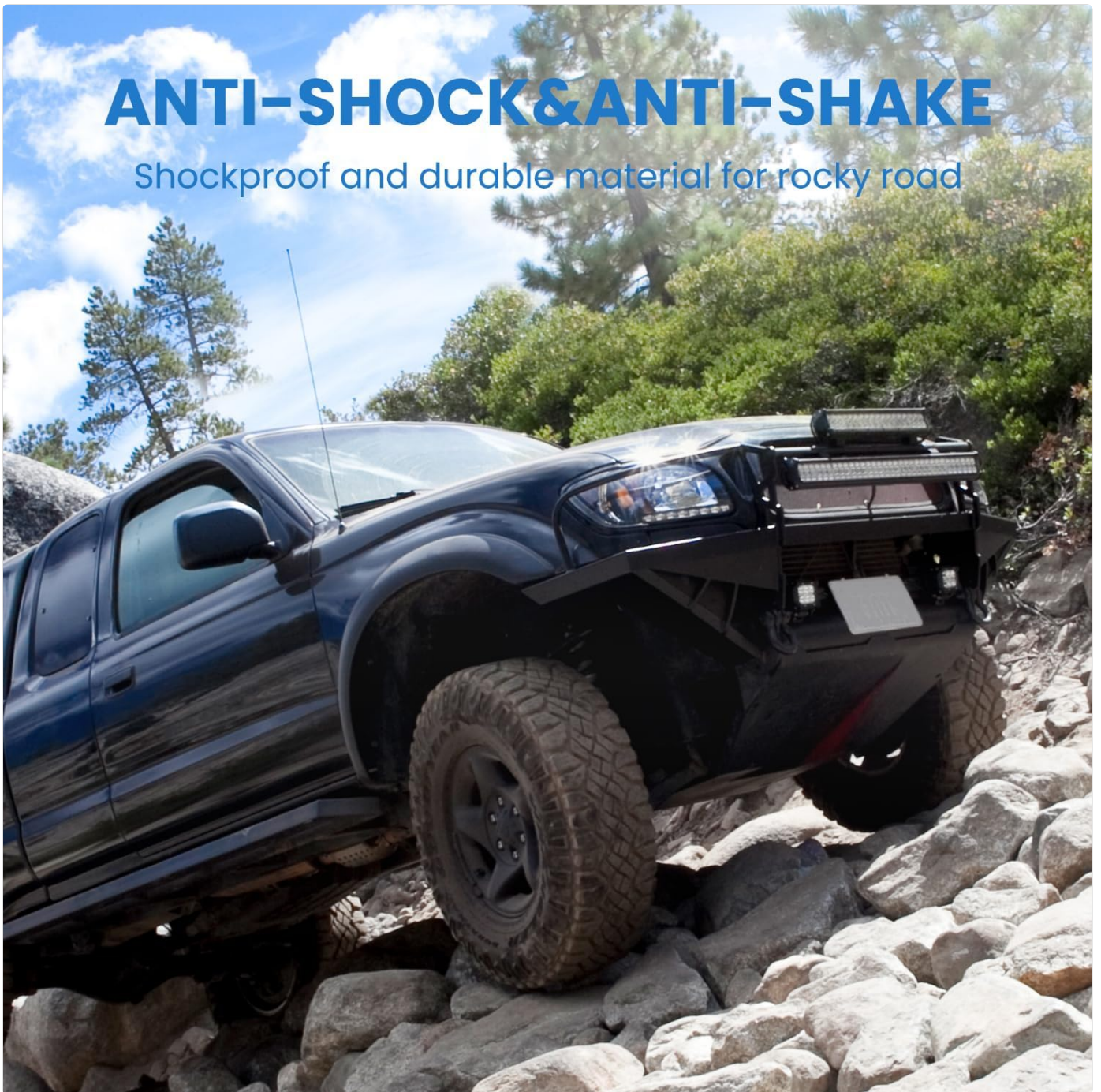


Figure 8: The anti-shake design ensures stable performance on various terrains.

4.8 Reversible Door

The lid is designed to be reversible, allowing you to change its opening direction to adapt to different vehicle layouts and space constraints. This provides greater flexibility in placement and access.



Figure 9: The reversible door offers flexible access options.

4.9 USB Charging Port

An integrated USB port allows for convenient emergency charging of your phone or tablet, adding utility during travel.



Figure 10: The integrated USB port provides convenient charging for mobile devices.

5. SETUP

5.1 Placement

Place the portable refrigerator on a stable, level surface. Ensure adequate air circulation around the unit, especially near the ventilation grilles, to allow for efficient heat dissipation. Avoid placing it directly against walls or in enclosed spaces without airflow.

5.2 Power Connection

Connect the appropriate power cord (DC 12V/24V or AC 110V~240V) to the power input port on the unit. Then, connect the other end to your vehicle's cigarette lighter socket or a standard wall outlet. The unit will automatically detect the input voltage.

5.3 Battery Protection Setting

The unit features three battery protection levels (H - High, M - Medium, L - Low) to prevent your vehicle's battery from draining. To adjust this setting:

1. With the unit powered on, press the **SET** button (gear icon) repeatedly until the battery icon starts flashing.
2. Use the **+** or **-** buttons to select H, M, or L.
3. The setting will be saved automatically after a few seconds of inactivity.

