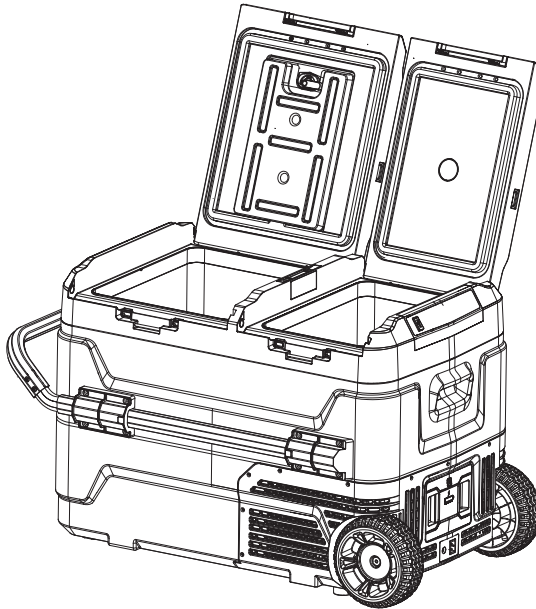




# USER MANUAL

For 45/54/64 QUART Portable Refrigerator





# CONTENT

ATTENTION .....	1
PRODUCT FUNCTION INTRODUCTION .....	1
SAFETY ATTENTIONS .....	2
BASIC USAGE PRECAUTIONS .....	2
OPERATION INSTRUCTION .....	2
CLEANING & MAINTENANCE .....	4
TROUBLES AND TROUBLESHOOTING .....	5
TROUBLESHOOTING .....	6
TECHNICAL PARAMETER .....	6
OPTIMAL STORAGE TEMPERATURE RECOMMENDATIONS .....	7
AFTER-SALES SERVICE AND WARRANTY .....	7

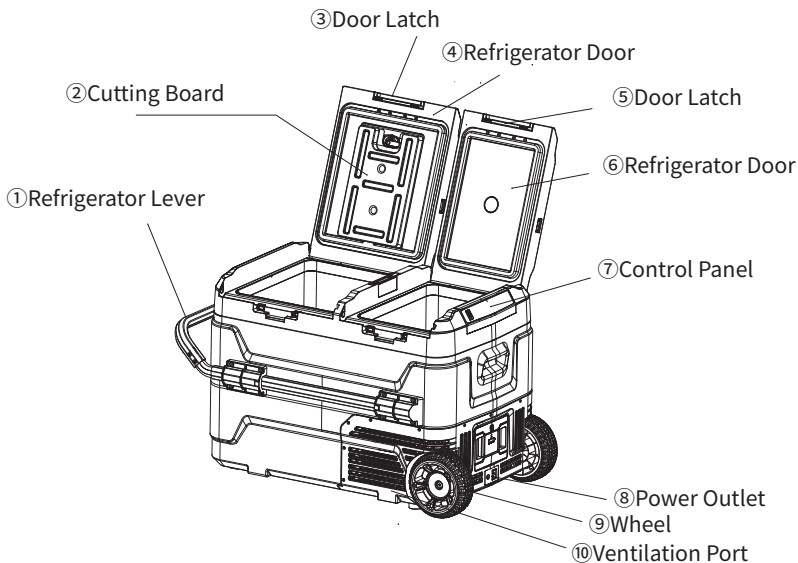
## ATTENTION

### Please read this manual carefully before use and keep it properly

- When using for the first time, clean the inside and outside of the portable refrigerator with a damp cloth.
- Please clean the inside of the refrigerator regularly to prevent odorous bacteria to ensure food safety.
- If not used for a long time, please disconnect the power and keep the inside of the portable refrigerator dry.

## PRODUCT FUNCTION INTRODUCTION

- Adopt German high-quality DC inverter compressor and drive module to create a high-efficiency, energy-saving, stable and reliable mobile refrigeration system.
- Microcomputer intelligent control system makes the operation simple and the temperature control convenient.
- With single temperature and dual control function, it can switch between freezing/refrigeration to meet different storage needs.
- Compatible with a variety of power inputs, intelligently identify DC 12/24V voltage, to meet the needs of various scenarios, such as car, marine, home, outdoor, etc.
- With voltage detection and low voltage protection functions, effectively prevent car battery from over-discharging.
- The inner tank is made of food-grade plastic material, which is safe, leak-proof and odor-proof.
- Built-in LED light, makes it more convenient to use at night.
- LED digital display.
- Intelligent touch operation button with child lock function, effectively prevent accidental touch.



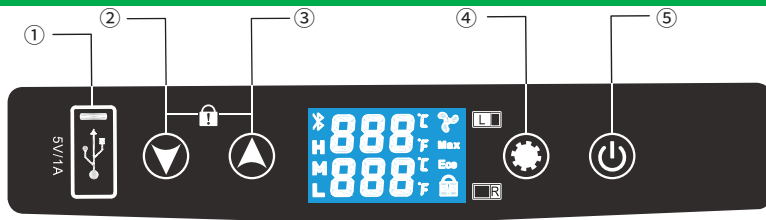
## SAFETY ATTENTIONS

- Do not touch the exposed power cord with your hands.
- Do not touch the power socket and power board with wet hand, otherwise it will cause danger.
- When using this product on board, please make sure that the power supply lines and fuses have sufficient carrying current.
- When using AC devices on cars, RVs and yachts, a professional is required to install them.
- Make sure the power connection is correct.
- Do not immerse the product in water.
- Do not put cans, beer, etc. in the refrigerator to freeze at low temperature.
- Do not put any electrical equipment in the refrigerator.
- Require professionals to perform maintenance services, or please contact the seller.
- Do not expose the product to rain or strong sunlight for a long time.
- After the refrigerator is received and unpacked, please make it stand still for more than 6 hours before powering it on. (Condition: With the door opening at the top)

## BASIC USAGE PRECAUTIONS

- When using the refrigerator, please place it in a well-ventilated position. To avoid malfunction or decrease of cooling efficiency caused by high temperature, please ensure that the gap between the compressor cooling holes and other objects is greater than 100mm.
- Do not leave the door open for a long time, otherwise the temperature difference between the inside and outside of the refrigerator will be too large, which will cause frost, affecting the cooling efficiency.
- Never clean the refrigerator in running water or dishwasher.
- Do not use the refrigerator near a heat source, otherwise it will reduce the cooling performance of the refrigerator.
- Please place the refrigerator on a flat surface and do not use it at a large tilt angle for a long time, because this may affect the service life of the refrigerator and reduce the cooling efficiency.

## OPERATION INSTRUCTION



① USB Port

② Decrease The Temperature

③ Increase The Temperature

④ Setting

⑤ ON / OFF

Temperature control range: -4°F~68°F (-20°C~20°C)

Temperature display range: -22°F~122°F (-30°C~50°C)

Standard voltage input range: DC 12V/24V, up to DC 30V

## 1. Turn On/Off the Refrigerator

After connecting the correct DC 12/24V power supply, please long press the "⏻" button for 3 seconds to power on the refrigerator. After booting, the display will display characters such as the current temperature in the box and the working mode.

If you want to turn off the refrigerator, please press the "⏻" button for 3 seconds to turn it off when the keyboard is unlocked.

## 2. Locking and Unlocking the Refrigerator Panel

When the panel is locked (the lock icon is lit in the lower right corner of the display), press the "▲" and "▼" buttons at the same time for 3 seconds to unlock it. At this time, the lock icon does not light up. If you want to lock the panel, press the "▲" and "▼" buttons at the same time for 3 seconds to lock it. At this time, the lock icon will light up.

## 3. ECO/MAX Mode Setting

After unlocking the panel, press the "⚙️" key to switch the working mode "ECO/MAX". You can choose MAX mode for fast cooling or ECO mode for energy saving.

## 4. Low Voltage Protection Function Setting--H/M/L Setting

This product has a low voltage protection function, which will automatically turn off the compressor when it detects that the battery voltage is lower than the set value, thereby preventing over-discharge from damaging the battery or causing the car fail to start normally. At this time, the "E1" error code will appear on the display panel. After the voltage returns to normal for 1 minute, the refrigerator will automatically enter the working state.

The factory setting is M gear, and the switching method is as follows:

a. Unlock the panel

b. Press the "⚙️" key for 3 seconds. After hearing a "beep", press the "⚙️" key briefly. Then, one of the voltage protection level icons "H" or "M" or "L" will flash. At this time, press the "▲" or "▼" button to switch H/M/L.

The values of H/M/L refer to the following table:

Voltage	The factory setting is M gear		
	H high level	M medium level	L low level
12V	11.1V OFF, 12.4V ON	10.4V OFF, 11.7V ON	9.6V OFF, 10.9V ON
24V	24.3V OFF, 25.7V ON	22.8V OFF, 24.2V ON	21.3V OFF, 22.7V ON

Note: If your refrigerator enters battery protection early, it is likely that your battery voltage is insufficient, and the low voltage protection value is set too high. Or because your DC power cord is not suitable, so it can't provide enough current. Please check whether the power cord is suitable, and consider lowering the battery protection gear appropriately.

When using the refrigerator in a car, it is recommended to set the protection level to H gear to ensure that the car can be started normally.

## 5. Temperature Adjustment Setting

Please unlock the panel first.

a. If you want to adjust the temperature of the L zone, please directly press the "▲" / "▼" button to adjust the temperature.

b. If you want to adjust the temperature of the R zone, please press the "▲" button first, and when you see the temperature of the L zone is flashing, briefly press the "⊛" button. When you see the temperature of the R zone is flashing, then you can press the "▲" / "▼" button to adjust the R zone temperature.

NOTE: L refers to large box, R refers to small box.

c. Each time you press the "▲" or "▼" button, the temperature change is 1 degree at a time. If you long press the "▲" or "▼" button, you can adjust the temperature in a quickly way.

d. After setting the temperature, if there is no further operation on the panel within 5 seconds, the temperature display will stop flashing and the current set temperature will be saved. And then the display panel will show the current temperature of the inside box.

## 6. Instructions for Turn Off the L Zone or the R Zone Separately

a. Please unlock the panel first.

b. If you want to turn off the L zone, please press the "▲" button first. If you see the reading in the L zone flashes, please press "⏻" button to turn it off. After that, it will display "OFF". If you want the L zone back to work, briefly press the "▲" button, then press the "⏻", the L zone will turn on again.

c. If you want to turn off the R zone, please press the "▲" button first, and then press the "⊛" button. If you see the reading in the R zone flashes, please press "⏻" button to turn it off. After that, it will display "OFF". At this time, to make the R zone back to work, you should press the "▲" button first, then press the "⊛" button to switch to control the R zone, after that, press the "⏻" to turn on the R zone.

NOTE: With this operation method, the L and R zones cannot be turned off at the same time. To turn off the two zones at the same time, press the "⏻" for 3 seconds, then the whole portable refrigerator will be turned off.

## 7. Celsius/Fahrenheit Switch

Press the "⊛" button for 3 seconds, after seeing the temperature unit on the display panel flashing, press "▲" or "▼" to switch between °C and °F.

# CLEANING & MAINTENANCE

Before cleaning, disconnect the power supply. Wipe the inner and outer surfaces of the refrigerator with a cleaning cloth dipped in appropriate amount of water or detergent. Do not rinse with water directly, otherwise the electrical components will be damaged.

When the refrigerator is not in use for a long time, it is necessary to clean the inside and outside of the refrigerator and keep it dry, and take measures to prevent moisture and dust to prevent mildew and odor inside the refrigerator.

## TROUBLES AND TROUBLESHOOTING

Advice: If there is an abnormal situation that cannot be solved through the guidance, please contact the F40C4TMP customer service team for assistance.

