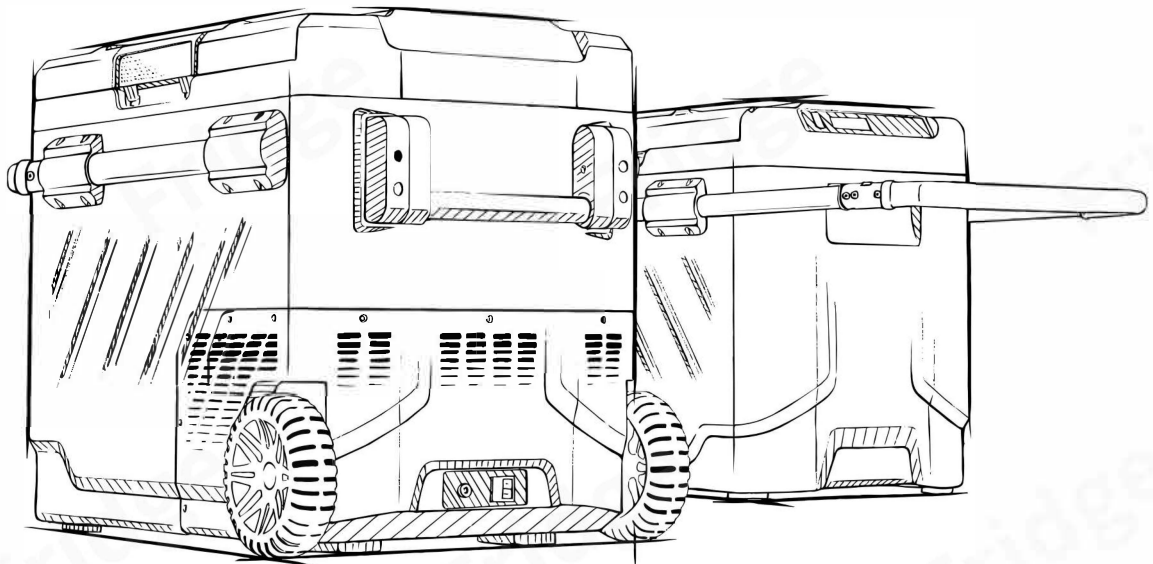


USER MANUAL



Model ZG41/ZG51/ZG61/ZGW41/ZGW51/ZGW61

Note: Model ZG41-51-61 are without wheels or telescoping handle.

Please read this operating manual carefully before starting the device.
Keep it in a safe place for future reference.

CONTENTS

1.SAFETY INSTRUCTIONS	Page1
2.PRODUCT FEATURES	Page2
3.PRODUCT STRUCTURE	Page2
4.REVERSE DOOR OPENING DIRECTION	Page3
5.FUNCTION AND OPERATION	Page4
6.CARE AND MAINTENANCE	Page5
7.TROUBLESHOOTING	Page6
8.WARRANTY	Page7

1.SAFETY INSTRUCTIONS

WARNING!

- 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.
- Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user' s authority to operate the equipment.

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!

- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.
- To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20cm between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and its antenna(s).
- 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.

FCC NOTE This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

- Information, illustrations and specifications in this manual reflect the most current available at the time of publication, are subject to change without prior notice.

