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› [F40C4TMP 12 Volt Refrigerator, 20 Quart\(18L\) Portable Freezer, 12V Car Fridge\(-8°F~50°F\), Compressor Cooler for Camping, Road Trip, Travel, Van, Truck, RV, Boat, Outdoor, Home, 12/24V DC & 100~240V AC User Manual](#)

F40C4TMP F40C4TMPJSOUN002

F40C4TMP 20 Quart Portable Refrigerator User Manual

Model: F40C4TMPJSOUN002

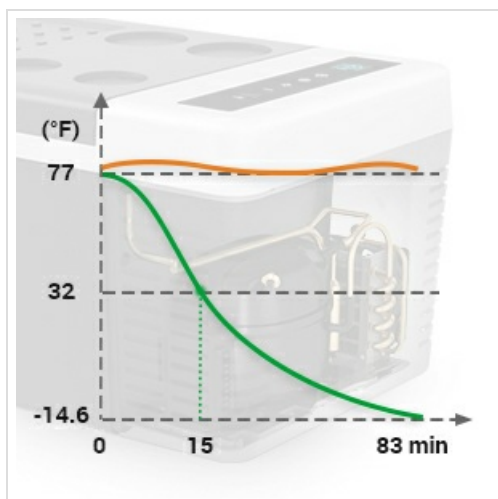
INTRODUCTION

This user manual provides comprehensive instructions for the safe and efficient operation of your F40C4TMP 20 Quart Portable Refrigerator. Designed for versatility, this compressor cooler is suitable for various applications including camping, road trips, travel, and home use, operating on both 12/24V DC and 100~240V AC power sources. Please read this manual thoroughly before first use and retain it for future reference.

WHAT'S IN THE BOX

Upon opening the package, please verify that all the following items are included:

- 1 x F40C4TMP 20 Quart Portable Refrigerator
- 1 x 12V/24V DC Power Cord (10.82 ft)
- 1 x 100-240V AC Adapter (6.56 ft, for Wall Socket/Power Station etc.)
- 1 x User Manual



KEY FEATURES

- **Powerful Compressor:** Rapid cooling to 32°F within 20 minutes and reaching -8°F in approximately one hour (ambient temperature 77°F). Functions as both a refrigerator and a freezer.
- **Magnetic Door Design:** Enhanced sealing performance and durability compared to traditional lids, preventing cold air leakage and reducing energy consumption.
- **Battery Protection (H/M/L):** Automatically cuts off power at a certain voltage to prevent car battery drain.
- **LCD Display Panel:** Allows for easy temperature setting in various lighting conditions.
- **USB Charging Port:** Conveniently located on the control panel for charging mobile phones or other electronic devices.
- **Portable Design:** 20-quart capacity fits easily in vehicle trunks, behind car seats, or in truck beds. Operates effectively at a tilt of up to 45°.
- **Energy Efficient:** Features two cooling modes: MAX (45W for fast cooling) and ECO (36W for energy saving), consuming approximately 1 kWh per day.
- **Versatile Power Input:** Compatible with 12V/24V DC for vehicles and 100~240V AC for home or power station use.



Image: The F40C4TMP 20 Quart Portable Refrigerator, illustrating its compact size and capacity.

SETUP

1. **Unpacking:** Carefully remove the refrigerator from its packaging. Inspect for any shipping damage.
2. **Placement:** Place the refrigerator on a flat, stable surface. Ensure adequate ventilation around the unit, especially around the air inlets and outlets. Avoid placing it in direct sunlight or near heat sources.
3. **Initial Cleaning:** Before first use, wipe the interior and exterior surfaces with a damp cloth and mild detergent. Dry thoroughly.
4. **Power Connection:**
 - **DC Power (12V/24V):** Connect the DC power cord to the refrigerator's DC input port and then to your vehicle's 12V/24V cigarette lighter socket.
 - **AC Power (100-240V):** Connect the AC adapter to the refrigerator's AC input port, then plug the adapter into a standard wall outlet or compatible power station.

5. **Pre-cooling:** For optimal performance, it is recommended to pre-cool the refrigerator for at least 30 minutes before loading items, especially if using it as a freezer.



110-240 AC

12/24V DC



Image: Power connection options for the F40C4TMP portable refrigerator.

