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Alpicool LGT60

Alpicool LGT60 Portable Car Fridge Freezer Instruction Manual

Model: LGT60 | Brand: Alpicool

1. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before using this appliance to prevent injury or damage.

- Ensure the power supply voltage matches the appliance's requirements (12V/24V DC or 110-240V AC).
- Do not operate the appliance if the power cord is damaged or if the appliance is malfunctioning. Contact qualified service personnel for repairs.
- Keep the appliance away from heat sources and direct sunlight to ensure optimal performance and prevent overheating.
- Ensure proper ventilation around the compressor area. Do not block the ventilation openings.
- Do not place flammable or explosive substances inside the appliance.
- Avoid tilting the appliance more than 45 degrees during operation to prevent damage to the compressor.
- Unplug the appliance from the power source before cleaning or performing any maintenance.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

2. PRODUCT OVERVIEW

The Alpicool LGT60 is a versatile portable refrigerator and freezer designed for various applications, including trucks, RVs, boats, camping, and travel. It features dual temperature control and a robust design for reliable performance on the go.

Key Features

- **LCD Display Panel:** Provides clear temperature readings and operational status.

- **Built-in LED Light:** Illuminates the interior for easy visibility in low light conditions.
- **Internal Basket:** Helps organize contents and allows for easy removal of items.
- **Detachable Sensor Divider:** Enables switching between single and dual temperature zones.
- **Foldable Handles and Wheels:** Facilitate easy portability and movement.
- **Multiple Power Options:** Operates on 12V/24V DC and 110-240V AC.
- **3-Stage Car Battery Protection System:** Prevents vehicle battery drain.
- **Vibration Resistant Design:** Ensures device safety during travel.
- **Digital Control Panel:** For precise electronic temperature control.
- **LG Compressor:** Delivers efficient cooling performance with ECO and HH (Max) modes.

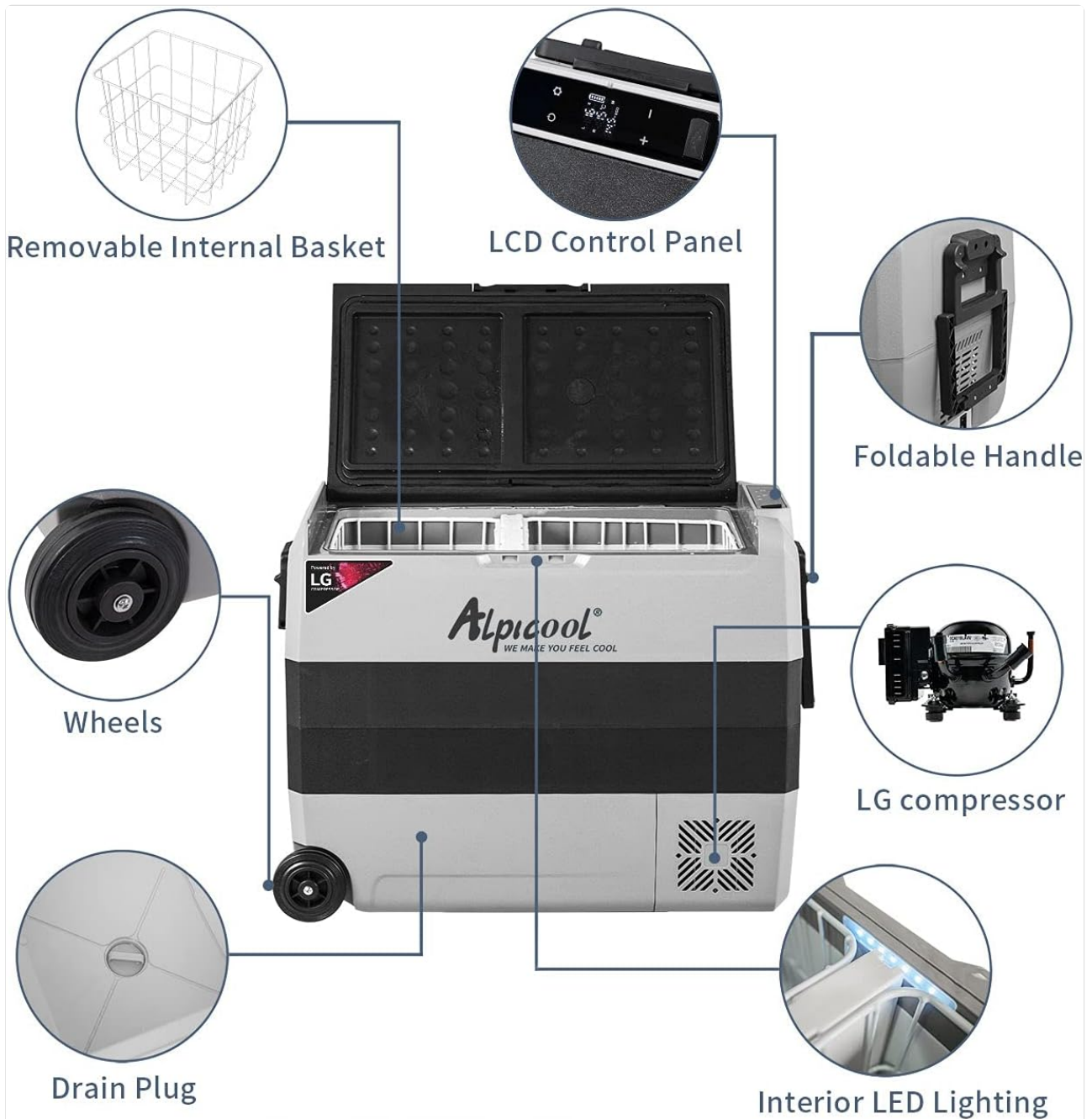
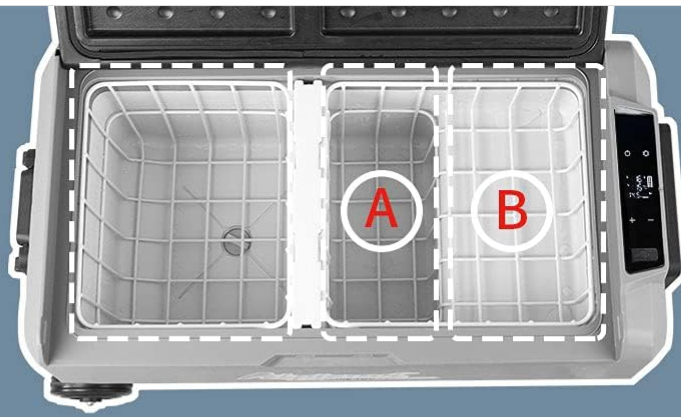


