



Manuals.plus /

› TecnoLove /

› TecnoLove 45L Car Refrigerator Freezer (Model: CR451DADUS) Instruction Manual

TecnoLove CR451DADUS

TecnoLove 45L Car Refrigerator Freezer (Model: CR451DADUS) Instruction Manual

Brand: TecnoLove | Model: CR451DADUS

1. INTRODUCTION

Thank you for choosing the TecnoLove 45L Car Refrigerator Freezer. This portable compressor cooler is designed to provide efficient cooling and freezing for various outdoor and travel needs. Please read this manual thoroughly before operation to ensure proper use and maintenance of your device.

2. SAFETY INSTRUCTIONS

- Ensure the power supply voltage matches the specifications of the appliance.
- Do not operate the refrigerator if the power cord is damaged. Contact customer support for replacement.
- Keep the refrigerator away from heat sources and direct sunlight to maintain efficiency.
- Ensure proper ventilation around the unit. Do not block air vents.
- Avoid placing the refrigerator on unstable surfaces or at angles exceeding 45° for prolonged periods.
- Do not immerse the unit in water or expose it to heavy rain.
- Unplug the unit before cleaning or performing maintenance.
- Keep out of reach of children.

3. PRODUCT FEATURES

3.1. Ultra-Fast & Efficient Cooling

Equipped with a premium compressor and 360° direct cooling technology, this unit can drop temperatures from 68°F to 32°F in approximately 15 minutes, and to -4°F in about 50 minutes. The 45mm thick foam insulation helps maintain internal temperatures efficiently, reducing the need for ice.

OUTSTANDING QUICK COOLING TECHNOLOGY

The high-performance compressor can reach **32°F within 20 minutes** even at an ambient temperature of 90°F.



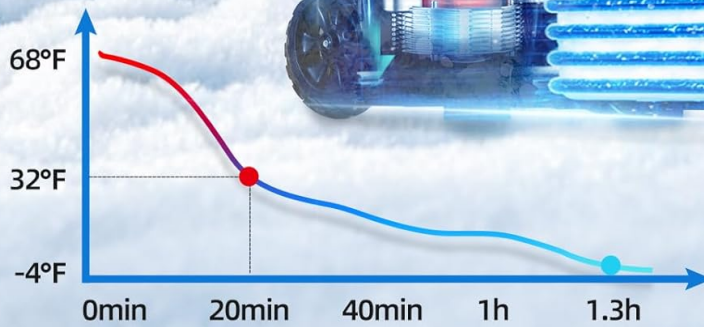
Fast Cooling



Low Consumption



45dB
Whisper-quiet



From 68°F to 32°F in 20 minutes and 68°F to -4°F in 130 minutes

Image: A graph illustrating the rapid cooling performance of the refrigerator, showing a temperature decrease from 68°F to 32°F in 20 minutes and to -4°F in 130 minutes. This highlights the efficiency of the compressor and insulation.

3.2. Spacious Single-Zone Design

The 45L (48QT) single-zone interior is designed to maximize storage, capable of holding approximately 46 standard cans. It includes a deep basket for organized storage. The temperature range is adjustable from -4°F to 68°F, suitable for various items including food, drinks, seafood, skincare products, or breast milk. The lid features a built-in measuring scale (0-20 inches / 0-50 cm) for convenience during fishing or camping activities.

48QT LARGE CAPACITY



Image: An internal view of the 45L portable refrigerator, illustrating its large capacity. The image shows various beverages and bottles stored inside, along with internal dimensions, demonstrating its ability to hold up to 56 cans, 28 water bottles, or 16 wine bottles.

3.3. Built Tough for All Terrains

Constructed with durable housing, the unit can support up to 250 lbs, allowing it to double as a temporary seat. The magnetic door is reversible, offering flexibility in placement. Heavy-duty wheels and a telescopic handle ensure easy portability across various terrains. A convenient drain plug simplifies cleanup after use.



Image: The TecnoLove car refrigerator is shown in an outdoor, rugged environment next to a jeep, highlighting its durable design and all-terrain wheels. A close-up illustrates the strong pull rod and wear-resistant silent wheels, emphasizing its suitability for various landscapes.

3.4. Smart Dual Power & Battery Slot

The refrigerator operates on multiple power sources: 100–240V AC for household use or 12V/24V DC for vehicle use. It includes a built-in battery slot (battery not included) that charges when plugged in and allows for offline operation. Compatibility with solar power stations provides full off-grid freedom.

