

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [QNK](#) /
- › [QNK EF15 16QT Portable Car Refrigerator User Manual](#)

QNK EF15

QNK EF15 16QT Portable Car Refrigerator User Manual

Model: EF15

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your QNK EF15 16QT (15L) Portable Car Refrigerator. Please read it thoroughly before first use and retain it for future reference.



Image 1.1: The QNK EF15 portable car refrigerator, showcasing its compact design, control panel, and included accessories like power cords and ice trays. A smartphone displays the app control interface.

2. SAFETY INFORMATION

- Ensure the power supply matches the refrigerator's requirements (12V/24V DC or 100-240V AC).
- Do not operate the refrigerator if the power cord is damaged.
- Keep ventilation openings clear of obstructions.
- Avoid placing the refrigerator in direct sunlight or near heat sources.
- Do not immerse the refrigerator in water.
- 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.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x QNK EF15 Portable Car Refrigerator
- 1 x 11.5-foot 12V/24V DC Cigarette Lighter Cable
- 1 x 6-foot 100-240V AC Adapter
- 1 x User Manual (this document)
- 2 x Ice Cube Trays
- 1 x Ice Scoop



Image 3.1: A visual representation of the accessories included with the QNK EF15 refrigerator, featuring ice cube trays, an ice scoop, a DC power cord, and an AC power cord.

4. PRODUCT OVERVIEW

The QNK EF15 is a versatile 16QT (15L) portable refrigerator/freezer designed for various applications, including camping, truck use, and road trips. It features a high-quality inverter compressor for rapid cooling and can operate as both a refrigerator (32°F to 68°F) and a freezer (-4°F to 32°F).

16QT/15L Portable Car Fridge

Perfect solution for short trips!



30 Cans
330ml Cola



20 Bottles
380ml Water



15 Bottles
550ml Water

Image 4.1: The QNK EF15 refrigerator with its lid open, illustrating its internal capacity and dimensions. Examples of items it can hold, such as 30 cans, 20 small bottles, or 15 large bottles, are shown.

Key Features:

- **Fast Cooling:** Achieves 32°F from 75°F in 10 minutes, and -4°F from 75°F in 25 minutes.
- **Low Power Consumption:** Operates at less than 45W in ECO mode, consuming less than 1 kWh per day in MAX mode.
- **Quiet Operation:** Noise level below 45 dB.
- **Durable Construction:** Made of ABS shell and HDPE refrigeration compartment for impact resistance and insulation.
- **Stable Operation:** Damping design ensures stability on slopes up to 30°.
- **Battery Protection:** Three battery protection modes prevent vehicle battery over-discharge.
- **Child Lock:** Prevents accidental changes to settings.