Figure 2.1: Alpicool LGT60 Key Features Diagram. This image highlights the main components and design elements of the portable fridge freezer, including its internal basket, control panel, handles, wheels, drain plug, LG compressor, and LED lighting.



Freezer Room

A:5.3*10.5*18.3 inches

B:6.1*10.5*11.7 inches

Fridge Room

9.1*10.5*18.3 inches

63 Quart Capacity



78 CANS*

12oz Cola



45 PACK*

18oz Water



22 BOTTLES*

25oz Red Wine

21.6 inches



28.5 inches

14.2 inches

Figure 2.2: Alpicool LGT60 Dimensions and Capacity. This image illustrates the external measurements of the unit and provides examples of its internal capacity for various beverage sizes.

3. SETUP

Initial Setup

1. Unpack the Alpicool LGT60 and remove all packaging materials.
2. Place the unit on a flat, stable surface, ensuring adequate ventilation around all sides, especially near the compressor vent.
3. Allow the unit to stand upright for at least 6 hours before plugging it in. This allows the refrigerant to settle.
4. Clean the interior of the unit with a damp cloth and mild detergent before first use.

Power Connection

The Alpicool LGT60 can be powered by both DC and AC sources:

- **DC Power (12V/24V):** Use the provided DC power cord to connect the unit to your vehicle's 12V or 24V

power outlet (e.g., cigarette lighter socket). The unit features a 3-stage battery protection system to prevent excessive discharge of your vehicle's battery.

- **AC Power (110-240V):** Use the provided AC adapter to connect the unit to a standard household power outlet.

Ensure the power cord is securely connected to both the unit and the power source.

4. OPERATING INSTRUCTIONS

Control Panel Operation

The digital control panel allows for easy temperature adjustment and mode selection:

- **Power Button:** Press to turn the unit ON/OFF.
- **Temperature Adjustment:** Use the '+' and '-' buttons to set the desired temperature for each zone. The temperature range is -4°F to 50°F (-20°C to +10°C).
- **Mode Selection:**
 - **HH (Max) Mode:** Provides rapid cooling for quick temperature reduction.
 - **ECO Mode:** Optimizes energy consumption for extended battery life.
- **Battery Indicator:** Displays the current battery level of the connected power source.
- **USB-A Port:** Located on the control panel, this port provides power output for charging small electronic devices.



Multi Applications Can Be a fridge AND a Freezer






				
Ice cream	Beef	Fruit	Skin care	Beer
-4°F	0°F	32°F	42°F	50°F

Figure 4.1: Multi-Application Use. The Alpicool LGT60 can function as both a refrigerator and a freezer, accommodating various items at their optimal temperatures.

