

## 5.6 Using the battery monitor

The device is equipped with a multi-level battery monitor that protects your vehicle battery against excessive discharging when the device is connected to the on-board DC supply.

If the cooler is operated when the vehicle ignition is switched off, the cooler switches off automatically as soon as the supply voltage falls below a set level. The cooler will switch back on once the battery has been recharged to the restart voltage level.

**NOTICE!** Danger of damage!

When the battery connected to the product is low in power, the product will stop working due to the battery protection function. In order to avoid frequent start-up and shutdown of the product, please charge the battery in time.

Avoid starting repeatedly or operating current consumers without longer charging phases. Ensure that the battery is recharged.



**NOTE**



When the cooler is supplied by the starter battery, select the battery monitor mode "HIGH". If the cooler is connected to a supply battery, the battery monitor mode "LOW" will suffice.

## 5.7 Open or close the large/small compartment (FC75/FC95)

You can set the large room/small compartment to work alone or at the same time cooling.

## 5.8 Downloading Bluetooth APP

The cooler can be controlled via Bluetooth using an APP that you can install on a compatible device, to monitor and control products within a certain distance. (at 4.2 Button Setting B 2)

## 5.9 Setting the Bluetooth and connecting to the Car Refrigerator APP



### NOTE

The pairing must be done in the Car Refrigerator APP, not in the device settings. Bluetooth connection does not require a password.

## 5.10 USB port for power supply

The USB port allows you to charge small devices like mobile phones and mp3-players.



### NOTE

Ensure that any small device connected to the USB port is compatible with 5 V/2000mA operation.

## 5.11 Defrosting the cooler

Humidity can form frost in the interior of the cooling device or on the evaporators.



### WARNING!

This reduces the cooling capacity. Defrost the device in good time to avoid this.

To defrost the cooler, proceed as follows:

- Take out the contents of the cooling device.
- If necessary, place them in another cooling device to keep them cool.
- Switch off the device.
- Leave the lids open.
- Wipe off the defrosted water.

## 5.12 Replace DC fuse

### Update the replacement process:

- Remove the refrigerator net cover with a screwdriver
- Locate the DC fuse holder and pry open the fuse holder
- Pull out the faulty blade fuse

- Insert a new fuse with the same type and parameters
- Restore the fuse holder and refrigerator net cover

## 5.13 Replacing the fuse of the DC plug

- Replace the faulty fuse with a new fuse of the same model and rating.

## 5.14 Defrosting the cooler



### **NOTICE!** Danger of damage!

The light PCB can only be replaced by the manufacturer, authorized repair center or similar qualified technician to avoid danger.

## 6 Cleaning and maintenance



### **NOTICE!** Risk of damage

- Never clean the cooler under running water or in dish water.
- Do not use abrasive cleaning agents or hard objects during cleaning as these can damage the cooler.

Occasionally clean the device interior and exterior with a damp cloth.

Make sure that the air inlet and outlet vents on the device are free of any dust and dirt, so that heat can be released and the device is not damaged.

## 7 Troubleshooting

Fault	Possible cause	Suggested remedy
This device does not function (DC Mode, the ignition is on).	No voltage was detected in the DC power outlet	In most vehicles the ignition must be turned on before power will be supplied to the DC power outlet.
	The DC socket is dirty, resulting in poor electrical contact.	If the plug of this product becomes very hot on the DC socket of the vehicle, try to clean the DC socket or check if the plug is assembled correctly.
	The fuse of the DC power cord plug has blown.	Replace the device fuse
	The car's fuse has blown.	Replace the vehicle's DC socket fuse. Please refer to your vehicle operating manual.
This device does not function (AC mode), only use the power adapter to convert DC voltage	No voltage is detected in the AC power outlet.	Try to use another socket.
	Internal failure of this product.	It can only be repaired by an authorized repair center.
Don't use the application (APP)	Bluetooth is not connected.	Connect to Bluetooth, see the chapter "Set up Bluetooth signal and connect to the app"
The display shows reminder messages or warning codes.	-	See the table below.

## Remind Message

Fault	Description	Possible cause	Suggested remedy
The inner light flashes-!ALERT-Lid open>3 min	Open the door for more than 3 minutes	The door is not closed tightly, or you forget to close the door.	Close the cover
		Others	Inspection by authorized repair center
F2 reminder-low voltage	Due to the low DC voltage, the equipment has stopped working	Insufficient power supply voltage	Check the voltage drop from the power supply to the outlet of this product, and increase the voltage if necessary.
		Battery voltage is too low	Test the battery and charge as needed
		The battery protection function is set too high	Choose a lower battery protection gear
	Because the DC voltage is too high (greater than 31.5V), the device is protected against power failure.	DC power supply voltage parameters do not match	Ensure that the power supply voltage parameters match the equipment.
		Abnormal power supply	Check the DC power supply, repair or replace the power supply if necessary
		others	Authorized maintenance center inspection

## Remind Message

Warning code	malfunction	Possible cause	Suggested remedy
F3	Fan over current	Internal fault	Turn off the device for at least 5 minutes, then restart it. If the problem persists, you need to authorize a repair center to inspect it.
F4	Compressor start failure		
F5	Compressor speed is low	The ambient temperature is too high	Turn off the device for at least 30 minutes, or move to a colder location, and then restart.
F6	Controller over temperature		
		Blocked vents or insufficient clearance around	Clear the vents and leave enough clearance with the surroundings
		Internal fault	Authorized repair center inspection
F1	NTC open	Internal fault	Need to be inspected by an authorized repair center
F1	NTC short circuit		
F1	Switch error		Turn off the device for at least 1 minute, and then restart it. If the problem persists, you need to authorize a repair center to inspect it.
F1	Communication error		

## 8 Guarantee

The statutory warranty period applies. If the product is defective, please contact the manufacturer's branch in your country (see the back of the instruction manual for the addresses) or your retailer.

