Feelfunn CF027-15

Feelfunn 16QT Portable 12V Refrigerator/Freezer User Manual

Model: CF027-15

Brand: Feelfunn

Introduction

The Feelfunn 16QT Portable 12V Refrigerator/Freezer (Model CF027-15) is designed to provide efficient cooling and freezing for various applications, including car use, camping, and home use. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance and longevity of your unit. This portable unit offers versatile temperature control, allowing it to function as either a refrigerator or a freezer, making it suitable for preserving a wide range of items from beverages and fresh food to frozen goods.

Safety Instructions

Please read and understand all safety instructions before operating the appliance. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure the power supply voltage matches the appliance's requirements (12V/24V DC or 100V-240V AC).
- Do not operate the appliance if the power cord or plug is damaged. Contact customer support for assistance.
- Keep the appliance away from heat sources, direct sunlight, and flammable materials.
- Ensure adequate ventilation around the unit. Do not block ventilation openings.
- Do not immerse the appliance in water or expose it to heavy rain.
- Keep children away from the appliance. Supervision is necessary when children are near.
- Unplug the appliance before cleaning or performing any maintenance.
- Do not use sharp objects inside the appliance to avoid damaging the cooling elements.
- Avoid tilting the unit more than 40 degrees during operation to ensure proper compressor function.

Package Contents

Verify that all items are included in your package:

- 1x Feelfunn 16QT Portable Refrigerator/Freezer

- 1x DC Power Cord (for 12V/24V car use)
- 1x AC Adapter (for 100V-240V home use)
- 1x User Manual



Image: The portable refrigerator with its included accessories: DC power cord, AC adapter, and user manual.

Product Overview

The Feelfunn 16QT Portable Refrigerator/Freezer is designed for convenience and efficiency. Key features include:

- **Capacity:** 16 Quarts (approximately 15 liters), capable of holding up to 22 cans (355ml) or 18 bottles (550ml).
- **Fast Cooling:** Achieves 32°F (0°C) from 77°F (25°C) in 15 minutes, and -4°F (-20°C) in 45 minutes (under empty conditions).
- **Quiet Operation:** Operates at a low noise level of 32dB, ensuring minimal disturbance.
- **Anti-Shake Design:** Equipped with four anti-shake anchor points to maintain stable cooling even on 40° slopes or rough terrain.
- **Energy Efficiency:** Features advanced compressor technology and multi-layer insulation, consuming less than 1 kWh/day in ECO mode.
- **Smart APP Control:** Allows remote temperature adjustment, mode switching, and battery level monitoring via a smartphone app.
- **Portable Design:** Weighs approximately 20.2 lbs with built-in handles for easy transport.
- **Reversible Door:** Offers flexibility in opening direction.
- **Built-in Ice Pack:** The included divider can be frozen and used as an ice pack to extend cooling without power.



Image: Visual representation of the 16QT capacity, showing how many cans and bottles can fit inside, along with internal dimensions.



Image: Illustration of the high-quality compressor and its fast cooling capabilities, detailing temperature drop times and energy efficiency.

