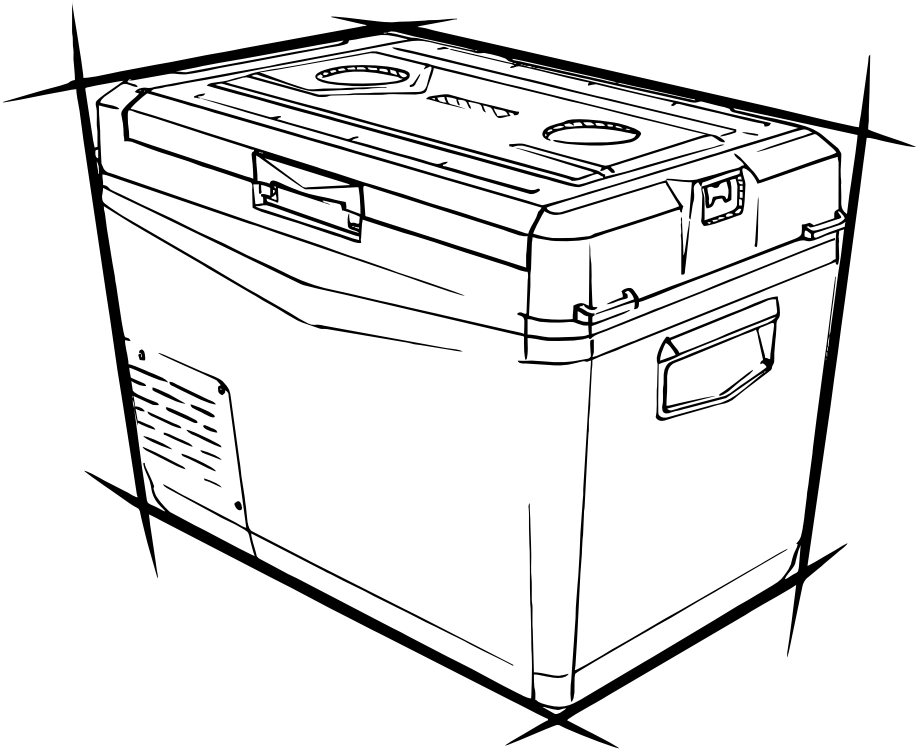
GH2300/2302/2304

PORTABLE FRIDGE/FREEZER



INSTRUCTION MANUAL

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WARNINGS & SAFETY INFORMATION

WARNING: The manufacturer is not responsible for any potential injury from misuse

Warnings

- Do not operate the appliance if it is visibly damaged.
- Do not block the gaps of the fridge with things like pin, wire, etc.
- Do not expose the appliance to rain or soak it in water.
- Do not place the appliance near naked flames or other heat sources (heaters, direct sunlight, gas ovens etc.)
- Do not store any explosive substances like spray cans with a flammable propellant.
- Ensure the supply cord is dry and not trapped or damaged. Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.
- Check the voltage specification on the type plate corresponds to that of the energy supply.
- The appliance is only to be used with the power supply unit provided with the appliance.
- Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
- Once unpacked and before turning on, the appliance must be placed on a level surface for more than 6 hours.
- Make sure that the appliance stays horizontally when it is running. The tilt angle must be less than 5° for long time running and be less than 45° for short time running.
- Keep the ventilation openings in the unit casing or in the built-in structure free of obstacles.
- Keep the appliance stable on the ground or in the car; Do not drain upside down.
- When positioning the appliance, ensure the supply cord is not trapped or damaged.
- Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.
- 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.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Risk of fire/ flammable materials

Caution

- Repairs may only be carried out by qualified personnel. Incorrect repair may cause danger.
- The lamp and supply cord must be replaced by the manufacturer or qualified

persons.

- The installation of DC power in the boat must be handled by qualified electricians.
- Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- The appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they've been given supervision or instruction concerning use of the device in a safe way and understand the hazards.

