

## Alpicool XD45

# Alpicool XD45 Portable Fridge User Manual

Model: **XD45** | Brand: **Alpicool**

## 1. INTRODUCTION

The Alpicool XD45 Portable Fridge is a versatile 34-quart car refrigerator and freezer designed for various applications including fishing, camping, RV trips, truck use, and boating. It offers fast cooling performance and operates on both 12V/24V DC power, making it ideal for mobile use. This manual provides essential information for the proper setup, operation, and maintenance of your Alpicool XD45 to ensure optimal performance and longevity.

## 2. PRODUCT FEATURES

- **Digital Panel with Dual Temperature Control:** Use as both a freezer and a fridge simultaneously.
- **34 Quart Capacity:** Capable of holding up to 44 cans of 330ml cola or 39 bottles of 500ml water.
- **Convenient Portability:** Features recessed handles for easy moving and transport.
- **Car Battery Protection:** Includes a temperature memory function and 3 levels (Low, Med, High) to protect your vehicle's battery from draining.
- **Wide Temperature Range:** Powerful chilling performance from -4°F (-20°C) to 68°F (20°C).
- **Durable Construction:** Reliable sealing property with thick and high-density foam insulation for sustained cooling.
- **Practical Door Lid:** Equipped with two cup holders on the lid to prevent spills.
- **Bottom Drain Plug:** Designed for easy cleaning of the refrigerator interior.



**Figure 2.1:** The Alpicool XD45 portable fridge with both lids open, revealing the dual compartments. The exterior is grey with light green accents on the lid and control panel.

## 34Quart Portable Car Fridge

**XD45**

- ✏️ EXTERNAL SIZE:  
23.74\*14.37\*17.40 inches
- 📐 ① INNER SIZE:  
10.28\*10.94\*13.39 inches
- 📐 ② INNER SIZE:  
6.77\*10.94\*6.65 inches
- ★ 330ml  
X 44 Cans
- 🍷 550ML  
X 39 Bottles
- 🍷 750ML  
X 12 Bottles

01

02

23.74\*inches

14.37\*inches

17.4\*inches

**Figure 2.2:** A diagram illustrating the external and internal dimensions of the Alpicool XD45 portable fridge, along with its capacity in terms of 330ml cans, 500ml bottles, and 750ml bottles.



**Figure 2.3:** A composite image showcasing various features of the Alpicool XD45: detachable door, cup holders on the lid, recessed handle, LED display panel, durable latch, and the bottom drain plug.



**Figure 2.4:** This image demonstrates the multifunctional refrigerator lid, highlighting the detachable two-way door and integrated cup holders. It shows the lid being opened in different directions for user convenience.

## KEEP FOOD FRESH ALL WAY

Adjustable temperature: -4°F~68°F, nothing gets wet or soggy





**50°F :**  
Fruit and vegetable



**32°F :** Drink



**1.4°F :**  
Ice Cream



**-4°F :**  
Meet

**ECO 45W**  
ENERGY SAVING

Far less than 1kwh per day

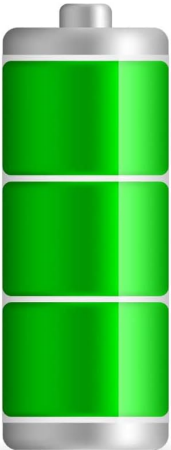
**MAX 60W**  
FAST COOLING

15 min from 77°F to 32°F

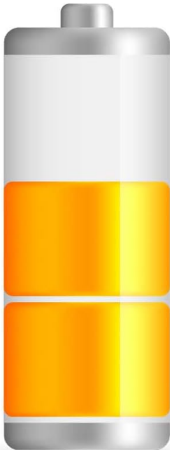
**Figure 2.5:** An image explaining the temperature range and power consumption of the Alpicool XD45. It illustrates the fridge containing various food items at different target temperatures and details the ECO (45W) and MAX (60W) power modes.

### 3 LEVEL BATTERY PROTECTION


**HIGH**



**MED**



**LOW**



CUT-OUT/IN 12V: 11,1V-12,4V	CUT-OUT/IN 12V: 10,1V-11,4V	CUT-OUT/IN 12V: 9,0V-10,9V
CUT-OUT/IN 24V: 24,3V-25,7V	CUT-OUT/IN 24V: 22,3V-23,7V	CUT-OUT/IN 24V: 21,3V-22,7V

**Figure 2.6:** A graphic illustrating the 3-level battery protection system (High, Med, Low) with corresponding cut-out/in voltages for both 12V and 24V systems, designed to prevent vehicle battery drain.