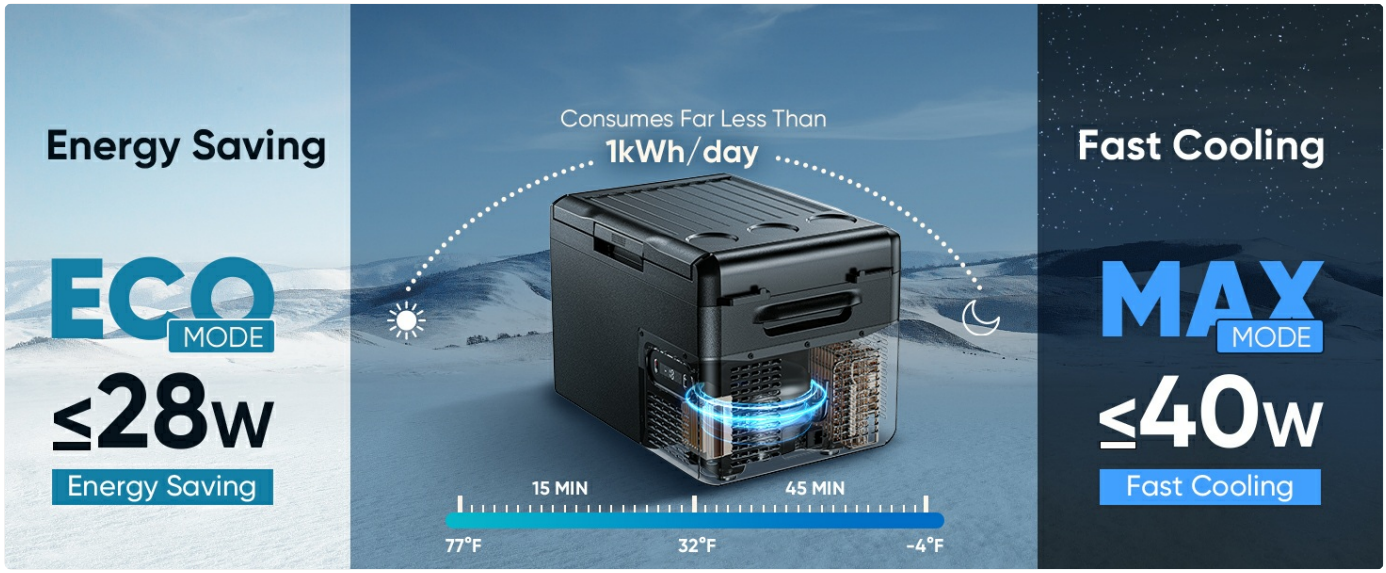


Image: A visual comparison of the refrigerator's 32dB noise level against common sounds like whispering and car driving, highlighting its quiet operation.

Setup

1. **Unpacking:** Carefully remove the refrigerator from its packaging. Retain packaging materials for future transport or

storage.

2. **Initial Cleaning:** Before first use, wipe the interior and exterior surfaces with a damp cloth and mild detergent. Dry thoroughly.
3. **Placement:**
    - Place the unit on a stable, level surface to ensure proper operation and prevent tipping.
    - Ensure there is at least 4 inches (10 cm) of space around all sides of the unit for adequate ventilation.
    - Avoid placing the unit in direct sunlight or near heat sources.
4. **Power Connection:**
    - **For Car Use (12V/24V DC):** Connect the DC power cord to the unit's DC input port and then to your vehicle's cigarette lighter socket or 12V/24V power outlet.
    - **For Home Use (100V-240V AC):** Connect the AC adapter to the unit's AC input port, then plug the adapter into a standard wall outlet.



Image: Demonstrates the multiple power options for the refrigerator: 12V/24V DC for car use, solar power system, and 100V-240V AC for indoor use.

Operating Instructions

1. Powering On/Off

Once connected to a power source, press the power button on the control panel to turn the unit on. Press and hold the power button to turn it off.

2. Temperature Control

Use the '+' and '-' buttons on the control panel to set your desired temperature. The temperature range is from -4°F (-20°C) to 68°F (20°C). The display will show the current internal temperature.

3. Cooling Modes (ECO/MAX)

The unit features two cooling modes:

- **MAX Mode:** Provides rapid cooling and freezing. Ideal for quickly reaching desired temperatures or when ambient temperatures are high. Consumes approximately 40W.
- **ECO Mode:** Offers energy-saving operation. Suitable for maintaining temperature once the desired level is reached, or for extended use with minimal power consumption. Consumes approximately 28W.

Switch between modes using the dedicated button on the control panel or via the smartphone app.