Notice

- Disconnect the power supply before each cleaning and maintenance and after every use.
- Do not use sharp tools to defrost; Do not damage the refrigerant circuit.
- 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.
- Check if the cooling capacity of the appliance is suitable for storing the food or medicine.
- Food may only be stored in its original packaging or in suitable containers.
- If the appliance is left empty for long periods, switch off, defrost, clean, dry, and leave the door open to prevent mould developing within the appliance.
- The appliance is intended to be used in household and similar applications such as:
- Staff kitchen areas in shops, offices and other working environments;
- Camping, Farm houses and by clients in hotels, motels and other residential environments;
- Bed and breakfast type environments;
- Catering and similar non-retail applications.
- To avoid contamination of drink, please respect the following instructions:
- Opening the door for long periods can cause a significant increase of the temperature in the compartments of the appliance.
- Clean regularly surfaces that can come in contact with drink and accessible drainage systems.
- Store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with or drip onto other food;
- Store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with or drip onto other food.
- If the refrigerating appliance is left empty for long periods, switch off, defrost, clean, dry, and leave the door open to prevent mould developing within the appliance.
- Please according to local regulations regarding disposal of the appliance for its flammable refrigerant and blowing gas.

BEFORE FIRST USE

Prior to using your product, please read all the safety and operating instructions thoroughly. Please ensure you follow the steps below before using the product. We recommend you keep the original packaging for storing the product when not in use.

Please pay close attention to the section entitled Warnings & Safety Information. Find a safe and convenient place to keep this instruction manual for future reference.

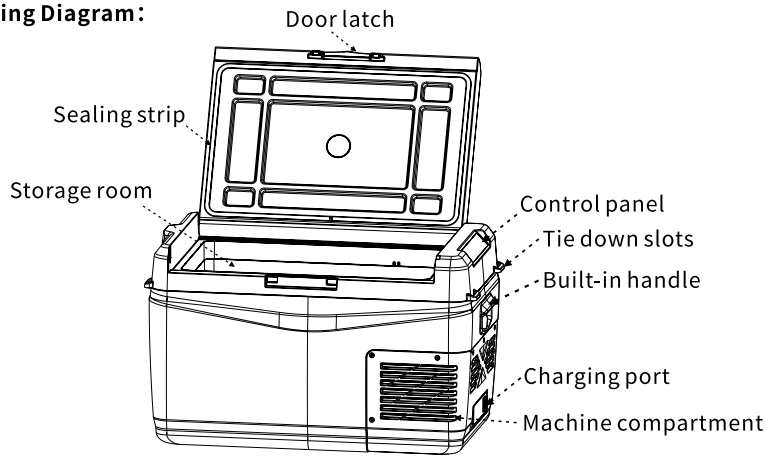
Unpack the product but retain all packaging materials until you are satisfied that your new product is undamaged and in working order. Ensure you have all accessories listed in this manual.

FEATURES

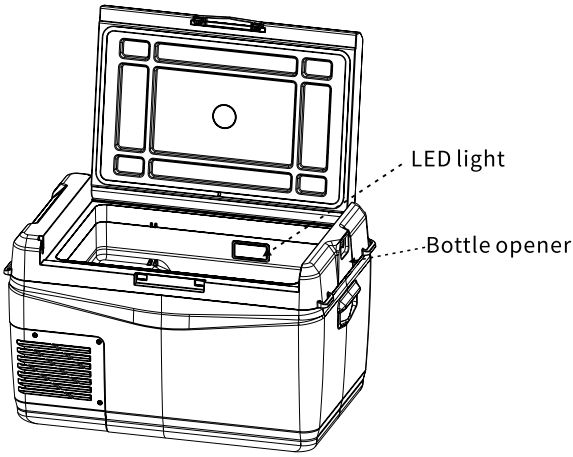
- High-efficiency compressor and conversion module.
- CFC free and great heat insulation.
- DC 12/24V or Optional AC 100~240V Power Supply (Sold separately)
- Fast cooling to -20°C/-4°F (based on 25°C/77°F room temperature).
- Three stage battery protection system prevents vehicle from running out of battery.
- Specific parts: LED display, interior LED light, tie down slots, built-in handle, bottle opener.

