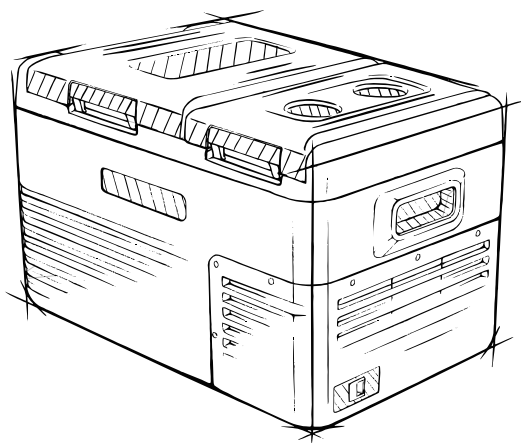# Ẵ aobosi

USER MANUAL

CAR REFRIGERATOR
Brand:A aobosi
Model:CLS35/45/55
DC 12V/24V AC100-240V

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

CONTENTS

页码跟目录最终排版后更新

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.
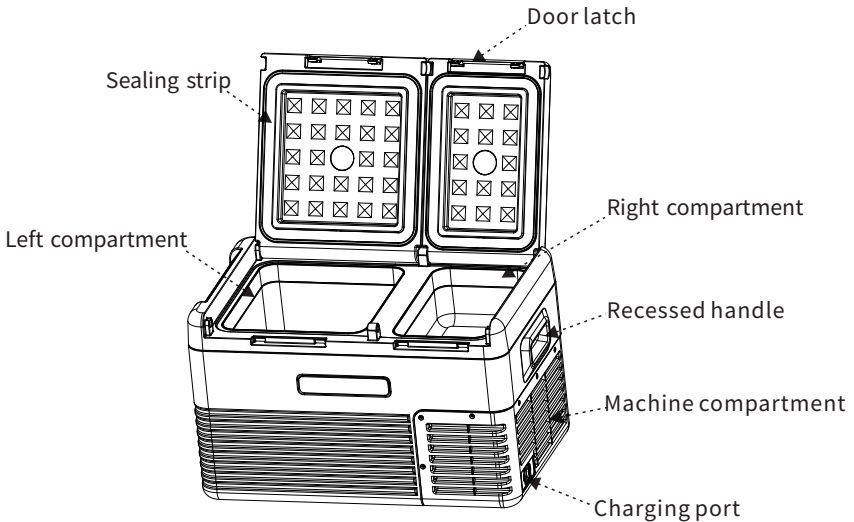
ℹ NOTICE!
- Disconnect the power supply before each cleaning and maintenance and after every use.
- Do not use sharp tools to defrost; Do not damage the refrigerant circuit.
- Risk of child entrapment. Before you throw away your old refrigerator or freezer: take off the doors: leave the shelves in place 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.

• 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.
• DC12/24V or AC100~240V power supply（using dedicated adapter).
• Fast cooling to -20°C/-4°F(based on 25°C/77°F room temperature).
• Intelligent battery protection system.
• LED display for temperature setting. Dual compartments with dual temperature control.
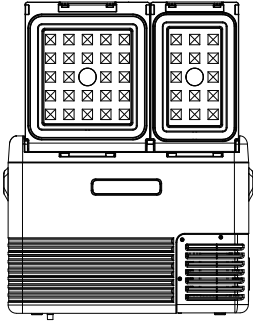• Specific parts: door latch，cup holder design, reversible door, recessed handle.

3.PRODUCT STRUCTURE

Door latch

Sealing strip

Left compartment

Right compartment

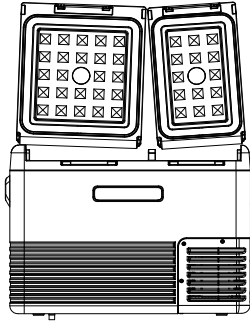Recessed handle

Machine compartment

Charging port

4.REVERSE DOOR OPENING DIRECTION

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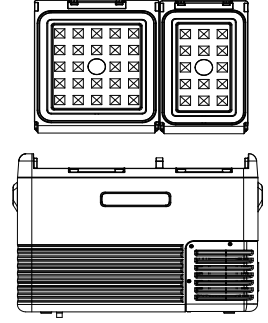
Door Disassembly:

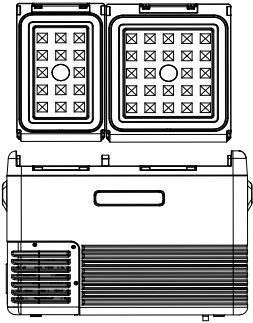Open the door
at a 90° angle

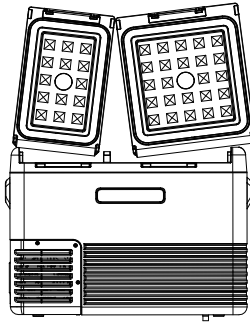Take off the door
from one side
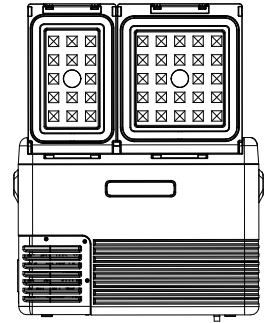
Take off the door
from the other side

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

Scan the QR Code with your smartphone or search it in the APP Store or Google Play to download the "QZsmart" app.

There are two ways to connect the APP WiFi mode and Bluetooth mode.

WIFI MODEL:
PREPARATION BEFORE USE:

1. Make sure your car fridge is on and ensure that your smartphone is connected to 2.4 GHz Wi-Fi network.
NOTE: This device only supports 2.4GHz Wi-Fi@ network, not 5GHz Wi-Fi@ network.
2、Ensure that the Bluetooth function of the mobile phone is enabled at the same time; otherwise, the device cannot be automatically searched.
3. Download the QZsmart app from the App Store or Google Play™.
NOTE: Authorize the app to access network and location services.
4. If you are using the app for the first time, click the "Sign up" button and register. If you already have an account, click the "Log in" button.
5、For better WIFI connection, please reset the product WIFI before using it for the first time. You can disconnect the connection by turning off the switch of the refrigerator and simultaneously long pressing " + "and " — " on the upper screen of the control panel of the refrigerator for 3 seconds and hearing one beep.

Add Device
1.From the Home Page, press "Add Device" or press " + "in the top right corner of the screen. (If you already have a device added to your account, the "Add Device" button will not appear.)

2.Connecting
■Auto-connect: (Featured First)
The app will automatically search when Wi-Fi and Bluetooth are switched on, so you can add the corresponding product directly from the automatic search.
Step 1：Press "Add Device" or press " + ".
Step 2：When the device is found, press Add. The Bluetooth function must be enabled during this process.
Step 3：Select your Wi-Fi network. (Be sure to use a 2.4G network)
Step 4：Enter your router password.
Step 5：Wait for connection and click "NEXT".
Step 6：Once the device is added, you can use the menu to change the name and location of the device.
Step 7：When you are finished, click "Done".
■Manual connection: Select your model from the device menu.
Step 1：Press "Add Device" or press " + ".

Step 2：Select the corresponding product type and click the product diagram of the corresponding model

Step 3：After the product is shut down, press "Next".

Step 4：Long pressing "➕"and "➖" on the upper screen of the control panel of the refrigerator for 3 seconds and hearing one beep，Press "Next".

Step 5：Select your Wi-Fi network.（Be sure to use a 2.4G network）

Step 6：Enter your router password.

Step 7：Click "Confirm." The next screen will say "Connect your mobile phone to the device's hotspot".

Step 8：Click "Go to connect." This will take you to your phone's settings (or Wi-Fi list for Android).

Step 9：Select "SmartLife-XXXX."

Step 10：Navigate back to the QZsmart App.

Step 11：Click "Next." Your smartphone will automatically connect.

Step 12：Once the device is added, you can use the menu of the app to change the name of the device.

Step 13：When you are finished, press "Done."

■Follow the APP interface, there are detailed operation reminders in the APP interface, you need to follow the steps one by one；

NOTE: Connection may take up to 60 seconds.

*Once the device is added, you can use the menu of the app to change the name of the device.

 *When you finished, press "Done".