Note: It is recommended to use the 'H' (High) setting when connected to a vehicle battery to prevent starting issues. 'M' (Medium) and 'L' (Low) settings are suitable for external power stations or when the engine is running.

6. OPERATING INSTRUCTIONS

6.1 Control Panel Overview

Easy Operation

Adjustable Temperature Range: $-4^{\circ}\text{F} \sim 68^{\circ}\text{F}$

It can precisely adjust and maintain the temperature within a set range, keeping food and beverages fresh during travel



Precise Temperature Control
*LED display *simple button

Figure 11: The intuitive control panel for easy operation.

The control panel features an LED display and several buttons for managing the refrigerator's functions:

- **Power Button:** Press to turn the unit ON/OFF.
- **SET Button (Gear Icon):** Press to cycle through settings (temperature unit, battery protection, ECO/MAX mode).
- **+ Button:** Increase temperature or navigate settings.
- **- Button:** Decrease temperature or navigate settings.
- **Zone Selection Button (L/R):** Press to select the left or right zone for temperature adjustment.
- **USB Port:** For charging external devices.

6.2 Temperature Adjustment

To set the desired temperature for each zone:

1. Press the **Zone Selection Button (L/R)** to choose the left or right compartment. The selected zone's temperature display will flash.
2. Use the **+** or **-** buttons to adjust the temperature.
3. The temperature will be set automatically after a few seconds of inactivity.

6.3 ECO and MAX Modes

The unit offers two performance modes:

- **ECO Mode (Energy Saving):** Ideal for maintaining temperature with minimal power consumption.
- **MAX Mode (Fast Cooling):** Provides maximum cooling power for rapid temperature reduction.

To switch between modes, press the **SET** button until "ECO" or "MAX" flashes, then use the **+** or **-** buttons to select your preferred mode.

6.4 Official Product Videos

For visual guidance on operating your Alpicool refrigerator, please refer to the official product videos below:

Alpicool NLS Series Dual Zones Car Fridge

Your browser does not support the video tag.

This video provides an overview of the dual-zone functionality and various features of the Alpicool NLS Series car fridge, demonstrating its versatility for different cooling needs.

NLS35 Product Overview

Your browser does not support the video tag.

This video offers a detailed product overview of the NLS35 model, showcasing its design, features, and practical applications.

7. MAINTENANCE

7.1 Cleaning

Regular cleaning helps maintain hygiene and efficiency:

- Always disconnect the power before cleaning.
- Wipe the interior and exterior surfaces with a damp cloth and mild detergent.
- Do not use abrasive cleaners or harsh chemicals.
- Ensure the unit is completely dry before reconnecting power.

- Clean the ventilation grilles regularly to prevent dust buildup, which can affect cooling performance.

7.2 Defrosting

While the Alpicool NLS35 features a frost-free defrost system, occasional manual defrosting may be necessary if a significant layer of ice builds up, especially in the freezer zone. To defrost:

1. Turn off the unit and disconnect it from the power source.
2. Remove all contents from the refrigerator.
3. Leave the lids open to allow ice to melt naturally. Do not use sharp objects to remove ice.
4. Once defrosted, wipe the interior dry with a clean cloth before restarting the unit.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; damaged power cord; blown fuse in vehicle.	Check power connections. Ensure power outlet is functional. Inspect power cords for damage. Check vehicle's fuse box.
Cooling performance is poor.	Blocked ventilation; excessive ambient temperature; lid not sealed properly; overfilled compartments.	Ensure vents are clear. Move unit to a cooler environment. Check lid seal and ensure it's closed tightly. Do not overfill.
Display shows an error code (e.g., F1, F2, F3).	Low voltage protection activated; fan error; compressor error.	Check battery protection setting and vehicle battery voltage. Ensure proper ventilation for the fan. If errors persist, contact customer support.
Excessive noise during operation.	Unit not level; fan obstruction; internal component issue.	Place unit on a level surface. Check for any obstructions in the fan area. If noise is unusual or persistent, contact support.

If the problem persists after attempting these solutions, please contact Alpicool customer support for further assistance.

9. SPECIFICATIONS

Feature	Detail
Brand	Alpicool
Model Info	NLS35
Capacity	25 Quarts (23.3 Liters)
Product Dimensions	14.8 x 24.33 x 14.65 inches (37.6 x 61.8 x 37.2 cm)
Item Weight	26.4 pounds (12 Kilograms)
Voltage	12 Volts / 24 Volts DC, 110~240 Volts AC

Feature	Detail
Temperature Range	-4°F to 68°F (-20°C to 20°C)
Power Consumption (ECO Mode)	45W
Power Consumption (MAX Mode)	60W
Noise Level	<45dB
Material Type	High Density Polyethylene (HDPE)
Defrost System	Frost Free
Number Of Doors	2 (Reversible)
Special Features	Energy Efficient, Portable, Lightweight, Large Capacity, Low Noise, Battery Protection, USB Port

10. WARRANTY AND SUPPORT

Alpicool products are designed for durability and performance. This product typically comes with a manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions, including warranty duration (e.g., up to 3 years for certain components or plans) and coverage details.

For technical support, troubleshooting assistance, or warranty claims, please contact Alpicool customer service through their official website or the contact information provided in your warranty documentation. Ensure you have your product model number (NLS35) and purchase details ready when contacting support.

Alpicool is committed to providing excellent after-sales service and support to ensure your satisfaction with their products.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question