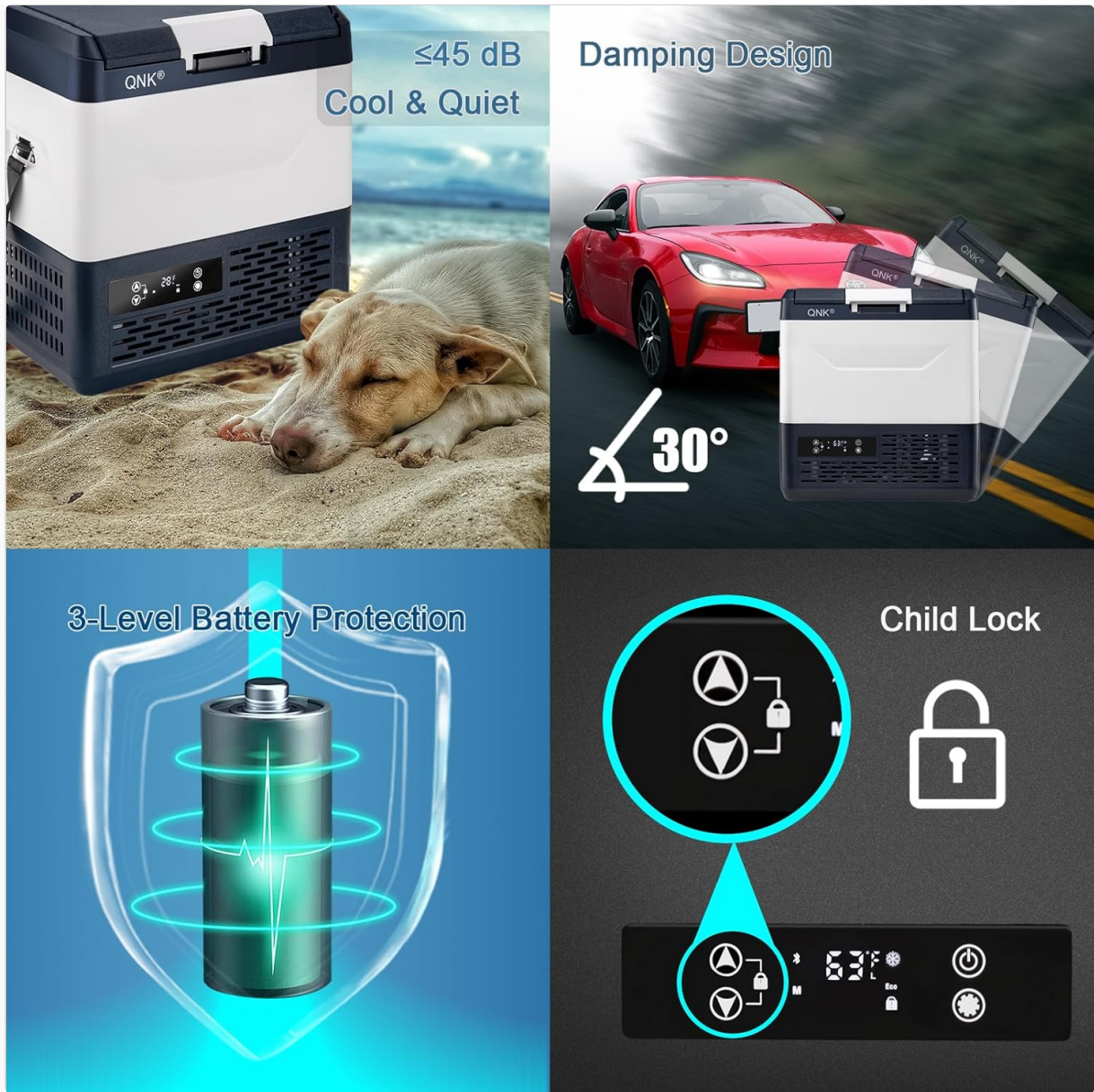


Image 4.2: A collage highlighting key features: quiet operation (less than 45 dB), damping design for stability on inclines, a visual of the 3-level battery protection system, and the child lock function on the control panel.

REFRIGERATOR OR FREEZER

From -4° F to 68° F ❄️



Image 4.3: The QNK EF15 demonstrating its dual functionality as a refrigerator or freezer. Recommended temperature ranges are shown for various food items like seafood, meat, ice cream, vegetables, milk, and fruits.

5. SETUP

5.1 Power Connection

The QNK EF15 supports multiple power sources:

- **DC 12V/24V:** Connect the DC power cord to your vehicle's cigarette lighter socket.
- **AC 100-240V:** Use the AC adapter to connect to a standard household power outlet.
- **Portable Power Station:** Can be powered by a compatible portable power station (not included).

MULTIPLE POWER SUPPLY MODES



Image 5.1: An illustration of the QNK EF15 being powered by various sources, including a car's DC outlet for road trips, a household AC outlet, and a portable power station for camping scenarios.

5.2 Initial Use

Before first use, clean the interior of the refrigerator with a damp cloth. Allow it to air dry completely. Connect to a power source and turn on the unit to begin cooling.

6. OPERATING INSTRUCTIONS

6.1 Control Panel Operation

The control panel allows direct management of the refrigerator's settings.



