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> AAOBOSI 15L Compressor Cooler User Manual

AAOBOSI CE-MCD15B1-RB

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Model: CE-MCD15B1-RB

1. INTRODUCTION

Thank you for choosing the AAOBOSI 15L Compressor Cooler. This portable electric cooler is designed to keep your food and beverages chilled or frozen, offering a temperature range from -20°C to 20°C. It operates on both 12V/24V DC and 100-240V AC power, making it suitable for use in vehicles, boats, camping, or at home. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance and longevity of your cooler.

2. SAFETY INSTRUCTIONS

- Read all instructions before operating the appliance.
- Do not operate the cooler if it is visibly damaged.
- Ensure the voltage indicated on the rating label matches your power supply.
- Do not immerse the cooler in water or expose it to heavy rain. The IPX4 rating protects against splashes, not submersion.
- Keep ventilation openings clear of obstructions.
- Do not use electrical appliances inside the cooler unless they are of the type recommended by the manufacturer.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Avoid touching internal cooling surfaces with wet hands, as this could cause frostbite.
- Disconnect the power supply before cleaning or performing 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.

3. PRODUCT OVERVIEW

3.1 Included Components

- 1 x AAOBOSI 15L Compressor Cooler
- 1 x AC Power Cable
- 1 x DC Power Cable
- 1 x User Manual

3.2 Key Features

- **IPX4 Splash Protection:** Effectively protects the cooler from water splashes from any direction, suitable for various outdoor conditions.
- **Compact Design, Generous Capacity:** 15L capacity, measuring 47 x 32.8 x 32 cm, capable of holding up to 20 standard 330ml cans.
- **Fast Cooling & Freezing:** Efficient compressor technology allows rapid cooling from -20°C to 20°C.
- **Quiet Operation:** Operates at a low noise level of only 31 dB, ideal for quiet environments like RVs or tents.
- **Premium GMCC Compressor:** Advanced compressor technology for excellent cooling efficiency with minimal energy consumption.
- **MAX/ECO Modes:** Choose between maximum cooling power (MAX) or energy-saving operation (ECO) for flexibility.
- **Reversible Door & LCD Screen:** Removable and reversible door allows opening from either side. Easy-to-use LCD control panel for temperature adjustment.
- **Battery Protection Modes (H/M/L):** Prevents unnecessary draining of your vehicle's battery.
- **Versatile Power Input:** Supports 12V/24V DC and 100-240V AC power.
- **Extension Holes:** Features 10 lateral extension holes for attaching accessories like cup holders or fishing rod holders.

3.3 Product Diagram



Image Description: A front-side view of the AAOBOSI 15L Compressor Cooler. The cooler is blue with a dark grey lid and control panel. The control panel, located on the front, features an LCD display and buttons. Sturdy handles are visible on the sides for portability. The overall design is compact and robust.

4. SETUP

4.1 Unpacking

1. Carefully remove the cooler from its packaging.
2. Remove all packing materials, including any protective films or tapes.
3. Clean the interior and exterior of the cooler with a damp cloth before first use.
4. Allow the cooler to stand upright for at least 6 hours before connecting it to power. This allows the refrigerant to settle.

4.2 Power Connection

The cooler can be powered by either AC (home/mains) or DC (vehicle) power.

- **AC Power (100-240V):** Connect the AC power cable to the cooler's AC input port, then plug the other end into a standard

wall outlet.

- **DC Power (12V/24V):** Connect the DC power cable to the cooler's DC input port, then plug the other end into your vehicle's cigarette lighter socket or a 12V/24V power source.

Note: The cooler will automatically detect the input voltage. It is recommended to pre-cool the unit at home using AC power before transferring it to your vehicle for travel.

4.3 Door Reversal (Optional)

The cooler features a removable and reversible door. If you wish to change the door opening direction, carefully detach the door from its hinges and reattach it on the opposite side. Refer to the specific instructions in the included manual for detailed steps on door reversal.

5. OPERATING INSTRUCTIONS

5.1 Control Panel Overview

The cooler is equipped with an intuitive LCD control panel. It typically includes:

- **Power Button:** To turn the cooler ON/OFF.
- **SET Button:** To enter temperature setting mode or change other settings.
- **UP/DOWN Buttons:** To adjust temperature or navigate settings.
- **LCD Display:** Shows current temperature, set temperature, and operating status.