NOTE: Your mobile device is connected to a 2.4GHz Wi-Fi network when pairing with the app.Please select the 2.4GHz network when selecting a Wi-Fi network on the app during setup.

BLUETOOTH MODEL:

Bluetooth function can be used in non-wifi environment.

PREPARATION BEFORE USE:

Please be sure to connect WIFI successfully for the first time. (Again, you must connect to WIFI first, otherwise you will not be able to use Bluetooth in non-wifi environments.)

NOTE: After the WiFi connection is disconnected, wait about 2-3 minutes before you can directly us the Bluetooth control.
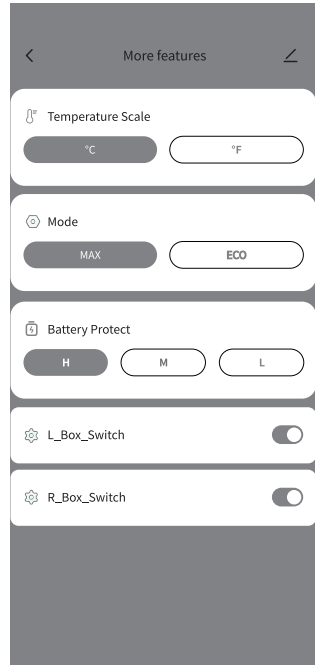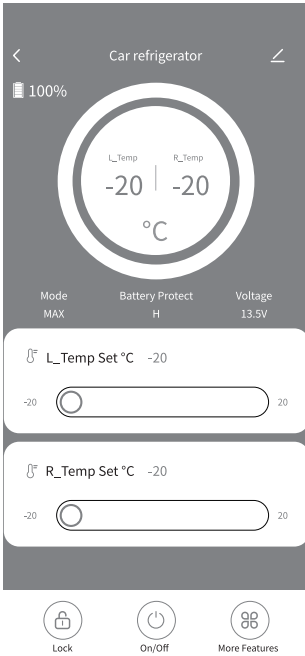
Using the My App

The main interface can control the temperature of 2 compartments respectively;Set up the "LOCK"; Refrigerator switch. Click on "more features" in the lower right corner to set the switch of temperature unit, cooling mode, battery protection mode and refrigerator compartment.

How to unbind

A car refrigerator can only be connected to one mobile phone.

First method : You can disconnect the connection by turning off the switch of the refrigerator and simultaneously long pressing " ✚ "and " ━ " on the upper screen of the control panel of the refrigerator for 3 seconds and hearing one beep.
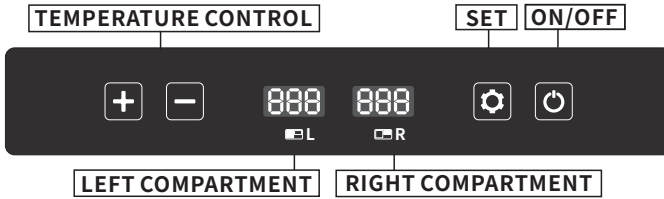
Second method : Removing connection with the app: Open the app and go to the device page. Click " ◿ "in the upper right corner, and then click "Remove Device" at the bottom.

Cautions

*There will be a delay in operating the machine on the mobile phone, about 1-3 minutes, please be patient.

*The language of the APP automatically switches with the language of the mobile system.

*You can lock or unlock the control panel on the refrigerator by operating the APP lock icon. Please note that if you want to lock the refrigerator, please control it through the APP, the operation panel of the refrigerator does not have the function of locking and unlocking.

6.FUNCTION AND OPERATION

TEMPERATURE CONTROL   SET   ON/OFF

| + | − | 888   888 | ⚙ | ⏻ |

LEFT COMPARTMENT   RIGHT COMPARTMENT

• **Power Supply**：connect to 12V/24V DC or 100~240V AC power(using dedicated adapter).

• **Display Screen Initialization**：connect to the power supply, the buzzer will make a long beep, and the display will be on for 1 second then enter the normal operating mode.

• **Power ON/OFF**：press ⏻ to switch ON/OFF.

• **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℃ (-4~68°F)

• **Cooling Mode**：under the running state, press ⚙ to switch HH(fast cooling mode) or Eco (energy saving mode).(*Factory setting is HH.)

• **Battery Protection Mode**: under the running state, long press ⚙ for 3 seconds until the left screen flashes, then press ⚙ again to switch High, Medium and Low (*Factory setting is High).

| ‒ ‒ ‒ | | ‗ ‗ ‗ | | ☰ ☰ ☰ | From left to right: Low/Medium/High.

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.
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.

• **Temperature Unit Setting**：switch off the fridge, long press ⚙ for three seconds until E1 displays, then switch to E5 by pressing ⚙ again. Under E5 mode, press+ or − to select Celsius or Fahrenheit.(*Factory set

• **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 it.

■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

7.CARE AND MAINTENANCE

■Cleaning:
• Unplug the device first to avoid electric shock.
• Use wet cloth to clean the device and dry it.
• Remove the cover and drain from the hole at the bottom of the device.
• 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.
• Remove the cover and drain from the hole, wipe off excess water with a soft rag.
• Leave the lid slightly open to prevent odors from forming.
• Put the device in a cool and dry place.

■Defrosting:
Humidity can form frost in the interior of the cooling device or on the evaporator, which will affect the cooling performance. Defrost the device regularly to avoid this.
• Switch off the device.
• Take out the contents of the device.
• Keep the lid open.
• Remove the cover and drain from the hole.
• Wipe off the defrosted water.

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

8.TOUBLESHOOTING

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 F1 displayed	• Possible cause: low voltage to fridge. Adjust the battery protection from High to Medium or from Medium to Low.

Code F2 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 F3 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 F4 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 F5 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 F6 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 F7 or F8 displayed	• Possible cause: temperature sensor is faulty. Contact manufacturer for service.

Bluetooth connection unavailable	The connection is not correct. 1.When using Bluetooth mode for the first time, it can only be used after the2.4G WiFi network is connected successfully. 2.After the WiFi connection is disconnected, wait about 2-3 minutes before you can directly use the Bluetooth control.
The refrigerator kept working after reaching the set temperature	It is a normal phenomenonx. In order to keep the temperature at the set temperature, the compressor will operate at low power.

9.TECHNICAL INFORMATION

MODEL	CLS 45	CLS 55
RATED VOLTAGE	DC12/24V OR AC100~240V(USING DEDICATED ADAPTER)	
RATED POWER	60W	
CAPACITY	33 3L/1.18 cu.ft	41L/1.45 cu.ft
NOISE	≤45dB	
TEMPERATURE SETTING RANGE	-20~20℃ (-4~68°F)	
CLIMATE CATEGORY	T/ST/N/SN	
DIMENSIONS (L*W*H)	608*365*442mm 23 15/16* 14 3/8* 17 3/8 inch	608*365*512mm 23 15/16* 14 3/8* 20 3/16inch
NET WEIGHT	11.8kg/26.01lb	12.9kg/28.43lb

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

Manufacturer:Foshan Alpicool Electric Appliance Co., LTD.
Address:13A Xinlong Road Shiongliyue industrial Zone, Xintang Village, Lunjiao Town, Shunde District, Foshan City, Guangdong, China
Contact：Kelly　　Tel：+1 (838) 900 9806　　E-Mail：info@iaobosi.com

Thank you for choosing A aobosi product. We sincerely hope that you are satisfied with it.

The manufacturer's warranty covers the product for a period of 12 months from the date of purchase against manufacturing faults. All warranties are automatically kept track of in our system, so there is no need to register your product.

Agent/Distributor is welcome to contact us. **Email:info@iaobosi.com.**

Any help or questions during use, please contact us via **website www.iaobosi.com, send email to info@iaobosi.com,** we will service you withi 24 hours. We suggest to provide a warranty card , a photo or a video if there's broken spare part or not working machine so that we can be much more clear about your problems and offer you the best solution.

Ⱥ aobosi **Warranty Card**

Ltem name: _____

Model: _____

Serial No: _____

Store name: _____

Purchase date: _____

Buyer's name: _____

Email: _____

Address: _____

Tel: _____

Please fill in the table and email it within 10 days from the date of purchase.