Enventor 4L

Enventor 4L Portable Mini Refrigerator User Manual

Introduction

Thank you for purchasing the Enventor 4L Portable Mini Refrigerator. This appliance is designed for both cooling and warming, offering versatility for various uses, including home, office, car, and travel. Please read this manual thoroughly before use to ensure proper operation and maintenance.



Figure 1: Enventor 4L Portable Mini Refrigerator (White)

Product Features

- **Compact Capacity:** 4-liter internal volume, capable of holding up to 6 standard 330ml beverage cans. Internal dimensions are 20.6 cm (H) x 14 cm (L) x 14.2 cm (D).
- **Dual Functionality:** Offers both cooling and warming modes. Cools to 18-20°C below ambient temperature and warms to 55±5°C.
- **Versatile Power Options:** Includes AC 220V power cord for standard wall outlets and a DC 12V power cord for car cigarette lighter sockets.
- **Portable Design:** Lightweight with an ergonomic carrying handle for easy transport, ideal for various settings.

- **Eco-Friendly:** Utilizes advanced thermoelectric semiconductor chip technology, 100% freon-free.
- **Removable Shelf:** Features one removable shelf for flexible storage of items like snacks, drinks, breast milk, or beauty/skincare products.



Figure 2: Dual Cooling and Warming Capabilities



Figure 3: Product Dimensions and Internal Capacity



Figure 4: Removable internal shelf for flexible storage.



Figure 5: Interior view showing storage for cosmetics.

Safety Instructions

To ensure safe operation and prevent damage, please observe the following safety guidelines:

- Do not block the ventilation openings on the appliance.
- Do not use electrical appliances inside the storage compartments unless they are of the type recommended by the manufacturer.
- Do not immerse the appliance in water or other liquids.
- Keep the appliance away from direct sunlight and heat sources.
- Ensure the power cord is securely connected and not damaged.
- Unplug the appliance before cleaning or if it will not be used for an extended period.
- 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.

Setup

1. **Unpacking:** Carefully remove the mini refrigerator from its packaging. Retain packaging materials for future transport or storage.
2. **Placement:** Place the appliance on a flat, stable surface. Ensure adequate ventilation around the unit, especially at the rear and sides where air vents are located. Avoid placing it near heat sources or in direct sunlight.
3. **Power Connection:**
    - **For Home/Office (AC 220V):** Connect the AC power cord to the AC input port on the back of the refrigerator, then plug the other end into a standard 220V wall outlet.
    - **For Car (DC 12V):** Connect the DC power cord to the DC input port on the back of the refrigerator, then plug the other end into your vehicle's 12V cigarette lighter socket.



Figure 6: Power input ports (AC and DC) and mode switch.



Figure 7: Connecting to AC (220V) and DC (12V) power sources.

Operating Instructions

1. **Power On:** Once connected to a power source, locate the switch on the back of the unit.

2. **Select Mode:**
    - Set the switch to **"COOL"** for cooling items. The indicator light will illuminate green.
    - Set the switch to **"HEAT"** for warming items. The indicator light will illuminate red.
    - Set the switch to **"OFF"** to turn off the appliance.
3. **Loading Items:** Open the door and place items inside. For optimal performance, pre-chill or pre-warm items before placing them in the refrigerator. Avoid overloading the unit.
4. **Temperature Notes:**
    - **Cooling Mode:** The minimum temperature achieved depends on the ambient temperature. It cools to 18-20°C below the surrounding temperature.
    - **Warming Mode:** This mode is designed to maintain the temperature of pre-warmed items at approximately 55±5°C, not to heat cold items from scratch.



Figure 8: Examples of items for cooling and warming.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your mini refrigerator.

- **Cleaning:**
    - Always unplug the appliance before cleaning.
    - Wipe the interior and exterior surfaces with a soft, damp cloth and mild detergent.
    - Do not use abrasive cleaners or harsh chemicals.
    - Ensure all surfaces are dry before plugging the unit back in.
- **Condensation:** Due to the thermoelectric cooling method, condensation may occur inside the unit. Wipe away any moisture regularly to prevent accumulation.
- **Ventilation:** Periodically check that the air vents on the back and sides are clear of dust and debris. Use a soft brush or vacuum cleaner to gently clean them.
- **Storage:** If storing the unit for an extended period, ensure it is clean, dry, and unplugged. Store in a cool, dry place.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Appliance does not power on.	No power supply; power cord not connected; switch in "OFF" position.	Check power outlet/car socket; ensure power cord is securely connected; set switch to "COOL" or "HEAT".
Insufficient cooling/warming.	Blocked vents; ambient temperature too high/low; door not closed properly; unit overloaded.	Clear vents; ensure proper ventilation; check door seal; reduce contents; pre-chill/pre-warm items.
Excessive noise.	Fan obstruction; unit not on a stable surface.	Check for obstructions around the fan; place on a flat, stable surface.
Condensation inside.	Normal operation, especially in humid environments.	Wipe away moisture regularly with a soft cloth.

Specifications

Feature	Detail
Model Number	TJ-4L-W
Capacity	4 Liters
External Dimensions (L x W x H)	28.5 x 22.5 x 28.5 cm
Weight	2.37 kg
Cooling Temperature	18-20°C below ambient
Warming Temperature	55±5°C
Voltage	AC 220V, DC 12V
Cooling Method	Thermoelectric
Number of Shelves	1 (removable)
Power Source	Electric Cable
Energy Efficiency	Energy Star compliant

Warranty and Support

The Enventor 4L Portable Mini Refrigerator comes with a**12-month warranty** from the date of purchase.
Enventor is committed to providing satisfactory customer service. If you encounter any issues or have questions regarding the use, maintenance, or troubleshooting of your product, please contact our customer support team. We aim to respond to all inquiries within 24 hours.
For support, please refer to the contact information provided on the product packaging or the official Enventor website.

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