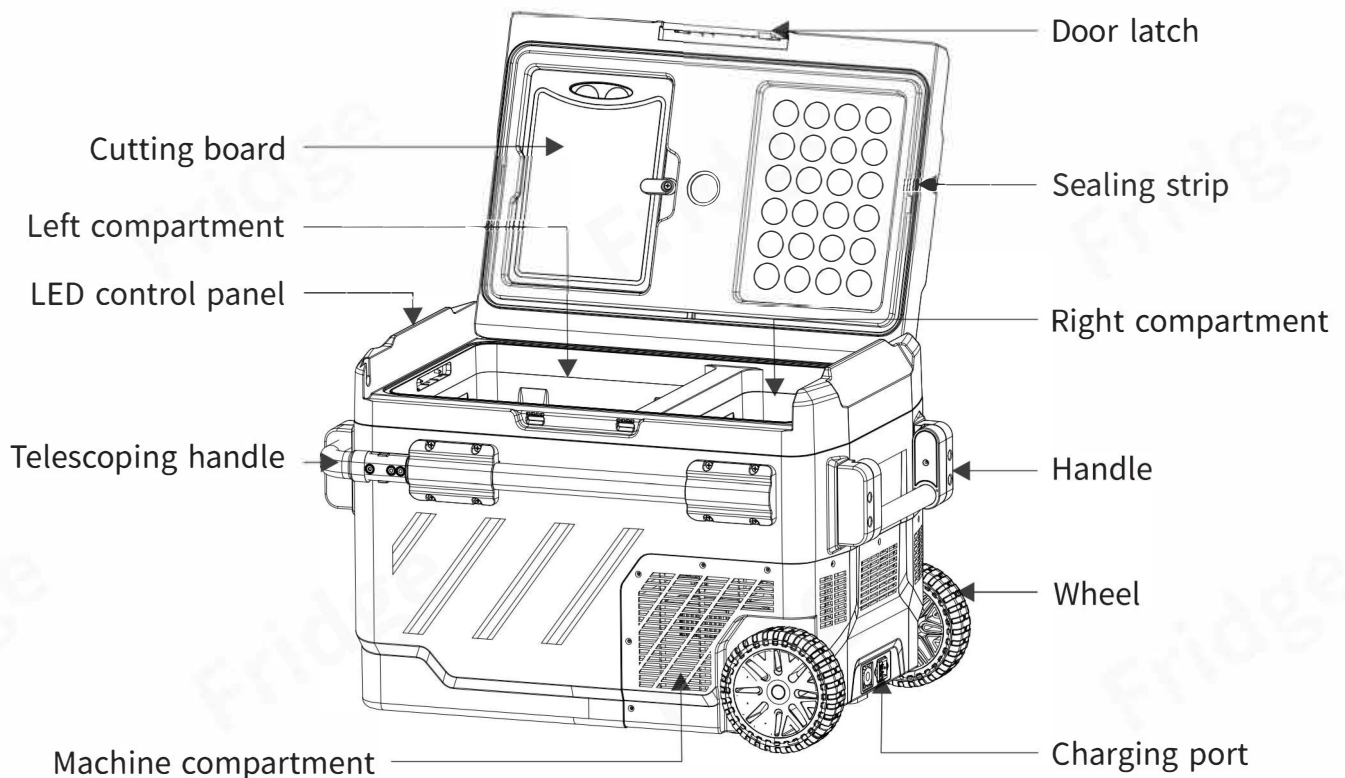


Please according to local regulations regarding disposal of the appliance for its flammable refrigerant and blowing gas.

2.PRODUCT FEATURES

- High-efficiency DC compressor and conversion module.
- CFC free and great heat insulation.
- Intelligent battery protection system prevents your vehicle from running out of battery.
- LED display control panel for temperature setting, USB charging port: 5V/1A.
- Dual compartments with individual temperature control.
- Specific parts: interior drain plug, cup holders, interior LED light, cutting board.

3.PRODUCT STRUCTURE

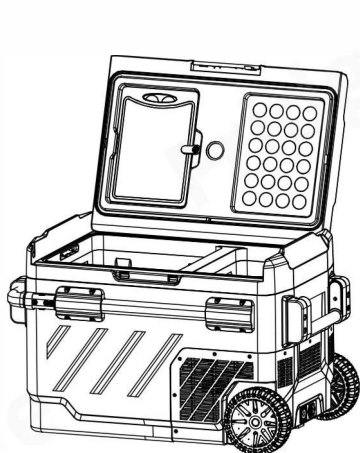


Note: Model ZG41-51-61 are without wheels or telescoping handle.

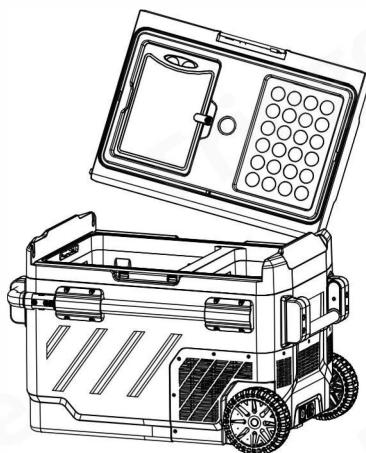
4. REVERSE DOOR OPENING DIRECTION

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

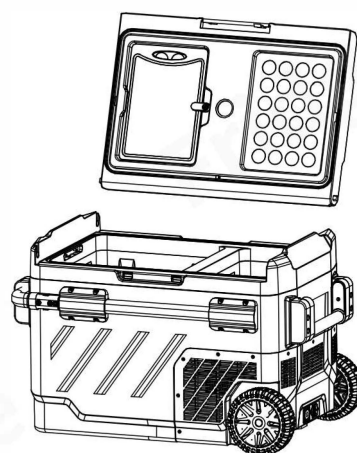
Door Disassembly:



Open the door
at a 90° angle

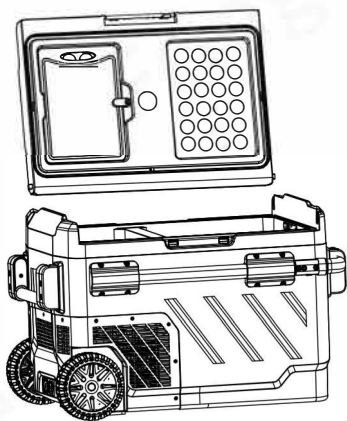


Take off the door
from one side

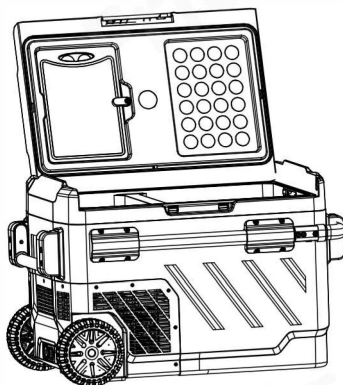


Take off the door
from the other side

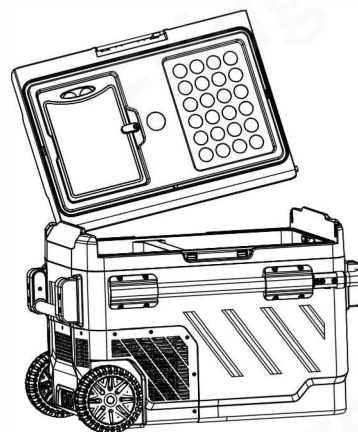
Door Installation:



