

## AAOBOSI UL-SU-T25A

# AAOBOSI UL-SU-T25A 27 Quart Portable Car Refrigerator/Freezer Instruction Manual

Model: UL-SU-T25A | Brand: AAOBOSI

### 1. INTRODUCTION

Thank you for choosing the AAOBOSI UL-SU-T25A Portable Car Refrigerator/Freezer. This appliance is designed to provide efficient cooling and freezing for various applications, including camping, travel, outdoor activities, and home use. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance and longevity of your unit.

### 2. SAFETY INFORMATION

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

- **Power Supply:** Ensure the power source matches the voltage requirements (DC 12/24V or AC 110-240V). Do not use incompatible power adapters.
- **Ventilation:** Maintain adequate ventilation around the unit. Do not block air vents to prevent overheating.
- **Placement:** Place the refrigerator on a stable, level surface. Avoid direct sunlight or heat sources.
- **Water Exposure:** Do not expose the unit to rain or immerse it in water.
- **Cleaning:** Disconnect power before cleaning. Use a damp cloth; avoid abrasive cleaners.
- **Battery Protection:** The unit features a 3-level battery protection system to prevent vehicle battery drain. Select the appropriate level (H1, N2, L3) based on your vehicle's battery condition.
- **Tilt Angle:** For long-term operation, the tilt angle should be less than 5°. For short-term operation, it should be less than 45°.
- **Children:** Keep out of reach of children.

### 3. PRODUCT OVERVIEW AND FEATURES

The AAOBOSI UL-SU-T25A is a versatile portable refrigerator/freezer designed for convenience and efficiency.

#### Key Features:

- **Dual Storage Area:** Features a large and a small storage area to separate items and reduce odor transfer. The

HIPS liner is suitable for various food items.

- **Fast and Effective Cooling:** Equipped with a high-quality compressor, capable of cooling from -4°F to 68°F (-20°C to 20°C) rapidly.
- **Energy Efficient:** Operates in MAX/ECO modes with low energy consumption, suitable for extended use.
- **Ultra-Low Noise:** Operates below 45dB, ensuring quiet use.
- **3-Level Battery Protection:** Prevents vehicle battery drain by automatically shutting off at a user-selected voltage level.
- **Smart APP Control:** Allows remote temperature adjustment and monitoring via a smartphone application.
- **USB Charging Port:** Conveniently charge mobile devices directly from the unit.
- **Interior LED Light:** Provides visibility inside the cooler, especially in low-light conditions.
- **Easy Cleanup:** Features a removable spout for quick internal cleaning.
- **Multiple Power Supply Modes:** Supports DC 12/24V (car/truck) and AC 110-240V (home outlet), and can be powered by solar panels/battery stations.

### Components:

- Car refrigerator unit
- Cigarette lighter connector (DC 12/24V)
- Plug adapter (AC 110-240V)
- Instruction manual



Figure 3.1: The AAOBOSI portable car refrigerator showing its contents and smartphone app control.

# AAOBOSI CAR REFRIGERATOR

Compact Space & Large Capacity  
Ideal for travel!



Figure 3.2: Dimensions and capacity of the 27 Quart AAOBOSI car refrigerator, illustrating its compact design and storage capabilities.



# ADJUST THE TEMPERATURE AT ANY TIME TO CHANGE

Freezer Freezing Mode

-4 - 35 °F



Beef



Seafood



Meat



Ice Cream

Refrigerator Freshness Mode

35 - 50 °F



Vegetable



Fruit



Drink



Milk

The single temperature cooler can be used as a refrigerator or freezer with an attached compartment for storing small items.

Figure 3.3: Illustration of the freezer freezing mode (-4°F to 35°F) and refrigerator freshness mode (35°F to 50°F) for various food types.

## 4. SETUP

Follow these steps for initial setup:

1. **Unpacking:** Carefully remove the refrigerator from its packaging. Retain packaging for future transport or storage.
2. **Placement:** Place the unit on a flat, stable surface. Ensure there is at least 10 cm (4 inches) of space around all sides for proper ventilation.
3. **Power Connection:**
  - **DC Power (12V/24V):** Connect the cigarette lighter connector to the DC input port on the refrigerator and then into your vehicle's 12V or 24V power outlet.
  - **AC Power (110-240V):** Connect the AC plug adapter to the AC input port on the refrigerator and then into a standard home electrical outlet.
4. **Initial Power On:** Press the "ON/OFF" button on the control panel to power on the unit.

