

PLEASE READ THIS MANUAL BEFORE USE



## Owner's Manual and Safety Instructions



## PORTABLE FRIDGE / FREEZER

[giantpower.com.au](http://giantpower.com.au)

# INTRODUCTION

Please be sure to read the following guidelines before using your Giant Power Portable Fridge/Freezer. Misuse may result in damage to the Portable Fridge/Freezer and/or cause harm or serious injury. This User Manual explains how to setup and safely operate your Portable Fridge/Freezer. If you are in any doubt with how to operate your Portable Fridge/Freezer contact the retailer where you purchased.

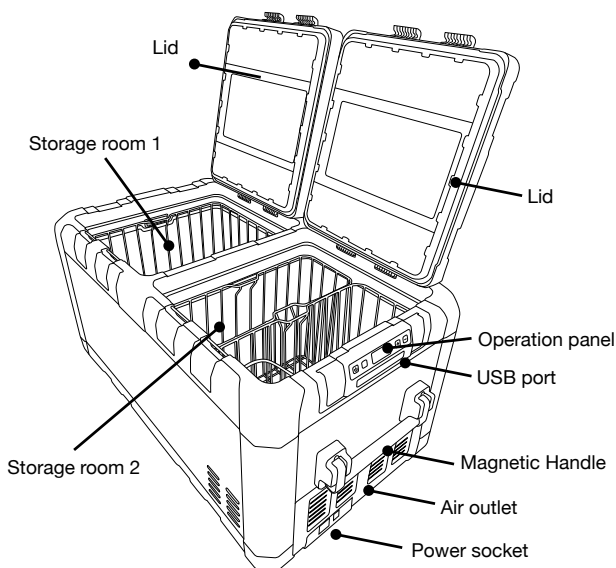
## SAFETY INFORMATION

- Pay attention to the voltage description on the rating label, and ensure that the power cord is connected to right power outlet. Over-voltage can damage the electronics of the device.
- The appliance is only to be used with the power supply unit provided with the appliance.
- If the power cable is damaged, it must be replaced by the manufacturer, customer service or a similarly qualified person in order to prevent safety hazards.
- Disconnect the freezer and other consumer units from the battery before you connect the battery to a quick charging device.
- Corrosive materials can not be stored.
- The appliance should be placed in a dry location, and kept away from splashing water, rain and moisture. Do not immerse in water.
- Do not place the appliance near heat sources such as heaters or in direct sunlight.
- Provide good ventilation, especially around the vents.
- Children should be supervised to ensure that they do not play with the appliance.
- Disconnect the power supply when cleaning or performing maintenance or stop use.

## PARTS LIST

- Fridge/Freezer
- DC cable
- AC cable
- User manual
- 2x Storage baskets
- Handle installation accessory

# ABOUT YOUR FRIDGE/FREEZER



## PRODUCT FEATURES

- The freezer is suitable for cooling and freezing foods or drinks.
- The device is designed to be operated from a 12V DC or 24V DC on-board supply socket of a vehicle (e.g. cigarette lighter), boat or caravan as well as from a 100-240V AC mains.
- The cooling device is also intended to be used in household and similar applications.
- Using high efficiency compressor cooling and insulation materials without CFC free high efficiency compressor cooling and insulation materials.
- Rapid cooling achieved thanks to a DC inverter compressor cooling technology and environmentally-friendly coolant.
- Large capacity, removable storage baskets.
- Accurately control the temperature and settings using the LCD display control panel.
- Built-in safety thanks to the low voltage, power supply and ultra-high temperature protection systems.

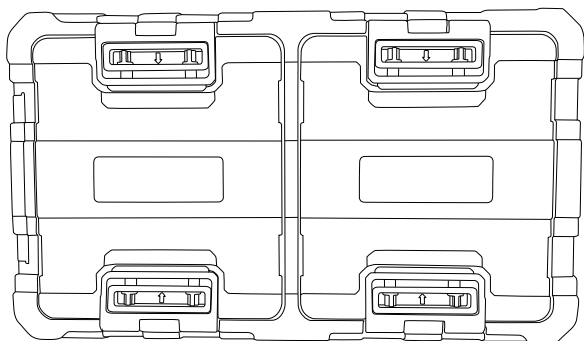
**CAUTION:** When used for cold storage of medication, please review if the cooling capacity matches the medication requirements.