Reverse the door
opening direction



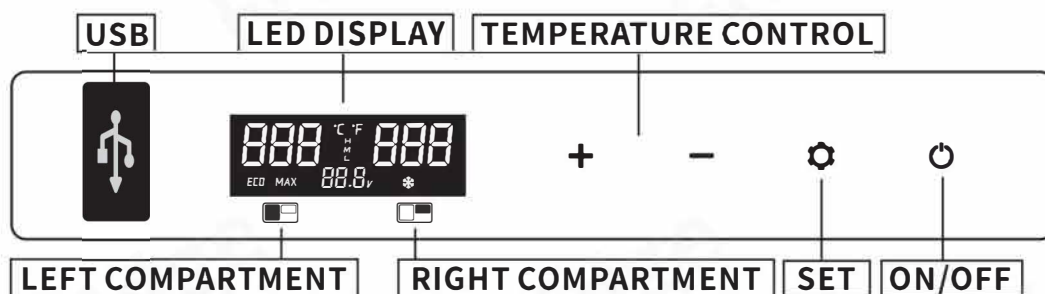
Align the door shaft with the
hole on one side and insert it



Fix the door on
the other side,
installation finished

Note: Model ZG41-51-61 are without wheels or telescoping handle.

5.FUNCTION AND OPERATION



* **Note:** the right compartment is on the side where the compressor is.

• **Power supply:** connect to DC12V/24V or AC100~240V(using dedicated adapter) power supply.

• **Display Screen Initialization:** when the fridge is powered on, the buzzer will make a long beep, and the display will be on for one second then enter the standby mode.

• **Power On/Off:** press to switch ON, long press for one second to switch OFF (the snowflake icon on the panel will be on when the compressor is running).

*Whether it is on or off depends on the state before the power outage. If it was powered on before the outage, it will remain powered on; If it was in standby mode, it will remain in standby mode.

• **Left/Right Compartment Setting:** under the running state, long press and at the same time for 3 seconds to switch ON/OFF the left compartment, long press and at the same time for 3 seconds to switch ON/OFF the right compartment, two compartments cannot be switched off at the same time.

• **Temperature Setting:** press or , the left screen will flash, then press to switch left/right compartment temperature setting. Press or to adjust the temperature. The setting will be saved after stop operating for four seconds, the temperature displayed is the current temperature of the compartments, 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 MAX(fast cooling) and ECO (Energy saving Mode).(*Factory setting is MAX.)

• **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.

• **Reset:** switch off the fridge, long press   for three seconds until displays C1, under C1 mode, long press   at the same time for three seconds to reset the settings.

• **Temperature Unit Setting:** switch off the fridge, long press  for three seconds to enter temperature unit setting, then press  again to switch Celsius or Fahrenheit.

(*Factory setting is °C.)

• **Recommended temperature for common food:**

						
Drinks	Fruits	Vegetable	Delicatessen	Wine	Ice cream	Meat
5°C/41°F	5~8°C/41~46°F	3~10°C/37~50°F	4°C/39°F	10°C/50°F	-10°C/14°F	-18°C/0°F

6.CARE AND MAINTENANCE

■Cleaning:

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

■Storage:

If the device will not be in use for a long time, please follow the instruction:

- Switch off and unplug the device.
- Take out all the items stored in the device.
- Wipe off excess water with a soft rag.
- Put the device in a cool and dry place.
- Leave the lid slightly open to prevent odors from forming.
- Recommended storage environment:
ambient temperature: 25°C, ambient humidity: ≤ 75%.

■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.

- Switch off and unplug the device first to avoid electric shock.
- Take out all the items stored in the device.
- Keep the lid open.
- Wipe off the defrosted water.



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

7.TROUBLESHOOTING

Issues	Cause/Suggestions
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 door 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 E1 displayed	• Possible cause: low voltage to fridge. Adjust the battery protection from High to Medium or from Medium to Low.
Code E2 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 E3 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 E4 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 E5 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 E6 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 E7 or E8 displayed	• Possible cause: temperature sensor is faulty. Contact manufacturer for service.

8.WARRANTY

If the device gets malfunctional, limited warranty will be provided for 1 year from the date of purchase, except following situations:

- Contrived damage.
- Damage caused by force majeure such as earthquake, conflagration, etc.
- Damage from inappropriate use or violating this instruction.
- Damage or malfunction caused by disassembling.