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> LUKO EF15 Portable Car Refrigerator User Manual

LUKO EF15

LUKO EF15 Portable Car Refrigerator User Manual

Model: EF15 | Brand: LUKO

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your LUKO EF15 Portable Car Refrigerator. Please read these instructions carefully before use and retain them for future reference.

SAFETY INFORMATION

Always ensure the refrigerator is connected to a stable power source. Avoid blocking ventilation openings. Do not immerse the unit in water. Keep out of reach of children. Disconnect power before cleaning or maintenance.

WHAT'S IN THE BOX

- LUKO Car Refrigerator (EF15)
- AC Power Adapter (220V AC universal)
- DC Car Cigarette Lighter Cable (12V/24V)

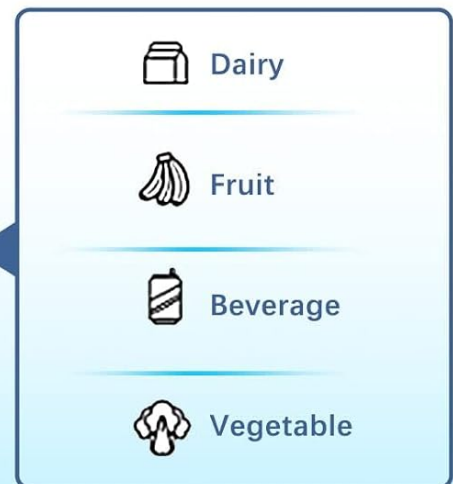
PRODUCT OVERVIEW

The LUKO EF15 is a portable compressor cooler designed for versatile use in vehicles, camping, and travel. It offers efficient cooling and freezing capabilities with a 15-liter capacity.

Key Features:

- **Efficient Compressor Cooling:** Achieves rapid cooling, reaching desired temperatures quickly.
- **Wide Temperature Range:** Adjustable from -4°F to 68°F (-20°C to 20°C) for refrigeration or freezing.
- **Dual Power Modes:** Operates on 12V/24V DC (car cigarette lighter) and 220V AC (home adapter).
- **ECO & MAX Modes:** Energy-saving ECO mode for efficiency, and MAX mode for faster cooling.
- **Low Noise Operation:** Engineered for quiet performance to minimize disturbance.
- **Anti-Vibration Design:** Maintains stable operation even with up to a 30° tilt, suitable for off-road travel.
- **Low Voltage Protection:** Automatically powers off to prevent vehicle battery depletion.

- **15L Capacity:** Spacious interior for storing food and beverages.



Refrigerated & Frozen, Switch at your leisure

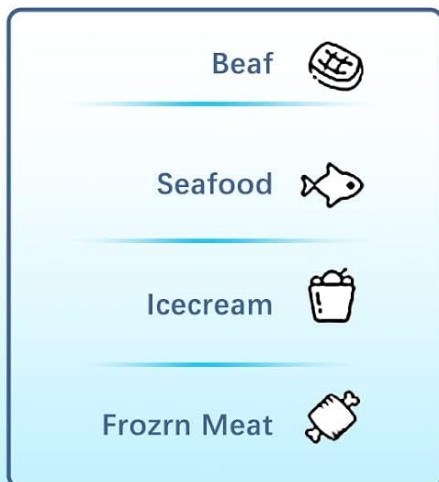


Image: The LUKO EF15 refrigerator showcasing its ability to store both refrigerated items like fruits and vegetables, and frozen items like seafood and ice cream.

