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› Alpicool Y16T Portable Fridge User Manual

Alpicool Y16T

Alpicool Y16T Portable Fridge User Manual

MODEL: Y16T

Your guide to operating and maintaining your Alpicool Portable Fridge.

Introduction

Thank you for choosing the Alpicool Y16T Portable Fridge. This versatile 16-quart car refrigerator and freezer is designed to keep your food and drinks perfectly chilled or frozen, whether you're fishing, camping, traveling in your RV, or on a long truck journey. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new portable fridge.



Image: The Alpicool Y16T Portable Fridge with its lid open, revealing the spacious interior. The unit is light grey with light green accents on the lid and handles.

Setup

1. Unpacking and Inspection

Carefully remove the portable fridge from its packaging. Inspect the unit for any signs of damage during transit. Ensure all components, including the DC power cord, are present. It is recommended to let the unit stand upright for at least 6 hours before initial use if it was transported horizontally.

2. Power Connection

The Alpicool Y16T supports multiple power inputs for maximum versatility:

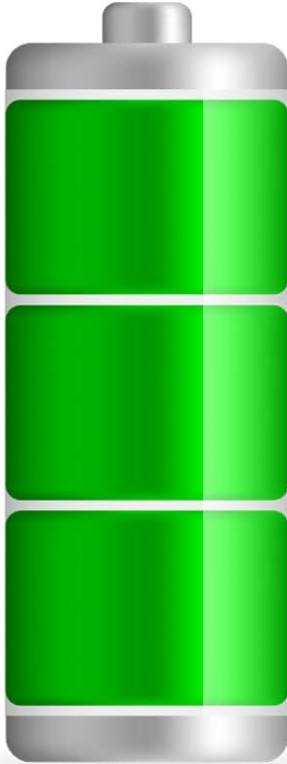
- **DC 12V/24V:** Connect the provided DC power cord to the fridge's DC input port and then to your vehicle's 12V or 24V cigarette lighter socket. This is ideal for use in cars, trucks, RVs, and boats.
- **AC 100-240V:** For home or standard outlet use, connect the AC adapter (not always included, check your package contents) to the DC input port, and then plug the AC cord into a standard wall outlet.
- **Portable Power Station/Solar Panel:** The unit can also be powered by a compatible portable power station or solar

panel setup, offering off-grid cooling solutions.

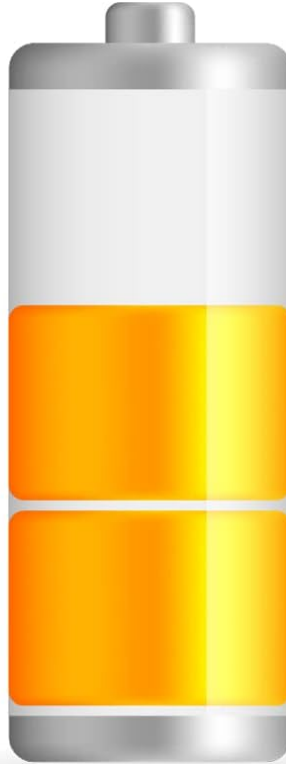


3 LEVEL BATTERY PROTECTION

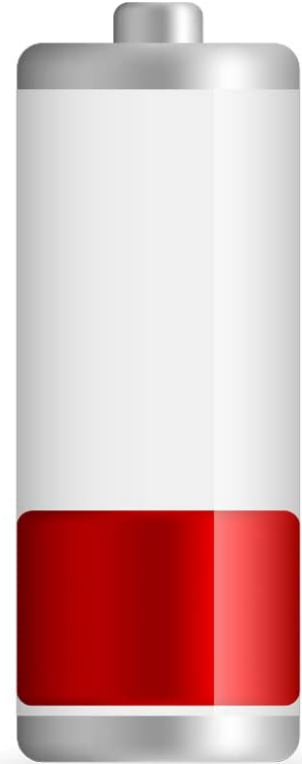
H3



H2



H1



CUT-OUT/IN 12V: 11.1V-12.4V
CUT-OUT/IN 24V: 24.3V-25.7V

CUT-OUT/IN 12V: 10.1V-11.4V
CUT-OUT/IN 24V: 22.3V-23.7V

CUT-OUT/IN 12V: 8.5V-10.9V
CUT-OUT/IN 24V: 21.3V-22.7V

Image: A diagram illustrating the various power supply options for the Alpicool portable fridge, including 12V/24V DC for vehicles, 100-240V AC for home use, and compatibility with power stations and solar panels.