5.2 Powering On/Off

Press the Power Button once to turn the cooler ON. The LCD display will illuminate and show the current internal temperature. Press and hold the Power Button for a few seconds to turn the cooler OFF.

5.3 Temperature Adjustment

1. With the cooler ON, press the SET button. The temperature display will flash.
2. Use the UP or DOWN buttons to adjust the desired temperature between -20°C and 20°C.
3. Press the SET button again or wait a few seconds for the setting to be saved. The display will return to showing the current internal temperature.

5.4 MAX/ECO Mode Selection

The cooler offers two operating modes:

- **MAX Mode:** Provides maximum cooling power for rapid temperature reduction, ideal for hot conditions or when quick cooling is needed.
- **ECO Mode:** Reduces energy consumption, suitable for maintaining temperature over longer periods or when power efficiency is a priority.

To switch between modes, press the SET button repeatedly until the MAX or ECO indicator appears on the display, then use the UP/DOWN buttons to select your desired mode.

5.5 Battery Protection Mode (H/M/L)

This feature prevents your vehicle's battery from being fully discharged. There are three settings:

- **H (High):** Highest protection, cooler will cut off at a higher battery voltage.
- **M (Medium):** Medium protection.
- **L (Low):** Lowest protection, cooler will cut off at a lower battery voltage, allowing longer operation but with higher risk to battery.

To adjust the battery protection mode, press and hold the SET button for a few seconds until the battery icon flashes, then use the UP/DOWN buttons to select H, M, or L. Release the SET button to confirm.

5.6 General Usage Tips

- For best results, pre-cool the cooler before loading items.
- Fill the cooler with pre-chilled or frozen items to reduce the workload on the compressor.
- Avoid opening the lid frequently to maintain internal temperature.
- Ensure adequate ventilation around the cooler, especially the compressor area.
- When using in a vehicle, ensure the cooler is securely fastened to prevent movement.

6. MAINTENANCE

6.1 Cleaning

- Always disconnect the power supply before cleaning.
- Clean the interior and exterior surfaces with a damp cloth and a mild detergent.
- Do not use abrasive cleaners, harsh chemicals, or sharp objects, as these can damage the cooler's surfaces.
- Ensure the drain plug (if present) is open to allow any melted ice or condensation to drain.
- Regularly clean the ventilation grilles to ensure proper airflow to the compressor. Use a soft brush or vacuum cleaner to remove dust.
- Dry all surfaces thoroughly before reconnecting power or storing the cooler.

6.2 Storage

- When not in use for an extended period, ensure the cooler is clean and dry.
- Store the cooler in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.
- It is recommended to leave the lid slightly ajar to prevent odors and mildew buildup.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Cooler does not turn on	No power supply; Faulty power cable; Low battery voltage (DC mode)	Check power connection; Try a different power outlet/cable; Adjust battery protection mode (L) or charge vehicle battery.
Cooler not cooling effectively	Lid not closed properly; Overloaded with warm items; Poor ventilation; Ambient temperature too high; ECO mode selected	Ensure lid is sealed; Pre-chill items; Clear ventilation openings; Move cooler to a cooler environment; Switch to MAX mode.
Display shows an error code	Internal fault (e.g., sensor error, compressor issue)	Turn off the cooler, disconnect power for 5 minutes, then restart. If the error persists, contact customer support.
Unusual noise from cooler	Cooler not level; Items inside vibrating; Fan obstruction	Place cooler on a flat surface; Secure items inside; Check for obstructions near the fan.

If the problem persists after attempting these solutions, please contact AAOBOSI customer support for further assistance.

8. SPECIFICATIONS

Feature	Specification
Model Number	CE-MCD15B1-RB
Capacity	15 Liters
Dimensions (L x W x H)	47 x 32.8 x 32 cm
Weight	9 Kilograms
Temperature Range	-20°C to 20°C
Voltage (DC)	12V / 24V
Voltage (AC)	100-240V
Rated Power	60W
Noise Level	31 dB
Cooling Method	Compressor
Waterproof Rating	IPX4 (Splash-proof)
Defrost System	Automatic
Door Position	Reversible
Annual Energy Consumption	66 Kilowatt-hours

9. WARRANTY AND SUPPORT

AAOBOSI products are manufactured to high-quality standards. For information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your purchase or visit the official AAOBOSI website. For technical support, troubleshooting assistance, or spare parts, please contact AAOBOSI customer service through the contact information provided on the product packaging or website. Please have your model number (CE-MCD15B1-RB) and purchase date ready when contacting support.

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