

KROAK B0CXY23WF7

KROAK 28L Compressor Cooler Box User Manual

Model: B0CXY23WF7

1. IMPORTANT SAFETY INFORMATION

Please read all safety warnings and instructions carefully before using this appliance to prevent injury or damage. Keep this manual for future reference.

- **Electrical Safety:** Do not operate the cooler box with a damaged power cord or plug. Ensure the power source matches the appliance's requirements (12V/24V DC or 100-240V AC).
- **Ventilation:** Ensure adequate ventilation around the cooler box. Do not block ventilation openings. Maintain at least 10 cm clearance on all sides.
- **Flammable Materials:** Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- **Water Exposure:** Do not expose the cooler box to rain or excessive moisture. Do not immerse it in water.
- **Children:** 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.
- **Cleaning:** Always disconnect the power supply before cleaning.

2. SETUP AND INITIAL USE

Follow these steps for proper setup and first-time operation of your KROAK cooler box.

2.1 Unpacking

Carefully remove the cooler box from its packaging. Inspect for any damage during transit. Retain the packaging for future transport or storage.

2.2 Placement and Ventilation

Place the cooler box on a flat, stable surface. Ensure there is sufficient space around the unit for proper air circulation. Avoid placing it in direct sunlight or near heat sources.



Figure 2.1: The KROAK 28L Compressor Cooler Box, showcasing its compact design and capacity for various beverages.

2.3 Power Connection

The cooler box supports both DC (12V/24V) and AC (100-240V) power inputs.

- **DC Power (Car/Truck/RV):** Connect the DC power cable to the cooler box's DC input port and then to your vehicle's 12V or 24V power outlet (cigarette lighter socket).
- **AC Power (Home/Camping):** Connect the AC power adapter to the cooler box's AC input port and then to a standard 100-240V AC wall outlet.



Figure 2.2: Illustration of the versatile power supply options, including solar panel/power station, DC 12V/24V, and AC 100-240V, allowing use in various environments.

Important: Before first use, it is recommended to leave the cooler box standing upright for at least 12 hours after transport to allow the refrigerant to settle.

3. OPERATING INSTRUCTIONS

This section details how to operate your KROAK cooler box using its digital control panel.

3.1 Control Panel Overview

The cooler box features a touch-sensitive LCD display for easy control.

Use Anytime Anywhere

Multiple Methods for Power Supply



Figure 3.1: The touchable large digital display and its corresponding button functions: Mode, Induction Lighting/Child Lock, Temp Up, Temp Down, ON/OFF, and Set Key.

M (Mode) Button: Switches between MAX and ECO cooling modes.

Light/Lock Button: Activates the internal LED light or engages/disengages the child lock.

+ (Temperature Up) Button: Increases the target temperature.

- (Temperature Down) Button: Decreases the target temperature.

Power Button: Turns the cooler box ON or OFF.

Set Key: Used for advanced settings, such as battery protection levels.

3.2 Temperature Setting

The cooler box can maintain temperatures from -20°C to 20°C (-4°F to 68°F). Use the **+** and **-** buttons to adjust the desired temperature. The display will show the current internal temperature and the set target temperature.



Figure 3.2: The interior of the cooler box, demonstrating its ability to keep items frozen (e.g., ice cream) and fresh (e.g., fruits) simultaneously within its -20°C to 20°C temperature adjustment range.

3.3 MAX & ECO Modes

- **MAX Mode:** Provides rapid cooling, reaching 0°C in approximately 15 minutes and -20°C within 4 hours (when empty). This mode consumes more power.
- **ECO Mode:** An energy-saving mode that optimizes power consumption, using less than 0.18 kWh per day. Ideal for extended use where rapid cooling is not critical.

The cooler box automatically starts and stops to maintain the set temperature, regardless of the mode selected.

Fast Cooling Meets Instant Demand

Powerful Compressor

Fast Cooling in Short Time

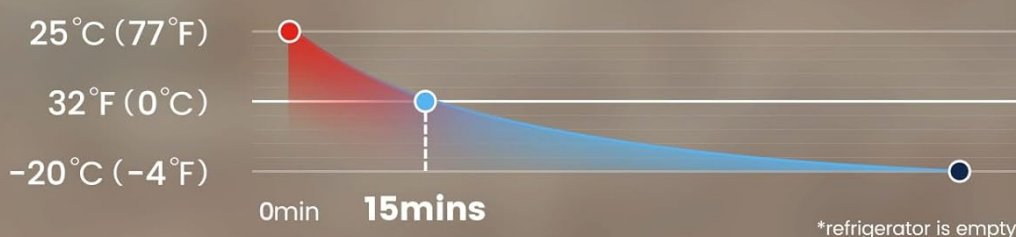


Figure 3.3: A graph demonstrating the fast cooling capability, showing the temperature dropping from 25°C to 0°C in 15 minutes and to -20°C over 4 hours.

