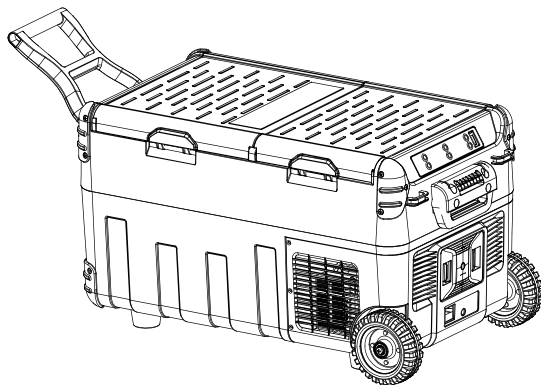




## Instruction Manual

### Car refrigerator



**Brand:AOBOSI**  
**Model:X30K/X40K/X50K**  
**DC12/24V AC100-240V**

PLEASE READ INSTRUCTIONS CAREFULLY BEFORE ASSEMBLY  
RETAIN THIS MANUAL FOR FUTURE REFERENCE

# CONTENTS

<b>SAFETY INSTRUCTIONS</b>	<b>1</b>
<b>PRODUCT STRUCTURE</b>	<b>2</b>
<b>FUNCTION AND OPERATION</b>	<b>3</b>
<b>USA APPLICAZIONE</b>	<b>7</b>
<b>CARE AND MAINTENANCE</b>	<b>8</b>
<b>TOUBLESHOOTING</b>	<b>9</b>
<b>TECHNICAL INFORMATION</b>	<b>10</b>
<b>WARRANTY</b>	<b>11</b>

## 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.
- The appliance can only use our dedicated rechargeable batteries, non-rechargeable batteries are prohibited, otherwise there may be a danger of fire and explosion.
- In use or during storage, battery found there has been high fever, leakage, odor, distortion and other anomalies, please stop using it immediately and stay away from the battery.
- Battery end of life should be immediately removed from the equipment, please properly handle security of spent batteries, do not put into fire or water.
- 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.

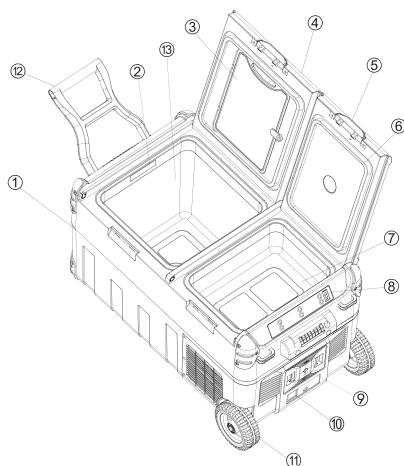
### **NOTICE!**

- 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.

## PRODUCT STRUCTURE



- |                       |                     |                     |                 |
|-----------------------|---------------------|---------------------|-----------------|
| ① Cabinet             | ② Inner light       | ③ Cutting board     | ④ Case Cover    |
| ⑤ Door buckle         | ⑥ Door gasket       | ⑦ Small compartment | ⑧ Control panel |
| ⑨ Battery compartment | ⑩ Power connector   | ⑪ Wheels            |                 |
| ⑫ Handle              | ⑬ Large compartment |                     |                 |

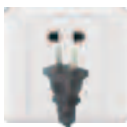
## FUNCTION AND OPERATION

### △ Connect the power supply

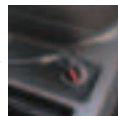
- Find the DC power cord in the kit. Connect DC plug to the power outlet of the car refrigerator.
- Well place the refrigerators in the car (back-up, seats....)
- Lay out power cords as per the interior space of your car. Insert the cigarette lighter plug (one side of the power cord) into the car cigarette lighter hole.



Adapter



Connect the car cigarette lighter



DC 12/24V

Connect the car refrigerator

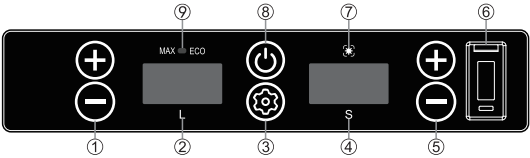
Connect the car cigarette lighter / DC Power Cord / Connect the car refrigerator (Standard mode) / Connect the car refrigerator (Built-in Mode)

The refrigerator can be connected to more than one source of energy.

The refrigerator can be directly connected to the 12V/24V DC power supply.

If the refrigerator is used in 100-240V power supply, an AC adapter should be adopted.

# Dual zone with individual temperature control



- ① Setting for large compartment
- ② large compartment
- ③ Setting button
- ④ Small compartment
- ⑤ Setting for small compartment
- ⑥ USB socket
- ⑦ Cooling indicator
- ⑧ ON/OFF button
- ⑨ Max/Eco

## Turn On/Off

Press ⏻ key to turn on/standby the refrigerator.