Image 6.1: A close-up view of the QNK EF15's touch screen control panel, with labels indicating the functions of each button, including Bluetooth connection, ECO mode, child lock, temperature adjustment, battery protection level, and power on/off.

- **Power On/Off:** Press the power button to turn the unit on or off.
- **Temperature Setting:** Use the up/down arrows to adjust the desired temperature. The setting will save automatically after 5 seconds of inactivity.
- **Mode Setting (ECO/MAX):** Press the gear icon to cycle between ECO (energy-saving) and MAX (fast cooling) modes.
- **Battery Protection Setting:** Press the battery icon to adjust the battery protection level (High, Medium, Low) to prevent vehicle battery over-discharge.
- **Child Lock:** Press and hold the lock icon for 3 seconds to lock or unlock the control panel. The panel automatically locks after 20 seconds of inactivity.

Your browser does not support the video tag.

Video 6.1: This video demonstrates how to operate the QNK EF15 refrigerator using its integrated touch panel controls, including powering on, setting temperature, adjusting modes, and using the child lock feature.

6.2 App Control Operation

Control your QNK EF15 refrigerator remotely using the Tuya Smart app.

- **Download App:** Search for "Tuya Smart" in your smartphone's app store and install it.
- **Enable Bluetooth:** Ensure Bluetooth is enabled on your smartphone and grant necessary permissions to the app.
- **Pairing:** Open the Tuya Smart app, click "Add Device." If the Bluetooth icon on the refrigerator's display is not flashing, hold the power button and setting button together for 5 seconds until it flashes, or unplug and replug the refrigerator. The app should discover the "CAR FRIDGE" device. Click "Add" and then "Done."
- **Remote Control:** Once connected, you can adjust temperature, switch between ECO/MAX modes, set battery protection levels, and lock/unlock the control panel directly from the app.

Your browser does not support the video tag.

Video 6.2: This video provides a step-by-step guide on how to connect and control the QNK EF15 refrigerator using the Tuya Smart mobile application, demonstrating temperature adjustments, mode changes, and other settings.

7. MAINTENANCE

7.1 Cleaning

- Always unplug the refrigerator before cleaning.
- Clean the interior and exterior with a damp cloth and mild detergent.
- Do not use abrasive cleaners or sharp objects.
- Ensure the unit is completely dry before reconnecting power.

7.2 Storage

- If storing for an extended period, ensure the refrigerator is clean and dry.
- Leave the lid slightly ajar to prevent odors and mold growth.
- Store in a dry, well-ventilated area.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Refrigerator not turning on	No power, faulty cable, low battery voltage	Check power connection, replace cable if damaged, adjust battery protection level or charge vehicle battery.
Not cooling sufficiently	Blocked ventilation, excessive ambient temperature, door not sealed, too much content	Ensure clear ventilation, move to cooler area, check door seal, do not overfill.
Display error codes	Internal fault	Refer to specific error code documentation or contact customer service.
Control panel unresponsive	Child lock engaged	Unlock the control panel by pressing and holding the lock icon for 3 seconds.

9. SPECIFICATIONS

Feature	Specification
Brand Name	QNK
Model Info	EF15
Item Weight	19 pounds
Product Dimensions	16.1 x 17.9 x 11.5 inches
Capacity	16 Quarts (15 Liters)
Annual Energy Consumption	167 Kilowatt Hours Per Year
Noise Level	45 Decibels
Installation Type	Freestanding
Form Factor	Compact
Special Features	App Control, Compact, Inverter Compressor, Portable, Touch Control
Color	Blue & white
Voltage	12 Volts / 24 Volts (DC), 100-240 Volts (AC)
Wattage	45 watts
Defrost System	Manual
Material Type	ABS, High Density Polyethylene (HDPE)

10. WARRANTY AND SUPPORT

QNK offers the following warranty for your EF15 Portable Car Refrigerator:

- **Compressor:** 3-year warranty
- **Refrigerator (other parts):** 1-year warranty

For inquiries or assistance, please contact QNK customer service. Contact information can typically be found on the product packaging or the official QNK website.