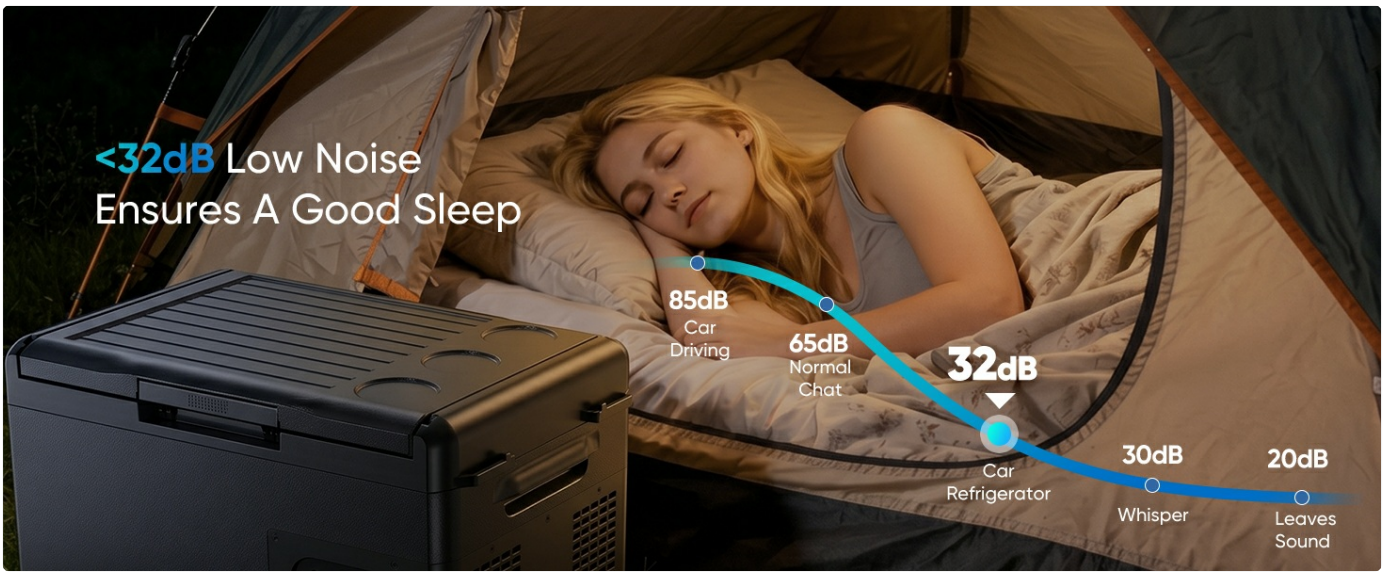


Image: Illustrates the dual cooling modes (ECO and MAX) and suggested contents for each, emphasizing energy saving for general items and fast cooling for frozen goods.



Image: A comparison graphic detailing the power consumption and cooling speed of ECO mode versus MAX mode.

4. Smart APP Control

The Feelfunn refrigerator can be controlled remotely via a smartphone app (e.g., "Outdoor Joy" app, available for iOS and Android). Follow these steps to connect:

1. Download the "Outdoor Joy" app from your device's app store.
2. Ensure your refrigerator is powered on and your phone's Bluetooth is enabled.
3. Open the app and follow the on-screen instructions to pair with your refrigerator.
4. Once connected, you can adjust temperature, switch cooling modes, and monitor battery levels from your phone.



Image: A smartphone screen showing the "Outdoor Joy" app interface for controlling the refrigerator, positioned next to the unit itself.



Image: A user controlling the refrigerator via the smartphone app from the driver's seat, demonstrating convenience during travel.

5. Battery Protection System

The unit includes a 3-level battery protection system to prevent your vehicle's battery from draining. You can select High (H), Medium (M), or Low (L) protection levels. The refrigerator will automatically cut off power when the input voltage drops below the set level and resume when the voltage rises.

