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› [COSTWAY Portable Car Refrigerator \(32-Quart\) - Instruction Manual](#)

COSTWAY AX10013US

COSTWAY Portable Car Refrigerator (32-Quart)

Model: AX10013US

IMPORTANT SAFETY INSTRUCTIONS

Please read all instructions carefully before using this appliance. Retain this manual for future reference.

- Ensure the power supply voltage matches the specifications of the refrigerator.
- Do not operate the appliance with a damaged cord or plug. If damaged, contact customer service.
- Keep ventilation openings clear of obstructions. Ensure adequate airflow around the unit.
- Do not use electrical appliances inside the food storage compartments unless they are of the type recommended by the manufacturer.
- Avoid placing the refrigerator in direct sunlight or near heat sources.
- Do not immerse the appliance in water or other liquids.
- 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.
- Disconnect the power supply before cleaning or performing maintenance.
- The refrigerator contains flammable refrigerant. Dispose of the appliance according to local regulations.

PRODUCT OVERVIEW

The COSTWAY Portable Car Refrigerator is designed to keep your food and beverages chilled or frozen, suitable for various environments including camping, RV travel, fishing, and home use. It features dual power capabilities (12/24V DC and 100-240V AC) and an adjustable temperature range.

Key Features

- Adjustable temperature range: -4°F to 68°F (-20°C to 20°C)
- Fast cooling (HH mode) and energy-saving (ECO mode) options
- Dual power input: 12/24V DC and 100-240V AC

- Removable divider for organized storage
- Built-in LED light for visibility
- 3-level battery protection for vehicle battery safety
- Quiet operation ($\leq 45\text{dB}$)
- 35° anti-tilt function for stable operation
- ETL certified for safety



Figure 1: Internal and External Features. This image illustrates the convenient features of the refrigerator, including cup holders on the lid, a secure door latch, recessed side handles for lifting, an internal LED light for visibility, a bottom drain plug for easy cleaning, and anti-slip silicone mats for stability.

32QT Large Capacity



40 Cans
330ML Cola



Figure 2: Dimensions and Capacity. The diagram shows the overall dimensions of the 32-quart refrigerator (15.5" x 24" x 16.5") and indicates its capacity to hold approximately 40 cans of 330ml cola. Internal compartment dimensions are also shown for reference.

Included Components

The package includes the following items:

- 1 x Car Refrigerator
- 1 x DC Power Cord (7.8 ft / 239 cm)
- 1 x AC Power Cord (4.8 ft / 145 cm)
- 1 x Instruction Manual

SETUP

Unpacking

1. Carefully remove the refrigerator from its packaging.

2. Remove all packing materials, including any protective films or tapes.
3. Inspect the unit for any signs of damage. If damage is found, do not operate and contact customer service.

Placement and Ventilation

- Place the refrigerator on a flat, stable surface.
- Ensure there is at least 4 inches (10 cm) of space around all sides of the unit for proper ventilation.
- Avoid placing the unit in direct sunlight or near heat sources like stoves or heaters.
- The 35° anti-tilt function allows for stable operation even on uneven surfaces, making it suitable for vehicle use.

Power Connection

The refrigerator can be powered by two types of power cords:



Figure 3: Usage Scenarios and Power Options. This image demonstrates the versatility of the refrigerator, showing it being used in a home kitchen, a car/RV, and a camping setup. It also highlights the included 12/24V DC and 100-240V AC power cords, indicating its adaptability to different power sources.

1. **DC Power (12/24V):** Connect the DC power cord to the refrigerator's DC input port and then to your vehicle's 12V or 24V cigarette lighter socket.
2. **AC Power (100-240V):** Connect the AC power cord to the refrigerator's AC input port and then to a standard 100-240V AC home outlet.
3. Ensure the power cord is securely connected to both the refrigerator and the power source.

OPERATING INSTRUCTIONS

Control Panel Overview



Figure 4: Control Panel Details. This image provides a detailed view of the touch control panel and LCD display. It shows buttons for temperature adjustment (+/-), ECO/HH mode selection, power on/off, and a Celsius/Fahrenheit switch, allowing for effortless operation.

The refrigerator features an intuitive touch control panel and an LCD display for easy operation.

- **Power Button:** Press to turn the unit ON or OFF.
- **SET Button:** Press to enter temperature setting mode or switch between Celsius (°C) and Fahrenheit

(°F).

- **+/- Buttons:** Use to adjust the desired temperature.
- **HH/ECO Button:** Press to switch between HH (Fast Cooling) and ECO (Energy Saving) modes.

Powering On/Off

1. Connect the appropriate power cord (DC or AC) to the refrigerator and a power source.
2. Press the **Power Button** on the control panel to turn the refrigerator ON. The LCD display will illuminate.
3. To turn OFF, press and hold the **Power Button** for a few seconds.

