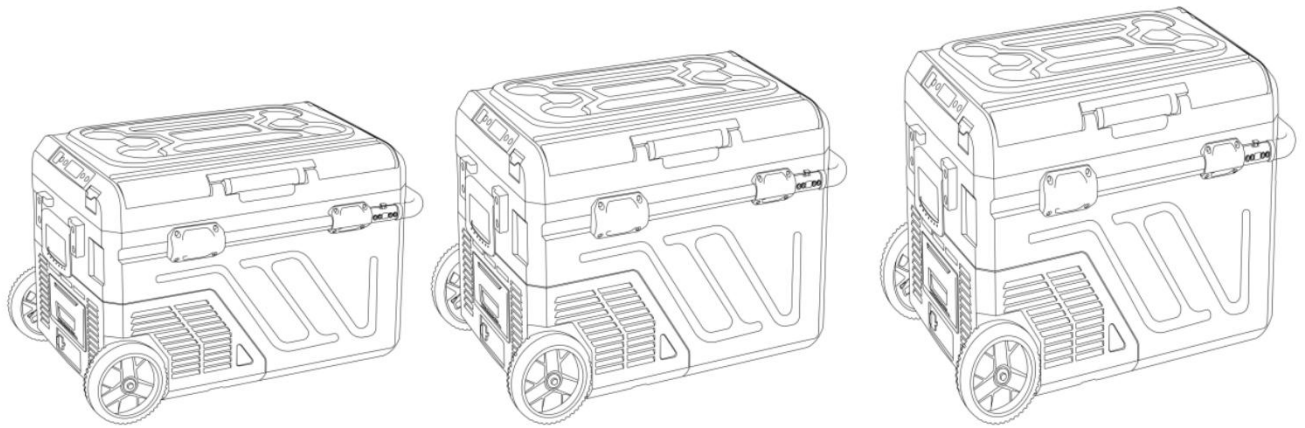


# **Ningbo Iceberg Electronic Appliance Co., Ltd.**

## **Compressor Fridge User Manual for**

**1283236, C053-050, 1283237**



### **This series of products has the following characteristics:**

- High efficiency and energy saving DC compressor and conversion module are adopted. High reliability, long service life, rapid cooling, cold storage and deep cooling.
- Adopt High density polyurethane insulation layer, with good insulation performance and low energy consumption.
- It can be used for both car and home, using 12V/24V in the car (standard) and 100-240V adaptor for household use.
- Rapid cooling to -22°C (single zone) and -20°C (dual zone).  
Test ambient temperature is 32°C.
- Intelligent control system with power off memory function.
- Auto battery intelligent protection system, take care of your car's battery.
- Adjust at will, cooling +24 to -22°C (single zone) / +20 to -20°C (dual zone) wide range of electronic temperature control.
- Unique appearance design, fashion and beautiful.
- Open the cover directly from both sides.
- With a beer opener, the lid with cola drink holder.
- With a USB and Type C charging port on display panel.
- Charging ways:
  1. AC power through the adaptor. (the output voltage is suitable for 12v/24v system)
  2. DC power VIA the DC power lead. (12v/24v power)

**NOTES:** If storing fridge for long period please turn the battery pack off on the battery.

- Retractable with pull Rod, break off the handle lock to extend the pull bar, anti-slip and wear-resistant silent wheels.
- Bluetooth -- To operate the fridge via Bluetooth you will first need to download the Smart-life, the APP via APPSTORE or GOOGLE PLAYSTORE or scan the QR code by the phone (optional).



#### **Steps:**

- A. Download the Smart Life APP, then install it.
  - B. Connect the fridge by the DC or AC power cord, and turn on the fridge.
  - C. Turn on Bluetooth on your phone.
  - D. Open the APP, accept the user agreement/privacy statement and follow the steps to sign up to the APP.
- Once signed up, the screen will appear 'Discovering devices', click 'Add' to add the fridge.

Then will appear the device icon in next interface.

E. Start using Bluetooth APP with your fridge, you will be able to access the following features via the APP.

1. To adjust the settings, click the lock icon to unlock, it will automatically lock again after 30 seconds of no activity.
2. Check/change temperature setting or temperature unit setting.
3. Check/change voltage monitor setting.
4. Check/change compressor speed setting.
5. Turn on/off the fridge.
6. Paired icon - you must be within Bluetooth range of the fridge to stay connected.