OPERATING INSTRUCTIONS

Control Panel Overview

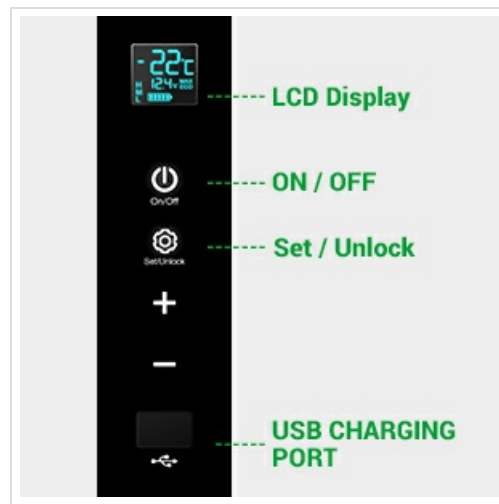


Image: Detailed view of the control panel.

- **LCD Display:** Shows current temperature, battery protection level, and cooling mode.
- **On/Off Button:** Press to turn the unit on or off.
- **Set/Unlock Button:** Press to enter temperature setting mode or unlock the panel.
- **+/- Buttons:** Adjust the desired temperature.
- **USB Charging Port:** For charging external devices.

Temperature Setting

1. Turn on the refrigerator by pressing the **On/Off** button.
2. Press the **Set/Unlock** button to enter temperature adjustment mode. The display will flash.
3. Use the **+** or **-** buttons to set your desired temperature between -8°F and 50°F (-22°C and 10°C).
4. The setting will automatically save after a few seconds of inactivity, or you can press the **Set/Unlock** button again to confirm.

Cooling Modes (MAX/ECO)

The refrigerator offers two cooling modes:

- **MAX Mode:** Provides fast cooling with a power consumption of 45W. Ideal for quickly reaching desired temperatures.
- **ECO Mode:** Offers energy-saving operation with a power consumption of 36W. Suitable for maintaining temperature over longer periods.

To switch between modes, press and hold the **Set/Unlock** button for approximately 3 seconds until the mode indicator changes on the LCD display.

CONSUME 1KWH PER DAY

*It can run with F40C4TMP portable power station for 5 hours



Image: The refrigerator operating in an outdoor environment, highlighting its two cooling modes.

Battery Protection Function (H/M/L)

This feature protects your vehicle's battery from excessive discharge. You can select one of three levels:

- **H (High):** Highest protection, cuts off power at a higher voltage. Recommended for vehicle starter batteries.
- **M (Medium):** Moderate protection.
- **L (Low):** Lowest protection, allows for deeper discharge. Recommended for auxiliary batteries or power stations.

To change the battery protection level, ensure the unit is on. Press and hold the + and - buttons simultaneously for approximately 3 seconds until the battery indicator flashes. Use the + or - buttons to cycle through H, M, and L. The setting will save automatically.



Image: The refrigerator positioned in a car trunk, demonstrating its battery protection feature.

Official Product Videos

Your browser does not support the video tag.

Video: F40C4TMP 20 QT Portable Refrigerator Fits for Tesla Model 3. This video demonstrates how the 20-quart portable refrigerator fits perfectly in the trunk of a Tesla Model 3, showcasing its compact size and suitability for vehicle integration.

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Video: Perfect Fit for Tesla Model 3. A short demonstration highlighting the seamless fit of the portable refrigerator in a Tesla Model 3, emphasizing its design for vehicle use.

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Video: Panel Operation Instructions for F40C4TMP 20QT/23QT/30QT Fridge. This video provides a detailed guide on how to operate the control panel of the F40C4TMP portable refrigerator, including setting temperatures and modes.

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Video: F40C4TMP Fridge Freezer Fuse and Power Cable Access. A comprehensive video demonstrating how to access and manage the fuse and power cables for the F40C4TMP fridge freezer, useful for maintenance and troubleshooting.

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Video: How many things can the 20 quart portable refrigerator hold? This video visually demonstrates the internal capacity of the 20-quart portable refrigerator by showing various items being placed inside.