Battery Protection Settings

Voltage	Level	Cut Out (V)	Cut In (V)
12V DC	High (H)	11.1V	12.4V
	Medium (M)	10.4V	11.7V
	Low (L)	9.6V	10.9V
24V DC	High (H)	24.3V	25.7V
	Medium (M)	22.8V	24.2V
	Low (L)	21.3V	22.7V

It is recommended to set the protection level to 'High' when connected to a vehicle battery to prevent excessive discharge. For external power sources like portable power stations, 'Low' or 'Medium' may be suitable depending on the power source's capacity.

Image: A detailed table outlining the voltage cut-out and cut-in points for the 3-level battery protection system (High, Medium, Low) for both 12V and 24V DC inputs.

Maintenance

1. Cleaning

- Always unplug the unit before cleaning.
- Clean the interior and exterior with a damp cloth and a mild, non-abrasive detergent.
- Do not use abrasive cleaners, steel wool, or harsh chemicals, as these can damage the surfaces.
- Ensure the unit is completely dry before reconnecting power.
- Regularly clean the ventilation openings to prevent dust buildup, which can affect cooling efficiency.

2. Defrosting

The Feelfunn refrigerator features a frost-free system. However, if ice buildup occurs due to high humidity or frequent opening, follow these steps:

- Turn off the unit and unplug it from the power source.
- Remove all contents.
- Leave the lid open to allow the ice to melt naturally. Do not use sharp objects or heating devices to speed up defrosting.
- Wipe away melted water with a clean cloth.
- Ensure the interior is completely dry before restarting the unit.

3. Storage

When storing the unit for an extended period:

- Clean and dry the unit thoroughly.
- Leave the lid slightly ajar to prevent odors and mold growth.
- Store in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.

Troubleshooting

If you encounter issues with your Feelfunn portable refrigerator, refer to the following common problems and solutions:

Common Troubleshooting Guide

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; damaged power cord/adapter; vehicle battery low.	Check power connections. Ensure power outlet is functional. Check vehicle battery voltage and battery protection setting. Try a different power source.

Problem	Possible Cause	Solution
Unit is not cooling effectively.	Lid not closed properly; ventilation blocked; ambient temperature too high; temperature setting too high; too many items inside.	Ensure lid is sealed. Clear ventilation openings. Lower temperature setting. Reduce contents if overloaded. Operate in MAX mode for faster cooling.
Unit is making unusual noise.	Unit not on a level surface; fan obstruction.	Place on a stable, level surface. Check for any obstructions around the fan.
App cannot connect to the unit.	Bluetooth off; unit too far from phone; app not updated.	Ensure Bluetooth is enabled on your phone. Move closer to the unit (within 5 ft). Restart the app and the refrigerator. Check for app updates.
Error code displayed.	Specific internal fault.	Refer to the full user manual for specific error code meanings. If persistent, contact customer support.

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

Specifications

Feelfunn 16QT Portable Refrigerator/Freezer (CF027-15)

Brand	Feelfunn
Model Name	Car Refrigerator
Model Number	CF027-15
Capacity	16 Quarts (15 Liters)
Product Dimensions (D x W x H)	18.5" x 13.58" x 12.6"
Item Weight	20.2 pounds
Color	Black
Voltage	12V/24V DC, 100V-240V AC
Cooling Method	Compressor
Defrost System	Frost Free
Special Features	Anti-Shake, App Control, Energy Efficient, Low Noise
Annual Energy Consumption	<1 kWh/day (in ECO mode)
Specification Met	ETL

Warranty and Support

Warranty: The Feelfunn 16QT Portable Refrigerator/Freezer comes with a**1-year warranty** from the date of purchase, covering manufacturing defects and malfunctions under normal use.

Customer Support: For any questions, technical assistance, or warranty claims, please contact our support team. Our team is available to help you with any issues you may encounter.
Please have your model number (CF027-15) and proof of purchase ready when contacting support.
Contact Information:

- **Website:** Visit the Feelfunn Store on Amazon
- **Email:** [Insert Manufacturer Support Email Here, if available]
- **Phone:** [Insert Manufacturer Support Phone Here, if available]

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