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› Aeitto 12 Volt Car Refrigerator 20 Quart User Manual

Aeitto CRA18

Aeitto 12 Volt Car Refrigerator (20 Quart) User Manual

Model: CRA18

1. INTRODUCTION

Thank you for choosing the Aeitto 12 Volt Car Refrigerator. This portable electric cooler is designed to keep your food and beverages chilled or frozen during travel, camping, and other outdoor activities. It features efficient compressor cooling, a wide temperature range, and multiple power options for versatile use. Please read this manual thoroughly before operation to ensure proper use and maintenance.



Image 1.1: The Aeito 20 Quart Car Refrigerator, a portable electric cooler for travel and outdoor use.

2. SAFETY INFORMATION

To ensure safe operation and prolong the life of your refrigerator, please observe the following safety guidelines:

- Ensure the refrigerator is placed on a stable, level surface to prevent tipping.
- Do not block the ventilation openings. Allow adequate space around the unit for proper airflow.
- Keep the refrigerator away from direct heat sources and direct sunlight.
- Do not immerse the unit in water or expose it to heavy rain.
- Always disconnect power before cleaning or performing maintenance.
- Do not operate the refrigerator with wet hands.
- Keep children away from the refrigerator, especially when it is operating.

3-Level Battery Protection

This refrigerator is equipped with a 3-level battery monitoring system to prevent your vehicle's battery from being depleted. You can customize the cutoff settings (High H1, Medium N2, Low L3) to automatically shut off the fridge when the battery voltage drops below a selected level. This feature protects your vehicle's battery life and ensures safe starting.

3-LEVEL BATTERY PROTECTION

Prevents the car from automatically stalling, protects battery life and safety.



High H1



Medium N2



Low L3



Image 2.1: Illustration of the 3-level battery protection system, showing High, Medium, and Low settings.

3. WHAT'S INCLUDED

Upon unpacking your Aeitto Car Refrigerator, please verify that all the following components are present:

- Car Refrigerator (1 unit)
- 12V/24V DC Power Cord (1 unit)
- 100V-240V AC Adapter Cord (1 unit)
- Removable Basket (1 unit)
- User Manual (1 unit)

4. SETUP

Initial Preparation

1. Unpack the refrigerator and all accessories.
2. Clean the interior and exterior with a damp cloth before first use.
3. Place the refrigerator in a well-ventilated area, ensuring at least 10 cm of space around all sides for proper heat dissipation.

Power Connection

The Aeitto Car Refrigerator supports both AC and DC power inputs.

- **AC Power (100-240V):** Use the provided AC adapter cord to connect the refrigerator to a standard wall outlet. This is suitable for home or indoor use.
- **DC Power (12V/24V):** Use the provided DC power cord to connect the refrigerator to your vehicle's cigarette lighter socket. This is for in-car or portable use.

MULTIPLE POWER SUPPLY MODES



Image 4.1: The refrigerator connected to indoor AC power and car DC power.

5. OPERATING INSTRUCTIONS

Powering On/Off

Press the power button on the control panel to turn the refrigerator on or off. The display will illuminate when the unit is powered on.

Temperature Control

The refrigerator offers a temperature range from -4°F (-20°C) to 68°F (20°C). Use the '+' and '-' buttons on the control panel to adjust the desired temperature. The display will show the current internal temperature and the set temperature.



Image 5.1: The internal compartments showing settings for both freezing (-4°F) and refrigeration (42°F).

Cooling Modes (ECO/MAX)

The refrigerator features two cooling modes:

- **MAX Mode:** Provides rapid cooling to reach the desired temperature quickly. Power consumption is up to 55W.
- **ECO Mode:** An energy-saving mode that maintains the temperature with lower power consumption (below 40W). Ideal for prolonged use when fast cooling is not critical.

Switch between modes using the appropriate button on the control panel.



Image 5.2: Comparison of MAX mode (55W) for fast cooling and ECO mode (40W) for energy efficiency.

Fast Cooling Performance

The compressor cooling technology allows the unit to drop from room temperature (77°F / 25°C) to 32°F (0°C) in approximately 15 minutes, and reach -4°F (-20°C) within 50 minutes. This ensures efficient preservation of perishables without the need for ice.

15 MINS FAST COOLING

Quickly Drop from 77°F to 32°F



***Data based on 77°F ambient temp and empty box.**

Image 5.3: Visual representation of the fast cooling capability, reaching 32°F in 15 minutes.