MAINTENANCE

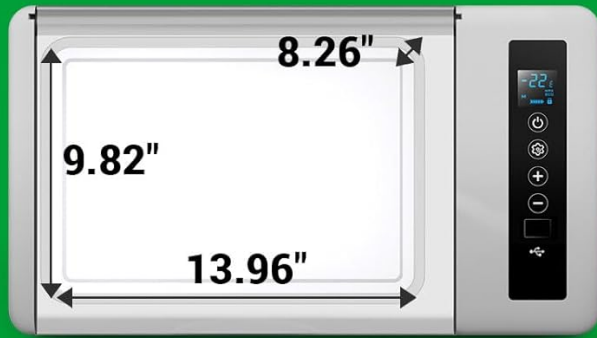
- **Regular Cleaning:** Clean the interior and exterior regularly with a damp cloth and mild detergent. Do not use abrasive cleaners or harsh chemicals.
- **Defrosting:** If ice builds up, turn off the unit and allow the ice to melt naturally. Wipe away excess water. Do not use sharp objects to remove ice.
- **Ventilation:** Ensure the ventilation openings are clear of dust and debris to maintain efficient cooling.
- **Storage:** When not in use for extended periods, ensure the unit is clean and dry. Store with the lid slightly ajar to prevent odors and mold growth.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Refrigerator not turning on.	No power supply; loose connection; blown fuse; low battery voltage.	Check power cord connection; ensure power source is active; replace fuse if necessary; adjust battery protection level or charge battery.
Poor cooling performance.	Insufficient ventilation; excessive items inside; door not sealed properly; ambient temperature too high.	Ensure clear ventilation; do not overfill; check door seal; operate in a cooler environment if possible.
Display error codes.	Internal sensor issue; compressor fault.	Refer to the specific error code in the full user manual (if available) or contact customer support.
Unusual noise.	Unit not level; fan obstruction; compressor issue.	Place on a level surface; check for obstructions around fan; if noise persists, contact support.

SPECIFICATIONS

Attribute	Detail
Brand	F40C4TMP
Model Number	F40C4TMPJSOUN002
Capacity	20 Quart (18 Liters)
Temperature Range	-8°F to 50°F (-22°C to 10°C)
Power Input	12V/24V DC, 100-240V AC
Rated Power (MAX/ECO)	45W / 36W
Item Weight	23.4 pounds
Product Dimensions	22.6 x 12.6 x 11.3 inches
Special Features	Portable, Compressor, Battery Protection, LCD Display, USB Port



20 QUART
INTERNAL DIMENSIONS:
13.96 * 9.82 * 8.26 INCHES

EXTERNAL DIMENSIONS:
22.68*12.6*11.3 INCHES



20 BOTTLES*
330ml Cola



15 BOTTLES*
550ml Water



6 BOTTLES*
750ml Red Wine



4 BOTTLES*
2L Cola





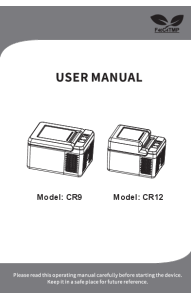

Image: Dimensions and capacity details of the refrigerator.

WARRANTY AND SUPPORT

The F40C4TMP 20 Quart Portable Refrigerator comes with a **2-Year Tech Support** warranty. For any product questions, technical assistance, or warranty claims, please do not hesitate to contact F40C4TMP customer support. Contact information can typically be found on the product packaging or the official brand website. For additional resources, you may refer to the official [User Manual \(PDF\)](#).

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Related Documents - F40C4TMPJSOUN002

	<p>F40C4TMP Portable Refrigerator User Manual</p> <p>Comprehensive user manual for F40C4TMP 37/47/58 Quart Portable Refrigerators, covering safety instructions, operation, troubleshooting, and maintenance.</p>
	<p>F40C4TMP C18W/C18S Car Refrigerator User Manual with Compressor</p> <p>The F40C4TMP C18W/C18S Car Refrigerator User Manual provides detailed instructions for operating and troubleshooting this portable compressor refrigerator. Designed for car travel, outdoor adventures, and home use, it offers precise temperature control for food, beverages, and sensitive items.</p>
	<p>F40C4TMP Portable Fridge User Manual - CR9 and CR12 Models</p> <p>Comprehensive user manual for F40C4TMP portable refrigerators, models CR9 and CR12. Covers features, safety instructions, operation settings, troubleshooting (FAQ), food storage, defrosting, cleaning, and environmental guidelines.</p>
	<p>F40C4TMP Portable Refrigerator User Manual: Operation, Maintenance, and Troubleshooting</p> <p>Comprehensive user manual for F40C4TMP portable refrigerators (45/54/64 Quart models ETERNAL43/51/61). Covers product introduction, safety, operation, cleaning, troubleshooting, technical parameters, and storage recommendations.</p>