Temperature Adjustment

32QT Car Refrigerator
Adjustable Temperature Range: -4°F~68°F

Removable Divider

ECO Mode
54W
Energy Saving

HH Mode
66W
Fast Cooling

Drinks Fruits Vegetables Meat Seafood

Figure 5: Temperature Control and Modes. This image illustrates the adjustable temperature range of the refrigerator, from -4°F to 68°F. It also highlights the two operational modes: ECO mode for energy saving (54W) and HH mode for fast cooling (66W), along with the removable divider for organizing contents.

1. With the refrigerator ON, press the **SET Button** once. The temperature display will flash.
2. Use the **+** or **-** buttons to set your desired temperature between -4°F and 68°F (-20°C and 20°C).
3. Press the **SET Button** again or wait a few seconds for the setting to be saved.

4. To switch between Celsius (°C) and Fahrenheit (°F), press and hold the **SET Button** for 3 seconds.

ECO and HH Modes

The refrigerator offers two operating modes:

- **ECO Mode (Energy Saving):** This mode consumes less power (42W) and is ideal for maintaining temperature over longer periods, conserving energy.
- **HH Mode (Fast Cooling):** This mode provides maximum cooling power (60W) for rapid temperature reduction, cooling down to 0°C/32°F in approximately 15-20 minutes.
- To switch between modes, press the **HH/ECO Button**. The selected mode will be indicated on the LCD display.

Battery Protection Settings

The refrigerator includes a 3-level battery protection system to prevent your vehicle's battery from being drained. This feature is particularly useful when using DC power.

- The battery protection level can typically be adjusted via the control panel (refer to specific instructions on the display or a dedicated button if available, otherwise it's automatic).
- Higher settings provide more protection for your vehicle battery but may cause the refrigerator to shut off sooner. Lower settings allow the refrigerator to run longer but offer less battery protection.

Removable Divider

The internal removable divider allows for flexible organization of items within the refrigerator, separating different types of food or drinks as needed.

Quiet Operation



Quiet Operation

Resting at night in the wilderness
without being disturbed

Figure 6: Quiet Operation. This image highlights the low noise level of the refrigerator, operating at approximately 45dB. This ensures a peaceful environment, whether in a vehicle or a tent, without disturbing sleep or conversation. The refrigerator operates with minimal noise, typically $\leq 45\text{dB}$, ensuring a quiet environment during use.

MAINTENANCE

Cleaning

1. Always disconnect the power supply before cleaning.
2. Wipe the interior and exterior surfaces with a damp cloth and a mild detergent.
3. Do not use abrasive cleaners, harsh chemicals, or sharp objects, as these can damage the surfaces.
4. For thorough cleaning, the bottom drain plug can be opened to easily drain any condensate water.
5. Ensure all surfaces are dry before reconnecting power.

Storage

- If storing the refrigerator for an extended period, ensure it is clean and dry.

- Leave the lid slightly ajar to prevent odors and mold growth.
- Store in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

If you encounter issues with your refrigerator, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Refrigerator does not turn on.	No power supply; Damaged power cord; Blown fuse in vehicle.	Check power connections; Try a different power outlet/socket; Inspect power cord for damage; Check vehicle fuse.
Refrigerator is not cooling effectively.	Temperature setting too high; Poor ventilation; Overloaded with warm items; Door not sealed properly.	Lower the temperature setting; Ensure adequate space around unit; Allow warm items to cool before placing inside; Check door seal and latch.
Display shows an error code.	Internal fault; Sensor issue.	Turn off the unit, wait a few minutes, then restart. If error persists, contact customer service.
Excessive noise during operation.	Unit not level; Fan obstruction.	Ensure unit is on a flat surface; Check for any obstructions around the fan vents.

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

SPECIFICATIONS

Feature	Specification
Model Number	AX10013US
Capacity	32 Quarts (approx. 30 Liters)
Input Voltage	12/24V DC & 100-240V AC
Power (ECO mode)	42W
Power (HH mode)	60W
Adjustable Temperature Range	-4°F to 68°F (-20°C to 20°C)
Noise Level	≤45dB
Product Dimensions (L x W x H)	23" x 14.5" x 14" (59 cm x 37 cm x 35 cm)
Net Weight	23 lbs (10.5 kg)

Feature	Specification
DC Power Cord Length	7.8 ft (239 cm)
AC Power Cord Length	4.8 ft (145 cm)
Material	PP, HDPE

Note: Specifications are subject to change without notice for product improvement.

WARRANTY AND SUPPORT

This COSTWAY Portable Car Refrigerator is covered by a manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms and conditions, including warranty duration and coverage details.

For technical support, troubleshooting assistance, or warranty claims, please contact COSTWAY customer service. Contact information can typically be found on the product packaging, the official COSTWAY website, or your purchase receipt.

When contacting support, please have your model number (AX10013US) and purchase date readily available.