3 WAYS OF POWER SUPPLIES

AC Power Cord
100-240V



DC Power Cord
12V/24V



Solar panel
(not included)



Battery
(not included)



Image: A visual representation of the four power supply options for the portable refrigerator: household AC power, vehicle DC power (12V/24V), solar panel power station (not included), and a portable battery (not included), demonstrating its versatility.

3.5. LED Touchscreen & Energy Efficient

The digital control panel features an LED touchscreen with a °F/°C switch for temperature display. It offers an ECO mode for energy saving (less than 35W) and a MAX mode for rapid cooling (less than 1kWh/day). Interior LED lights automatically illuminate when the lid is opened, ensuring visibility in low-light conditions.

32W ECO

ENERGY SAVING

Minimizes consumption while keeping temperature low.

60W MAX

FAST COOLING

Quick freezing allows for keeping food fresh.

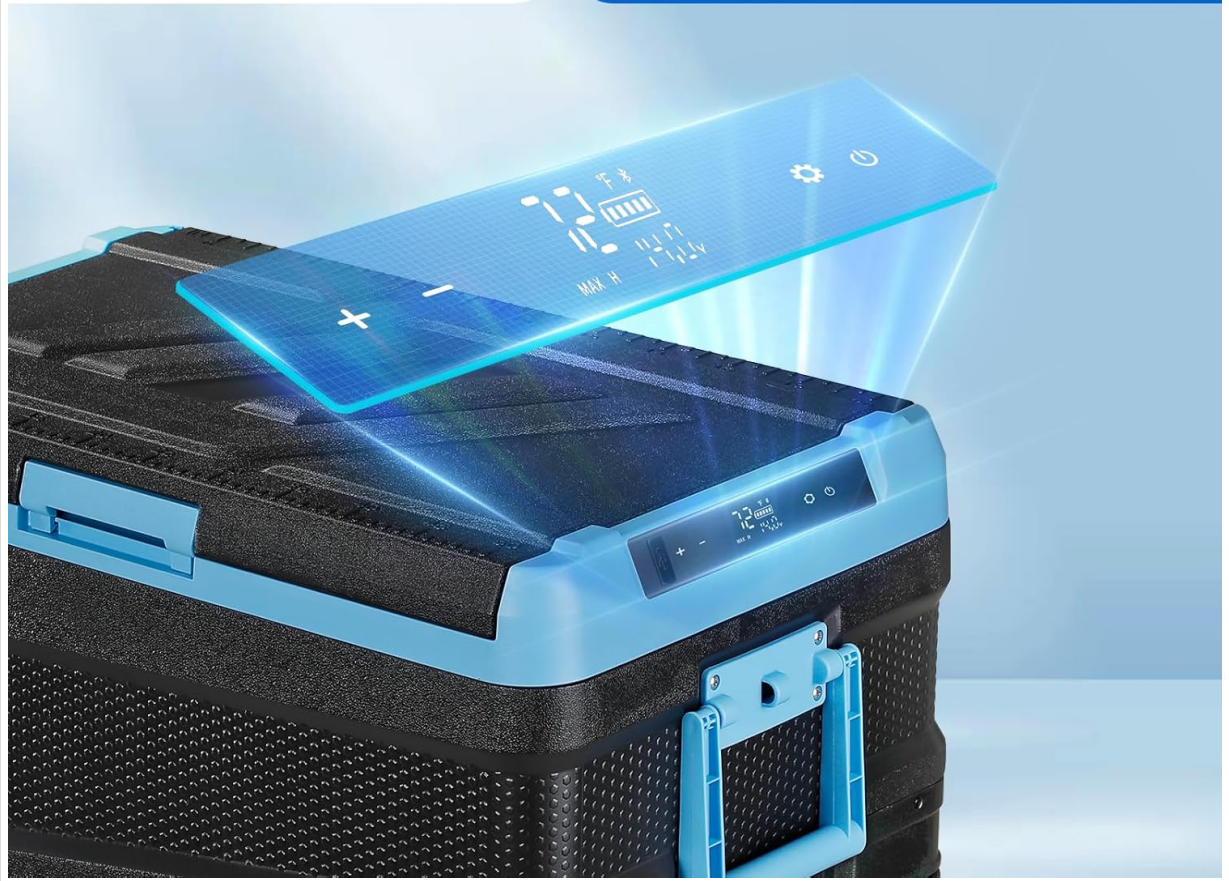


Image: A close-up of the refrigerator's LED touchscreen control panel, highlighting the 32W ECO mode for energy saving and the 60W MAX mode for fast cooling. The display shows temperature settings and battery status.