# PREPARING BEFORE USE

## CLEANING

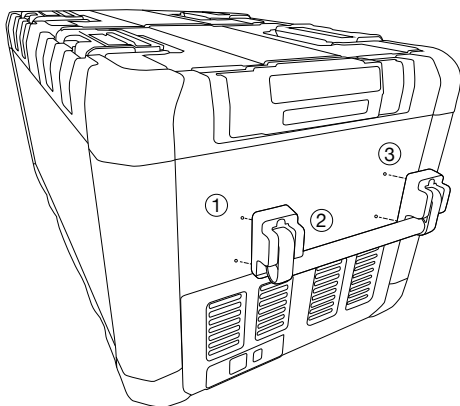
Use a damp cloth to clean the fridge/freezer inside and outside before initial use. For cleaning specifics please refer to the 'Cleaning and Maintenance' section on page 10.

## LID



For convenience the lids can be opened from two sides or completely removed by pressing the two lid latches simultaneously.

## HANDLES



The handles do not come installed. Install the handles by following the below instructions.

1. Fix a left handle bracket onto the fridge with screws.
2. Then push the handle into the left handle bracket.
3. Push the handle into a right handle bracket and screw the bracket into place.

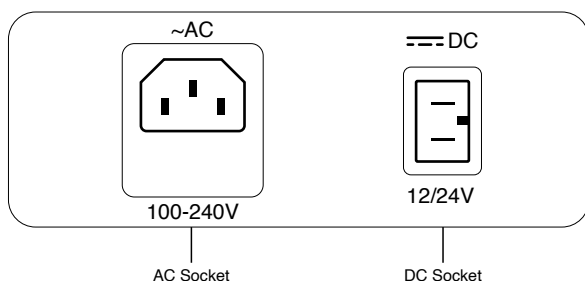
Repeat to install the other handle.

## ENERGY-SAVING TIPS

- Select a well-ventilated place and keep the freezer away from heat or direct sunlight.
- Cool hot food before putting into the freezer.
- Don't frequently open the lid or keep it open for a long time.
- Defrost in time when there is inner frost.
- Set the temperature properly and reduce unnecessary low temperature setting.

## OPERATION AND FUNCTION

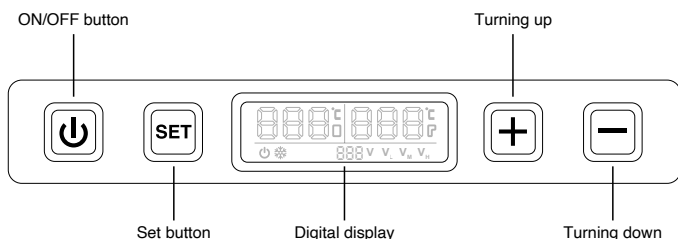
### CONNECTING TO POWER










- Slide emergency switch to **NORMAL USE** position.
- Insert DC plug into a car cigarette lighter socket or other DC 12V/24V socket.
- For use with alternating current AC 100-240V, insert the AC plug into an AC socket.

**NOTE:** During normal using, emergency mode is not applicable. Emergency mode is only used while the operating panel is malfunctioning.

### OPERATING PANEL

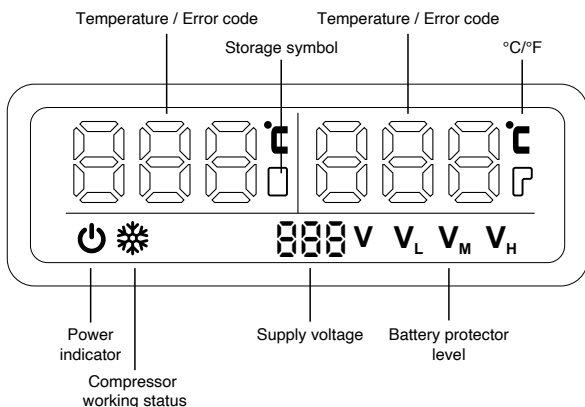


## TURNING ON THE FREEZER





- After switching the power on, the power indicator  icon will light up on the LCD display. The fridge/freezer is now in standby.
- Press the  button three seconds continually, the LCD display will light up, the power indicator  icon will extinguish. The digital display shows the current interior temperature, supply voltage and other setting parameters, the  icon indicates the fridge/freezer has start working.
- The  shows the working status of the compressor,  light up shows the compressor is working,  extinguish shows the compressor has stopped working.


**CAUTION:** Place the freezer in a well ventilated dry location, and check that the heat dissipation outlet is not blocked.

## SETTING THE TEMPERATURE





For models with the Dual Zone feature the LCD display has 2 temperature read-outs, one for each bin compartment.

- To set the temperature of each individual bin compartment press the  button once to set left bin temperature and twice to set right bin.
- Press both the   buttons to set the temperature from  $-18^{\circ}\text{C}$  to  $10^{\circ}\text{C}$ , or  $0^{\circ}\text{F}$  to  $50^{\circ}\text{F}$ . The setting temperature appears on the display for a few seconds. The display flashes several times and then the interior temperature is displayed again.
- Press the  button to confirm the setting temperature.

To change between centigrade ( $^{\circ}\text{C}$ ) degree and Fahrenheit degree ( $^{\circ}\text{F}$ ) display modes press the  button three times.

**NOTE:** If the ambient temperature is above  $+32^{\circ}\text{C}$  ( $+90^{\circ}\text{F}$ ), the minimum temperature cannot be attained.

The set-up parameters remain in memory when the fridge/freezer is turned on again.

When the fridge/freezer's interior temperature reaches the setting temperatures, the compressor will stop operating. The power indicator  light will turn an orange color. When the fridge/freezer is powered on the colour of the power indicator  light shows the compressor status, green indicates working, orange indicates stopping.




## **BATTERY PROTECTOR SETTING**

The device is equipped with a multi-level battery protector that protects your vehicle battery against excessive discharging when the device is connected to the on-board 12/24V supply.

If the fridge/freezer is operated when the vehicle ignition is switched off, the fridge/freezer switches off automatically as soon as the supply voltage falls below a set level. The fridge/freezer will switch back on once the battery has been recharged to the restart voltage level.

### **NOTICE! Danger of damage!**


When switched off by the battery monitor, the battery will no longer be fully charged. Avoid starting repeatedly or operating current consumers without longer charging phases. Ensure that the battery is recharged.

- Press the  button for 4 times, then come into battery protection setting mode; press the   buttons to change between the level settings; Digital display will be as follows: V<sub>L</sub> (LOW), V<sub>M</sub> (MED), V<sub>H</sub> (HIGH).

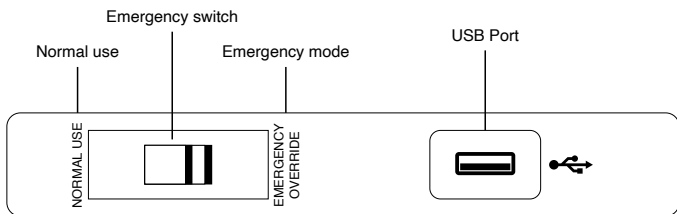
The selected mode then appears on the display for a few seconds.

The display flashes several times before it returns to the current temperature.

## **TURNING OFF THE FREEZER**

In working status, press and hold the  button for three seconds to turn off the freezer. Pull out the power plug.

## EMERGENCY MODE



If the operating panel malfunctions, Emergency mode (EMERGENCY OVERRIDE) is applicable.

Slide the Emergency switch to the EMERGENCY OVERRIDE position to start this function. In this mode, the temperature setting function is not available, refrigerating speed is down, and this mode is only for provisional use.

During normal use, emergency mode is not applicable. Emergency mode is only used while the operating panel is malfunctioning.

**CAUTION:** This mode is not suitable for long time food storage, if the switch is in the EMERGENCY OVERRIDE position, the freezer with full cooling capacity supercooled temperature may freeze the food.

## USB PORT FOR POWER SUPPLY

USB port allows you to charge small devices like mobile phones and MP3 players.

To use your fridge/freezer with USB devices, simply connect a USB cable (not included) to your device.

**NOTE:** Ensure that any small device connected to the USB port is compatible with 5V/500mA operation.

## MANIPULATING OF BATTERY PROTECTOR (LOW VOLTAGE PROTECTION)

While the battery's voltage drops to the set-up data, compressor will stop working, so as to protect the battery against over discharge; once the battery's voltage reaches the restart data after charging, compressor will start immediately.

While the battery's voltage is too low, the battery protector will take effect. A red malfunction indicator light will blink. Now you need to charge the battery.

While the battery protector cut off the battery connection, you should warrant the battery to be charged sufficiently, so as to avoid frequent restarting of compressor.



## Voltage range of battery protector:

Power Supply	Status Battery protector	Low Mode	Medium Mode	High Mode
DC 12V	Cutting-off Voltage	10.1±0.3V	11.4±0.3V	11.8±0.3V
	Restarting Voltage	11.1±0.3V	12.2±0.3V	12.6±0.3V
DC 24V	Cutting-off Voltage	21.5±0.3V	24.1±0.3V	24.6±0.3V
	Restarting Voltage	23.0±0.3V	25.3±0.3V	26.2±0.3V

When the fridge/freezer is supplied by the auto starter battery, V<sub>H</sub> mode setting is proposed, so as to warrant that vehicle's battery power is in high level.

If you use additional battery for power supply, V<sub>L</sub> mode setting is applicable.

The fridge/freezer is designed to have the function to rework when connect to power after power off. If the fridge/freezer is shutdown under an abnormal situation, it will work automatically when connected to power again.

## DEFROSTING

Humidity can form frost in the interior of the cooling device or on the evaporator. This reduces the cooling capacity. Defrost the device in good time to avoid this.

Defrosting steps are as below:

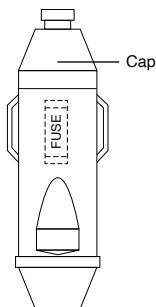
- Take the stored material from the fridge/freezer.
- If it is necessary, the stored material could be stored in another fridge/freezer.
- Cut off the power, open the fridge/freezer's lid, and keep it open until the ice and frost melt away.
- Use a clean cloth to wipe off the defrosted water.

**CAUTION:** Never use hard or pointed tools to remove ice or to loosen objects which have frozen in place.

## REPLACING FUSE AND THE INTERIOR LIGHT

Follow the below steps for replacing the plug fuse (12/24V):

- Unplug the DC power plug.
- Turn the cap anticlockwise to remove.
- Replace the defective fuse with a new one that has the same rating 32V 10-15A.
- Tighten the cap.



**WARNING:** The rated current for the fuse should be within 10-15A, no less than 10A and Max is 15A. A fuse with rated current less than 10A will be easily burnt during compressor starting procedure; a fuse with rated current more than 15A will burn the battery fuse in the car when the fridge/freezer uses the car battery.

Follow the below steps for replacing the Display Panel:

- Unplug the power plug and open the fridge/freezer's lid.
- Pry out the transparent cover with a screwdriver.
- Unscrew the Display Panel mounting board.
- Pull out the connector wire terminal from the Display Panel.
- Replace the defective Display Panel with a new one.
- Fit new Display Panel using reverse of removal instructions.
- Press the transparent cover back into the housing.

## CLEANING AND MAINTENANCE

Always disconnect the device from the mains before you clean and service it.

- Occasionally clean the device interior and exterior with a damp cloth. Do not use abrasive cleaning agents or hard objects during cleaning as these can damage the fridge/freezer.
- Clean the heat dissipation vents frequently to ensure good heat dissipation.
- Do not leave the fridge/freezer off with food inside or the lid closed.

# TROUBLESHOOTING

The Error codes are depicted by a number on the LCD display.

Fault code	Reason	Solution
Power indicator light is not on, fridge/freezer does not work	No power input	Check the input power. In most vehicles the engine must be on to apply current to the cigarette lighter
	Fuse burnt	Change the fuse
	Vehicle-mounted fuse burnt	Refer to vehicle operating manual to change the fuse
	Cigarette lighter socket does not connect well	Clean cigarette lighter socket or check whether plug connects correctly
Error code Er1 or Er2	Temperature sensor broken	Repair at appointed maintenance centre
Temperature control failure	Temperature sensor broken	
	Under Emergency mode	Slide to NORMAL USE mode
LCD display the error code	Er1: Battery protector stop working (voltage lower than setting range)	Check if the power supply matches the setting level of the battery protector
	Er2: Fan over-current	Repair at appointed maintenance centre
	Er3: Compressor motor start failure	Will eliminate automatically after the system pressure balances
	Er4: Less than the minimum speed of compressor's motor	
	Er5: Electronic controller overheat	Place the fridge in a well-ventilated place, turn it off for 30 minutes and restart.

If an Error indicator light blinks, the compressor will restart every 60 seconds until it starts successfully.

Under EMERGENCY MODE, if the Error indicator light blinks every 4 seconds, it means that input voltage is lower than lowest starting voltage, you need to charge your battery.

# WARRANTY

Full warranty information for your Giant Power Fridge/Freezer is available at the retailer you purchased your battery from.

## WARRANTY CONDITIONS

- The warranty period is not renewed or extended as a result of a warranty repair or replacement.
- The sales receipt for the product must be provided as a proof of purchase when a warranty claim is made
- The warranty is not transferable and is only offered to the original end user of the product.
- The warranty only applies to products purchased through authorised resellers.
- To the extent that any conditions or warranty implied by law is excludable, such a condition or warranty is excluded.

## WARRANTY EXCLUSIONS

Warranty is void if the defect or fault is caused by:

- Failure to follow proper installation, operation or maintenance of the product.
- Inappropriate or improper use of product for purposes other than that for which it was designed.
- Neglect, lack of care, poor handling or accidental damage.
- Repairs, alterations or modifications performed by a third party without explicit consent.
- Tampering or alterations to the product markings or labelling.
- Contamination of product by foreign material.

If in doubt about the warranty period on your product, please contact the retailer you purchased your battery through.

For more information, please contact  
Aussie Batteries on 1800 853 315 or  
visit [aussiebatteries.com.au](http://aussiebatteries.com.au)

