

**20L**  
**Drawer Fridge / Freezer**  
**GH-2008**  
**User Manual**

## FEATURES

- Intelligent battery protection system.
- Removable wire rack to adjust inner space
- Flexible drawer design.
- DC power connections
- High-efficiency DC compressor and conversion module
- Dual mode operation (Max & Economy)
- Digital temperature display with adjustable control
- 3 Year Warranty
- 3-stage low voltage battery protection
- APP control Via Bluetooth

## BOX CONTENTS

- 1 x Drawer Fridge / Freezer
- 1 x 12 / 24V Car Cigarette Power Lead

## SPECIFICATIONS

Input Voltage:	12 / 24V DC (To power from mains use the optional 240V AC to 12V DC power adapter)
Average Power Consumption:	60W
Power Consumption:	0.28kw.h/24hr
Rated Current for AC(Adaptor):	1.5A - 0.7A
Rated Current for DC:	5.0A(12V) / 2.5A(24V)
Temperature Range:	-20°C to + 20°C (with ambient temperature at 25°C)

Refrigerant:


R134a

Insulation:

100% CFC & HFC free PU  
Foam insulation

## SAFETY

To prevent damage to your product or injury to yourself or to others, read the following safety precautions in their entirety before using this fridge. Keep these safety instructions where all those who use the product will read them.

 This icon marks warnings. Failure to obey these warnings could result in malfunction of your fridge or possible injury to yourself or other users.

- Do not expose your fridge to heat or direct sunlight.
- Do not place in humid places to avoid electric shock.
- Do not connect to other power except 12V/24VDC, or the 240V AC to 12V DC adapter (sold separately).
- Do not put metal in the air inlet vent, outlet vent, or gap.
- Do not soak the product in water or wash with water.
- Do not allow children to play on or in fridge.
- Do not use the fridge if abnormalities are noticed such as smoke, overheating, leakage etc.

## **Notices**

- Use a damp cloth to clean your fridge before use.
- Make sure the supply voltage is within the proper range for the socket and cable being used.
- The fridge should be unpacked and stood upright on a level surface for at least 6 hours before switching it on.
- 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.
- The installation of a DC power source should be handled by qualified technician .
- Please contact the place of purchase for maintenance if your fridge gets malfunctional.

## OPERATING THE FRIDGE SAFELY

### CAUTION

- Before starting the fridge, ensure that the power supply line and the plug are dry.

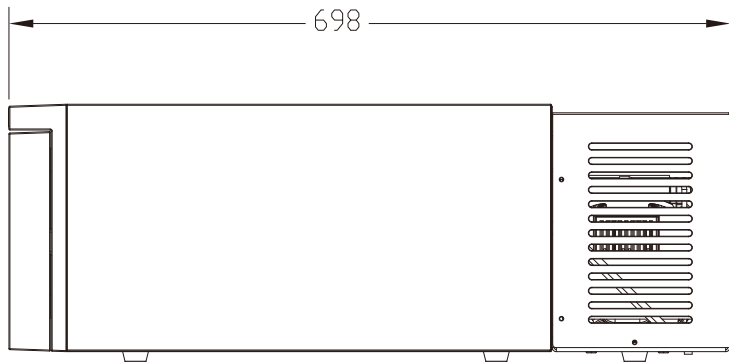
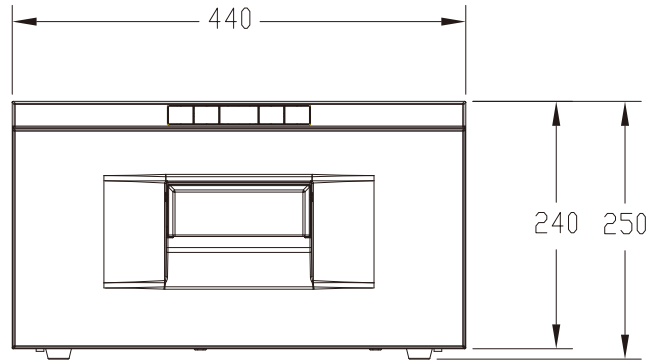
### NOTICE

- Do not use electrical devices inside the fridge.
- Do not place the fridge near naked flames or other heat sources (heaters, direct sunlight, gas ovens etc.).
- Danger of overheating!

