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Carbest 173566536

Carbest 30L Portable 12/24V Compressor Refrigerator/Freezer

Model: 173566536 - User Manual

1. INTRODUCTION AND SAFETY INFORMATION

Thank you for choosing the Carbest 30L Portable Refrigerator/Freezer. This appliance is designed for portable cooling and freezing, suitable for various applications such as camping, car travel, and leisure activities. Please read this manual carefully before use to ensure proper operation and to prevent damage to the unit or injury to yourself.

Important Safety Instructions:

- Ensure the power supply matches the voltage specified on the appliance (DC 12-24V).
- Do not operate the appliance if it is visibly damaged.
- Keep ventilation openings clear of obstructions.
- Do not use electrical devices inside the refrigerator/freezer unless they are recommended by the manufacturer.
- Avoid placing the appliance in direct sunlight or near heat sources.
- Always disconnect the power supply before cleaning or 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 Carbest 30L Portable Refrigerator/Freezer is designed for robust and efficient cooling. It features a durable construction with stable handles and reinforced bottom corners for enhanced portability and protection.

Key Features:

- **Cooling and Freezing Capability:** Adjustable temperature range from approximately +10°C to -20°C.
- **Digital Control Unit:** Easy temperature setting and mode selection (MAX/ECO).
- **Integrated Battery Protection:** Safeguards your vehicle's battery from excessive discharge.
- **Internal LED Lighting:** Provides visibility inside the compartment.
- **Removable Basket:** Facilitates easy cleaning and organization.
- **Robust Design:** Stable handles and reinforced bottom corners for durability.
- **Capacity:** 30 liters, allowing small bottles and cartons to be stored upright.

Components:

Familiarize yourself with the main components of your Carbest portable refrigerator/freezer.



Figure 2.1: Top view of the unit, highlighting the robust handles and overall compact design. The control panel is visible on the front.



Figure 2.2: Interior view of the 30L compartment, showing the removable basket, internal LED light, and space for upright bottles.

3. SETUP

3.1 Unpacking

Carefully remove the appliance from its packaging. Retain the packaging for future transport or storage. Inspect the unit for any signs of damage. If damage is found, do not operate the appliance and contact your dealer.

3.2 Placement

- Place the refrigerator/freezer on a stable, level surface.
- Ensure adequate ventilation around the unit. Leave at least 10 cm of space on all sides for proper airflow.
- Avoid placing the unit in direct sunlight or near heat-emitting appliances (e.g., stoves, heaters).

3.3 Power Connection

The Carbest portable refrigerator/freezer operates on DC 12-24V. Use the provided connection cable to power the unit.

1. Connect the 12/24V DC plug into the power input socket on the refrigerator/freezer.
2. Insert the other end of the cable into your vehicle's 12V or 24V power outlet (cigarette lighter socket).
3. Ensure the connection is secure.

4. OPERATING INSTRUCTIONS

The control panel allows you to manage the unit's functions. Refer to the image below for button identification.



Figure 4.1: Digital Control Panel

4.1 Powering On/Off

- To turn on the unit, press the **Power Button** () once. The display will light up.
- To turn off the unit, press and hold the **Power Button** for a few seconds until the display turns off.

4.2 Temperature Adjustment

- Press the **Up** () or **Down** () buttons to adjust the desired temperature.
- The temperature range is from +10°C to -20°C.
- The display will show the set temperature, then revert to the current internal temperature after a few seconds.

4.3 Mode Selection (MAX/ECO)

- Press the **Settings Button** () to cycle between MAX and ECO modes.
- **MAX Mode:** Provides maximum cooling power for rapid temperature reduction.
- **ECO Mode:** Optimizes energy consumption for longer battery life, suitable for maintaining temperature.

4.4 Battery Protection

The unit features an integrated battery protection system to prevent excessive discharge of your vehicle's battery. You can typically adjust the battery protection level (High, Medium, Low) via the settings menu. Consult the display for the current battery voltage level.

5. MAINTENANCE

5.1 Cleaning

- Always disconnect the power supply before cleaning.
- Clean the interior and exterior of the unit with a damp cloth and a mild detergent. Do not use abrasive cleaners or solvents.
- The removable basket can be taken out for easier cleaning. Wash it with warm soapy water and dry thoroughly before placing it back.
- Ensure the ventilation openings are free from dust and debris. Use a soft brush or vacuum cleaner to clean them.
- Do not rinse the unit under running water or immerse it in water.

5.2 Storage

When not in use for an extended period, ensure the unit is clean and dry. Store it in a dry, well-ventilated area, away from direct

sunlight and extreme temperatures. Leave the lid slightly ajar to prevent odors and mold growth.

6. TROUBLESHOOTING

If you encounter issues with your Carbest portable refrigerator/freezer, refer to the following table for common problems and solutions.

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply; loose connection; blown fuse in vehicle.	Check power cable connection; ensure vehicle's power outlet is functional; check vehicle's fuse box.
Unit is not cooling effectively.	Temperature set too high; ventilation blocked; excessive ambient temperature; lid not closed properly.	Lower the set temperature; ensure clear ventilation; move unit to a cooler location; ensure lid is securely closed.
Display shows an error code.	Internal fault; sensor issue.	Turn off the unit, disconnect power, wait 5 minutes, then reconnect and restart. If the error persists, contact customer support.
Unit is noisy.	Unit not level; fan obstruction.	Ensure the unit is on a level surface; check for any obstructions around the fan.

7. SPECIFICATIONS

Feature	Specification
Model Number	173566536
Brand	Carbest
Capacity	30 Liters
Power Input	DC 12-24 Volt
Current Consumption (12V)	5.0 A
Current Consumption (24V)	2.5 A
Cooling Capacity	+10°C to -20°C
Noise Emission	<45 dB
Dimensions (L x W x H)	69 x 34.5 x 38.2 cm
Weight	Approx. 12.1 kg
Material	Polypropylene (PP)
Color	Grey
Included Components	12/24 V connection cable

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Your Carbest portable refrigerator/freezer comes with a standard manufacturer's warranty. Please refer to the warranty card included with your purchase or contact your retailer for specific warranty terms and conditions. Keep your proof of purchase for warranty claims.

8.2 Customer Support

If you have any questions, require technical assistance, or need to report a problem that cannot be resolved using the troubleshooting guide, please contact Carbest customer support or your authorized dealer. Provide your model number (173566536) and a detailed description of the issue when seeking support.

