

## Wagan EL6224

# Wagan EL6224 12V Personal Thermoelectric Cooler/Warmer Instruction Manual

## 1. INTRODUCTION

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Thank you for choosing the Wagan EL6224 12V Personal Thermoelectric Cooler/Warmer. This versatile appliance is designed to keep your food and beverages either cool or warm, making it ideal for car trips, RVs, camping, picnics, and other outdoor activities. With a 24-liter capacity, it offers ample space for your essentials. Please read this manual thoroughly before operation to ensure safe and efficient use.

## 2. PRODUCT FEATURES

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- **Dual Functionality:** Operates as both a cooler and a warmer.
- **Cooling Performance:** Cools contents to approximately 36°F (20°C) below ambient temperature.
- **Warming Performance:** Heats contents up to 140°F (60°C).
- **Generous Capacity:** 24 Liters, capable of holding four 2-liter bottles vertically or up to 27 standard 12oz cans.
- **Power Source:** Designed for 12V DC operation, typically via a vehicle's cigarette lighter socket. An optional AC adapter (Wagan item 9903, sold separately) is available for home or office use.
- **Portability:** Features a heavy-duty folding carry handle for easy transport.
- **Removable Lid:** The lid is easily removable for convenient cleaning.
- **Integrated Cord Storage:** A dedicated compartment on the lid stores the 7.5-foot DC power cord.



Image: Wagan EL6224 Cooler/Warmer highlighting its removable lid, 7.5 ft power cord, folding carry handle, 27 can capacity, and warming/cooling modes.

### 3. SETUP

1. **Unpacking:** Carefully remove the cooler/warmer from its packaging. Retain all packaging materials for future storage or transport.
2. **Power Cord Access:** Locate the cord storage compartment on the lid. Press the 'PUSH' tab to open the compartment and retrieve the 12V DC power cord.
3. **Vehicle Connection:** Insert the 12V DC plug firmly into your vehicle's cigarette lighter socket. Ensure the connection is secure.
4. **Optional AC Connection (Sold Separately):** If using the optional Wagan 9903 AC adapter for home or office use, connect the adapter to a standard 120V AC wall outlet, then connect the cooler/warmer's 12V DC plug to the adapter's output.
5. **Placement:** Place the unit in a stable location, ensuring that the ventilation grilles on the lid are not obstructed. Adequate airflow is crucial for optimal performance.



Image: Close-up view of the cord storage compartment on the Wagan EL6224, showing the 12V DC plug neatly stored.



Image: The Wagan EL6224 cooler/warmer plugged into a vehicle's 12V DC outlet, positioned on the passenger seat floor.

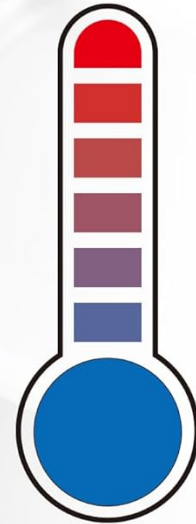
## 4. OPERATING INSTRUCTIONS

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1. **Power On/Off and Mode Selection:** Open the small flap on the lid to access the control switch. This switch allows you to select between COOL, OFF, and HEAT modes.
2. **Cooling Mode:** Slide the switch to the 'COOL' (snowflake icon) position. A green indicator light will illuminate, and the internal fan will begin to operate. For best cooling results, pre-chill items before placing them in the unit. The unit will cool to approximately 36°F (20°C) below the ambient temperature.
3. **Warming Mode:** Slide the switch to the 'HEAT' (steam icon) position. A red indicator light will illuminate, and the internal fan will begin to operate. The unit will heat contents up to 140°F (60°C).
4. **Power Off:** Slide the switch to the 'OFF' (circle with line) position to turn off the unit.
5. **Important Note:** Avoid switching directly from COOL to HEAT or vice-versa without an 'OFF' period in between. Allow the unit to rest in the OFF position for at least 30 minutes when changing modes to prevent damage to the thermoelectric module.

# WARMING & COOLING

**HEATS UP  
TO 140°F**



**COOLS  
TO 40°F**



Image: Close-up of the control panel on the Wagan EL6224, showing the switch for cooling, off, and warming modes, along with indicator lights.

Video: An official product video demonstrating the features and operation of the Wagan EL6224 24 Liter Electric Car Cooler and Warmer, including its cooling and warming capabilities and portability.

## 5. MAINTENANCE

- **Cleaning:** The removable lid allows for easy cleaning of the interior. Disconnect the unit from power before cleaning. Use a damp cloth and mild detergent to wipe down the interior and exterior surfaces. Do not immerse the unit in water.
- **Ventilation:** Regularly check that the ventilation grilles on the lid are free from dust, debris, or obstructions. Blocked vents can impair performance and potentially damage the unit.
- **Cord Storage:** When not in use, neatly store the power cord in its designated compartment to prevent damage.



Image: The Wagan EL6224 cooler/warmer with its lid detached, demonstrating the ease of removal for cleaning purposes.

## 6. TROUBLESHOOTING

- **Unit Not Cooling/Warming:**

- Ensure the power cord is securely plugged into both the unit and the 12V DC socket (or AC adapter).
- Check the vehicle's fuse for the cigarette lighter socket.
- Verify the mode switch is correctly set to 'COOL' or 'HEAT'.
- Ensure ventilation grilles are not obstructed.

- **Insufficient Cooling/Warming:**

- The unit's performance is affected by ambient temperature. In very hot environments, cooling may be less pronounced.
- Pre-chill or pre-heat items before placing them in the unit for better results.
- Avoid frequent opening of the lid to maintain internal temperature.

- **Internal Freezing (in cooling mode):** If operating in a very cool ambient environment, the internal temperature might drop significantly, potentially causing some items to freeze. This unit does not have a thermostat to prevent freezing.

- **Switch Malfunction:** Some users have reported issues with the mode switch over time. Consider purchasing an extended warranty if available.

## 7. SPECIFICATIONS

Feature	Specification
Product Dimensions (D x W x H)	11" x 17" x 15"
Capacity	24 Liters (approx. 27 cans)
Item Weight	4.4 Kilograms
Voltage	12 Volts DC
Annual Energy Consumption	40 Watts

Cooling Method	Thermoelectric
Cooling Performance	36°F / 20°C below ambient temperature
Heating Performance	Heats up to 140°F (60°C)
Cord Length	7.5 feet
Insulation	Polyurethane Foam
Material	Plastic
Model Number	EL6224
UPC	084367062246

## 8. WARRANTY & SUPPORT

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The Wagan EL6224 12V Personal Thermoelectric Cooler/Warmer comes with a **1-year Limited Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For warranty claims, technical support, or inquiries, please refer to the contact information provided in your product packaging or visit the official Wagan website.

For additional information and support, you may visit the [Wagan Store on Amazon](#).