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## Totalcool TFXGR50

# TF-XTREME Portable Refrigerator Fridge Freezer

MODEL: TFXGR50 - USER MANUAL

## Introduction and Safety Information

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Thank you for choosing the Totalcool TF-XTREME Portable Refrigerator Fridge Freezer. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your unit. Please read it thoroughly before first use and keep it for future reference.

The TF-XTREME 50 is a versatile cooling solution designed for various outdoor and mobile applications, including camping, motorhomes, fishing, and picnics. It features advanced compressor cooling technology, dual power options (12V/24V DC and AC mains), and a user-friendly control system.

### Important Safety Instructions:

- Ensure the unit is placed on a stable, level surface to prevent tipping.
- Do not block ventilation openings. Allow adequate space around the unit for proper airflow.
- Avoid exposing the unit to direct sunlight or heat sources.
- Do not immerse the unit in water or expose it to heavy rain.
- Use only the power adapters supplied by the manufacturer.
- Keep out of reach of children.
- Disconnect power before cleaning or performing any maintenance.



Figure 1: Overview of the TF-XTREME 50L Portable Refrigerator Fridge Freezer, showcasing its robust design and integrated wheels and handle.

## Setup and Initial Use

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### 1. Unpacking and Placement:

Carefully remove the TF-XTREME 50 from its packaging. Inspect the unit for any signs of damage. Place the unit on a firm, level surface, ensuring there is at least 10 cm of space around all sides for proper ventilation.

### 2. Power Connection:

The TF-XTREME 50 supports dual power input:

- **12V/24V DC (Car/Vehicle Power):** Connect the supplied 3.5m DC power lead to the unit's DC input port and then to your vehicle's 12V or 24V power outlet (cigarette lighter socket).
- **AC Mains Power:** Connect the supplied 1.5m AC power lead to the unit's AC input port and then to a standard 230V AC wall socket.

The unit can also be powered by a compatible power station (sold separately) for extended off-grid use.



Figure 2: Illustration of the multiple power options available for the TF-XTREME series, including Powerstation, AC Mains, and 12V/24V DC connections.

### 3. Initial Cooling:

After connecting to power, the unit will automatically turn on. It is recommended to run the unit empty for at least 30 minutes to allow it to reach the desired temperature before loading items. The advanced compressor technology enables rapid cooling, reaching temperatures as low as  $-20^{\circ}\text{C}$  in approximately 20-30 minutes.

## Operating Instructions

### 1. Control Panel and Display:

The TF-XTREME 50 features an intuitive LED control panel. Use the '+' and '-' buttons to adjust the temperature settings. The display will show the current internal temperature and other operational indicators.

## TF-XTREME 12V Battery Protection

	Low Mode	Medium Mode	High Mode
Cut Out	8.5 V	10.1 V	11.1 V
Cut In	10.9 V	11.4 V	12.4 V

\*voltage is theoretical, there may be deviation in different scenarios



Figure 3: The user-friendly control panel on the TF-XTREME 50L, also showing a smartphone connected for charging, highlighting its versatile features.

### 2. Totalfreeze App Control:

For enhanced convenience, download the Totalfreeze app from your smartphone's app store. The app allows you to remotely monitor and adjust temperature settings, switch between modes, and access additional features. Follow the in-app instructions for pairing your device.



Figure 4: A smartphone screen showing the Totalfreeze app interface, demonstrating remote temperature control and monitoring capabilities for the TF-XTREME 50L.

### **3. Dual Zone Functionality:**

The TF-XTREME 50 features dual compartments, allowing for flexible use as a fridge, freezer, or a combination of both. You can set different temperatures for each zone to suit your storage needs. Refer to the control panel or app for specific zone temperature adjustments.

### **4. Battery Protection System:**

The unit includes a built-in battery protection system to prevent your vehicle's battery from draining completely. This system has three modes: Low, Medium, and High. Select the appropriate mode based on your battery type and usage to ensure enough power remains to start your engine.

