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ZOKOP BCD52

Portable Car Refrigerator 52L / 55 Quart

User Manual

Brand: **ZOKOP**

1. Introduction

Thank you for choosing the ZOKOP Portable Car Refrigerator. This appliance is designed to provide efficient and reliable cooling and freezing for various applications, including car, truck, bar, and home use. With its robust compressor cooling technology, it can maintain temperatures from -4°F (-20°C) to 50°F (10°C), making it ideal for keeping food fresh and beverages cold during travel or at home. This manual provides essential information for the safe and effective operation, setup, and maintenance of your portable refrigerator.



Image: The ZOKOP Portable Car Refrigerator, a compact and versatile cooling unit.

2. Safety Instructions

Please read all safety instructions carefully before operating the appliance to prevent injury or damage.

- Ensure the power supply matches the voltage specified on the appliance.
- Do not operate the refrigerator if the power cord is damaged or frayed.
- Keep the ventilation openings clear of obstructions to ensure proper airflow and prevent overheating.
- Do not immerse the appliance in water or expose it to excessive moisture.
- Avoid placing flammable or explosive substances inside the refrigerator.
- When using in a vehicle, ensure the refrigerator is securely fastened to prevent movement during driving. The design is vibration resistant and safe to run on angles up to 45° from horizontal.
- Unplug the appliance 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.
- The refrigerator features a battery protection function (H1, H2, H3) to prevent excessive discharge of your vehicle's battery. It is recommended to set the battery protection at H2 (medium) when used in a car.

3. Package Contents

Verify that all items are present in the package:

- 1 x ZOKOP Portable Car Refrigerator (52L / 55 Quart)
- 1 x Internal Storage Basket
- 1 x DC Power Cord (12V/24V)
- 1 x AC Power Adapter (110V-240V)
- 1 x Instruction Book (This Manual)

4. Product Overview

4.1. Components



Image: Various views of the ZOKOP Portable Car Refrigerator, highlighting its handles, control panel, and power input.

- **Main Unit:** The insulated body of the refrigerator.
- **Lid:** Top opening for access to the interior.
- **Control Panel:** Located on the front, with buttons and an LED display.
- **Handles:** Integrated handles on both sides for easy portability.
- **Ventilation Grilles:** Located on the sides for heat dissipation.
- **Power Input Port:** Located at the rear for connecting DC or AC power cords.
- **Internal Basket:** Removable wire basket for organizing contents.

4.2. Control Panel and Display



Image: Close-up of the control panel with labeled buttons for temperature adjustment, settings, and power.

- **LED Display:** Shows current temperature and settings.
- **Temperature Up Button (▲):** Increases the set temperature.
- **Temperature Down Button (▼):** Decreases the set temperature.
- **SET Button (⚙):** Used to enter temperature setting mode or switch between ECO/MAX modes and battery protection levels.
- **ON/OFF Button ( ):** Powers the unit on or off.

5. Setup

1. **Unpacking:** Carefully remove the refrigerator from its packaging. Retain packaging for future transport or storage.
2. **Initial Placement:** Place the refrigerator on a flat, stable surface. Ensure adequate ventilation around the unit, especially near the grilles.
3. **Power Connection:**
    - **For DC 12V/24V (Car/Truck Use):** Connect the DC power cord to the refrigerator's power input port and the other end to your vehicle's cigarette lighter socket.

- **For AC 110V-240V (Home/Bar Use):** Connect the AC adapter to the refrigerator's power input port, then plug the AC power cord into the adapter and a standard wall outlet.

4. **First Use:** For optimal performance, it is recommended to run the refrigerator empty for a few hours after initial setup to allow the internal temperature to stabilize.



Image: The ZOKOP Portable Car Refrigerator placed securely in the trunk of a vehicle, demonstrating its portability.

6. Operating Instructions

6.1. Powering On/Off

- Press the **ON/OFF** button ( ) to turn the refrigerator on. The LED display will illuminate and show the current internal temperature.
- Press and hold the **ON/OFF** button ( ) for 3 seconds to turn the refrigerator off.

