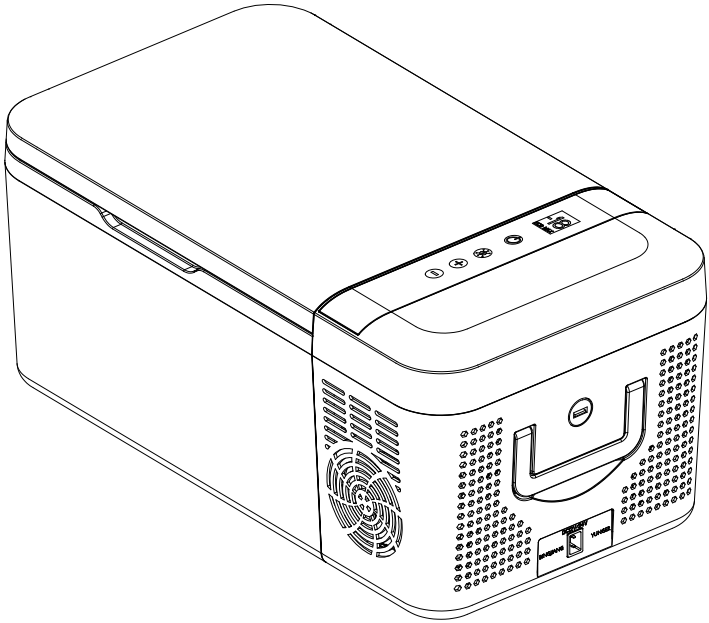
Car Fridge/Freezer User Manual



Model：EP23827

Read user manual before operating your fridge/freezer

1.Safety Instructions

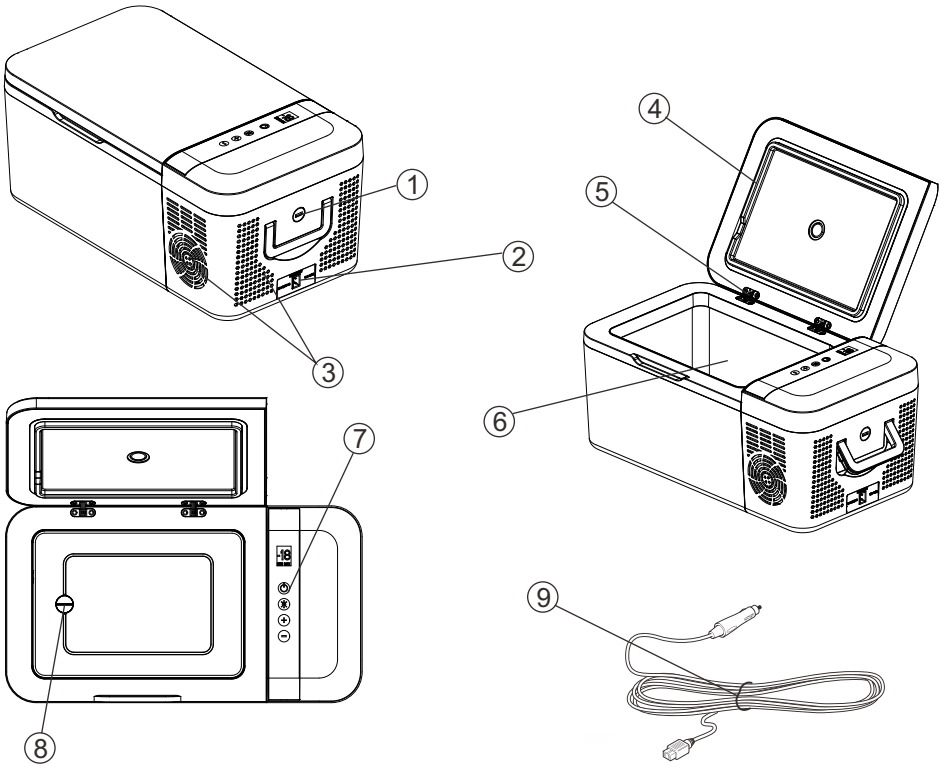
- Warning: Do not use your unit if any cabling is damaged, frayed or there is exposed wiring.
- Warning: Do not attempt or continue to operate your unit if it is wet.
- When using the refrigerator in the vehicle, please make sure the circuit being used is fused.
- When installing the direct electricity supply, please make sure to have professional electrician to do it.
- When charging the unit with the battery, please make sure the unit is not connected with the electricity supply.
- Make sure the voltage is within the correct range for socket and cable being used. The technical data label on the side of the unit shows the voltage ranges.
- Do not place any electrical devices inside the refrigerator as they may be damaged.

