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› Alpicool 12V Refrigerator Freezer, Portable Refrigerator for Car with Dual Zone 26QT. Car Refrigerator Portable Freezer -4°F-68°F RV Refrigerator Electric Cooler for Car Freezer Truck Outdoor Camping User Manual

Alpicool QX20

Alpicool 12V Portable Refrigerator Freezer User Manual

Brand: Alpicool | Model: QX20

INTRODUCTION

The Alpicool QX20 Portable Refrigerator Freezer is designed to provide reliable cooling and freezing for your outdoor adventures, road trips, and camping needs. With its dual-zone capability and efficient compressor, it ensures your food and beverages remain fresh and at optimal temperatures without the need for ice.



Image: The Alpicool QX20 Portable Refrigerator with its lid open, showcasing its spacious interior filled with beverages and fresh fruit.

WHAT'S IN THE BOX

Upon unboxing your Alpicool QX20, please ensure all the following components are present:

- 26 Quarts Portable Refrigerator QX20
- User Manual
- 12V / 24V DC Power Cord
- 110V~240V AC Adapter and Power Cord

SETUP AND POWER SUPPLY

Powering the Unit:

- **DC Power (12V/24V):** Connect the provided DC power cord to the refrigerator's DC input port and then to your vehicle's 12V or 24V cigarette lighter socket. This is ideal for use in cars, RVs, and trucks.
- **AC Power (110V/240V):** For home or standard outlet use, connect the AC adapter to the refrigerator's DC input port, and then plug the AC power cord into a standard wall outlet.

DC / AC POWER SUPPLY



DC 12V Car
Cigarette lighter



DC 24V RV
Cigarette lighter



AC 110V / 240V
Home Outlet

Image: Illustration of the various power supply options for the Alpicool QX20, including DC 12V/24V for vehicles and AC 110V/240V for home use.

Placement and Stability:

For optimal performance and safety, ensure the refrigerator is placed on a stable, flat surface. The anti-shake design allows it to operate reliably even on inclines up to 45 degrees, making it suitable for various terrains.



Image: The Alpicool QX20 positioned in a vehicle on an inclined surface, highlighting its anti-tilt design for stable operation.

Utilize the integrated tie-down slots to secure the refrigerator to seats or the trunk using straps, especially when traveling on bumpy roads.

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.

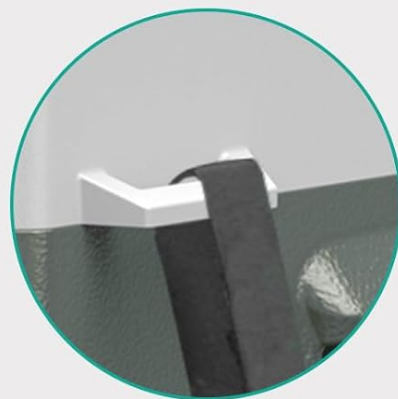


Image: Close-up view of the Alpicool QX20's safety tie-down slots, designed for securing the unit during travel.

OPERATING INSTRUCTIONS

Control Panel:

The Alpicool QX20 features an intuitive LED intelligent display control panel for easy temperature management and mode selection.