## Functional description and method of operation

Connect the appropriate power supply cable before using.

- **DC for car:** Use 12V/24V DC power cord available on car 【Pic 1】
- **AC for household:** Use the adaptor and AC power cord to make device works in home. Household alternating current 100-240V 【Pic 2】



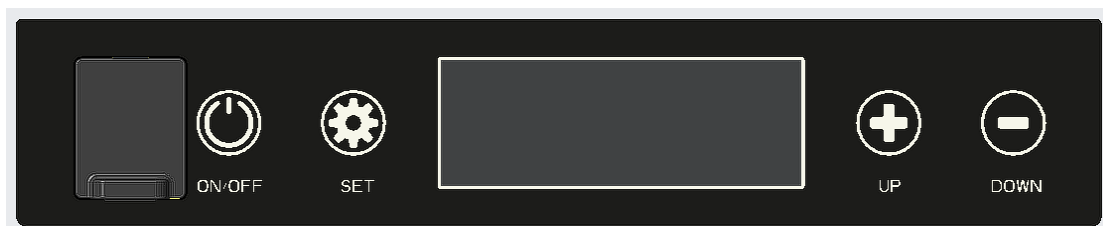
Pic 1



Pic 2









## Display and control panel diagram:

With USB, Type C charging and Bluetooth App panel.










The 4 buttons on touch panel from left to right are the power on/off, set, setting temperature up, setting temperature down.








## Operation method

1. Long press button  to switch the device on/off.
2. Long press button  for 2 seconds to unlock, the screen will light on, the icon  will disappear from screen.
3. **Dual Zone Temperature set:**
  - ◆ Left zone: press button  and  to set the required temperature on display directly. The display indicates LT, the left zone is the one away from the display.
  - ◆ Right zone: After setting the required temperature for the left zone, and the number still blinking, press button  switch to adjust the right zone temperature, and the number of right side start blinking, then use  and  to set the required

temperature for the right zone. The display indicates RT, the right zone is the one near the display.

- ◆ For Dual zone product, if you would like one zone work and one zone stop work, you can press the set button  and the button  or  at the same time, then the corresponding zone will stop/start works. Button  and  for the left zone, button  and  for the right zone. If one of the zones is stop working, the corresponding temperature display is extinguished.

**Note!** The setting temperature range from -22°C to +24°C (single zone) / +20 to -20°C (dual zone). When the inside temperature reaches the setting temperature of the refrigerator, the compressor will stop working.

4. **MAX/ECO Mode:** To reduce energy consumption, the device will go into the ECO mode. Press once , use  to change MAX/ECO when the icon blinking. **CAUTION!** This mode will reduce power consumption, but it will take longer to reach the set temperature.
5. **Voltage monitor setting:** there are 3 stages to protect the voltage of the power, High/Medium/Low, Press twice button , use  or  to change H/M/L when the icon blinking.  
For car battery, set to **M** stage. (Default setting)  
External battery or backup battery set to **L** stage.
6. **Temperature unit °C / °F:** Press 3 times button , use  to change °C / °F when the icon blinking.

BATTERY MONITOR - Parameters for 3 Voltage stages of L/ M/ H				
Voltage stage	12V	12V	24V	24V
Action	Cut out	Cut in	Cut out	Cut in
L	9.6	11.2	21.4	23.0
M	10.4	11.7	22.8	24.2
H	11.1	12.4	24.3	25.7

Error code information		
Error code	Possible Cause	Solution
E1	Low voltage to fridge	DC-increase the voltage of DC power source/check all the connection/check the voltage monitor setting
		AC-replace the defective 240V AC adaptor
E2	Condenser Fan fault	Contact after sales to arrange repair
E3	Compressor over pressure	Disconnect the fridge for 20 minutes and attempt re-start

E4	Compressor minimum speed fault	Contact after sales to arrange repair
E5	Over temperature for compressor and control unit	Disconnect the fridge for 20 minutes and attempt re-start
E6	NTC/ temperature sensor failure	Contact after sales to arrange repair

**CAUTION!** The voltage are different of different vehicles output, if E1 is displayed, the stage of the voltage can be lowered by one stage, for example, H to M, L / M to L.