Capacity- 16 Quart

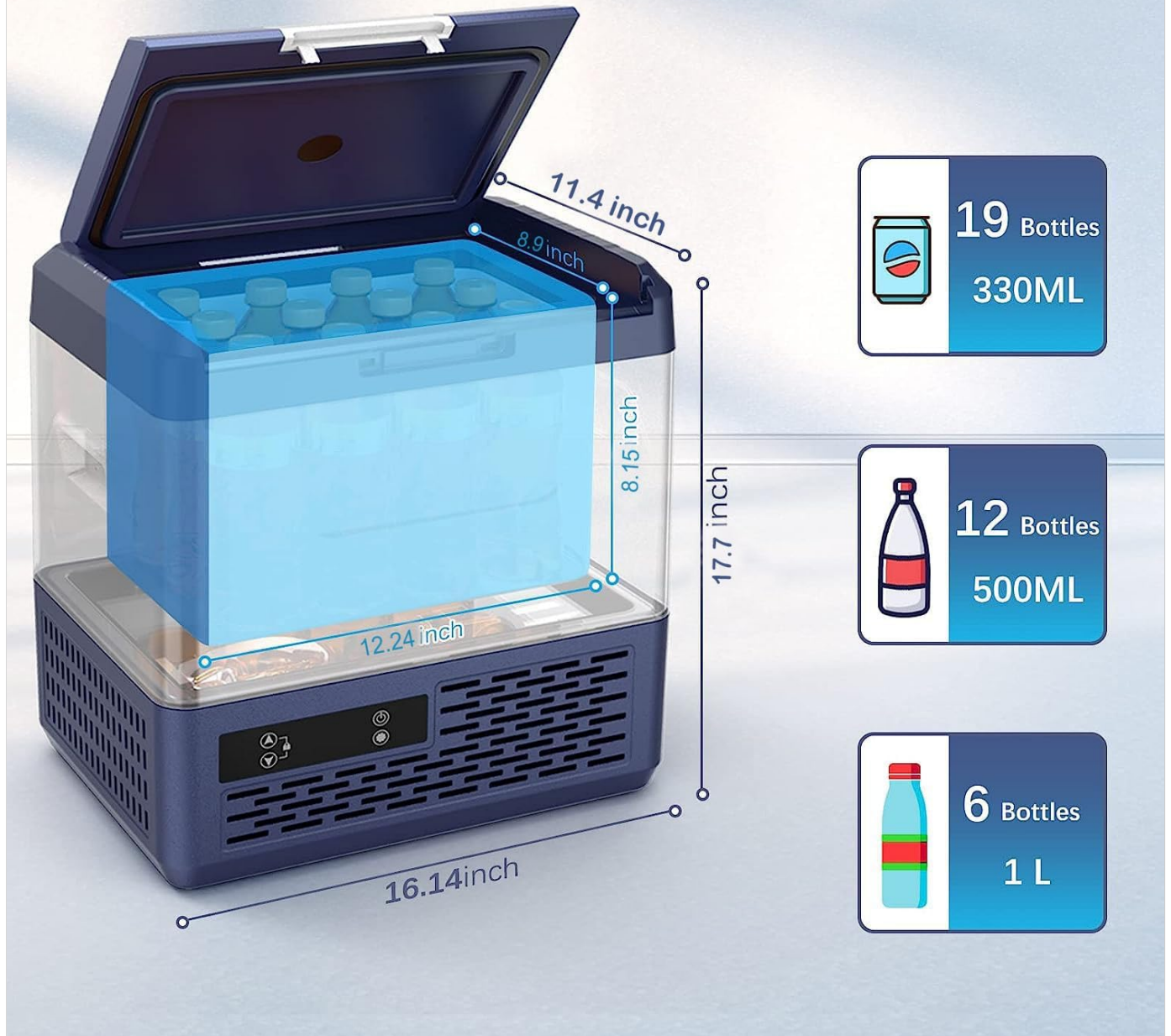


Image: Visual representation of the LUKO EF15's dimensions (16.14 x 11.4 x 17.7 inches) and its 15-liter capacity, illustrating how many bottles of different sizes it can hold.

SETUP

Power Connection:

1. **For Home Use (AC 220V):** Connect the AC power adapter to the refrigerator's AC input port, then plug the adapter into a standard wall outlet.
2. **For Car Use (DC 12V/24V):** Connect the DC car cigarette lighter cable to the refrigerator's DC input port, then plug the other end into your vehicle's cigarette lighter socket.

Ensure the power source matches the refrigerator's voltage requirements to prevent damage.

DUAL POWER MODES

HOME AND CAR(AC/DC)