2.Notes On Using The Product

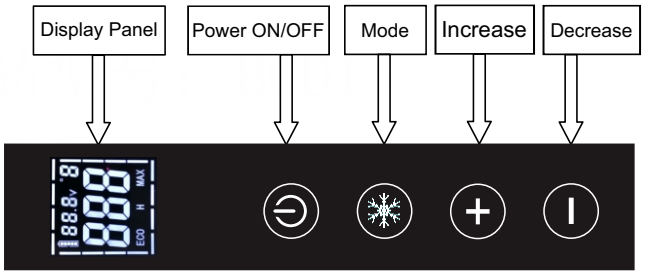
- Your unit requires good ventilation; allow a gap of 200mm around the back of the refrigerator, and at least 100mm around all other sides.
- Avoid moisture: Car fridge should avoid moisture, reduce the chance of corrosion on metal parts. If drenched with water, it can cause poor insulation, resulting in power leakage and failure.
- Avoid heat sources: The refrigerator should be placed in a well -ventilated area. Keep away from heat and avoid direct sunlight.
- Place in a level surface: The floor of the car must be flat and sturdy. When the refrigerator is placed on the car, it would be better put in a fixed position to avoid sharp shake.

3.Data Sheet

Model:BCD15	
External dimension	23"×12.5"×10"
Net weight	24 LBS
Rated power	45W
DC voltage	12v/24v
DC cable	5FT
Average consumption	0.15kwh/24h
Temperature range	-18℃ to +10℃
Cooling system	compressor
Shell material	ABS+PP



1.USB charge port
2.Power Input Panel
3.Louver
4.Sealing Strip
5.Hidden Door Hinge
6.Freezer
7.Control Panel
8.Drain Switch
9.DC Power Cable



4.How To Operate

Temperature range	-18℃~+10℃
Panel display temperature	Screen back light keep 10 seconds then automatically shut down ; you can press any button to start.
Temperature control	Button unlock operation: Press + and - simultaneously for 3 seconds. Automatically lock the button after waiting for 30 seconds without any operation.
	Press + or - to set temperature. And when you stop operation, the setting temperature will be memorized and the car fridge will freeze to your setting temperature; if not doing any operation, it will show the inner temperature after a few seconds(after the light blinks 3 times).
	Fahrenheit/Celsius Switching: Press ❄ once, the set temperature unit symbol now starts to flash, press+ or - at this time to change. After pressing the button, it stops for 5 seconds and the setting is successful. The display interface will display the current temperature inside the box.
ON/OFF	Keep Press ⏻ for 3 seconds, the car fridge enter into the on/ stand by mode.
	ECO/MAX switching: short press ❄ button for 2 times, the current working mode flashes, press + or - to change(Energy saving mode ECO and fast cooling mode MAX); Stop pressing the button, the setting value flashes for 5 seconds, save and display the mode you set.
	Note: When you restart the fridge, the compressor will start work 3 minutes later, it's one way to protect compressor, not sudden start-up.

Cooling operation	When display panel shows ”ECO”, it means the compressor is working under energy saving mode;
	When display panel display ”MAX”,it means the compressor is working under fast cooling mode.

Note: The refrigeration efficiency may be stronger or weaker, according to changes in ambient temperature.