5. **Battery Protection Setting:** Adjust the battery protection level (H1, N2, L3) using the control panel or app to prevent draining your vehicle's battery. H1 is the highest protection, L3 is the lowest.



Figure 4.1: The portable refrigerator placed securely in a car trunk, ready for connection to the vehicle's power supply.



Figure 4.2: Illustration of the multiple power supply options including 12V/24V DC for vehicles, solar panel/battery station, and 100-240V AC home outlet.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Control Panel Operation



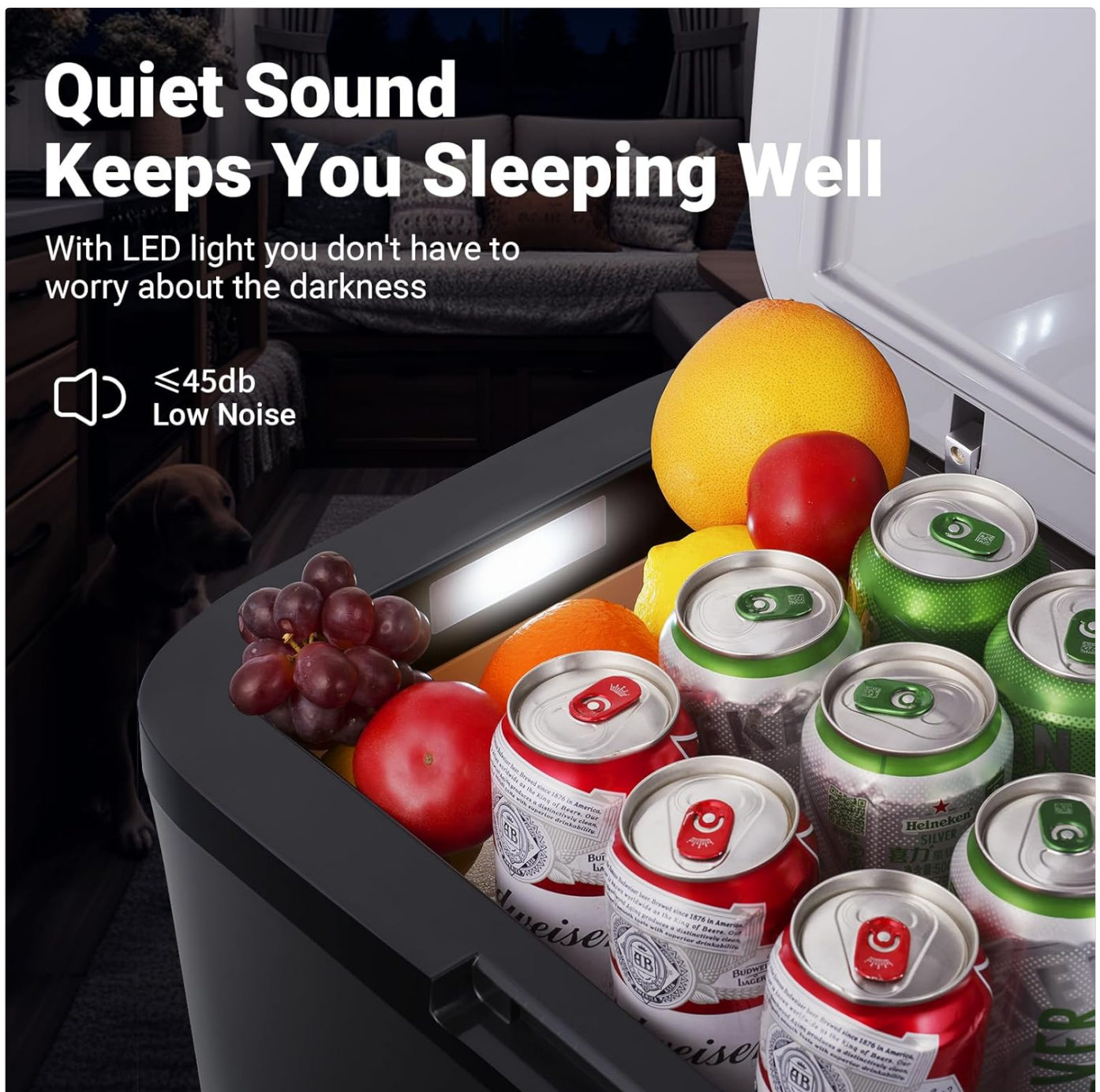


Figure 5.1: The smart touch screen control panel for easy operation and temperature adjustment.