Low Noise Operation

The Aeitto car fridge operates at a minimal noise level of less than 45dB, ensuring undisturbed rest during travel or camping. Its vibration-resistant construction maintains stable performance even on inclined surfaces.

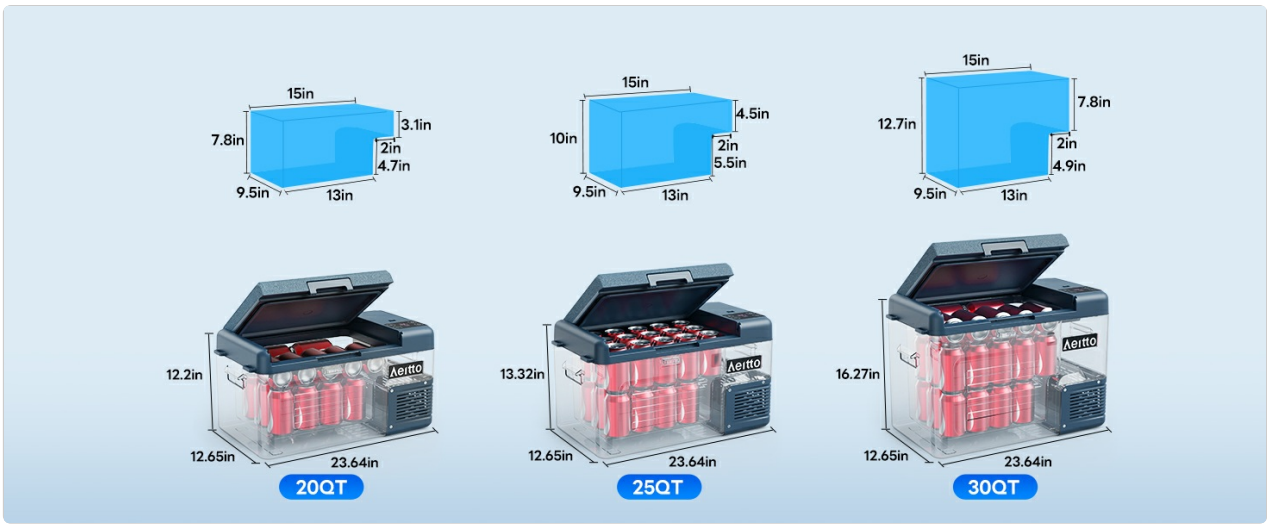


Image 5.4: Depiction of the refrigerator's low noise level, suitable for night use.

6. MAINTENANCE

Cleaning

- Always unplug the refrigerator before cleaning.
- Use a soft cloth dampened with mild detergent and warm water to clean the interior and exterior surfaces.
- Do not use abrasive cleaners, harsh chemicals, or sharp objects, as these can damage the surfaces.
- Ensure the unit is completely dry before reconnecting power.

Detachable Door

The refrigerator features a detachable door for easier cleaning and access. To detach, open the door to a 45-degree angle and gently lift it off its hinges. To reattach, align the door shaft with the hole at a 45-degree angle and insert it.

DETACHABLE DOOR



Image 6.1: Steps for detaching and reattaching the refrigerator door for cleaning or convenience.

7. TROUBLESHOOTING

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

- **No Power:** Check if the power cord is securely connected to both the refrigerator and the power source (AC outlet or car socket). Ensure the power source is active. For car use, check your vehicle's fuse.
- **Not Cooling Effectively:** Verify that the temperature setting is correct. Ensure the ventilation openings are not blocked and there is sufficient space around the unit. Avoid placing hot items directly into the refrigerator.
- **Unusual Noise:** A slight humming sound from the compressor is normal. If you hear loud or unusual noises, ensure the unit is on a stable surface and not vibrating against other objects.
- **Display Error Codes:** If an error code appears on the display, refer to the specific error code section in the full user manual (if available) or contact customer support.

For persistent issues, please contact Aeitto customer support.