3. Battery Protection Settings

To prevent draining your vehicle's battery, the Alpicool Y16T features a 3-level battery protection system. You can adjust this setting based on your needs:

- **H1 (Low):** Lowest cut-off voltage, allows the fridge to run longer but risks draining the battery more.
- **H2 (Med):** Medium cut-off voltage, a balanced setting for most uses.
- **H3 (High):** Highest cut-off voltage, provides maximum battery protection, cutting off power sooner.

To change the setting, press the 'SET' button on the control panel until the battery icon flashes, then use the 'Up' or 'Down' arrows to select H1, H2, or H3. The unit will automatically save the setting after a few seconds.

MULTIPLE POWER SUPPLY MODE

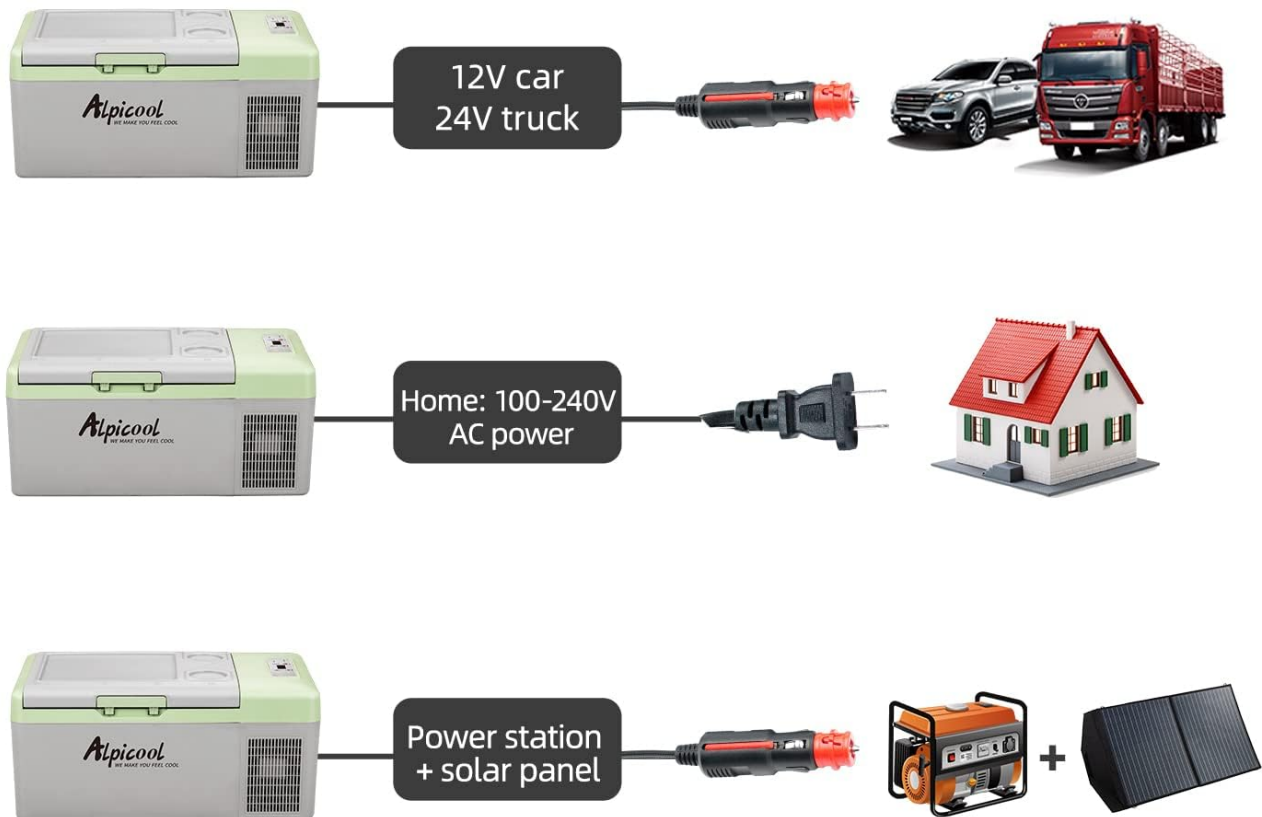


Image: A visual representation of the three battery protection levels (H1, H2, H3) with corresponding cut-out and cut-in voltages for both 12V and 24V DC systems.

4. Initial Use

After connecting power, press the 'ON/OFF' button to turn on the unit. The display will show the current internal temperature. You can then adjust the temperature and cooling mode as described in the Operating section.

Your browser does not support the video tag.

Video: An official product video demonstrating the setup and initial operation of the Alpicool Y16T Portable Car Fridge Freezer, including connecting power, adjusting settings, and loading items.

Operating Instructions

1. Control Panel Overview

The control panel is located on the top of the unit and features a digital display and several buttons:

- **ON/OFF Button:** Powers the unit on or off.
- **SET Button:** Used to enter temperature setting mode or battery protection setting mode.
- **Up Arrow:** Increases the temperature setting or navigates menu options.
- **Down Arrow:** Decreases the temperature setting or navigates menu options.
- **Power Indicator:** Lights up when the unit is powered on.
- **Eco/Max Indicator:** Shows the currently selected cooling mode.

2. Temperature Adjustment

To set the desired temperature:

1. Press the 'SET' button once. The temperature display will flash.
2. Use the 'Up' or 'Down' arrows to adjust the temperature to your desired level. The temperature range is typically -4°F (-20°C) to 68°F (20°C).
