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› AAOBOSI Car Refrigerator User Manual

AAOBOSI Car Refrigerator

AAOBOSI Car Refrigerator User Manual

Model: Car Refrigerator (42L)

1. INTRODUCTION

Thank you for choosing the AAOBOSI Car Refrigerator. This portable refrigerator is designed to provide efficient cooling and freezing for various applications, including automotive, home, outdoor, and marine environments. Featuring advanced compressor technology, dual-zone temperature control, and smart functionalities, it ensures your items remain at optimal temperatures.

Please read this manual thoroughly before operating the appliance to ensure proper use, maximize performance, and prevent damage.



Figure 1.1: AAOBOSI 42L Car Refrigerator, showcasing its capacity and smart control feature.

2. SAFETY INSTRUCTIONS

To ensure safe operation and reduce the risk of injury or damage, always adhere to the following safety precautions:

- Ensure the power supply voltage matches the appliance's requirements (DC 12V/24V or AC 100-240V).
- Do not operate the refrigerator if the power cord is damaged or if the appliance shows signs of malfunction.
- Keep ventilation openings clear of obstructions to ensure proper airflow and prevent overheating.
- Avoid placing the refrigerator in direct sunlight or near heat sources.
- Do not immerse the appliance in water or expose it to excessive moisture.
- Always 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.
- Children should be supervised to ensure that they do not play with the appliance.

3. PRODUCT FEATURES

The AAOBOSI Car Refrigerator is equipped with several features designed for convenience and performance:

- **Dual Zone with Independent Temperature Control:** Two separate compartments allow for simultaneous refrigeration and freezing, with individual temperature settings ranging from 68°F (20°C) to -4°F (-20°C).
- **Fast Cooling Technology:** Utilizes compressor refrigeration to cool rapidly, reaching 32°F (0°C) in approximately 15 minutes when empty, and its lowest temperature of -4°F (-20°C) in about an hour.
- **Anti-Shaking Design:** Engineered to maintain stable operation even on uneven roads or inclines up to 30 degrees, making it suitable for off-road use.
- **Low Noise Operation:** Designed to run quietly, ensuring minimal disturbance during use.
- **H/M/L Voltage Protection:** Features a 3-level battery protection system to prevent car battery drain, automatically shutting down when the battery voltage is low.
- **Smart Touch Screen Control:** Intuitive control panel for easy temperature adjustment and mode selection (MAX for fast cooling, ECO for energy saving).
- **App Control:** Connect via a mobile application to remotely monitor and adjust settings.
- **Optimal Design:** Includes a retractable trolley bar and handle for easy portability, durable wheels, a built-in light for visibility, a USB charging port, and an integrated bottle opener.

Dual Zone. Temperature Independent Control (-4°F -68°F)

4 Different Options



Seafood



Meat



Drink



Ice cream



Fruit



Vegetable



Milk



Cosmetic

Figure 3.1: The dual-zone feature allows for flexible configuration as a freezer, fridge, or combination of both.



Figure 3.2: Smart touch screen for easy control and monitoring of temperature and modes.



Figure 3.3: The anti-shaking design ensures stable operation during travel.



Figure 3.4: Remote control and monitoring via the dedicated mobile application.

4. SETUP

Follow these steps to set up your AAOBOSI Car Refrigerator:

1. **Unpacking:** Carefully remove the refrigerator from its packaging. Retain the packaging for future storage or transport.
2. **Placement:** Place the refrigerator on a stable, level surface. Ensure there is adequate ventilation around the unit (at least 4 inches or 10 cm clearance on all sides) to allow for proper heat dissipation. Avoid placing it directly against walls or in enclosed spaces.
3. **Power Connection:**
 - **DC Power (12V/24V):** Connect the DC power cord to the refrigerator's DC input port and then to your vehicle's cigarette lighter socket or a compatible 12V/24V power source.
 - **AC Power (100-240V):** For home or standard outlet use, connect the AC power adapter to the refrigerator's AC input port, and then plug the adapter into a standard wall outlet.
4. **Initial Use:** For optimal performance, it is recommended to pre-cool the refrigerator for at least 30 minutes before loading items.