3.4 Battery Protection

The KROAK cooler box features three levels of battery protection (L, M, H) to prevent draining your vehicle's battery. You can adjust this setting via the Set Key.

- **L (Low):** Lowest cut-off voltage, allows for maximum use of battery power.
- **M (Medium):** Standard cut-off voltage, suitable for most situations. (Recommended for normal use)
- **H (High):** Highest cut-off voltage, provides maximum battery protection. (Recommended when connected to a car battery)

When the battery voltage drops below the selected cut-off level, the cooler box will automatically shut off to protect the battery.

3.5 Internal LED Light

The cooler box is equipped with an internal LED light for visibility in low-light conditions. Press the Light/Lock button to toggle the light on or off.

3.6 Capacity

The 28L capacity provides ample space for various items. External dimensions are 623 x 378 x 370 mm, and internal dimensions are 351.7 x 286.7 x 297 mm.



Figure 3.4: Detailed view of the cooler box's ample capacity, illustrating how it can hold approximately 50 cans (330ml), 15 bottles (550ml water), or 3 bottles (750ml beer), along with its internal and external dimensions.

4. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your cooler box.

4.1 Cleaning

- **Before Cleaning:** Always disconnect the cooler box from all power sources.
- **Interior:** Clean the interior with a soft cloth dampened with a mild detergent solution. Wipe dry thoroughly. Do not use abrasive cleaners or harsh chemicals.
- **Exterior:** Wipe the exterior with a soft, damp cloth.
- **Ventilation Grilles:** Periodically clean the ventilation grilles to remove dust and debris, ensuring proper

airflow. Use a soft brush or vacuum cleaner.

4.2 Defrosting

If a thick layer of ice forms on the interior walls, defrost the unit. Turn off the cooler box and disconnect it from power. Leave the lid open to allow the ice to melt naturally. Wipe away melted water with a clean cloth. Do not use sharp objects to remove ice.

4.3 Storage

When storing the cooler box 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.

5. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Cooler box does not turn on.	No power supply; loose connection; vehicle battery low (if using DC).	Check power cable connection. Ensure power outlet is functional. Check vehicle battery voltage and adjust battery protection setting (H for car battery).
Cooling performance is poor.	Blocked ventilation; ambient temperature too high; lid not closed properly; too many items inside.	Ensure ventilation openings are clear. Avoid direct sunlight. Close lid tightly. Do not overfill.
Display shows an error code.	Internal fault; sensor issue.	Turn off the unit, disconnect power for a few minutes, then restart. If the error persists, contact customer support.
Excessive noise during operation.	Unit not level; fan obstruction; normal compressor operation.	Ensure the unit is on a flat surface. Check for any obstructions near the fan. A slight hum from the compressor is normal (approx. 45 dB).

If the problem persists after attempting these solutions, please contact KROAK customer support.

6. SPECIFICATIONS

Detailed technical specifications for the KROAK 28L Compressor Cooler Box.

Feature	Specification
Model	B0CXY23WF7
Capacity	28 Liters
External Dimensions (L x W x H)	623 x 378 x 370 mm (24.52 x 14.88 x 14.57 inches)
Internal Dimensions (L x W x H)	351.7 x 286.7 x 297 mm (13.85 x 11.29 x 11.69 inches)
Weight	14.4 kg (31.7 lbs)
Temperature Range	-20°C to 20°C (-4°F to 68°F)
Power Input	DC 12V/24V, AC 100-240V

Feature	Specification
Refrigerant	R-600A
Noise Level	≤45 dB
Special Features	LED Display, Energy Efficient, Touch Control, Digital Temperature Control, Battery Protection (L/M/H)

7. WARRANTY AND SUPPORT

KROAK products are designed for reliability and performance. For warranty information and customer support, please refer to the purchase platform or contact KROAK directly.

Warranty: For details regarding product warranty and return policies, please consult the terms provided at the point of purchase or on the official KROAK website.

Customer Support: If you have any questions, require technical assistance, or need to report an issue, please reach out to KROAK customer service. Contact details can typically be found on the product packaging or the brand's official website.