## Set temperature

- ①Switch on the fridge, press + to rise setting temperature and - to reduce the setting temperature of storage compartment.  
Setting temperature of two compartments ranges from -20°C(-4°F)~+20°C(68°F).
- ②The temperature display will flash 3 seconds and then fix the setting after adjusting temperature and no more action on buttons. The setting temperature will be memorized and the display will turn back to show real temperature of storage compartment.

## MAX / ECO Mode Conversion



Directly press ⚙️ key to switch MAX mode or ECO mode.  
Max mode (white light) or ECO mode (green light)

## Set car battery protect level



Car Battery Protection Voltage Reference  
Built-in ECO electronic control module can automatically monitor car battery voltage. Refrigerator will be automatically cut off when the power is excessively consumed, So that protecting the battery consumption from too low to affect auto ignition.

Voltage	High Level set to be factory default (Voltage Protection)		
	H1 (High) level	N2 (Medium) level	L3 (Low) level
12V	11.3V OFF, 12.5V ON	10.1V OFF, 11.4V ON	8.5V OFF, 10.8V ON
24V	24.6V OFF, 26V ON	22.3V OFF, 23.7V ON	21.3V OFF, 22.7V ON

**NOTE:** when the refrigerator is on work, “OFF” or “ON” is the stop or start of the compressor.

Battery Protection Levels: H1 (High)→ N2 (Medium)→ L3 (Low)  
Press  key for 3s to enter the battery protection setting. Press  key again to switch H1→N2→L3 levels in turns.  
If no operations were detected, the set level will flash for 3s, then exit and save the current setting.

Celsius (°C) / Fahrenheit (°F)Conversion










Change temperature unit between C and °F by press  and  (on the left side) of large compartment for 3 seconds after switch on the fridge.

Power-off Memory Function

There is a power-off memory function for the car refrigerators. When the power is lose, working state (On/Off status, working mode etc.) which before power-off can be automatically recovered at the next startup, no need to set it again.  
ECO: Energy-saving cooling      MAX: Powerful cooling

**NOTE:** It is recommended to use the large zone as a fridge(for fresh food) and the small zone as a freezer(for frozen food).

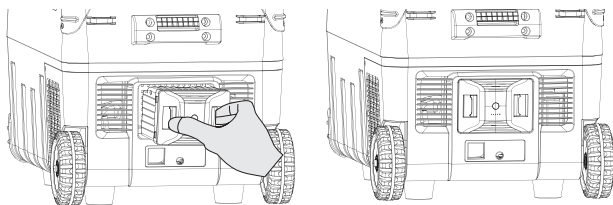
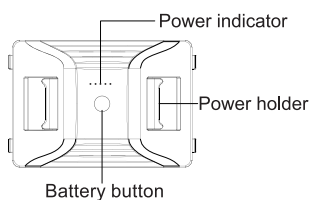
- Recommended temperature for common food:

PRESERVATION TEMPERATURE FOR COMMON FOOD			
	Meat	-18°C	0°F
	Frozen Food	-18°C	0°F
	Seafood	-3°C	26°F
	Vegetables	3~10°C	37~50°F
	Cooked Food	4°C	39°F
	Water	5°C	41°F
	Canned Drinks	5°C	41°F
	Fruits	5~8°C	41~46°F
	Soft Drinks	8~10°C	46~50°F

\* The content above is for reference only.

## Charge the battery

**\*This product does not come with batteries, please contact us to purchase.**



Open battery slot cover.

Press battery button continuously until the indicator is lighted.

Press ON/OFF button to power on the fridge.

Tips: please set battery protection level to "L" if you are using this battery.

If the display of control panel shows "E1", it means the power in the battery is low.

Press battery button continuously to switch off the battery if you don't need the battery or plan to put away the fridge.

Squeeze two battery holders to take out the battery.

Keep the battery in slot.

Connect the fridge with 12V/24V power by cigar lighter power cable or home socket by AC/DC adapter. Then the battery is charging although the fridge is not switched on.

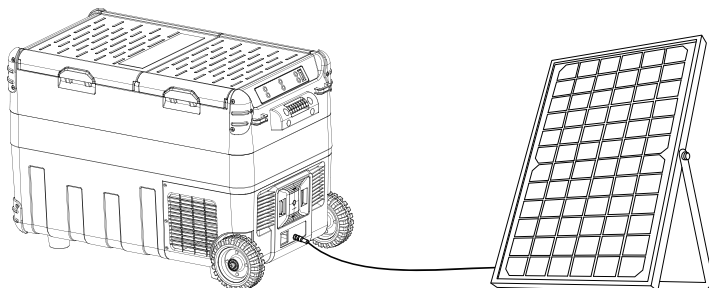
**WARNING!!! Please not charge the battery in temperature higher than 43°C.**

## Use solar power

**\*This product does not come with a solar panel, please purchase your own.**

Specification of solar panel: out put voltage: 12~18V, maximum current < 8A, maximum power < 200W.

Please ensure the battery is kept in the slot. The solar panel charges the battery, not power on the fridge directly.





## USA APPLICAZIONE

We recommend to download the APP by scanning the QR code, it is fast and accurate.