BATTERY PROTECTION

Reduce battery loss of your car



HIGH



MEDIUM



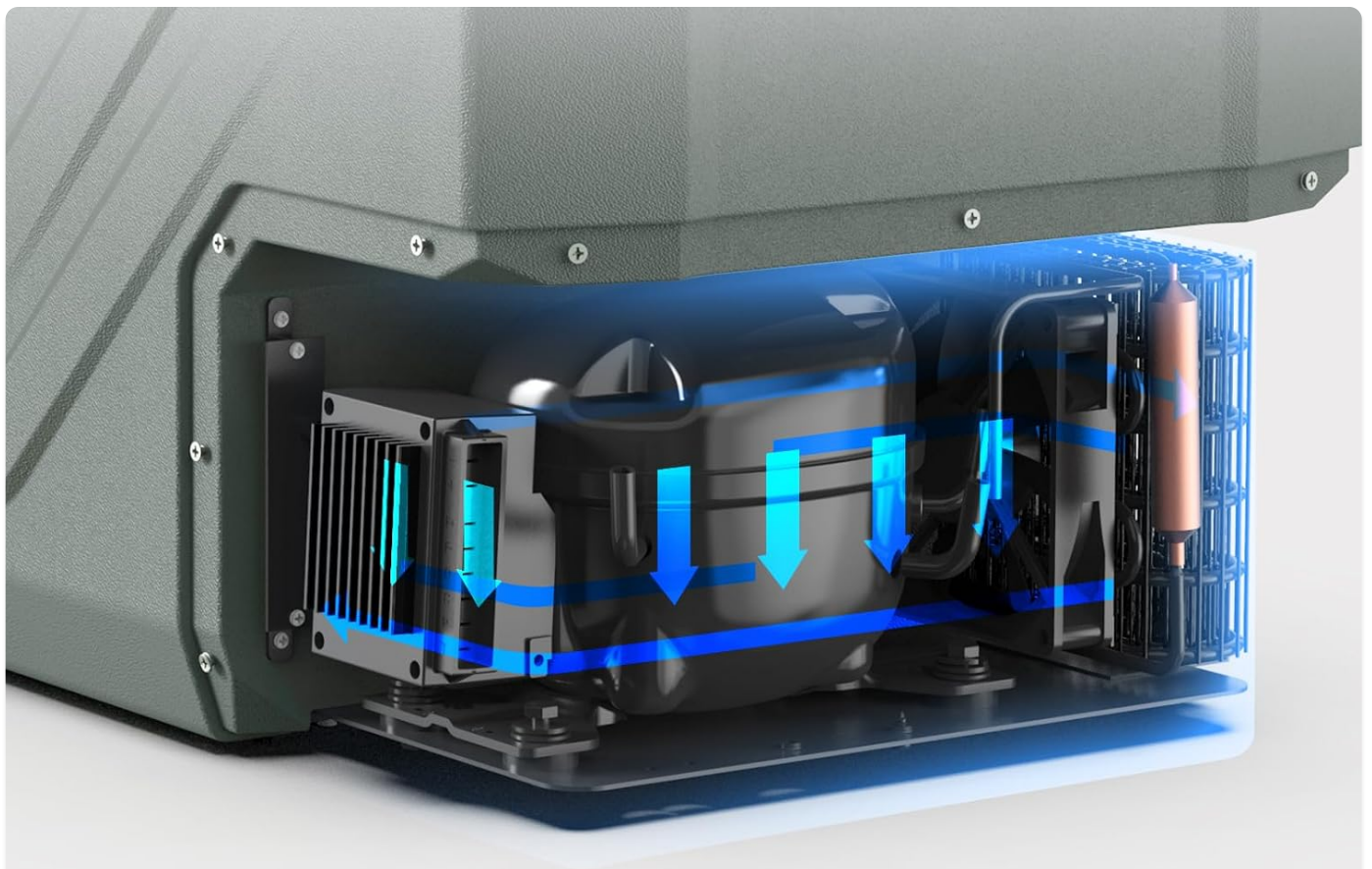
LOW



Image: The control panel of the Alpicool QX20, displaying battery protection levels and temperature settings.

Temperature Control and Modes:

- The unit can function as both a refrigerator and a freezer, with a temperature range from -4°F (-20°C) to 68°F (20°C).
- Use the '+' and '-' buttons on the control panel to adjust the desired temperature for each zone.
- Select between two operating modes:
 - **ECO Mode (45W):** For energy saving, ideal for maintaining temperature once cooled.
 - **MAX Mode (60W):** For rapid cooling, quickly reaching desired low temperatures.



POWERFUL & EFFICIENCY FOR FAST COOLING

ECO Mode 

45W Energy Saving

MAX Mode 

60W Fast Cooling

Image: Diagram illustrating the powerful compressor of the Alpicool QX20 and its two operational modes: ECO for energy saving and MAX for fast cooling.

Dual Zone Functionality:

The Alpicool QX20 features a dual-zone design, allowing you to customize temperatures for different types of items. The larger compartment can be set as a fridge or freezer, while the smaller compartment's temperature is always above 32°F (0°C).

DUAL ZONE REFRIGERATOR

Fridge or Freezer, Customized Temperature



Beverages  40°F~50°F	Fruits  41°F~46°F
Vegetables  41°F~46°F	Beef  0°F~4°F
Seafood  0°F~4°F	Ice Cream  0°F~14°F

* The temperature of the small compartment is always above 32°F

Image: A diagram showing the dual-zone functionality of the Alpicool QX20, with recommended temperature ranges for various food items like beverages, fruits, vegetables, beef, seafood, and ice cream.

Interior Lighting:

An interior LED light illuminates the contents, making it easy to find items even in low-light conditions.

INTERIOR LED LIGHT



Image: The interior LED light of the Alpicool QX20, providing illumination for easy visibility of contents.

CAPACITY

The 26-quart (24-liter) capacity of the Alpicool QX20 is designed to accommodate a significant amount of items for your trips. It can hold approximately 32 cans of 12fl oz cola or 28 bottles of 16.9fl oz water.

26 QUART LARGE CAPACITY

Keep the food fresh all way long



 **x32**
12FL OZ (355ml)

 **x28**
16.9FL OZ (500ml)

Image: A visual representation of the Alpicool QX20's 26-quart capacity, showing how many cans and bottles it can store.

BATTERY PROTECTION

To safeguard your vehicle's battery, the Alpicool QX20 incorporates a three-level battery voltage protection system (H/M/L). This system automatically shuts off the refrigerator if your car's battery voltage drops too low, preventing complete discharge and ensuring your vehicle can start.

BATTERY PROTECTION

3 Levels of battery voltage protection, to protect your car battery from running out



HEGH



MEDIUM



LOW



Image: Diagram illustrating the three levels of battery voltage protection (High, Medium, Low) to prevent your car battery from draining.

SPECIFICATIONS

Feature	Detail
Brand Name	Alpicool
Model Info	QX20
Item Weight	26.2 pounds (11.88 kg)
Product Dimensions	25.5 x 14.6 x 14.5 inches (64.77 x 37.08 x 36.83 cm)
Capacity	26 Quarts (24 Liters)
Temperature Range	-4°F to 68°F (-20°C to 20°C)
Voltage	12 Volts (DC) / 110-240V (AC)
Special Features	Energy Efficient, Portable, Lightweight, Anti-Shake, Low Noise
Material Type	High Density Polyethylene (HDPE)
Defrost System	Frost Free

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Alpicool QX20.

- **Cleaning:** Regularly wipe the interior and exterior with a damp cloth and mild detergent. Ensure the unit is unplugged before cleaning.
- **Draining:** If using as a cooler with ice (though not required), or if condensation builds up, utilize the drain plug located inside the unit for easy water removal.
- **Ventilation:** Ensure the compressor's ventilation areas are clear of obstructions to allow for proper airflow and efficient cooling.
- **Storage:** When not in use for extended periods, ensure the unit is clean, dry, and stored in a well-ventilated area with the lid slightly ajar to prevent odors.

TROUBLESHOOTING

Here are some common issues and their potential solutions:

- **Unit Not Turning On:**
 - Check power connections (DC or AC) to ensure they are secure.
 - Verify the power source is active (vehicle ignition on for DC, wall outlet working for AC).
 - Check the battery voltage protection level; if too low, the unit may not power on to protect your vehicle's battery.
- **Insufficient Cooling:**
 - Ensure the temperature settings are correctly adjusted for the desired cooling/freezing.
 - Check for proper ventilation around the compressor area; clear any obstructions.
 - Verify the lid is securely closed to prevent cold air loss.
 - Consider switching to MAX mode for faster cooling if the ambient temperature is high.
- **Unusual Noise:**
 - A low humming sound from the compressor is normal.
 - Ensure the unit is on a stable surface and not vibrating against other objects.

WARRANTY AND SUPPORT

Alpicool stands behind the quality of its products:

- **Compressor Warranty:** 3-year warranty.
- **Other Accessories Warranty:** 1-year warranty.

For any further questions or after-sale service, please feel free to contact Alpicool's professional support team. They are dedicated to helping you solve any issues you may encounter.



Image: Alpicool's commitment to customer satisfaction, highlighting 24/7 service, warranty, and return policy.

OFFICIAL PRODUCT VIDEOS

QX20 for Outdoor Camping

Your browser does not support the video tag.

Video: An official video from ALPICOOL DIRECT showcasing the QX20 portable refrigerator in various outdoor camping scenarios, demonstrating its features and portability.

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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.

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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