100V~240V

Insert into home outlets to use



12V~24V

Insert into cigarette lighters to use

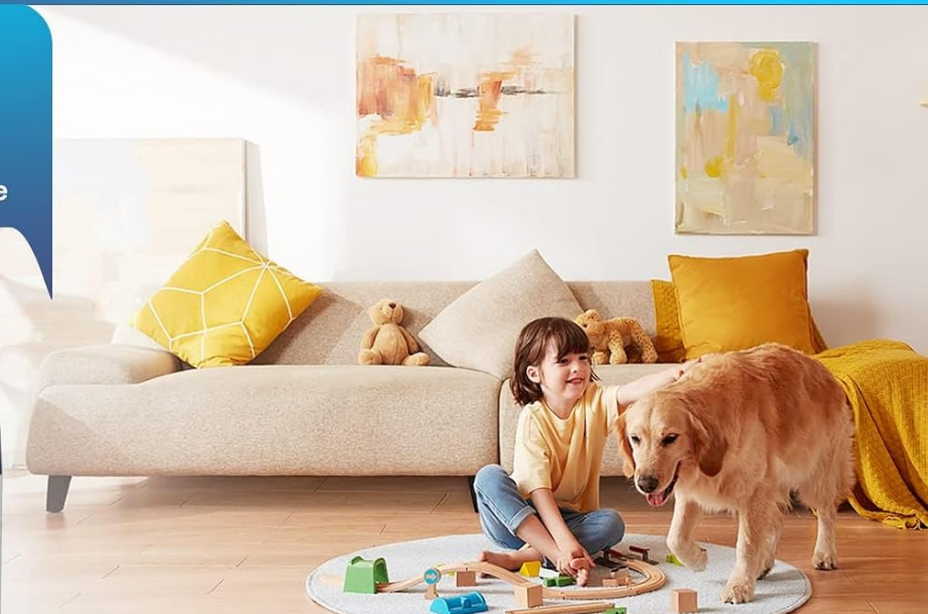


Image: The refrigerator illustrating its compatibility with both 100-240V AC home outlets and 12V-24V DC car cigarette lighters for versatile power options.

OPERATING INSTRUCTIONS

Control Panel:

The control panel features a digital display and buttons for power, settings, and temperature adjustment.

Multifunctional Car Refrigerator



Room Temperature Range: -4°F -68°F

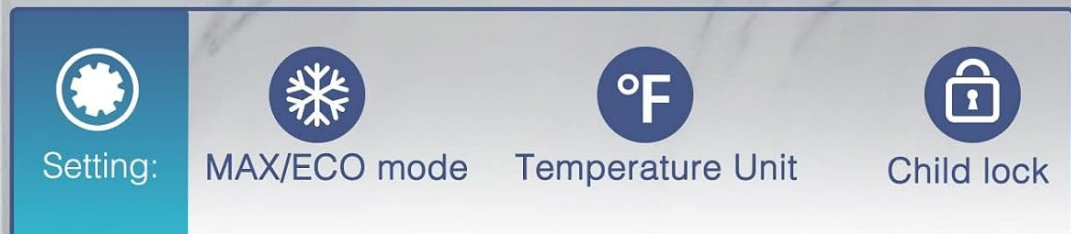


Image: Close-up of the multifunctional control panel, showing buttons for power (ON/OFF), temperature up/down, settings, MAX/ECO mode, temperature unit (°F/°C), and child lock.

Temperature Adjustment:

- Press the "Temp up" or "Temp down" buttons to set your desired temperature between -4°F and 68°F (-20°C and 20°C).
- The display will show the current internal temperature.

Power Modes (ECO/MAX):

- Press the "Setting" button to cycle between ECO (energy-saving) and MAX (fast cooling) modes.
- ECO mode is recommended for prolonged use to conserve energy.
- MAX mode provides quicker cooling when needed.

Low Voltage Protection:

The refrigerator features a 3-stage low voltage protection system (H/M/L) to prevent your vehicle's battery from draining.

You can adjust this setting via the control panel. Refer to the table below for voltage cut-off points:

Battery Protection Level	12V Turn Off (V)	12V Turn On (V)	24V Turn Off (V)	24V Turn On (V)
Low grade - L	8.5V	10.9V	21.3V	22.7V
Medium - M	10.1V	11.4V	22.3V	23.7V
High grade - H	11.1V	12.4V	24.3V	25.7V

Note: The car refrigerator does not contain internal batteries and requires connection to a power source for operation.

Anti-Vibration Feature:

The refrigerator is designed to operate stably even when tilted up to 30 degrees, making it suitable for uneven terrains during travel.

