advwin RU203

advwin 12 Volt Car Refrigerator 31 Quart (30L) Electric Cooler/Warmer User Manual

Model: RU203

Introduction

This manual provides essential information for the safe and efficient operation of your advwin 12 Volt Car Refrigerator 31 Quart (30L) Electric Cooler/Warmer. Please read these instructions thoroughly before first use and retain them for future reference. This appliance is designed to keep food and beverages cool or warm, making it suitable for various outdoor activities, travel, and home use.



The advwin 30L Car Refrigerator, with its lid open, displaying various beverages and fresh produce stored within. The control panel and power inputs are visible on the side.

Safety Information

- Ensure the power supply matches the voltage specified on the appliance.
- Do not immerse the appliance in water or other liquids.
- Keep ventilation openings clear of obstructions.
- Do not use the appliance if the power cord or plug is damaged.
- Avoid placing hot items directly into the cooler/warmer when operating in cooling mode, or cold items when operating in warming mode, as this can reduce efficiency.
- 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.

- Unplug the appliance from the power source before cleaning or maintenance.

Package Contents

Verify that all items are present in the package:

- 1 x advwin Car Refrigerator
- 1 x AC Power Cord (for home use)
- 1 x DC Power Cord (for car use)
- 1 x User Manual



The advwin Car Refrigerator and its included AC and DC power cords.

Product Overview

The advwin 12 Volt Car Refrigerator is a versatile appliance designed for both cooling and warming functions, suitable for various environments.

Key Features:

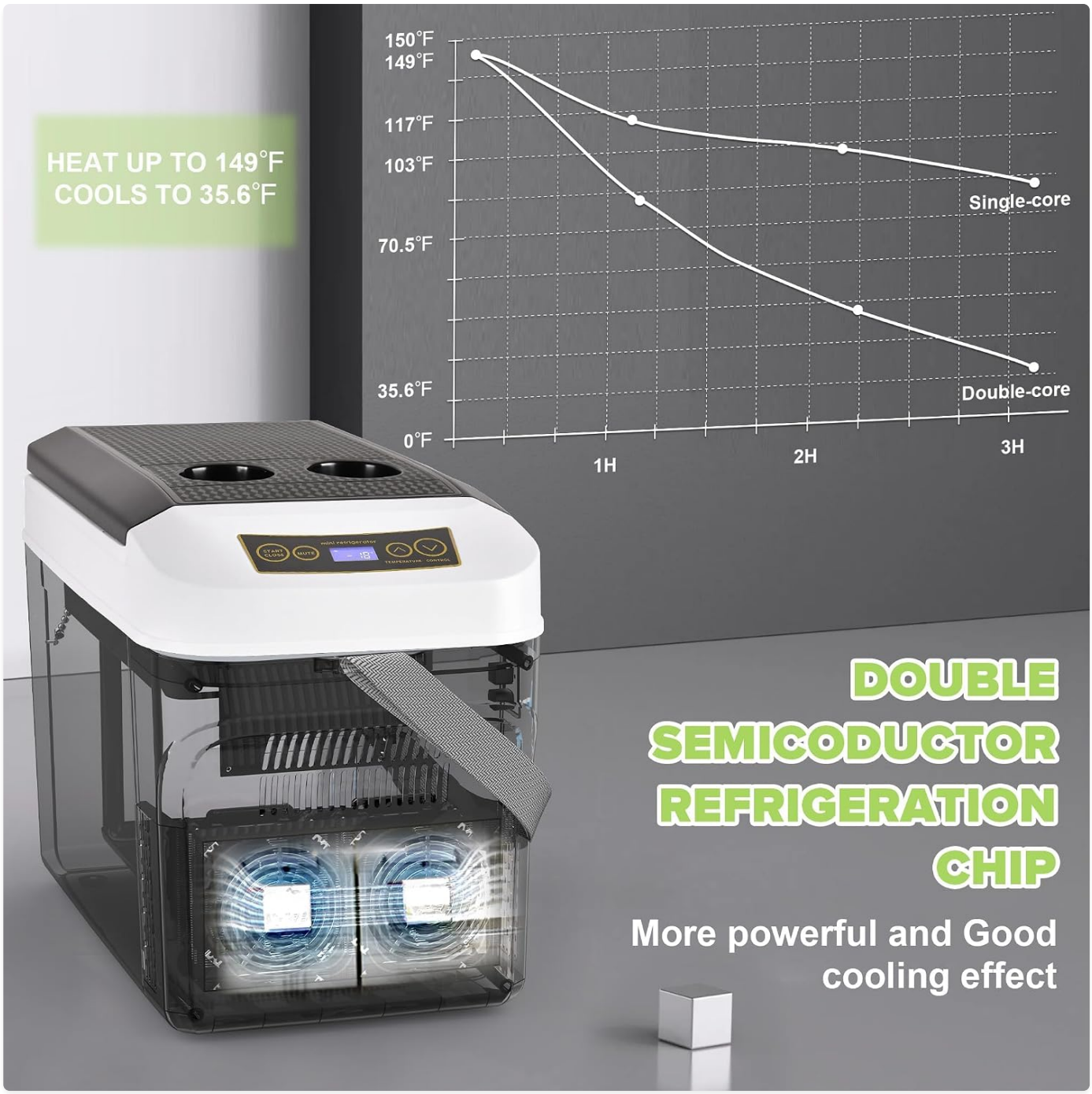
- **Dual-Semiconductor Technology:** Provides reliable cooling and warming.
- **Temperature Range:** Cools to 35°F (approximately 1.7°C) and warms to 149°F (approximately 65°C).
- **Large Capacity:** 31 Quart (30L) storage, capable of holding approximately 36-38 cans.
- **Digital LED Display:** Allows for precise temperature control (16-149°F).
- **Dual Power Adapters:** Includes 120V AC for home use and 12V DC for vehicle use.
- **Energy-Saving & Low Noise:** Thermoelectric cooling system operates quietly at approximately 42 decibels.
- **Portable Design:** Easy to move and carry for various applications.



