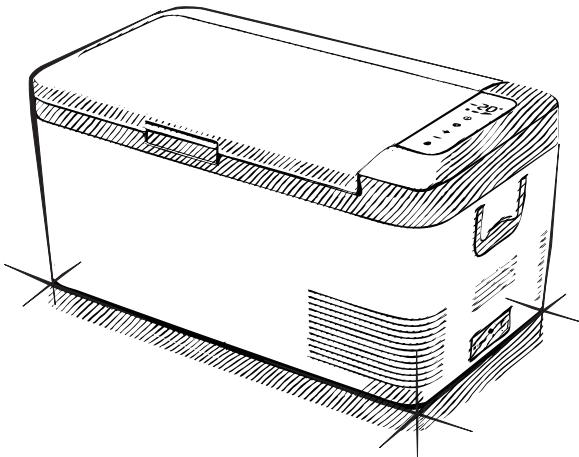


Portable Fridge



Model K18

OWNER' S MANUAL

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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.

⚠ 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.

ℹ 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:

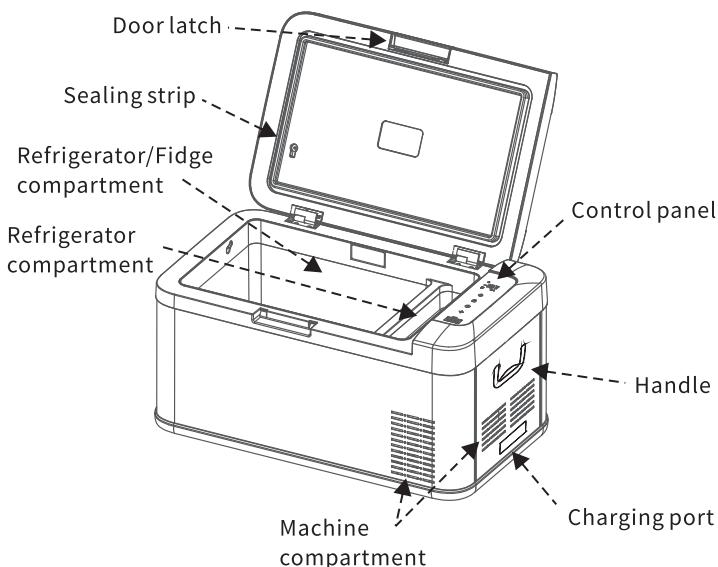
- Staff kitchen areas in shops, offices and other working environments;
- Camping, Farm houses and by clients in hotels, motels and other residential environments;
- Bed and breakfast type environments;
- Catering and similar non-retail applications.

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

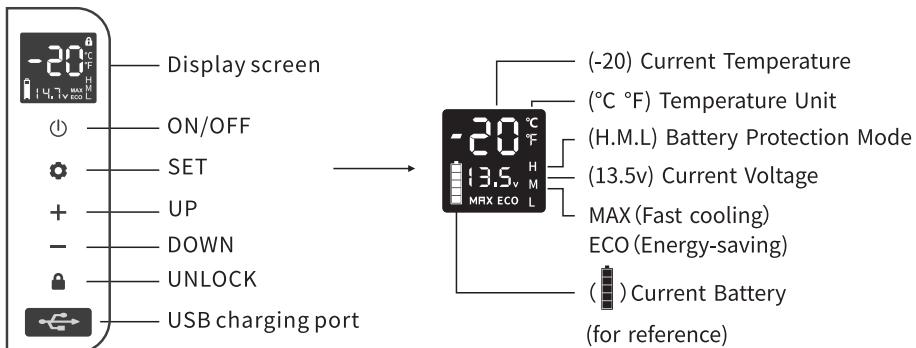
2. PRODUCT FEATURES

- High-efficiency DC compressor and conversion module.
- CFC free and great heat insulation.
- Fast cooling to -20°C/-4°F(based on 25°C/77°F room temperature).
- Intelligent battery protection system.
- LCD display touch control panel for temperature setting.

3. PRODUCT STRUCTURE



4. FUNCTION AND OPERATION



- **Power Supply:** connect to DC 12V/24V or AC 100~240V (using the adapter) power supply.
- **Display Screen Initialization:** the screen will be on for 2 seconds after connecting to the power supply.
- **Power ON/OFF:** long press  for three seconds to switch ON/OFF.
- **Function Unlock:** long press  for three seconds to unlock.
- **Temperature Setting:** press  or  for temperature setting, the setting will be saved automatically after stopping operating for 4 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 MAX(fast cooling) and ECO (Energy saving Mode). (*Factory setting is MAX.)
- **Temperature Unit Setting:** switch off the fridge, long press  for three seconds until E1 displays, keep pressing  until E5 displays. then press  or  to select Celsius or Fahrenheit. (*Factory setting is °C.)
- **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(Middle) and L(Low) (*Factory setting is 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.

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.