IOS APP  
download code



Adroid APP  
download code

If you download the APP from app shop, please search "car refrigerator".

-This method is only available for Apple system users;

-You must select the app with all lowercase name to download, please select the correct app to download according to the following picture.



Car Refrigerator

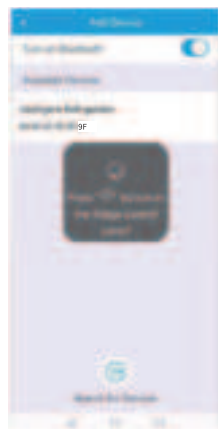
## Operation Steps



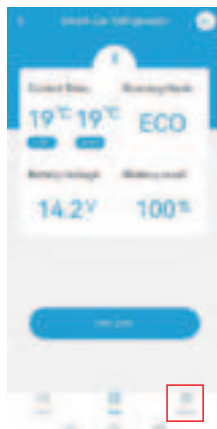
1. Click to turn on Bluetooth & GPS(Make sure it is turned on) .



2. Click to search for devices when Bluetooth & GPS is turned on.



3. Connect the device.  
After search for the device, Press "🔗" button in the fridge control panel



4. Enter the main control

## Page Description



## 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.
- Wipe off excess water with a soft rag.
- Put the device in a cool and dry place.
- Leave the door slightly open to prevent odors from forming.

### ■ 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 door open.
- Wipe off the defrosted water.



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

## TOUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SUGGESTED SOLUTIONS
The refrigerator is not working	The power is cut off	<ul style="list-style-type: none"> <li>• Check if power supply is malfunctioned or not.</li> <li>• Check whether the plug and socket are connected well.</li> <li>• Check whether the fuse has been burnt or not.</li> <li>• Check if the switch is on or not.</li> </ul>
Food is frozen	The setting temperature is too low	Increase the setting temperature
Water flowing sound is inside the refrigerator	It is a normal phenomenon.	It is the flowing sound of refrigerant which is normal.
There are water drop around the refrigerator casing or door gap	It is a normal phenomenon.	When moisture in the air meets the lower temperature refrigerator casing, it will naturally become liquefied and condensed to be water drops. That is a normal phenomenon.
The compressor is slightly noisy when starting	It is a normal phenomenon.	The noise will be less after the compressor works stably.
Code E1 displayed	This is protection mode of low car voltage	Wait for a while to connect the car after it started. Set the battery protection button from H to M or from M to L.
Code E2 displayed	This is the protection mode of overloaded fan	Please replace a new fan when identify there is a fan malfunction.
Code E3 displayed	This is the protection mode of frequent working compressor.	<p>When the refrigerator is used in car and E3 appearing Please shut down for 5 minutes and restart it.If it doesn't work, that can be identified to be E1 fault, please solve it according to the solution of E1.</p> <p>When the refrigerator is connecting with adapter and E3 appearing Please adjust battery protection level to the middle level or low level.If it doesn't work, please replace a new adapter.</p>

Code E4 displayed	It means compressor is overloaded or working at a low speed.	Please adjust input voltage and repower it.
Code E5 displayed	This is the protection code of overheated compressor module.	Please power off for 5 minutes and check if the overheating is caused by the badventilation around compressor.
Code E6 displayed	Open or Short Circuit of NTC.	Please contact the after-sales service.

## TECHNICAL INFORMATION

MODEL	X30K	X40K	X50K
RATED VOLTAGE	DC12/24V		
RATED POWER	60W		
CAPACITY	Left:22L/0.77cu.ft./23.3QT Right:6L/0.21cu.ft./6.3QT	Left:29L/1.02cu.ft./30.7QT Right:11L/0.39cu.ft./11.6QT	Left:35L/1.24cu.ft./37.0QT Right:15L/0.53cu.ft./15.9QT
NOISE	≤50dB		
TEMPERATURE SETTING RANGE	-20-20°C (-4-68°F)		
CLIMATE CATEGORY	T/ST/N/SN		
DIMENSIONS(L*W*H)	714*378*395MM 28.11*14.88*15.55inch	714*378*473MM 28.11*14.88*18.62inch	714*378*551MM 28.11*14.88*21.69inch
NET WEIGHT	17.3kg/38.14lb	18.5kg/40.79lb	19.5kg/42.99lb

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

Manufacturer:Guangdong Minghua Auto Equipment Technology Co., Ltd

Address: 9# East of Changxing Road, Jun'an Town, Shunde District, Foshan City, Guangdong Province, China

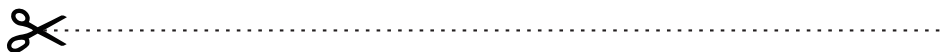
Contact: Kelly Tel: +1 (838) 900 9806 E-Mail: info@iaobosi.com

## WARRANTY

Thank you for choosing 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](http://www.iaobosi.com), send email to [info@iaobosi.com](mailto:info@iaobosi.com), we will service you within 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.



### AOBOSI Warranty Card

Item 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.

Warning. 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.

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
- Conned 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 20 cm (7.9") between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and its antenna(s)