3.6. Safe, Quiet & Travel-Ready

Integrated 3-level battery protection (L/M/H) prevents vehicle battery drain and overload. The unit operates quietly at approximately 45dB, ensuring minimal disturbance during use, even at night. Its plug-and-play design requires no complex setup, making it ideal for RVs, trucks, vans, boats, camping, BBQs, and road trips. It remains stable on slopes up to 45°.

4. SETUP

1. **Unpacking:** Carefully remove the refrigerator from its packaging. Inspect for any damage during transit.
2. **Initial Placement:** Place the refrigerator upright on a flat, stable surface for at least 12 hours before initial use. This allows the compressor fluids to settle.
3. **Power Connection:** Connect the appropriate power cord (AC for household outlets or DC for vehicle outlets) to the unit's input port.
4. **Optional Battery Installation:** If using a portable battery (sold separately), insert it into the designated battery slot.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off

Press the power button on the LED touchscreen to turn the unit on or off. The display will illuminate, showing the current internal temperature and battery status.

5.2. Temperature Adjustment

Use the '+' and '-' buttons on the control panel to adjust the desired temperature. The temperature range is -4°F to 68°F. The display will show the set temperature.

5.3. Mode Selection (ECO/MAX)

Press the 'SET' button to cycle between ECO (Energy Saving) mode and MAX (Fast Cooling) mode. ECO mode minimizes power consumption, while MAX mode provides rapid cooling.

5.4. Battery Protection Setting

The unit features 3-level battery protection (H - High, M - Medium, L - Low) to prevent your vehicle's battery from draining. Press and hold the 'SET' button for 3 seconds to enter the battery protection setting. Use the '+' or '-' buttons to select the desired level. Refer to the specifications table for voltage cut-off values for each level.

5.5. Reversible Door

The magnetic door can be reversed to open from either side, adapting to your specific setup or space constraints. Consult the manual for detailed instructions on reversing the door.

6. MAINTENANCE

- **Cleaning:** Unplug the unit before cleaning. Use a damp cloth with mild detergent to wipe the interior and exterior. Do not use abrasive cleaners or immerse the unit in water.
- **Defrosting:** The unit features manual defrost. Turn off the unit and allow ice to melt naturally. Use the drain plug for easy water removal.
- **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.
- **Ventilation:** Regularly check that the air vents are clear of dust and debris to ensure optimal performance.

7. TROUBLESHOOTING

- **Unit not powering on:** Check power connections (AC/DC), ensure the power source is active, and verify the fuse in the DC plug.
- **Insufficient cooling:** Ensure the lid is properly closed and sealed. Check if the temperature setting is too high. Verify that the unit is not overloaded with warm items. Ensure proper ventilation around the compressor.
- **Unusual noise:** Ensure the unit is on a flat, stable surface. Check for any loose items inside or around the compressor.
- **Water accumulation:** This is normal during operation due to condensation. Use the drain plug to remove excess water.
- **Battery drain warning:** If using DC power, adjust the battery protection level (L/M/H) to prevent excessive vehicle battery discharge.

8. SPECIFICATIONS

Feature	Specification
Brand	Tecnolove
Model Number	CR451DADUS
Capacity	45 Liters (48 Quarts)
Temperature Range	-4°F to 68°F (-20°C to 20°C)
Power Input	100–240V AC, 12V/24V DC
Item Weight	33.7 Pounds
Product Dimensions	27.24 x 16.37 x 18.3 inches
Noise Level	≤ 45dB
Insulation Thickness	45mm
Door Hinges	Reversible
Defrost Type	Manual

9. WHAT'S IN THE BOX

- Tecnolove 45L Car Refrigerator Freezer
- 4.9 ft AC power cord
- 8.2 ft DC power cord
- Portable basket

10. WARRANTY & SUPPORT

For warranty information, technical support, or any product-related inquiries, please refer to the contact details provided at the time of purchase or visit the official Tecnolove website. Keep your purchase receipt for warranty claims.