### **Trouble shooting:**

#### **Refrigerator doesn't work:**

- Check the power source (maybe the voltage is too high or low).
- Check the power cables and all connections from the power source to fridge.
- Check to the power source and the fridge is on or not.

#### **Poor refrigeration performance:**

- Ensure the lids are closed properly.
- Ensure the power source has sufficient voltage.
- There is poor ventilation around the fridge.
- Put too much food inside the fridge.
- Temperature of the food put inside the fridge is too high.
- Incorrect temperature setting.
- The ambient temperature is too high.

### **Tips, maintenance and service :**

#### **Tips and suggestions:**

- Fresh and frozen foods should not be stored right beside each other in the cabinet. Doing so many cause fresh food to freeze or spoil.
- When to appliance is being set at 0°C or lower temperatures, do not store glass bottles or liquids such as milk, juices or soft drink in the unit as there may freeze and shatter, leak or burst.
- Items such as fruit and vegetables should be stored closer to the top of the cabinet as this area is normally slightly warmer. This will reduce the risk of spoiling and ensures that damage is not caused by being crushed by heavier items.
- Frequent door opening will allow warm air to enter the cabinet. Keep the number of times you open the door to a minimum where possible.
- When located in the rear of a car or trailer, it is recommended that the appliance be kept away from direct sunlight to reduce the risk of increased heat it should also be provided with suitable ventilation to guarantee efficient power consumption

and performance. You must remember that when a vehicle is parked in the sun that on a day where the ambient temperature is +30°C, the interior of the vehicle can reach +55°C.

**Suggestion temperature for goods:**

- Red wine storage (10°C)
- Vaccine, insulin (2°C—8°C)
- Fruit (4°C—6°C)
- Drink (2°C—5°C)
- Meat (-10°C)
- Ice cream (-15°C)

**Maintenance & Service**

Your fridge will be delivered and cleaned from the factory - you nevertheless should clean prior to initial use. Use a cloth which has been slightly moistened with lukewarm water. Pay attention that no water drops into the seals and possible damages the electronics. Dry off the fridge with a cloth after cleaning. Clean your fridge periodically and as soon as it gets dirty.

**Attention:**

1. Do not use solvents or agents with sand or acid parts for cleaning your fridge.
2. Do not use brushes, graters or hard sharp tools to clean your fridge.
3. Before cleaning, the power cable should be disconnected and the fridge switch off.
4. Clean the fridge inside and out with a damp cloth. For stubborn dirt, use some sodium bicarbonate dissolved in lukewarm water.
5. After washing, rinse with clean water and dry carefully.
6. When storing your fridge for a long period of time, do not fully close the lid. This will prevent mildew and outdoors.

**Specifications :**

<b>Product model</b>	<b>C053-040</b>	<b>C053-050</b>	<b>C053-060</b>
<b>Product volume</b>	40L (dual zone)	50L (dual zone)	60L (dual zone)
<b>Environment type</b>	T/ST/N/SN	T/ST/N/SN	T/ST/N/SN
<b>Electrical safety grade</b>	III	III	III
<b>Voltage</b>	12V/24V	12V/24V	12V/24V
<b>Power</b>	53W	55W	57W
<b>Electrical current</b>	4.4A(12V)/2.2A(24V)	4.6A(12V)/2.3A(24V)	4.75A(12V)/2.375A(24V)
<b>Refrigerant</b>	R1234YF	R1234YF	R1234YF
<b>Dimensions(LWH)mm without pull rod</b>	689*406*440	689*406*505	689*406*570
<b>Dimensions(LWH)mm with pull rod</b>	708*454*440	708*454*505	708*454*570
<b>Cooling range</b>	+20°C to -20°C	+20°C to -20°C	+20°C to -20°C
<b>Foaming agent</b>	C <sub>5</sub> H <sub>10</sub>	C <sub>5</sub> H <sub>10</sub>	C <sub>5</sub> H <sub>10</sub>