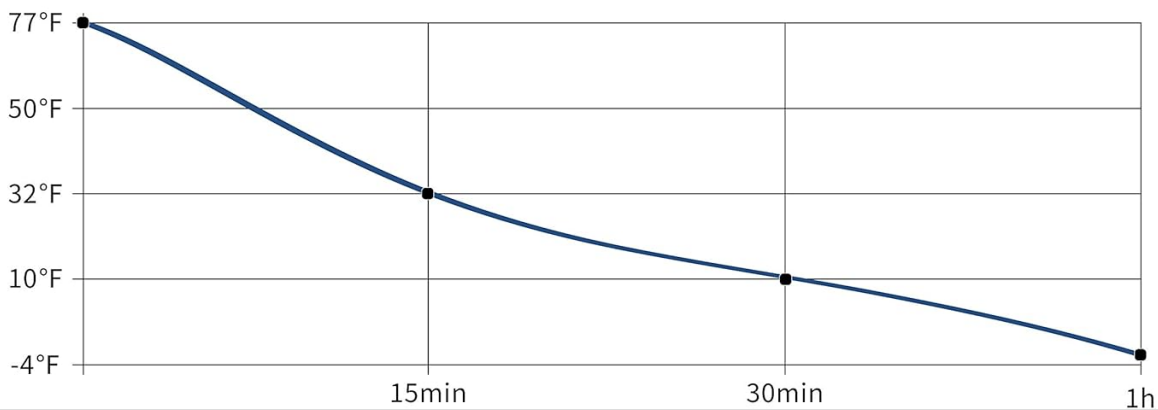


Figure 4.2: Freezing Performance. This graph illustrates the rapid cooling capability of the Alpicool LGT60, reaching freezing temperatures quickly.

Dual-Zone Functionality

The LGT60 features a detachable sensor divider, allowing you to configure the unit for either single or dual temperature zones. When the divider is in place, each compartment can be set to a different temperature, functioning as a fridge and a freezer simultaneously. The control panel clearly indicates which temperature setting corresponds to which zone (e.g., square icon for the larger compartment, L-shaped icon for the smaller compartment near the compressor).

Internal Storage

The unit includes two complete removable wire baskets, one for each compartment. These baskets allow for easy organization and retrieval of items, preventing smaller items from getting lost at the bottom of the cooler. The larger compartment also features a drain plug at the bottom for easy cleaning.

5. MAINTENANCE

- **Cleaning:** Regularly clean the interior and exterior of the unit with a damp cloth and mild detergent. Do not use abrasive cleaners or solvents. Ensure the unit is unplugged before cleaning.
- **Defrosting:** If ice builds up inside, turn off the unit and allow the ice to melt naturally. Use the drain plug in the larger compartment to remove melted water.
- **Ventilation:** Keep the ventilation grilles clear of dust and debris to ensure efficient operation of the compressor.
- **Storage:** When not in use for extended periods, ensure the unit is clean and dry. Store it in a cool, dry place with the lid slightly ajar to prevent odors and mold growth.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit not turning on	No power supply; damaged power cord; blown fuse.	Check power connection; inspect power cord; replace fuse if necessary.
Insufficient cooling	Blocked ventilation; excessive ambient temperature; overfilled unit; lid not sealed properly.	Clear vents; move to cooler environment; do not overfill; ensure lid is tightly closed.
Excessive noise	Unit not level; fan obstruction; compressor issue.	Place on a level surface; check for obstructions in fan; contact support if compressor noise persists.
Error code on display	Specific internal malfunction.	Refer to the full instruction book for specific error code meanings and solutions, or contact customer support.

For more detailed troubleshooting, please refer to the complete instruction book included with your Alpicool LGT60.

7. SPECIFICATIONS

Feature	Detail
Model	LGT60
Capacity	63 Quarts (60 Liters)
Exterior Dimensions (L x W x H)	28.5" x 14.2" x 21.6" (72.4 cm x 36.1 cm x 54.9 cm)
Net Weight	37.5 Lbs (17 kg)
Voltage	12V/24V DC, 110-240V AC

Feature	Detail
Rated Power	45W
Temperature Control Range	-4°F to 50°F (-20°C to +10°C)
Noise Level	≤45dB
Compressor Type	LG Compressor
Included Components	Refrigerator unit, DC power cord, AC adapter, Instruction book, Divider

8. WARRANTY AND SUPPORT

Alpicool products are designed for durability and performance. This product comes with a standard manufacturer's warranty covering defects in materials and workmanship under normal use. Please refer to the warranty card included in your package for specific terms, conditions, and duration.

For technical support, warranty claims, or any questions regarding your Alpicool LGT60, please contact Alpicool customer service through the contact information provided in your product documentation or visit the official Alpicool website.

Keep your purchase receipt and product serial number handy when contacting support for faster service.