### Product Overview Video

Your browser does not support the video tag.

This video demonstrates the key features and usability of the Alpicool XD Series portable car refrigerator, including power connection, control panel operation, lid functionality (detachable and reversible), internal drain plug, and portability via

recessed handles.

### 3. SETUP

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1. **Unpacking:** Carefully remove the Alpicool XD45 from its packaging. Inspect for any shipping damage.
2. **Placement:** Place the unit on a flat, stable surface, ensuring adequate ventilation around the compressor vents. Avoid direct sunlight or heat sources.
3. **Power Connection:**
  - **DC Power (12V/24V):** Connect the DC power cord to the refrigerator's DC input port and then to your vehicle's 12V or 24V power outlet (cigarette lighter socket).
  - **AC Power (100-240V):** For home or stationary use, connect the AC power adapter to the refrigerator's AC input port and then to a standard wall outlet.
4. **Initial Cooling:** For optimal performance, it is recommended to pre-cool the refrigerator for at least 30 minutes before loading it with items.

### 4. OPERATING INSTRUCTIONS

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1. **Power On/Off:** Press the power button on the digital control panel to turn the unit on or off.
2. **Temperature Setting:**
  - Use the '+' and '-' buttons to adjust the desired temperature for each compartment. The digital display will show the current temperature.
  - The unit features dual temperature control, allowing different temperature settings for the left (L) and right (R) compartments.
3. **Battery Protection Mode:**
  - Press the 'Setting' button to cycle through the battery protection modes: High (H), Medium (M), and Low (L).
  - Select the appropriate mode based on your vehicle's battery condition to prevent excessive discharge. High mode offers the most protection.
4. **Lid Operation:** The lids are designed to be detachable and reversible. To change the opening direction, simply detach the lid and reattach it to open from the opposite side.
5. **ECO/MAX Mode:** The unit may feature an ECO mode for energy saving and a MAX mode for faster cooling. Refer to the control panel for specific button functions to switch between these modes.

### 5. MAINTENANCE

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### 1. **Cleaning the Interior:**

- Unplug the unit before cleaning.
- Use a soft cloth dampened with mild detergent and warm water to wipe down the interior surfaces.
- Utilize the bottom drain plug to easily drain any water or spills for thorough cleaning.
- Dry thoroughly before closing the lids or reconnecting power.

2. **Cleaning the Exterior:** Wipe the exterior with a soft, damp cloth. Avoid abrasive cleaners or solvents.

3. **Ventilation:** Regularly check that the air vents on the sides of the unit are clear of dust and debris to ensure proper airflow and cooling efficiency.

4. **Storage:** When not in use for extended periods, ensure the unit is clean and dry. Store it in a cool, dry place with the lids slightly ajar to prevent odors and mold growth.

## 6. TROUBLESHOOTING

If you encounter issues with your Alpicool XD45, please refer to the following common troubleshooting tips:

### • **Unit Not Powering On:**

- Check if the power cord is securely connected to both the unit and the power source.
- Verify that the power outlet is functioning correctly.
- Ensure your vehicle's battery has sufficient charge if using DC power.

### • **Insufficient Cooling:**

- Confirm that the temperature setting is appropriate for the desired cooling level.
- Check for obstructions around the ventilation grilles.
- Ensure the lid is properly sealed.
- Avoid overloading the unit, which can hinder cooling performance.

- **Unusual Noise:** A slight humming sound from the compressor is normal. If you hear loud or unusual noises, ensure the unit is on a stable surface and not vibrating against other objects.

For persistent issues not resolved by these steps, please contact Alpicool customer support.

## 7. SPECIFICATIONS

Specification	Value
Brand Name	Alpicool
Model Info	XD45
Item Weight	31.7 pounds
Product Dimensions	14.38 x 23.93 x 17.38 inches

Specification	Value
Capacity	34 Quarts
Installation Type	Freestanding
Form Factor	Portable
Defrost	Automatic
Power Input	12V/24V DC, 100-240V AC
Temperature Range	-4°F (-20°C) to 68°F (20°C)

## 8. WARRANTY AND SUPPORT

Alpicool products are manufactured to high-quality standards and are backed by a manufacturer's warranty. For specific warranty details, including coverage period and terms, please refer to the warranty card included with your product or visit the official Alpicool website.

If you require technical assistance, have questions about your product, or need to initiate a warranty claim, please contact Alpicool customer support through their official channels. Be prepared to provide your product model number (XD45) and proof of purchase.