6.2. Setting Temperature

- With the refrigerator on, press the **SET** button (⚙) once. The temperature display will flash.
- Use the **Temperature Up** (▲) or **Temperature Down** (▼) buttons to adjust the desired temperature. The temperature range is -4°F (-20°C) to 50°F (10°C).
- Press the **SET** button (⚙) again or wait for 3 seconds for the setting to be saved and the display to stop flashing.

Common Temperature Settings:

- Red wine storage: 10°C (50°F)
- Fruit: 4°C - 6°C (39°F - 43°F)
- Beverages: 2°C - 5°C (36°F - 41°F)
- Meat: -10°C (14°F)
- Ice cream: -15°C (5°F)



Image: The refrigerator interior shown with various items like fruits, meats, drinks, and ice cream, demonstrating its versatility.

6.3. ECO / MAX Mode

The refrigerator has two operating modes:

- **ECO Mode:** Energy-saving mode, suitable for maintaining temperature once reached.
- **MAX Mode:** Fast cooling mode, for quickly reaching the desired temperature.

To switch between modes, press the**SET** button (⚙) repeatedly until "ECO" or "MAX" appears on the display. The mode will be set automatically after a few seconds.

6.4. Battery Protection Mode

This feature protects your vehicle's battery from excessive discharge. There are three levels:

- **H3 (High):** Highest protection, refrigerator will stop operating at a higher battery voltage.
- **H2 (Medium):** Recommended for most car uses, balanced protection.
- **H1 (Low):** Lowest protection, refrigerator will operate until battery voltage is very low.

To adjust the battery protection level, press and hold the**SET** button (⚙) for 3 seconds until the display shows "H1", "H2", or "H3". Use the **Temperature Up** (▲) or**Temperature Down** (▼) buttons to select the desired level. The setting will be saved automatically after a few seconds.

7. Maintenance

7.1. Cleaning

- Always unplug the refrigerator before cleaning.
- Clean the interior and exterior with a damp cloth and mild detergent. Do not use abrasive cleaners or solvents.
- Ensure the interior is completely dry before closing the lid or reconnecting power.
- Regularly clean the ventilation grilles to prevent dust buildup, which can affect cooling efficiency.

7.2. Storage

- If storing for an extended period, ensure the refrigerator 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.

8. Troubleshooting

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

Problem	Possible Cause	Solution
Refrigerator not turning on.	No power supply; loose connection; vehicle battery low (if in car).	Check power cord connection; ensure power outlet/cigarette lighter is functional; check vehicle battery voltage and adjust battery protection mode (H1/H2/H3).
Not cooling effectively.	Lid not closed properly; ventilation blocked; ambient temperature too high; too much content.	Ensure lid is sealed; clear ventilation grilles; move to a cooler environment if possible; do not overfill.
Unusual noise.	Unit not level; fan obstruction.	Place on a level surface; check for any foreign objects near the fan.
Display error code.	Internal sensor issue or system malfunction.	Turn off the unit, wait 5 minutes, then restart. If the error persists, contact customer support.

9. Specifications

Feature	Detail
Brand	ZOKOP
Model Number	BCD52
Effective Total Capacity	52 Liters / 1.82 CU.FT (55 Quarts)
Temperature Range	-4°F to 50°F (-20°C to 10°C)
Power Supply	AC 110-240V / DC 12V/24V
Refrigerant	R134a
Unit Dimensions (L x W x H)	27.2 x 13.6 x 20.6 inches (69 x 34.5 x 52.4 cm)
Net Weight	34.8 lb (15.8 kg)
Installation Type	Freestanding
Door Material Type	Plastic
Color	Black



Image: Diagram showing the dimensions of the ZOKOP Portable Car Refrigerator in both centimeters and inches.

10. Warranty and Support

ZOKOP products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the contact information provided with your purchase documentation or visit the official ZOKOP website. Please have your model number (BCD52) and purchase date available when contacting support.

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