**Table 1: TF-XTREME 12V Battery Protection Settings**

Mode	Cut Out Voltage	Cut In Voltage
Low	8.5 V	10.9 V
Medium	10.1 V	11.4 V
High	11.1 V	12.4 V

*Note: Voltage values are theoretical and may vary slightly in different scenarios.*

**TF-XTREME 24V Battery Protection**

	Low Mode	Medium Mode	High Mode
Cut Out	21.3 V	22.3 V	24.3 V
Cut In	22.7 V	23.7 V	25.7 V

\*voltage is theoretical, there may be deviation in different scenarios

The image shows a close-up of the TF-XTREME 50 battery unit, which is green and white. A smartphone is connected to the battery via a cable, and its battery level indicator is visible. The battery unit has a control panel with a power button and a display showing the battery level. The text 'TF-XTREME 50' is printed on the front of the battery.

Figure 5: Detailed table illustrating the 12V battery protection cut-out and cut-in voltage levels for Low, Medium, and High modes.

**Table 2: TF-XTREME 24V Battery Protection Settings**

Mode	Cut Out Voltage	Cut In Voltage
Low	21.3 V	22.7 V
Medium	22.3 V	23.7 V
High	24.3 V	25.7 V

*Note: Voltage values are theoretical and may vary slightly in different scenarios.*



Figure 6: Detailed table illustrating the 24V battery protection cut-out and cut-in voltage levels for Low, Medium, and High modes.

## 5. Quiet Operation:

The TF-XTREME 50 operates at a low noise level of only 42dB, ensuring a peaceful environment during use.

## Maintenance

## 1. Cleaning:

- Always disconnect the power before cleaning.
- Wipe the interior and exterior surfaces with a damp cloth and mild detergent. Avoid abrasive cleaners or solvents.
- Ensure the unit is completely dry before reconnecting power.
- Periodically clean the ventilation grilles to prevent dust buildup, which can affect cooling efficiency.

## 2. Storage:

When storing the unit for extended periods, ensure it is clean and dry. Leave the lid slightly ajar to prevent odors and mildew formation. Store in a cool, dry place away from direct sunlight.

## Troubleshooting

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If you encounter issues with your TF-XTREME 50, please refer to the following common problems and solutions:

**Table 3: Common Troubleshooting Guide**

Problem	Possible Cause	Solution
Unit not turning on	No power supply; loose connection; vehicle battery low.	Check power cables and connections. Ensure power source is active. Check vehicle battery voltage and battery protection setting.
Not cooling effectively	Blocked ventilation; ambient temperature too high; door not sealed properly; overloaded.	Ensure clear ventilation. Move to a cooler area. Check lid seal. Do not overfill.
Displaying "E3" error code	Low voltage input or compressor issue.	Check power source voltage. Adjust battery protection setting to a lower mode if on vehicle power. If problem persists, contact customer support.
Excessive noise	Unit not level; fan obstruction.	Ensure unit is on a stable, level surface. Check for any obstructions near the fan.

If the problem persists after attempting these solutions, please contact Totalcool customer support for further assistance.

## Specifications

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Below are the key technical specifications for the Totalcool TF-XTREME 50L Portable Refrigerator Fridge Freezer:

**Model:** TFXGR50

**Capacity:** 50 Litres

**Product Dimensions (L x W x H):** 76 x 57 x 51 cm

**Item Weight:** 24 kg

**Voltage:** 12V/24V DC, 230V AC

**Power Consumption:** 30-40 Watts (2.5-3.3 Amps)

**Temperature Range:** -20°C to +10°C

**Noise Level:** 42dB

**Material Type:** Polypropylene

**Special Features:** Reinforced lock, portable design with wheels and retractable handle, dual zone functionality, smart LED control, Totalfreeze app compatibility, battery protection system.

**Included Components:** 2 wheels, 1 carry handle, DC power lead, AC power lead.



# TF-XTREME 50

Length: 692mm

Width: 450mm

Height: 515mm



Figure 7: Detailed dimensions of the TF-XTREME 50L unit, showing length, width, and height measurements.

## Warranty and Support

The Totalcool TF-XTREME 50L Portable Refrigerator Fridge Freezer comes with a **24-month manufacturer warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or any questions not covered in this manual, please contact Totalcool customer service. Have your purchase receipt and product model number (TFXGR50) ready when contacting support.

You can find contact information on the official Totalcool website or through your retailer.