- **Power On/Off:** Press the **ON/OFF** button to turn the unit on or off.
- **Temperature Adjustment:** Use the **+** and **-** buttons to increase or decrease the desired temperature. The display will show the current and target temperatures.
- **Settings (SET):** Press the **SET** button (gear icon) to cycle through settings such as MAX/ECO mode and battery protection levels (H1/N2/L3).
  - **MAX Mode:** Provides faster cooling.
  - **ECO Mode:** Optimizes for energy saving.

## 5.2 Smart APP Remote Control

The AAOBOSI refrigerator can be controlled via a smartphone application for convenience.

1. **Download App:** Scan the QR code provided in the packaging or search for the "AAOBOSI" app in your device's app store.
2. **Pairing:** Follow the in-app instructions to pair your smartphone with the refrigerator via Bluetooth.



3. **Remote Control:** Once paired, you can adjust temperature, switch modes, and monitor the unit's status from your phone.



Figure 5.2: The portable car refrigerator supporting Bluetooth connection, allowing convenient control via a smartphone app while driving or camping.

### 5.3 USB Charging

A USB port is available for charging small electronic devices.

- Locate the USB port on the side of the unit.
- Connect your device's USB charging cable to the port.
- Ensure the refrigerator is powered on for the USB port to function.

# ENJOY TRAVELING WITH YOUR PARTNERS



Figure 5.3: The USB port on the side of the refrigerator, demonstrating its use for charging a smartphone.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your refrigerator.

- **Cleaning:**

- Disconnect the power supply before cleaning.
- Wipe the interior and exterior with a damp cloth and mild detergent.
- For internal cleaning, use the removable spout to drain any liquids.
- Do not use abrasive cleaners or sharp objects that could damage the surfaces.

- **Defrosting:** If ice builds up, turn off the unit and allow the ice to melt naturally. Drain the water through the spout.

- **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.





**Compact Design**



**Non Slip**



**Anti Vibration**



**Saving Energy**

Figure 6.1: The pull-out button for draining water, facilitating easy cleanup of the refrigerator interior.

## 7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; faulty cable; vehicle battery low.	Check power connections. Ensure vehicle power outlet is functional. Check vehicle battery voltage.
Insufficient cooling.	Temperature setting too high; poor ventilation; excessive contents; door not sealed.	Lower temperature setting. Ensure clear ventilation. Reduce contents. Check door seal.

Problem	Possible Cause	Solution
Excessive noise.	Unit not level; fan obstruction.	Place on a level surface. Check for obstructions around the fan.
App connection issues.	Bluetooth off; app not updated; pairing error.	Ensure Bluetooth is enabled on your phone. Update the app. Re-attempt pairing following in-app instructions.
Error codes on display.	Specific internal fault.	Refer to the full manual for specific error code meanings or contact customer support.

8. SPECIFICATIONS

Feature	Specification
Brand Name	AAOBOSI
Model Info	UL-SU-T25A
Item Weight	22 pounds
Product Dimensions	12.99 x 23.07 x 14.49 inches (13"D x 23"W x 14.5"H)
Capacity	25 Liters (27 Quart)
Installation Type	Freestanding
Form Factor	Chest
Color	Black
Voltage	12 Volts (DC 12/24V, AC 110-240V)
Defrost	Manual
Door Hinges	Left
Door Material Type	Plastic
Certification	Energy Star
Number Of Doors	1

9. WARRANTY AND SUPPORT

AAOBOSI is committed to providing high-quality products and customer satisfaction. For warranty information, product registration, or technical support, please refer to the contact information provided with your purchase or visit the official AAOBOSI website. If you have any questions or require assistance, please contact customer service through the platform where you purchased the product.

10. PRODUCT VIDEO

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Video 10.1: An overview of the AAOBOSI Car Refrigerator, demonstrating its features such as dual storage, control panel, USB charging, and portability for



various uses.