*USB output: +5V DC/1A, suitable for small devices like mobile phones, tablets, etc.

- **Reset:** switch off the fridge, long press  for three seconds until E1 displays, under E1 mode, long press  at the same time for three seconds to reset the settings.

■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

5.CARE AND MAINTENANCE

■Cleaning:

- Unplug the device first to avoid electric shock.
- Use wet cloth to clean the device and dry it.
- 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.
- Wipe off excess water from the fridge with a soft rag.
- Put the device in a cool and dry place.
- Leave the lid slightly open to prevent odors from forming.

■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 the device.
- Take out the contents of the device.
- Keep the lid open.
- Wipe off the defrosted water.

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

6.TOUBLESHOOTING

Issues	Cause/Suggestions
Refrigerator does not work	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • The temperature was set too low.
There is "water flow" noise from inside the refrigerator	<ul style="list-style-type: none"> • It's a normal phenomenon, caused by the flow of refrigerant.
There are waterdrops around the refrigerator casing or door gap	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • It's a normal phenomenon, the noise will be reduced after the compressor works stably.
Code F1 displayed	<ul style="list-style-type: none"> • Possible cause: low voltage to fridge. Adjust the battery protection from High to Medium or from Medium to Low.
Code F2 displayed	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Possible cause: temperature sensor is faulty. Contact manufacturer for service.

7.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.

8.TECHNICAL INFORMATION

MODEL	K18
RATED VOLTAGE	DC12/24V or AC100~240V(using dedicated adapter)
RATED POWER	60W
CAPACITY	18L/0.64Cu.Ft.
NOISE	≤45dB
TEMPERATURE SETTING RANGE	-20~20°C (-4~68°F)
CLIMATE CATEGORY	T/ST/N/SN
DIMENSIONS(L*W*H)	585*335*292mm 23 3/8" * 13 3/16" * 11 3/8" inch
NET WEIGHT	12.1kg/27lb

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

App Download Address



App "CARFRIDGE FREEZER"
apple



App "CARFRIDGE FREEZER"
google

Product Design Specification

1. Features

Item	Specification
Item Size(mm)	585*335*292
Net Weight(kg)	12.1
Rated Voltage(V)	AC 100~240V 50/60HZ DC 12/24V
Rated Power(W)	60W
Rated Current(A)	AC1.2A-0.5A DC5.0A/2.5A
Noise(dB)	45
Capacity(L)	18L
Refrigeration	natural convection
Heat Dissipation	Forced Convection
Temperature Control	Electronic
Refrigerant	R134a 24g
Identification	CE,CB,GS,ROHS

2. Performance and Functional Requirements

2.1 Key operation

- Press "+" or "-" briefly to preset temperature
Long press the "+" or "-" key, and the temperature setting adjusts the temperature at a speed of 4 C/s.
If there is no operation within 4 seconds, the panel will exit the temperature preset and display the current inside temperature.
The temperature is set.
- Compressor Power: Eco or Max (Default): When powered on, briefly press the Settings button to cycle between Eco/Max.
- Battery Voltage Protection: Low, Medium (Default), or High: When powered on, hold the Settings button for 3 seconds. Cycle between L/M/H with the Settings button.
- To enter programming mode: Turn off the unit, but keep it plugged in to a power source. Hold the "Settings" button for 6 seconds until "E1" displays. Cycle through the options by pushing "Settings", and change values up or down with the respective "+" or "-" buttons. To accept the setting, leave the screen blinking until it stops after a few seconds.

Parameter	Function	Setting Range	Default
E1	Lowest temperature that freezer can be set to cool down to	-40°C-Target temp	-20°C
E2	Highest temperature that freezer is allowed to reach	Target temp -40°C	+20°C
E3	Difference from target temperature before powering up compressor again	1-10°C	2°C
E4	Time delay protection	0-10min	0min
E5	Temperature unit display	C/F	C
E6	Temperature compensation (for temp set to above -6C)	-10C-10C	0°C
E7	Temperature compensation (for temp set to between -12C and -6C)	-10C-10C	0°C
E8	Temperature compensation (for temp set to below -12C)	-10C-10C	-3°C
E9	Temperature compensation shutdown	-10C-0C	0°C

■ RESET SETTINGS

-Enter Programming Mode

-From the "E1" screen, hold "+" and "-" buttons together until "888" displays.

2.2 Error Codes

If an error occurs, one of the following codes will display on the LCD:

- F1: Low power protection activated. Change H3 (High) to H2 or H1 (Medium or Low)
- F2: Fan overloaded. Turn unit off for 30 minutes to let cool
- F3: Compressor overloaded. Turn unit off for 30 minutes to let cool
- F4: Compressor overloaded. Turn unit off for 30 minutes to let cool
- F5: Compressor controller module overloaded. Turn unit off for 30 minutes and let cool in a ventilated place
- F6: Compressor controller module breakdown.
- F7/F8: Temperature sensor error. Turn unit off and back on

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction