

SetPower

PT30

User Manual

V2.1

CONTENT

1.SAFETY INSTRUCTIONS	01
2.DATA SHEET	04
3.OVERVIEW	04
4.POWER SOURCE INSTRUCTIONS	05
5.OPERATING INSTRUCTIONS	06
6.TROUBLE SHOOTING	10
7.DEFROSTING	12
8.MAINTENANCE	12
9.CLEANING	12
10.SUGGESTIONS	13
11.GENERAL SAFETY MESSAGES	13
12.NOTICE	14
13.WARRANTY & RETURN	16
14.FCC WARNING	18
15.APP CONTROL	19

1.SAFETY INSTRUCTIONS

Please read this operating manual carefully before starting the appliance. Keep it in a safe place for future reference. If the appliance is passed on to another person, this instruction manual must be handed over to the user along with it. The manufacturer cannot be held liable for damage resulting from improper usage or incorrect operation.

1.1 WARNING

- 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.
- Children should be supervised that they do not play with the appliance.
- Cleaning and user maintenance shall not be carried out by children without supervision.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Do not use this appliance near direct heat sources, for example, a cooker, radiator or exposing it to direct sunlight.
- The appliance shall not be exposed to rain. Place the refrigerator on a dry, protected surface, away from edges.

1.2 NOTICE

- No responsible for the damage by ignoring the safety instructions of SetPower.
- The use of accessories that are not recommended by SetPower can cause injuries and will invalidate any warranty that you may have.
- Place the products so that they do not collide against each other or break when the appliance is in motion.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Disconnect the power cable from the plug before carrying out any maintenance.

1.3 INTENDED TO USE

This appliance is intended to be used in applications such as:

- Car use, vehicles, board ships, camping trip, overlanding life and so on

1.4 CAUTION

- Keep ventilation openings, clear of obstruction in the appliance enclosure or in the built-in structure.
- Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by SetPower.
- Do not place ice or liquids which are not sealed in containers within the refrigerator.
- Do not place hot products or hot food in this appliance.

1.5 CORRECT DISPOSAL OF THIS PRODUCT

To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the recovery systems or contact the retailer that they can take this product for environmental safe recycling.

- Risk of child entrapment.

Before you throw away your old refrigerator or freezer:

- Take off the doors.
- Leave the shelves in place so that children may not easily climb inside.

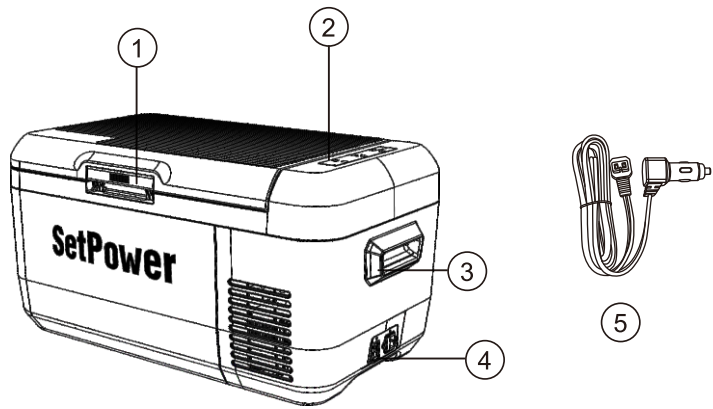
2.SPECIFICATIONS

Model	PT30
External Dimensions (L*W*H)	27.06x15.03x13.74 inches (687.5x382x349 mm)
Capacity	31.7QT / 30L
Net Weight	28.66lbs (13kg)
Temperature Range	-4°F to 68°F (-20°C to +20°C)
Nominal Voltage	DC 12/24V
Shell Material	PP

***Under specific conditions, the fridge can reach -20 degrees Celsius.**

3.OVERVIEW

1. Lid Latch
2. Control Panel
3. Embedded Handle
4. Power Input Port
5. 12V / 24V DC Power Cable



4. USE REMINDERS

Some Reminders

1. If the device was not placed in the upright position after transit and delivery, **please keep it upright for 24 hours** to make sure that the compressor can work properly.
2. If the device can't turn on or you encounter other problems for first time use, please contact us for help.
3. Pre-cool the empty unit before using it to enhance system efficiency.

5.OPERATING INSTRUCTIONS



5.1 HOW TO USE THE REFRIGERATOR










5.1.1 Connecting with 12V or 24V

- Connect the feeding cable to a direct current 24V DC power source.
- Make sure the polarity is right.
- If connected to an existing cigarette plug, please carefully check up that power supply is sufficient.
- If the supplied power cable is not used, please see the table containing the information related to the cable section:

The Fridge/Freezer is designed to operate on DC voltage inputs.






DC input	12V or 24V
DC cable	2.5m,16AWG

5.2 Operation

- **TURN ON OR TURN OFF THE FRIDGE:** With the unit plugged in, press and hold the "  " Button to switch on/off the unit.
- **TEMPERATURE SETTING:** under the startup state, press the "  " button to increase one degree temperature; press the "  " button to reduce the temperature by one degree. Press and hold for 3 seconds "  " or "  " button to adjust upward or downward the temperature at 4 degree per second.
- **ADJUST LEFT OR RIGHT ZONE TEMPERATURE:** operate the "  " or "  " button in the LEFT area, to set LEFT ZONE temperature. Operate the "  " or "  " button in the RIGHT area, to set RIGHT ZONE temperature. The left zone is adjusted at 0°C by default. The right zone is adjusted at 3°C by default.

- TEMPERATURE SWITCH BETWEEN FAHRENHEIT & CELSIUS: plug in the refrigerator, long press and hold the "+" and "-" buttons in the right area at the same time, to enter the settings menu, then short press the "⏻" button to choose the "F" or "C" and then press the "+" or "-" to switch between Fahrenheit and Celsius. F refers to Fahrenheit; C refers to Celsius. Celsius is defaulted.
- SWITCH MAX OR ECO MODE: under the fridge turn on condition, press and hold the "⚙️" button to switch MAX or ECO mode. MAX mode is defaulted.
- SWITCH SINGLE OR DUAL ZONE: When the Left zone is working, press and hold "-" and "⚙️" button for 3 seconds to stop left zone refrigeration, when the right zone is working, press and hold "-" and "⚙️" button for 3 seconds to stop right zone refrigeration, the cooling function and the corresponding screen will turn off. Press and hold the "-" and "⚙️" button at the same time for 3 seconds of the turn-off zone, the cooling function and the corresponding display screen will restore.

5.3 BATTERY PROTECTION FUNCTION

Under the refrigerator is on standby, Press and hold the "  " and "  " buttons ON THE RIGHT BIN at the same time, into the settings menu, then short press the "  " button to enter the battery protection function, and then press the "  " or "  " to switch between HIGH/MID/LOW level. The indicator below shows the battery protection settings. H is defaulted by factory.

Input voltage Protection mode	12V		24V	
	protection value(V)	recovery value(V)	protection value(V)	recovery value(V)
LOW	9.6	10.9	21.3	22.7
MID	10.4	11.7	22.8	24.2
HIGH	11.1	12.4	24.3	25.7

What is Battery Protection Settings?

This function is designed to prevent over-discharge and battery depletion. When the measured DC voltage is below the Cut-off value, the compressor will shut off to prevent battery depletion. After the voltage is higher than Start-up value, the compressor will go back to work again. Improper protection setting or low-power battery may cause E1 error, please lower the battery protection or recharge the battery in time.

6.TROUBLE SHOOTING

6.1 POWER CUTTING IN/OUT

- Your fridge has built in battery protection and needs a minimum 10.9 V to start and 9.6 V to continue operating.
- During operation a load is placed on the power supply and voltage can drop by as much as 2 V, especially if the wiring is insufficient (less than 6mm direct to battery) or if there is a loose connection somewhere.
- If this occurs when you try and start your SetPower and the power supply drops under 10.9 V, it will not start. If this occurs when your SetPower is running and the power supply drops below 9.6 V, it will stop.

6.2 COMMON 12V POWER SUPPLY ISSUES

Battery

- The car battery could be old, undersized or have a dead cell causing too much voltage drop.

Connections

- The 12 V plug, car 12 V socket or any of the connections between the fridge and the battery could be faulty or have come loose since installation.

6.3 ERROR CODES

CODE	Error Type	Action
E1	Battery voltage is low.	Check battery voltage and adjust Low Voltage Cut-Off as required.
E2	Fan failure / Frequent start-stop.	Contact point of sale to arrange further action.
E3	Compressor startup problems.	Check air vents are clear. Move fridge to cooler location(ambient temperature may be too high).
E4	Compressor's running speed fails to reach the requirements.	
E5	The model is overloading.	
E6	NTC failure(open circuit or short circuit).	

7.DEFROSTING

- Defrosting is needed when the layer of frost is thicker than 4 mm.
- To carry out this operation, turn off the refrigerator.
- Do not use sharp or cutting tools to remove the layer of frost or ice.
- Wait until complete unfreezing and then turn on again.

8.MAINTENANCE



Before carrying out any maintenance operation on the refrigerator, take the power cable out of its socket.

9.CLEANING

- Regularly clean the inside and outside of the refrigerator using only warm water and a neutral detergent.
- Subsequent to washing, rinse with clean water and dry thoroughly using a soft cloth.
- Do not use the following: special glass and mirror cleaning products, liquid, powder, or spray detergents, alcohol, ammonia or abrasive products.

- If you are not using the refrigerator, we suggest cleaning it well inside and leaving the door ajar to ventilate the interior.

10.SUGGESTIONS

Should the device fail to work or work badly, before referring to our after-sales service, make sure that:

- a) the feeding voltage is not missing;
- b) the voltage is the same as the one shown on the plate;
- c) the connections and the polarities are right;
- d) the airing grids are not covered over;
- e) the refrigerator unit is not near any heat source;
- f) the fuse of the feeding line is not blown.

11.GENERAL SAFETY MESSAGES



Failure to obey the following warnings could result in death or serious injury:

- ELECTRICAL SHOCK HAZARD. Do not immerse the product in water, or use it in an area that is excessively muddy.
- Do not use the cooler for any purpose other than as a mobile cooling device.



FALL HAZARD. Do not stand on the cooler. Doing so could damage the unit or cause minor to moderate injury.

12.NOTICE

Failure to obey the following notices could result in property damage:

- Keep sand or dirt away from the cooling system ventilation area.
- Do not leave the cooler on the deck of a boat for an extended period. Salt water damage to the cooling system, electronics, or metal hardware could occur.
- Do not expose the cooler to extreme heat.
- Only use mild soap and water to clean the cooler.
- Do not use a DC extension cord.
- Do not use a power strip or two-way splitter.
- Do not use ice cubes or fill the cooler with water. If ice does accumulate at the bottom of the cooler, defrost the unit and use the drain plug to drain the water.
- Do not modify the unit in any way.

- Do not place hot materials (75 °F or higher) in the cooler. Allow materials to cool (50 °F or less) before placing them inside the cooler.
- Do not tip or store the cooler at an angle greater than 30° for extended periods. Compressor oil contamination of the cooling system could occur.
- Allow 2–4 inches of space around the cooler at all times for proper ventilation of the cooling system.
- The cooler must be secured at all times using straps or a mounting plate, especially in mobile applications.



The power supply cable must be replaced only by qualified technical personnel and in any case by an after sales service authorised by the Manufacturer.

SetPower is not liable in any way if you do not comply strictly with all the provisions in this manual.

13. WARRANTY & RETURN

13.1 Warranty

- 3-year Warranty for The Compressor
- 1-year General Warranty
- For Warranty Registration, please contact us for more information.

13.2 Customer Service

- If the product is received damaged or defective, you can contact us via these ways:
 - Customer Support Email: support@setpowerusa.com
 - Amazon Message Service
- If you email us, these information needs to be included:
 - Order ID
 - Unit Model
 - Phone number
 - Description of the Defect
 - Delivery Address
 - Videos or Photos Related to The Defect

Note:

- **Videos or photos** is preferred, because they can help us find out the reason causing the issue and improve the efficiency of solving problems.
- If calling the customer service number out of working time, you can leave a voice/text message. We will respond to you after getting back to work.

13.3 Return Policy

— Amazon-Fulfilled Order

The postage is afforded by Amazon in Amazon return window.

If the return window is expired but still in warranty, the return policy will be same as seller-fulfilled order.

— Seller-Fulfilled Order

If the warranty is not expired, the postage is afforded when the return is confirmed to be caused by **QUALITY ISSUE** of our products.

13.4 Refund & Replacement

- For returns or exchanges, all accessories must be returned in the original condition and packaging.
- After the unit is shipped, please provide us with the tracking number and carrier, so we can track it and process the refund in time.
- After the package is delivered back to our warehouse, a full refund will be initiated.
- If you file a return request on Amazon, we will process it in 48 hours and contact you via Amazon Message Service, please pay attention to your Amazon Message Box or Email in order to **avoid missing important notifications.**

14.FCC WARNING

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

15.APP CONTROL

- APP Download and Installation: Scan the QR code to download the Setpower Android APP or IOS APP.

Note:

- More guide videos can be found on the app.



Android



IOS

OUR GUARANTEE

SetPower product comes with a 3-year warranty on the compressor and 1 year warranty on all other parts for your peace of mind. In the unlikely event this product fails when used according to our user guide, we will either repair or replace it. For full warranty terms and conditions on this product, please see the user guide.

**We'd welcome you to contact us
(support@setpowerusa.com),
if you have any questions about the product.**



official@setpowerusa.com

support@setpowerusa.com

SetPower

3-YEAR WARRANTY