Ensure at all times that there is a minimum of 50 mm ventilation for back side and 10 mm ventilation for all four sides of the cooling device. Keep the ventilation area free of any objects that could restrict the air flow to the cooling components. Do not place the fridge in closed compartments or areas with none or minimal air flow.

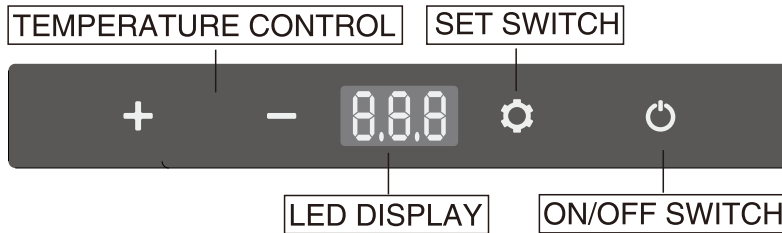
- Ensure that the ventilation openings are not covered.
- Do not fill the inner container with ice or fluids.
- Never immerse the fridge in water.
- Protect the fridge and the cable against heat and moisture.
- For heavy goods vehicle operation: Empty the fridge and switch the device off , before the driver's cabin is tipped up.

# DIMENSIONS



**GH-2008**


# OPERATION





1)**Display Screen Initialization**:connect to DC 12V/24V power or AC 100-240V power (with an optional adapter), the buzzer will make a long beep, and the display will light up for 2 seconds then enter the normal operating mode.

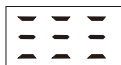
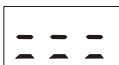
2)**Power On/Off** : Press "  " to switch ON/OFF.

3)**Temperature Setting**:Press " + " or " - " for temperature setting. Range:-20°C-+20°C.

4)**Cooling Mode**:Press "  " to choose HH (Fast cooling) or EE(Energy-saving).\*Factory setting is HH.



5)**Battery Protection Mode**:Long press "  " for three seconds until screen flashes, then select three battery protection modes H(High), (Middle) and L(Low) by clicking "  ".(\*Factory setting is H )



From left to right: L/M/H.

Due to the different output voltages between vehicles, 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. The battery gear should be set from H to M or from M to L if there is a voltage protection code F1 shown on the panel. The battery gear should be set to H if the product keeps working after turning off the car engine, or the product may drain the battery.

### Three Level Battery Protection Voltage Reference

LEVEL	CUT OUT	CUT IN
L	9.0V	10.9V
M	10.1V	11.4V
H	11.1V	12.4V

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

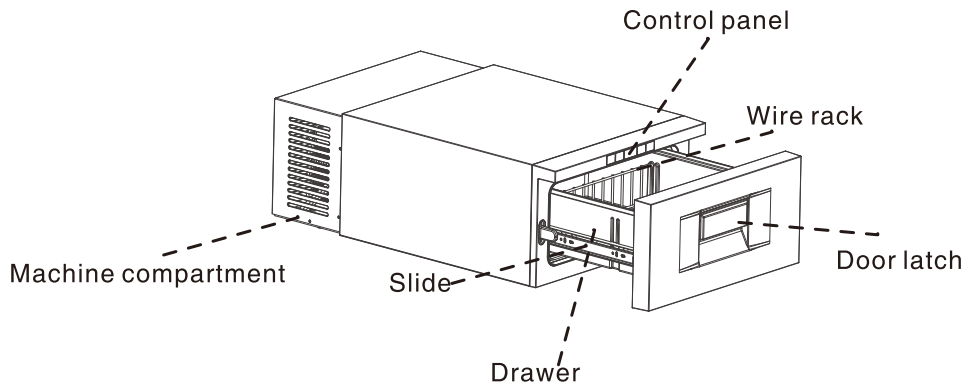
**6)Teperature Unit Setting:**Turn off the fridge then long press " ⚙️ " until displays E1, keep pressing " ⚙️ " until displays E5, and press " + " or " - " to select Celsius or Fahrenheit.

**7)Reset:** switch off the fridge, keep pressing " ⚙️ " until E1 displays, then press " + " and " - " at the same time until displays as below:

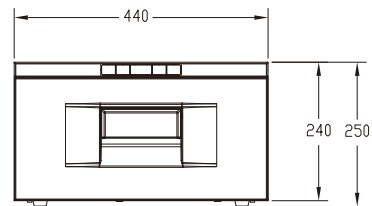
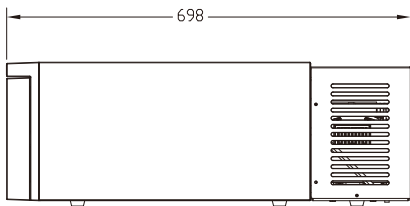




# COMPONENTS AND INSTALLATION



1) Ensure that the refrigerator is not damaged when opening the packaging after receiving the product. Any transportation damage must be reported promptly to the reseller. Handle the product with the utmost care and attention.