5.Tips And Suggestions

•Fresh and frozen foods should not be stored together. The coldness from the frozen goods can be transferred to the other produce causing the goods to spoil. It is best to put an insulating layer between these goods.

•When the appliance is being set at 0℃ or lower temperatures, do not store glass bottles or liquids such as beer, milk, juices or soft drinks in the unit as these may freeze and shatter.

•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.

•To improve the efficiency of your fridge/freezer, it is better to have the cabinet as full as possible at all times. A full cabinet will provide lower power consumption over 24 hours than a half empty one. When the cabinet is full there is little air space between the goods so the cold air is trapped, when there is lots of air the coldness cannot be captured and held. On a trip it is a good idea to replace finished products with bottles of water or similar. This will fill the empty spaces and allow the coldness to remain within the cabinet.

•Make your selection of what you wish to remove from the cabinet before you open the door. This will reduce the time that the cabinet is open and the level of warm air that will enter the cabinet while the door is open.

•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℃, the interior of the vehicle can reach +55℃.

6.Malfunction And Error Code

When power switch on, compressor will start work 3 minutes later. When inside temperature is higher than setting temperature, compressor keeps work; When inside temperature reach the setting temperature, compress or suspend work automatically. This process keep repeated. When malfunctions happens, LED display will show E0 to E9. After remove the fault please wait 3 minutes before the compressor starts operation. The description of error code as below.

- E0 Temperature sensor short circuit
- E1 Battery protection problem
- E2 DC Fan problem
- E3 Compressor problem
- E4 Rotational Speed of compressor is abnormal
- E5 Overheat warning
- E9 Temperature sensor open circuit

7.Battery Protection

Press the ❄ button for 3 times and the display P1/P2/P3 will flash. Press + or - to adjust the battery protection level. Protection level: P1 (low), P2 (middle), P3 (high), factory default is P2.

Battery protection	12V CUT-OUT	12V CUT-IN	24V CUT-OUT	24V CUT-IN
P3	11.1V	12.4V	24.3V	25.7V
P2	10.1V	11.4V	22.3V	23.7V
P1	9.6V	10.9V	21.3V	22.7V

The voltage at above form refers input voltage of the compressor, not battery output voltage.

8.Cleaning And Maintenance

Cleaning method:

Clean the appliance inside and out with a clean damp cloth every two weeks. If it is dirty, wipe it with a neutral detergent and then wipe it dry with a damp cloth. If there is too much water, you can use the drainage pipe at the bottom of the tank to drain.

Maintenance of plastic parts:

To properly protect the seals, clean the plastic parts frequently and try to avoid heavy impact during use. If oil(Animal or vegetable oil)is attached to plastic parts for a long time, the plastic will easily deteriorate and crack, and smells bad odor.

Precautions:

It is forbidden to wash the refrigerator directly with water in order to avoid the decrease of electrical insulation and the rust of sheet metal. The following things will damage the coated surface, plastic parts, can not be used for cleaning. alkaline detergent, soap, grinding powder, hot water, brushes, Toluene water, gasoline, alcohol.

9.Simple Fault Diagnosis

Fridge do not work

- Check if power failure happens.
- Check if the power plug is in good contact.
- Is the fuse blown?
- Check if the power switch on operation panel is turned on.

Food freeze in the fridge

- Temperature setting is too low.

Bad cooling

- Food storage is too much, too crowded inside, the air is not flowing smoothly.
- Fridge door is not fully closed.
- The door seal is damaged or deformed and the seal is not tight.
- Bad ventilation outside the refrigerator.
- Put too much hot food.
- No space around the fridge.
- Sunlight is too strong or there is a heat source nearby.
- Improper temperature setting

Seem to hear sound of running water inside the box

- This is the sound of refrigerant flow and it is normal

Abnormal noise

- The fridge is not placed on a level surface.
- The fridge is too close with a wall or other item.
- The parts inside the fridge are loose or fall off.