3. The setting will automatically save after a few seconds of inactivity, and the display will return to showing the current internal temperature.

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:
Meat

ECO **45**W
ENERGY SAVING

Far less than 1kwh per day \approx 

MAX **60**W
FAST COOLING


15 min from 77°F to 32°F

Image: A graphic illustrating recommended temperature settings for various items, such as 50°F for fruits and vegetables, 32°F for drinks, 1.4°F for ice cream, and -4°F for meat, highlighting the unit's versatility as both a fridge and freezer.

3. Cooling Modes (MAX/ECO)

The Alpicool Y16T offers two cooling modes:

- **MAX Mode:** Provides rapid cooling, ideal for quickly reaching the desired temperature or when ambient temperatures are high. This mode consumes more power.
- **ECO Mode:** Energy-saving mode, suitable for maintaining temperature once it has been reached. This mode

consumes less power and is recommended for extended use to conserve battery life.

To switch between MAX and ECO modes, press the 'SET' button repeatedly until the Eco/Max indicator changes to your desired mode.

4. Capacity and Features

The 16-quart capacity can hold approximately 10 bottles of 18oz water or 20 cans of 12oz cola. The unit features a functional top lid with a carved ruler for measurement and two cup holders to prevent spills. It also has built-in handles for easy transport and a removable door for convenient cleaning.

16 QUART CAPACITY

Meet Daily Life

The graphic illustrates the Alpicool Y16T Portable Fridge's capacity and dimensions. The external dimensions are L 23.5 inches, W 12.6 inches, and H 10.2 inches. The internal dimensions are 7.7 inches height, 9.7 inches width, and 13.8 inches depth. The capacity is shown as 20 x 330ml cans, 10 x 550ml bottles, or 6 x 750ml bottles.

Container Type	Volume	Quantity
Can	330ml	x20
Bottle	550ml	x10
Bottle	750ml	x6

Image: A graphic detailing the 16-quart capacity of the Alpicool Y16T Portable Fridge, showing its external dimensions (L 23.5 inches, W 12.6 inches, H 10.2 inches) and illustrating how many 330ml cans, 550ml bottles, or 750ml bottles it can hold.



Removable Door



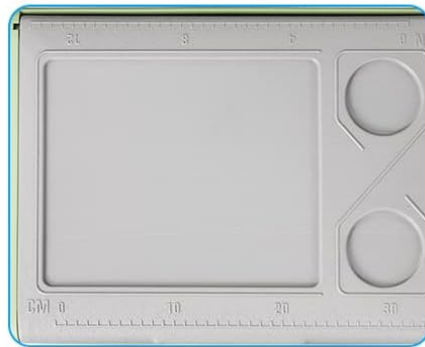
Door Latch



Storage Room



Built-In Handle



Functional Top



DC 12V/24V Input

Image: A collage of close-up images highlighting key features of the Alpicool Y16T, including its removable door, secure door latch, spacious storage room, ergonomic built-in handle, multi-functional top with ruler and cup holders, and the DC 12V/24V power input port.

Maintenance

1. Cleaning

Regular cleaning helps maintain the efficiency and longevity of your portable fridge:

- **Interior:** Clean the interior with a soft cloth dampened with mild detergent and warm water. Rinse thoroughly and wipe dry. Do not use abrasive cleaners or harsh chemicals.
- **Exterior:** Wipe the exterior with a soft, damp cloth.
- **Condenser:** Periodically clean the condenser fins (located on the side with vents) with a soft brush or vacuum cleaner to remove dust and debris. This ensures proper airflow and cooling efficiency.
- **Removable Door:** The door can be removed for easier cleaning of the interior and the door seal.

2. Defrosting

If ice builds up inside the freezer compartment, it can reduce cooling efficiency. To defrost:

1. Turn off the unit and disconnect the power.
2. Remove all contents.
3. Leave the lid open to allow the ice to melt naturally. You can place a towel inside to absorb water.
4. Once defrosted, wipe the interior dry before restarting the unit.

3. Storage

When storing the unit for an extended period:

- Ensure the unit is clean and dry.
- Leave the lid slightly ajar to prevent odors and mold growth.
- Store in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.

Troubleshooting

If you encounter issues with your Alpicool Y16T, please refer to the following common problems and solutions before contacting support:

Problem	Possible Cause	Solution
Unit does not turn on.	No power, loose connection, blown fuse in DC plug, vehicle battery low.	Check power source and connections. Ensure vehicle ignition is on if using DC. Check fuse in DC plug. Adjust battery protection setting (H1, H2, H3).
Temperature not cold enough.	Lid not closed properly, poor ventilation, excessive contents, ambient temperature too high, ECO mode selected.	Ensure lid is securely closed. Clear vents for proper airflow. Do not overfill. Switch to MAX mode for faster cooling. Allow sufficient time to reach target temperature.
Display shows error code.	Specific internal issue (e.g., sensor fault, compressor issue).	Refer to the full user manual for specific error code meanings. Disconnect power for 10 minutes and restart. If error persists, contact customer support.
Excessive noise.	Unit not level, fan obstruction, normal compressor operation.	Ensure the unit is on a flat, stable surface. Check for any obstructions around the fan. A slight hum from the compressor is normal.

For issues not listed here or if solutions do not resolve the problem, please contact Alpicool customer support.

Specifications

Feature	Detail
Brand	Alpicool
Model	Y16T
Capacity	16 Quart (15 Liters)
Item Weight	14.8 Pounds
Product Dimensions	12.63"D x 23.54"W x 10.25"H
Voltage	DC 12V/24V (AC 100-240V with adapter)
Temperature Range	-4°F (-20°C) to 68°F (20°C)
Cooling Modes	MAX (Fast Cooling), ECO (Energy Saving)
Battery Protection	3-level (H1, H2, H3)
Defrost System	Automatic
Included Components	DC cord
Material Type	Plastic

Warranty and Support

For warranty information and customer support, please refer to the warranty card included with your product or visit the official Alpicool website. Keep your purchase receipt as proof of purchase for any warranty claims.

Contact Information: Please refer to the contact details provided in your product packaging or on the official Alpicool website for technical support and service inquiries.