PRODUCT DIAGRAM

Door Opening Diagram:



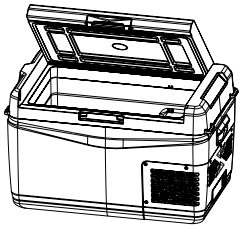
ReverseDoor Opening Diagram:



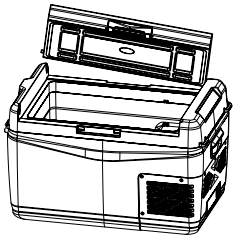
REVERSE DOOR OPERATION

The door opening direction can be changed according to actual needs, please follow the instructions below:

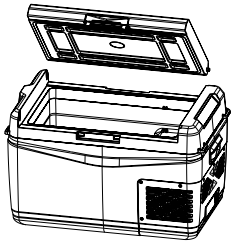
Door Disassembly:



Open the door at a 45° angle

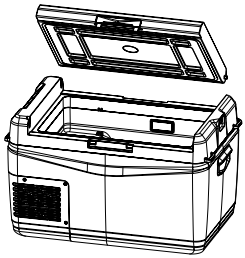


Take off the door from one side

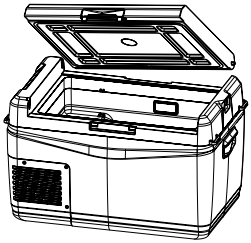


Take off the door from the other side

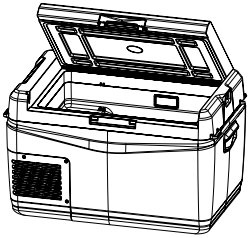
Door Installation:



Change the direction of the box，position the door at a 45° angle to the box

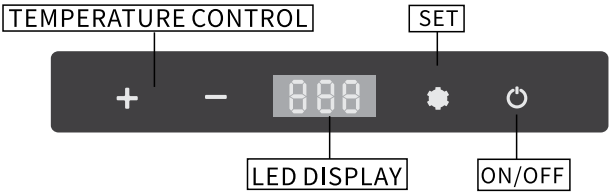


Align the door shaft with the hole on one side and insert it



Fix the door on the other side, installation finished

OPERATION



- **Power Supply:** connect to DC 12V/24V or AC 100-240V power (using dedicated adapter).
- **Display Screen Initialization:** the screen will be on for 1 second after connecting to the power supply.
- **Power On/Off:** press ⏻ to switch ON/OFF.
- **Temperature Setting:** press + or - for temperature setting, the setting will be saved automatically after stopping operating for 3 seconds (Note: the temperature displayed is the current temperature of the compartment, it'll take a while to reach the set temperature.)
- **Temperature setting range:** -20~20°C (-4~68°F)
- **Cooling Mode:** under the running state, press ✿ to switch HH (fast cooling) or ECO (Energy saving Mode). (*Factory setting is HH.)
- **Battery Protection Mode:** under the running state, long press ✿ for three seconds until screen flashes, then press ✿ again to select protection mode H(High), M(Medium) and L(Low) (*Factory setting is H).
- **Voltage Reference:**

INPUT / MODE	DC 12V		DC 24V	
	CUT OUT	CUT IN	CUT OUT	CUT IN
L	8.5V	10.9V	21.3V	22.7V
M	10.1V	11.4V	22.3V	23.7V
H	11.1V	12.4V	24.3V	25.7V

*The voltage is theoretical value, there may be a deviation in different sceneries.

*H should be set when the product is connected to car power, and M or L should be set when it is connected to a portable battery or other back-up battery.

- **Temperature Unit Setting:** switch off the fridge, long press ☼, for three seconds until E1 displays, then switch to E5 by pressing ☼ again. Under E5 mode, press+ or - to select Celsius or Fahrenheit.(*Factory setting is °C.)
- **Reset:** switch off the fridge, long press ☼, for three seconds until E1 displays, under E1 mode, long press + - at the same time until the screen displays "888".

FOOD STORAGE

Freezer (-4° F~32° F)(-20°C~0°C):

Meat should be cut and packed properly when placed in the fridge.

Do not put the fresh food and frozen food together.

Do not store glass containers or other containers which seal in liquid in the freezer, to avoid explosion.

Refrigerator (32° F~50° F)(0°C~10°C):

Egg, butter, milk and bottle drinks can be stored.

All food should be packed appropriately before being stored in the fridge.

Place food in refrigerator after it gets cool in order to save energy.