A detailed view of the advwin 30L Car Refrigerator's control panel, featuring digital display and temperature controls. The internal double cooling fans are also highlighted.



An illustrative image highlighting the advwin 30L Car Refrigerator's features such as 31-quart capacity, two thermoelectric cooling fans, rapid cooling, and inclusion of both AC and DC power cables.



An internal diagram of the advwin 30L Car Refrigerator, emphasizing the double semiconductor refrigeration chip, which provides more powerful and efficient cooling and warming effects.



An illustration demonstrating the 30L capacity of the advwin car refrigerator, showing it can hold approximately 34 cans of 350ml cola, 22 bottles of 550ml water, 12 bottles of 750ml red wine, or 6 bottles of 2L cola.

Setup

Power Connection:

1. **For Home Use (AC 120V):** Connect the AC power cord to the appliance's AC input port. Plug the other end into a standard 120V wall outlet.
2. **For Car Use (DC 12V):** Connect the DC power cord to the appliance's DC input port. Plug the other end into your vehicle's 12V cigarette lighter socket.

Ensure the power source is stable and matches the required voltage to prevent damage to the unit.



A collage of images depicting the versatile use of the advwin 30L Car Refrigerator in different settings: inside a car, during a camping trip, in an RV, and on a boat, highlighting its portability and adaptability.

Operating Instructions

1. Power On/Off:

- Press the 'START/CLOSE' button on the control panel to turn the unit on or off.

2. Selecting Cooling/Warming Mode:

- The unit automatically defaults to cooling mode. To switch to warming mode, refer to the specific instructions on the control panel or consult the digital display.

3. Temperature Adjustment:

- Use the 'UP' and 'DOWN' arrow buttons on the control panel to set your desired temperature. The digital LED display will show the current and target temperatures.
- For cooling, the temperature can be set down to 35°F (1.7°C).
- For warming, the temperature can be set up to 149°F (65°C).

4. Mute Function:

- Press the 'MUTE' button to silence operational sounds, if available.

For optimal cooling, pre-chill items before placing them in the refrigerator. For warming, pre-heat items for best results.



A visual representation of the advwin 30L Car Refrigerator's temperature capabilities, illustrating its cooling range of 35-50°F for fresh items and warming range of 122-149°F for hot food.

Maintenance

Cleaning:

- Always unplug the unit before cleaning.
- Wipe the interior and exterior surfaces with a damp cloth and mild detergent.
- Do not use abrasive cleaners or harsh chemicals.
- Ensure the unit is completely dry before reconnecting to power.

Storage:

- When not in use for extended periods, clean the unit thoroughly.
- Store the unit in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.
- Leave the lid slightly ajar to prevent odors and mildew.

Troubleshooting

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; loose connection; damaged cord/adapter.	Check power source and connections. Ensure cord/adapter is not damaged. Try a different outlet.
Insufficient cooling/warming.	Ventilation blocked; ambient temperature too high/low; door not sealed properly; too many items inside.	Ensure vents are clear. Operate in a suitable ambient temperature. Check door seal. Do not overfill. Pre-chill/pre-heat items.
Unusual noise.	Unit not on a flat surface; internal components vibrating.	Place the unit on a stable, flat surface. If noise persists and is excessive, contact support.
Digital display not working.	Power issue; display malfunction.	Check power connection. If unit is powered but display is off, contact support.

Specifications

Specification	Detail
Brand	advwin
Model Number	RU203
Capacity	30 Liters (31 Quart)
Item Weight	24.3 pounds
Product Dimensions	11.5 x 20 x 16.1 inches (D x W x H)
Voltage	12 Volts (DC), 120 Volts (AC)
Annual Energy Consumption	75 Watts
Defrost System	Manual

Specification	Detail
Form Factor	Compact, Freezer Less, Single Door, Portable
Material	ABS

Warranty and Support

For warranty information and customer support, please refer to the documentation included with your purchase or contact advwin customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

For further assistance or inquiries, please visit the official advwin website or contact their customer support channels.

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