8. SPECIFICATIONS

Feature	Specification
Product Dimensions (D x W x H)	12.65" x 23.64" x 12.2"
Capacity	20 Quarts (approx. 0.68 Cubic Feet)
Color	Dusty Blue
Temperature Control Range	-4°F to 68°F (-20°C to 20°C)
Voltage	12V/24V DC & 100-240V AC
Cooling Method	Compressor
Defrost System	Manual Defrost
Special Feature	Energy Efficient (ECO Mode)
Noise Level	<45dB
Model Number	CRA18

20 QUART CAPACITY

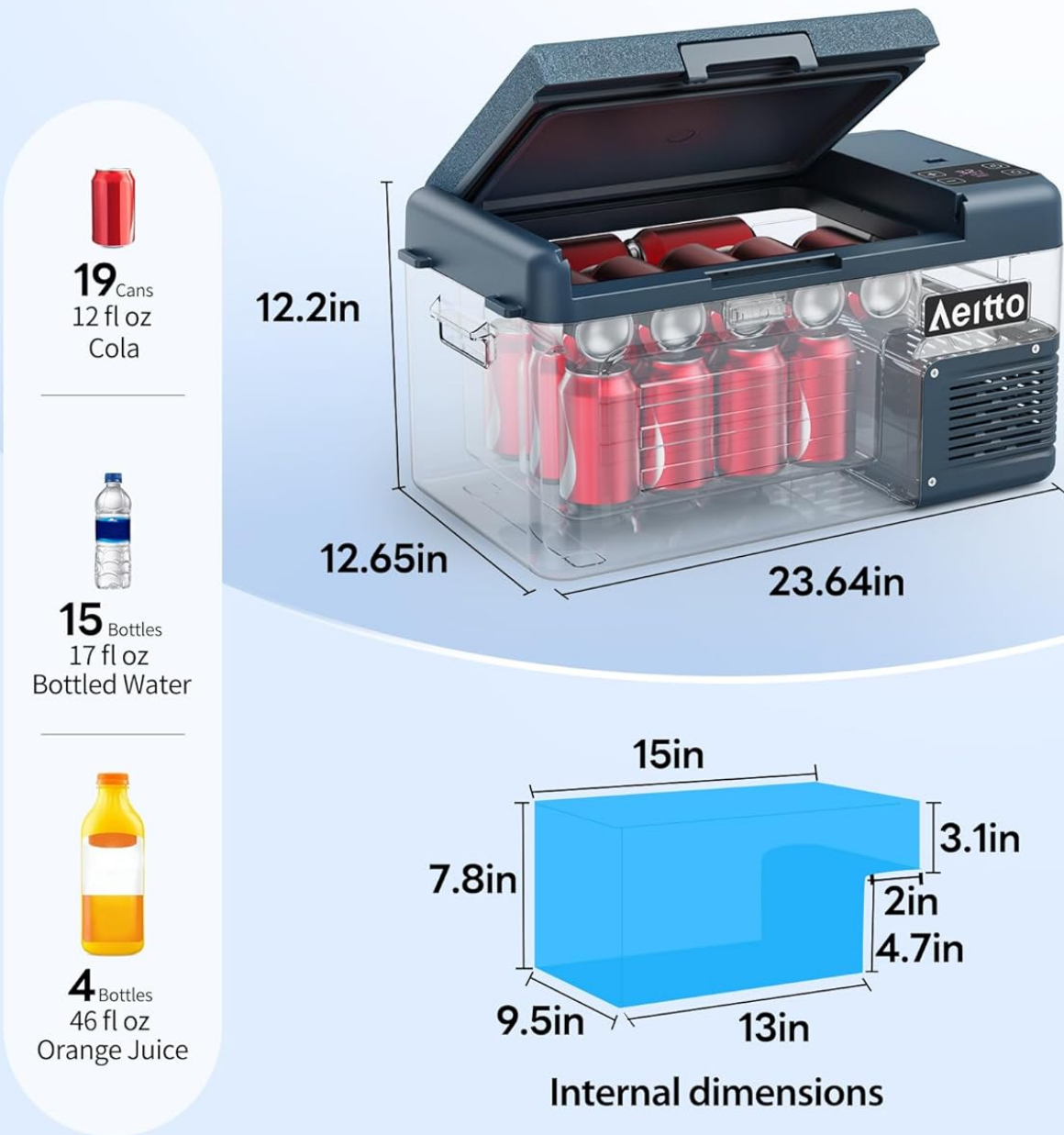


Image 8.1: Visual representation of the 20-quart capacity and internal dimensions.

9. WARRANTY AND SUPPORT

Warranty

The Aeitto 12 Volt Car Refrigerator comes with a **1-year warranty** from the date of purchase, covering manufacturing defects and material faults under normal use. Please retain your proof of purchase for warranty claims.

Customer Support

For any questions, technical assistance, or warranty inquiries, please contact Aeitto customer support. You can typically find contact information on the official Aeitto website or through your purchase platform. Aeitto provides 2-years Tech Support for this product.