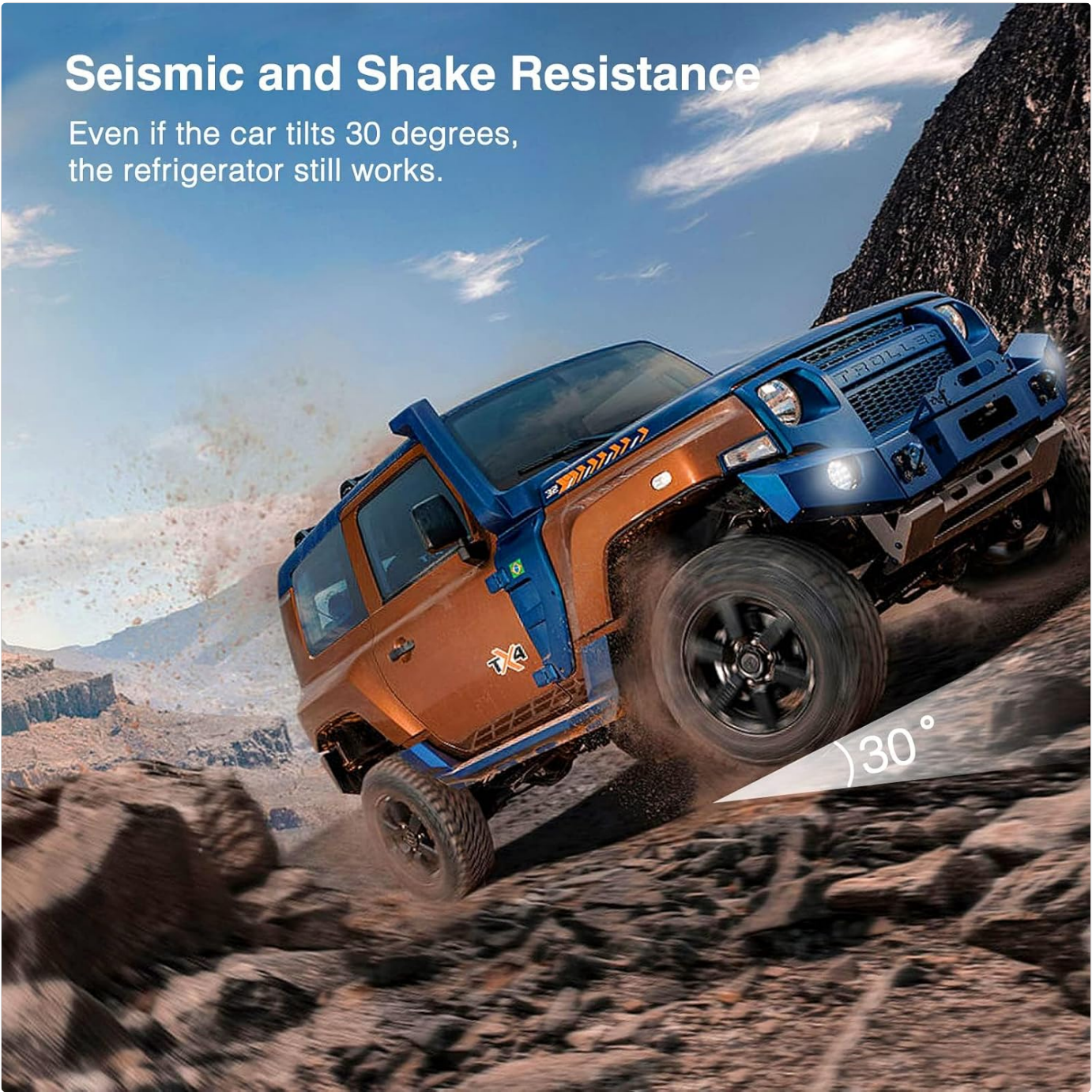


Image: The LUKO EF15 maintaining functionality despite a 30-degree tilt, highlighting its seismic and shake resistance for rugged environments.

MAINTENANCE

- **Cleaning:** Use a soft cloth dampened with mild detergent to clean the interior and exterior. Do not use abrasive cleaners or immerse the unit in water.
- **Defrosting:** The unit features automatic defrost. If ice buildup occurs, manually defrost by unplugging the unit and allowing ice to melt naturally.
- **Storage:** When not in use for extended periods, ensure the refrigerator is clean and dry. Store it in a cool, dry place with the lid slightly ajar to prevent odors.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Refrigerator not cooling	No power supply; Temperature setting too high; Ventilation blocked.	Check power connection; Adjust temperature lower; Clear ventilation openings.
Display shows error code	Specific internal fault.	Refer to the full manual for specific error code meanings or contact customer support.
Excessive noise	Unit not level; Fan obstruction.	Ensure unit is on a flat surface; Check for obstructions around the fan.
Vehicle battery draining	Low voltage protection set too low.	Adjust low voltage protection to a higher setting (e.g., H for High).

SPECIFICATIONS

Feature	Detail
Brand	LUKO
Model Number	EF15
Capacity	15 Liters
Item Weight	25.8 pounds
Product Dimensions	16.14 x 11.4 x 17.7 inches
Annual Energy Consumption	45 Watts
Installation Type	Freestanding
Form Factor	Chest
Color	Blue
Voltage	12 Volts (DC)
Defrost System	Automatic
Door Material Type	Stainless Steel

OFFICIAL PRODUCT VIDEOS

Your browser does not support the video tag.

Video: EKOJUCE Car Refrigerator overview, demonstrating its features and portability. Creator: Seller.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official LUKO website. Please have your model number (EF15) and purchase date ready when contacting support.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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