### **If the product does not work properly:**

- Check whether the power supply is powered on
- Check whether the voltage is too low
- Check whether the connections is loose or the contact is poor
- Check whether the fuse is blown
- Check whether the refrigerator is turned on
- Check whether the temperature setting is too high

### **Low Cooling Efficiency:**

- Check whether there is too much food in the refrigerator
- Check whether the food temperature in the refrigerator is too high
- Check whether the door is closed properly
- Check whether the door seal is damaged or deformed, resulting in unsealed
- Check whether ventilation around the refrigerator is good
- Check whether the ambient temperature is too high
- Check whether the temperature setting is correct

### **There is a sound of "water flowing" in the refrigerator:**

- This is normal and it's caused by the flow of refrigerant

### **Abnormal noise when the refrigerator starts:**

- Check whether the refrigerator is placed on a flat, level surface
- Check whether the surrounding objects are moving
- At the moment when the compressor starts, the motor runs from a standstill to a high speed. At this time, the sound will be slightly louder. When the speed is stable, the sound will decrease. It is a normal phenomenon.

### **Water droplets around the enclosure and door seal:**

When the moisture in the humid air contacts the shell with lower temperature, it will naturally liquefy and condense into water droplets, which is a normal phenomenon.



## TROUBLESHOOTING

When the compressor, module, fan, temperature sensing head are abnormal and the input voltage is too low, an error code will appear on the display screen, and the compressor will stop working. When the abnormality is eliminated, unplug the power supply, then plug it in again, the display panel will display the temperature in the box again. After 1 minute, the compressor cooling mode will start working again.

The code description is shown in the following table:











Error Code	Error Type	Solutions
E0	The temperature sensor is damaged	Check or replace the temperature sensor
E1	The input voltage is too low	Check the input voltage and adjust battery protection level(H/M/L)
E2	DC fan overcurrent protection	Check the cooling fan
E3	Protection for abnormal compressor startup	Restart the refrigerator after 30 minutes of disconnection
E4	Protection of abnormal compressor speed	Adjust the compressor working mode (MAX/ECO)
E5	Module temperature is too high	Move the refrigerator to a well-ventilated place to lower the module temperature

**Note: Any problems, please contact F40C4TMP customer service team.**

## TECHNICAL PARAMETER

Model	ETERNAL43	ETERNAL51	ETERNAL61
Input Voltage	DC 12V/24V, AC 100~240V		
Temperature Control Range	-20°C~20°C (-4°F~68°F)		
Refrigerant	R134a		
Insulation Materials	Polyurethane Foam		
Rated Power	60W ± 20%		
Rated Current	5.0A/2.5A		
Product Size (L*W*H)mm	674*409*466	674*409*516	674*409*583


## OPTIMAL STORAGE TEMPERATURE RECOMMENDATIONS

	PURIFIED WATER	5°C(41°F)
	DRINK	5°C(41°F)
	FRESH JUICE	8-10°C(46-50°F)
	WINE	13°C(55°)
	FRUIT	5-8°C(41-46°F)
	VEGETABLE	3-10°C(37-50°F)
	DELICATESSEN	4°C(39°F)
	SEAFOOD	-3°C(27F)
	MEAT	-18°C(0°F)
	FROZEN FOOD	-18°C(0°F)

## AFTER-SALES SERVICE AND WARRANTY

The F40C4TMP portable refrigerator comes with a 2-year warranty from the date of purchase.


If you have any questions during use, please feel free to contact us through:

 Phone No.: 4086887296

Monday to Friday 9:00 am - 5:00 pm ( PST )

 Email: [service@f40c4tmp.com](mailto:service@f40c4tmp.com)

 Website: [www.f40c4tmp.com](http://www.f40c4tmp.com)

 Amazon: Message us through "Ask a question" in F40C4TMP Amazon shop





Find 40°F, Refresh Your Outdoor Life.