

22L
Truck Fridge/Freezer
GH-1610
User Manual

Version 2.0

FEATURES

- DC power connection
- High-efficiency DC compressor and conversion module
- Digital temperature display with adjustable control
- 3 Year Warranty
- 3-stage low voltage battery protection
- When the refrigerator is tilted more than 40 degrees, it will automatically cut off the power to protect the compressor.

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SPECIFICATIONS

Input Voltage:	12/24VDC
Average Power Consumption:	45W
Power Consumption:	0.25kw.h/24hr
Rated Current:	3.75A/1.875A
Temperature Range:	-18°Cto+10°C (with ambient temperature at 25°C)
Refrigerant:	R134a
Insulation:	100% CFC & HFC free PU Foam insulatio
Dimensions:	L500mm x W435mm x H250mm

SAFETY


- The installation of DC power sources in a boat or truck must be handled by a qualified electrician
- Make sure to connect power to the suitable voltage socket
- No electrical devices are to be used inside the product
- The product can be powered on only after being unpacked and put on a flat level surface for over 6 hours
- Fridge operating angle:- The fridge can be operated indefinitely at up to 5 degrees, and can be operated at between 6 and 45 degrees for up to 30mins.
- Product must be well ventilated. Ensure there is a minimum of 200mm clearance at the back, and 100mm around the sides
- The product should be in a well-ventilated space, away from heat sources. Try to avoid direct exposure to sunlight
- Keep product stable
- When there is water inside the tank, do not turn the product upside down to empty. Dry the water, do not soak in water
- Do not put metal in the air inlet vent, outlet vent, or gap
- Do not connect with power except 12/24VDC
- Do not soak the product in water or wash with water
- The product should not be repaired. If there is any issues please consult the place of purchase
- Turn off the product before cleaning to avoid electric shocks or other issues
- Keep product away from wet or humid places

OPERATION

This refrigerator adopts electronic temperature control, and the control panel is located directly on top of the refrigerator, as shown below:



•How to turn on the Fridge

- 1.Connect to power
- 2.Press and hold power button  for 3 seconds.
- 3.The internal temperature will display and the compressor will start






•Press button  or  to set the temperature to 10°C - -18°C

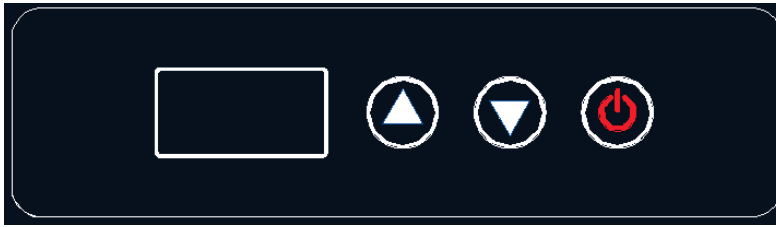
•How to turn off the Fridge

Press and hold power button  for 3 seconds.

USING IN VEHICLES

The product has a three-level battery protection function, which not only guarantees the normal operation of the product, but also protect the battery of the vehicle.

When in the standby state, long press button  and  for 3 seconds until it shows setting state , then short press button  and the display screen flashes F1,F2, F3 ,F4, F5 in circles.When it displays F4, press button  or  to select the battery protection level(H1-Low; H2-Middle, H3-High).THE factory default is set to H3 level.



The refrigerator works or stops in the following voltage range. When the input voltage reaches the minimum limit, the compressor automatically stops to protect the battery power; when the voltage returns to the starting value, the compressor will automatically run normally.

The specific parameters of battery protection levels are as follows:

Level \ In put	12VDC		24VDC	
	Cut out	Cut In	Cut out	Cut In
H1	8.5V	10.9V	21.3V	22.7V
H2	10.1V	11.4V	22.3V	23.7V
H3	11.1V	12.4V	24.3V	25.7V

Note: Due to the voltage drop, the actual value will have an error of 0.3V. This is normal.

H3 should be set when the product is connected to car power, and H2 or LH1 should be set when it is connected to a portable battery or other back-up battery. Because of the different output voltages between vehicles, the battery protection level can be set from H3 to H2 or from H2 to H1 if there is a voltage protection code E1 shown on the panel. The battery protection level should be set to H3 if the product will keep working after turning off the car engine, or the product may drain the battery.

CLEANING & MAINTENANCE

1. Do not wash the product with water or soak.
2. Please disconnect from power before cleaning the fridge to avoid electric shock.
3. Remove the plug at the bottom of the fridge to drain any liquids that have accumulated inside.
4. Clean it with a soft wet cloth.

If the fridge will not be used for a long period of time please ensure you:

1. Turn it off and disconnect it from power
2. Remove all the food and drinks or other contents from inside.
3. Drain any remaining water through the drain plug (Bung) and dry it with a soft cloth.
4. Keep away from wet or humid places.

TROUBLESHOOTING

- The product is not working:
 - Check the power supply is working
 - Check if the plug and socket are connected
 - Check the fuse
 - Check power switch on control panel is on
- Food inside the product is frozen:
 - Temperature is set too low
- Water flowing sound inside the tank:
 - Refrigerant is flowing, this is normal

- Water drops around the case or door gap:
 - When moisture in the air meets the lower temperature case, it will naturally become liquefied and condensed. Wipe away with a towel or soft cloth
- Code E1 displayed:
 - Low voltage protection is activated. When the battery voltage reaches the cut in value of the corresponding battery protection level, the refrigerator will automatically resume normal operation.
- Code E2 displayed:
 - Fan overload protection. Please turn off the product and restart it after 30 minutes. If the code displays again, please contact the place of purchase
- Code E3 displayed:
 - Compressor frequent start protection. Please turn off the product and restart it after 30 minutes. If the code displays again, please contact the place of purchase
- Code E4 displayed:
 - Compressor is overloaded or working at a low speed. Please turn off the refrigerator and restart it after 30 minutes. If the code displays again, please contact the place of purchase
- Code E5 displayed:
 - High temperature compressor module protection. Please move the product to a ventilated area and turn it off for 30 minutes then restart it. If the code displays again, please
- Code E6 displayed:
 - No parameter can be detected by the controller. Please restart the product. If the code displays again, please contact the place of purchase
- Code E7 / E8 displayed:
 - Code E7 / E8 displayed:

The warranty for this product is 3 years from date of purchase. During the warranty period the following are excluded from coverage:

- Intentional damage
- Damage by fire, flood, etc
- Damage or malfunction caused by incorrect usage and not following this user manual
- Damage or malfunction caused by disassembling

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