2) Install the fridge carefully to avoid damage. The fridge dimension is 698\*440\*250mm, there should be enough back space (50mm minimal) and side space (10mm minimal) to keep good ventilation.

## FOOD STORAGE

- **Freezer (-4° F~32° F)(-20°C~0°C):**



1. Meat should be cut and packed properly when placed in the fridge.
2. Do not put the fresh food and frozen food together.
3. Do not store glass containers or other containers which seal in liquid in the freezer, to avoid explosion.

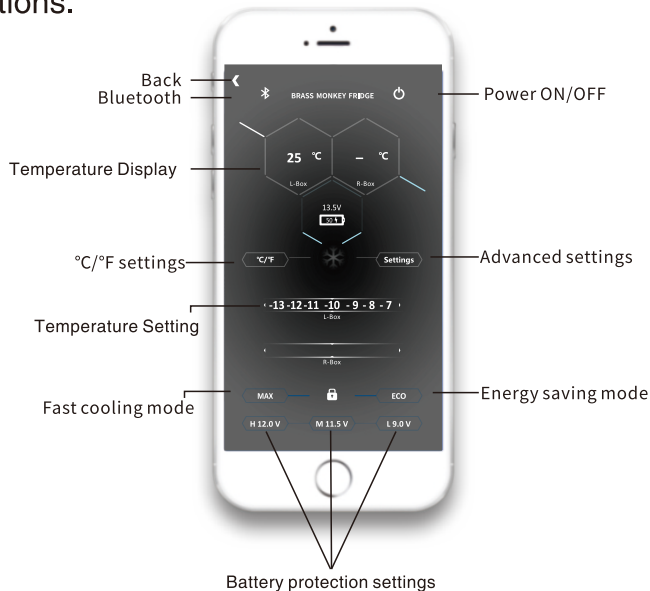
- **Refrigerator (32° F~50° F)(0°C~10°C):**

1. Egg, butter, milk and bottle drinks can be stored.
2. All food should be packed appropriately before being stored in the fridge.
3. Place food in refrigerator after it gets cool in order to save energy.

# SMART CONTROL FRIDGE APP APPLICATION INSTRUCTION

## Downloading the "BRASS MONKEY FRIDGE" Application

- Using a pre-installed QR reader on your handheld smart device scan the QR code in the manual or on the carton, or search for the "BRASS MONKEY FRIDGE" APP in the iTunes App Store (for Apple devices) or Google store (Android Devices).
- Start the application and select the "Search" function.
- The application will prompt you to pair the fridge by pressing the set button  on the fridge's control panel. Once set button  has been activated, the fridge will be paired with your smart device and the application will switch to a control panel allowing you to control the fridge's functions.



Please scan the QR code to download APP

QR Code for Apple Devices



QR Code for Android Devices



## CLEANING & MAINTENANCE

1. Do not wash the product with water or soak.
2. Please disconnect from power before cleaning the product to avoid electrical shock.
3. Clean it with a soft wet cloth.

If you will not use the product for a long period of time, ensure you:

1. Turn it off and disconnect from power.
2. Remove everything from inside (food, drinks, etc)
3. Drain any remaining water then wipe all internal surfaces with a soft cloth to ensure that they are clean and dry.
4. Keep it stored away from wet or humid places.

## TROUBLE SHOOTING

- The product is not working:
  - If using the optional 240V AC to 12V DC adapter check the power supply is working
  - If using the DC cable please ensure the cable still works.
  - 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
  - Compressor starts delay protection for 3 minutes after turning 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 F1 displayed:
  - Low voltage protection, which can be solved by setting the battery protection button from H to M or from M to L
- Code F2 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 F3 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 F4 displayed:
  - Compressor is overloaded or working at a low speed. Please turn off the product and restart it after 30 minutes. If the code displays again, please contact the place of purchase
- Code F5 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 contact the place of purchase
- Code F6 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 F7 / F8 displayed:
  - Temperature sensor error protection. Please check the sensor terminal

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