Suitable for Car, Home, Outdoor, Yacht

Supports multiple voltages DC 12V/24V AC 100-240V



Figure 4.1: The refrigerator supports multiple power inputs for versatile use.

5. OPERATING INSTRUCTIONS

Operating your AAOBOSI Car Refrigerator is straightforward:

1. **Power On/Off:** Press the power button on the control panel to turn the unit on or off.
2. **Temperature Adjustment:** Use the '+' and '-' buttons on the control panel to set the desired temperature for each zone. The digital display will show the current and target temperatures.
3. **Mode Selection (MAX/ECO):** Press the mode button to switch between MAX (Fast Cooling) and ECO (Energy Saving) modes. MAX mode provides quicker cooling, while ECO mode conserves power.
4. **Voltage Protection Setting:** The refrigerator features three levels of battery protection (H - High, M - Medium, L - Low) to prevent your vehicle's battery from draining. Select the appropriate level based on your battery type and usage. Refer to the table below for voltage thresholds.



Figure 5.1: Voltage protection levels for 12V and 24V DC inputs.

5. **App Control:** Download the official AAOBOSI app from your smartphone's app store. Follow the in-app instructions to pair your device with the refrigerator via Bluetooth. Once connected, you can control temperatures, switch modes, and monitor battery voltage remotely.
6. **Loading Items:** For best cooling efficiency, avoid overfilling the compartments. Ensure items do not block the internal air circulation vents.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your refrigerator:

- **Cleaning:**
 - Disconnect the power before cleaning.
 - Wipe the interior and exterior surfaces with a soft cloth dampened with mild detergent and water.
 - Do not use abrasive cleaners, solvents, or sharp objects, as these can damage the surfaces.
 - Ensure the unit is completely dry before reconnecting power.
- **Defrosting:** The refrigerator features an automatic defrost system. If a significant layer of ice builds up, manually defrost by turning off the unit and allowing the ice to melt naturally. Wipe away melted water with a clean cloth.
- **Storage:** When not in use for extended periods, clean the refrigerator thoroughly, leave the lids slightly ajar to prevent odors, and store it in a dry, well-ventilated area.

7. TROUBLESHOOTING

If you encounter issues with your AAOBOSI Car Refrigerator, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Refrigerator not turning on	No power supply; Loose connection; Blown fuse; Low battery voltage (if in vehicle)	Check power cord connection; Verify power source is active; Check vehicle's fuse; Adjust voltage protection level or charge vehicle battery.
Not cooling sufficiently	Temperature setting too high; Ventilation blocked; Too many items loaded; Ambient temperature too high; Door not closed properly	Lower temperature setting; Ensure proper ventilation; Reduce load; Move to a cooler environment; Ensure lid is securely latched.
Excessive noise	Unit not level; Items inside rattling; Fan obstruction	Place on a level surface; Secure items inside; Check for obstructions around the fan.
Error code displayed	Internal malfunction; Sensor issue	Refer to the specific error code in the full manual (if available) or contact customer support.

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

8. SPECIFICATIONS

Feature	Specification
Brand	AAOBOSI
Model	Car Refrigerator
Capacity	42 Liters
Product Dimensions	21"D x 31"W x 21"H (53.34 cm D x 78.74 cm W x 53.34 cm H)
Item Weight	50 Pounds (22.68 kg)
Voltage	12 Volts / 24 Volts DC, 100-240 Volts AC
Temperature Range	68°F (20°C) to -4°F (-20°C)
Configuration	Dual Zone, Freezerless
Defrost System	Automatic
Special Feature	App Control
Color	Black

AAOBOSI CAR REFRIGERATOR

Accompany you to explore the scenery on the road



Figure 8.1: Product dimensions for fitting in various spaces.

9. WARRANTY AND SUPPORT

AAOBOSI provides a **3-year warranty** for this product, covering manufacturing defects and performance issues under normal use. Please retain your proof of purchase for warranty claims.

For technical assistance, troubleshooting beyond this manual, or warranty service, please contact AAOBOSI Customer Support through the official website or the contact information provided with your purchase.

Customer Support: [Visit the AAOBOSI Store on Amazon](#)