For repair and warranty processing, please include the following documents when you send in the device:

- A copy of the receipt with purchasing date
- A reason for the claim or description of the fault

## 9 Disposal

➤ Place the packaging material in the appropriate recycling waste bins wherever possible.



If you wish to finally dispose of the product, ask your local recycling centre or specialist dealer for details about how to do this in accordance with the applicable disposal regulations.



**WARNING !** Risk of Children's playing  
Before disposing of the old product:

- Remove the cover
- Put the basket inside the cooler to prevent children from climbing.

## 10 Technical data

### **WARNING!**



If the (FC95L) ambient temperature is above 43 °C (109 °F), the temperature gauge cannot be down to the lowest value - 22°C.

## Test/certificates:



Item	Specifications	Specifications
Model	FC75L	FC95L
Capacity	75L (45L/30L)	95L (53.8L/38.5L)
Weight	30kg	30kg
Size	920*500*472mm	990*535*472mm
Rated working voltage (DC input)	DC12/24 V MAX 10A/6A	DC12/24 V MAX 10A/6A
Rated operating current (DC12/24V)	5A/2.5A	6.0A/3.0A
Working Ambient Temperature	+10°C- + 43°C	+10°C- + 43°C
Temperature difference	54°C. Setting -22°C at ambient 32°C	54°C. Setting -22°C at ambient 32°C
Temperature setting range	+10°C ~ -22°C (+50°F ~ -8°F)	+10°C ~ -22°C (+50°F ~ -8°F)
USB output	5V/2A	5V/2A
DC12V Cut on/Cut off Voltage	L-on/off ( 11.4±0.3/10.1±0.3)	L-on/off ( 11.4±0.3/10.1±0.3)
	M-on/off ( 12.2±0.3/11.4±0.3)	M-on/off ( 12.2±0.3/11.4±0.3)
	H-on/off ( 12.6±0.3/11.8±0.3)	H-on/off ( 12.6±0.3/11.8±0.3)

Item	Specifications	Specifications
DC24V Cut on/Cut off Voltage	L-on/off ( 23.0±0.3/21.5±0.3)	L-on/off ( 23.0±0.3/21.5±0.3)
	M-on/off ( 25.3±0.3/24.1±0.3)	M-on/off ( 25.3±0.3/24.1±0.3)
	H-on/off ( 26.2±0.3/24.6±0.3)	H-on/off ( 26.2±0.3/24.6±0.3)
Bluetooth Response Time	Less than 5 seconds	Less than 5 seconds
Bluetooth Response Distance	Within 15 meters	Within 15 meters

The refrigerant of this product is R1234yf

#### Restriction of Hazardous Substances Directive (RoHS)

In order to meet the laws, regulations and other requirements related to the restriction of hazardous substances in electrical and electronic products of the People's Republic of China.

Our company classifies hazardous substances in this product according to parts, and declares as follows:

Box The name and content of hazardous substances in the product						
Parts	Harmful Substance					
	(Pb)	(Hg)	(Cd)	(Cr(VI))	(PBB)	(PBDE)
Box and its components	O	O	O	O	O	O
Door body and its components	O	O	O	O	O	O
Insulation Materials	O	O	O	O	O	O
Compressor	O	O	O	O	O	O
Compressor controller	X	O	O	O	O	O
Refrigeration components	O	O	O	O	O	O
Refrigerant	O	O	O	O	O	O
Electrical components	O	O	O	O	O	O
Power cord and connection line	O	O	O	O	O	O
Packaging and printing materials	O	O	O	O	O	O

This table is compiled in accordance with the regulations of SJ/T11364.

O: Indicates that the content of the hazardous substance in all homogeneous materials of the part is below the limit requirement specified in GB/T26572.

X: Indicates that the content of the hazardous substance in at least one of the homogeneous materials of the part exceeds the limit requirement of GB/T26572.

\*All parts and their homogeneous materials that contain hazardous substances in the detailed list cannot be replaced by hazardous substances due to the limitation of the industry's technological development level. They comply with the strict requirements of the EU RoHS for the restriction of hazardous substances.

Please feel free to use them.

**Reminder:** In order to protect the environment, after this product or its components are scrapped, as a consumer have the responsibility to separate it from domestic waste and send it to a qualified recycling site, which will be classified and disassembled in accordance with relevant national regulations of recycling, etc.

For detailed information about the recycling of this product, please consult your local government, waste disposal agency, etc.



Electronic and electrical products sold within the territory of the People's Republic of China must be marked with this mark, and the number in the mark represents the environmental protection use period of the product under normal use.