TROUBLESHOOTING

ISSUE	SUGGESTED REMEDY
Refrigerator does not work	• Check if the switch is on. • Check if the plug and socket are connected well. • Check if the fuse has been burnt. • Check if the power supply is malfunctioned. • Switch on/off the fridge frequently may cause start delay of the compressor
Refrigerator compartments are too warm	• The lid is opened frequently. • A large amount of warm or hot food was stored recently. • The refrigerator has been disconnected for a long time.
Food is frozen	The temperature was set too low
There is “water flow” noise from inside the refrigerator	It’s a normal phenomenon, caused by the flow of refrigerant.
There are waterdrops around the refrigerator casing or door gap	It’s a normal phenomenon, the moisture will condense to water when it touches a cold surface of the refrigerator.
The compressor is slightly noisy when starting	It’s a normal phenomenon, the noise will be reduced after the compressor works stably.
Code F1 displayed	Possible cause: low voltage to fridge. Adjust the battery protection from High to Medium or from Medium to Low.
Code F2 displayed	Possible cause: condenser fan is overloaded. Disconnect power to fridge for 5 minutes & re-start. If the code shows again, contact manufacturer for service.
Code F3 displayed	Possible cause: the compressor starts too frequently. Disconnect power to fridge for 5 minutes & re-start. If the code shows again, contact manufacturer for service.
Code F4 displayed	Possible cause: compressor not kicking in. Disconnect power to fridge for 5 minutes & re-start. If the code shows again, contact manufacturer for service
Code F5 displayed	Possible cause: overheating of the compressor & electronics. Disconnect power to fridge for 5 minutes & re-start. If the code shows again, contact manufacturer for service.
Code F6 displayed	Possible cause: no parameter can be detected by the controller. Disconnect power to fridge for 5 minutes & re-start. If the code shows again, contact manufacturer for service.
Code F7 or F8 displayed	Possible cause: temperature sensor is faulty. Contact manufacturer for service.

CLEANING, CARE, STORAGE & MAINTENANCE

WARNING: Never use hard or sharp tools to remove ice or to loosen objects frozen in place.

Cleaning

- Unplug the device first to avoid electric shock.
- Use wet cloth to clean the device and dry it.
- Remove the cover and drain from the hole at the bottom of the device.
- Do not soak the device in water and do not wash it directly.
- Do not use abrasive cleaning agents as these can damage the device.

Storage

- If the device will not be in use for a long time, please follow the steps:
- Turn off the power and remove the plug.
- Remove all the items stored in the device.
- Remove the cover and drain from the hole, wipe off excess water with a soft rag.
- Leave the lid slightly open to prevent odour formation.
- Put the device in a cool and dry place.

Defrosting

- Humidity can form frost in the interior of the cooling device or on the evaporator, which will affect the cooling performance. Defrost the device regularly to avoid this.
- Switch off the device.
- Take out the contents of the device.
- Keep the lid open.
- Remove the cover and drain from the hole.
- Wipe off the defrosted water.

SPECIFICATIONS

Model	GH2300	GH2302	GH2304
Input Voltage	12/24V DC, (To power from mains use the optional 240V AC to 12V DC power adapter - sold separately)		
Max Power	60W (Compressor running)		
Temperature Range	-20 to +20°C (ambient temp. 25°C)		
Power Consumption	0.26kw.h / 24hr		
Rated Current for DC	5A (12V) / 2.5A (24V)		
Refrigerant	R134A (40g)		
Insulation	100% CFC & HFC free PU		
Dimensions	614*371*376mm	614*371*446mm	614*371*516mm
Net Weight	11.4kg	12.5kg	13kg

*Due to product improvement, the technical information might be different from actual information, please refer to the rating label on the product.

WARRANTY INFORMATION

Our product is guaranteed to be free from manufacturing defects for a period of 3 years.

If your product becomes defective during this period, Electus Distribution will repair, replace, or refund where a product is faulty; or not fit for intended purpose.

This warranty will not cover modified product; misuse or abuse of the product contrary to user instructions or packaging label; change of mind and normal wear and tear.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and failure does not amount to a major failure.

To claim warranty, please contact the place of purchase. You will need to show receipt or other proof of purchase. Additional information may be required to process your claim.

Any expenses relating to the return of your product to the store will normally have to be paid by you.

The benefits to the customer given by this warranty are in addition to other rights and remedies of the Australian Consumer Law in relation to the goods or services to which this warranty relates.

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