

Cleaning and Maintenance

- To clean, use water and a mild detergent, never gasoline, diesel or solvents; do not wash with a pressure washer.
- Occasionally clean the air conditioner casing with a damp cloth;
- Regularly remove leaves or other dirt on the air-conditioning grille, do not use sharp or hard objects, and ensure that the air-conditioning grille will not be damaged when cleaning;
- The remote control is often cleaned with a slightly damp cloth, and it is recommended to use a glass cleaning cloth to clean the display.

Technical Parameters

Model			Refrigerant	R134a
Rated Cooling Power	2200W	1600W	Charging volume	460g
Rated Voltage	DC24V	DC12V	Oil	RH68
Evaporating air volume	450m³/h	450m³/h	Tipo de clima	T1
Condensing air volume	1800m³/h	1800m³/h	Climate type	725*660*150mm
Rated electric power	700W	550W	Minimum hole size	375*230mm

*Due to product improvement, the technical parameters will be different from the actual parameters, please refer to the product nameplate parameters.

Frequently Asked Questions

When the parking air conditioner fails, the fault code will be displayed on the digital display.The following table shows the corresponding fault types and professional repair suggestions:		
Error code	Reason	Solution
E 2	Current protection	Check that the pressure is not too high and the fan is running
E 3	Stall Protection	Low battery or high stress
E 4	Under voltage protection	The battery is too low and needs to be charged
E 6	Condensing fan failure	Short circuit of the motor, poor contact of the plug
E 7	Motor phase loss	The compressor terminal is burnt out or the compressor is short-circuited
E 8	Compressor temperature protection	Check for excessive pressure
E 9	Pressure Switch Protection	Is the pressure normal or the switch is damaged
LU	Low voltage	Check whether the battery power is too low or the circuit is in poor contact
OPE	Temperature sensor open circuit	Check if the plug is off or the wire is broken
SHr	Temperature sensor short circuit	Replace temperature sensor

After-sales and warranty

From the date of purchase, if there are quality problems, the whole machine warranty for one year; In the warranty period the following circumstances are no longer free warranty scope, please pay attention to:

- * Man-made damage;
- * Force majeure damage (such as fire, earthquake, etc.);
- * Failure and damage caused by failure to operate according to the precautions in the instruction manual;
- * Disassembly without the manufacturer's permission, resulting in product failure and damage;

Safety Instructions

This air-conditioning system is a refrigeration device specially developed for car parking, but it cannot replace the engine-driven air-conditioning system. For safe and efficient use of this equipment, follow the instructions below:



Wam!

- Do not use a product that is visibly damaged;
- The product is only used within the scope of use clearly specified by the manufacturer, and it is forbidden to change the structure and appearance of the product at will;
- Do not approach flames or other heat sources when in use, and do not place flammable and explosive items around the product;
In case of fire, please do not open the top cover of the roof-mounted parking air conditioner. Please use an approved fire extinguishing agent, do not use water to extinguish the fire;
- Please keep the device out of the reach of children or the weak, and prohibit them from using the device without supervision;
- Persons who are unable to use the equipment safely due to insufficient physical, sensory or mental ability, or lack of experience and knowledge, shall not use the equipment without supervision or instruction.
- Before installing, cleaning and maintaining the air conditioner, disconnect the power cable of the air conditioner;
- The installation and maintenance of the product can only be carried out by professional maintenance personnel. Improper maintenance may cause serious harm. If you need service, please contact the maintenance personnel of the manufacturer;



Notice!

- Installation, please consult the manufacturer whether installing the air conditioner will damage some partsof the vehicle or reduce performance;
- Please consult the manufacturer for the allowable load on the roof, and install it after confirming safety;
- The height of this product is 150MM. After installation, please consult whether you need to change the total height of the registered vehicle;
- Check the size of the installation location, please handle it with care during installation to prevent the product from turning over and falling;
- Do not block the air outlet, and the distance between the air conditioner and the surrounding area shall not be less than 100MM;
If the product is installed without the permission of the manufacturer, the manufacturer shall not bear any responsibility;
- For cars whose roof is tilted forward, it should be noted that the forward tilt angle of this product should not be greater than 20° ;
- The provided installation accessories cannot be replaced by yourself, only the installation accessories provided by the manufacturer can be used for installation.



Hint!

- Park your vehicle in the shade as much as possible;
- Please cover the body with a car cover when the vehicle is not in use;
- If your car is not equipped with a driving air conditioning system, please open the doors and windows to let the car ventilate before using this device;
Please close the doors and windows when using the device;
Exclude all heat sources in the car to ensure that the performance of this device is not disturbed by other heat sources;
- Reduce the use of electrical power equipment in the vehicle to potentially extend the operating time of equipment;
- Select the appropriate temperature and operating mode;
- Make sure that no cloth, paper, and other foreign objects block the air outlet and return air grille;
- If you want the appearance color of the device to match the color of your body, only the top of the device shell can be painted. It is recommended to ask a professional painting factory to paint;
- Clean the body regularly, the cab will be covered with dust and cause it to heat up faster;
When using it for the first time, there may be a slight peculiar smell, which is caused by the air conditioner manufacturing process and will disappear after the first operation;

• Use of this product:

- *The equipment is mainly used for cooling in the cab;
- *This system is a car parking air conditioning system, which can also be used while the vehicle is running;
- *This device cannot be used for agricultural and construction special vehicles;
- *The operating temperature setting range of the device is 5 -32 ;

• Recycling:



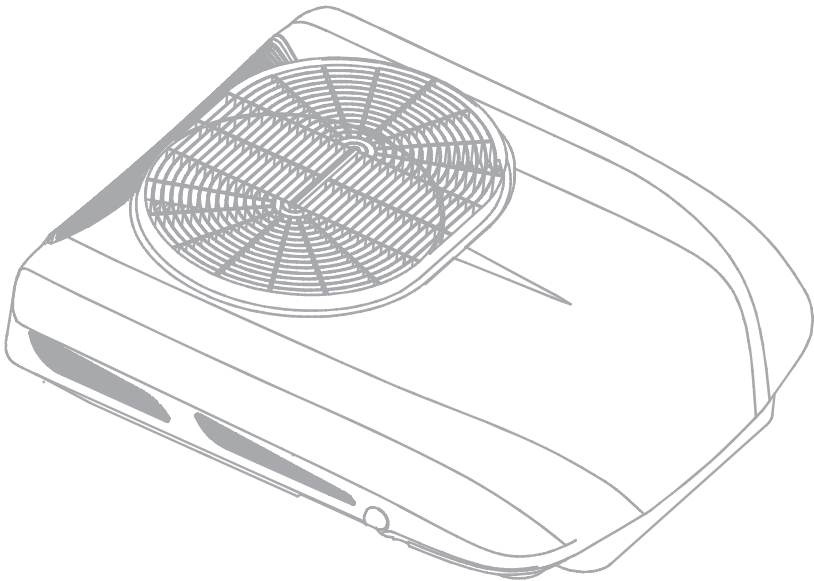
You wish to final dispose of this product, please consult your local recycling center or specialist dealer for details on how to comply with the recycling.
Disposal regulations operate. Please dispose of this product at an official waste disposal site that observes recycling regulations.

• Disposal of remote control batteries:



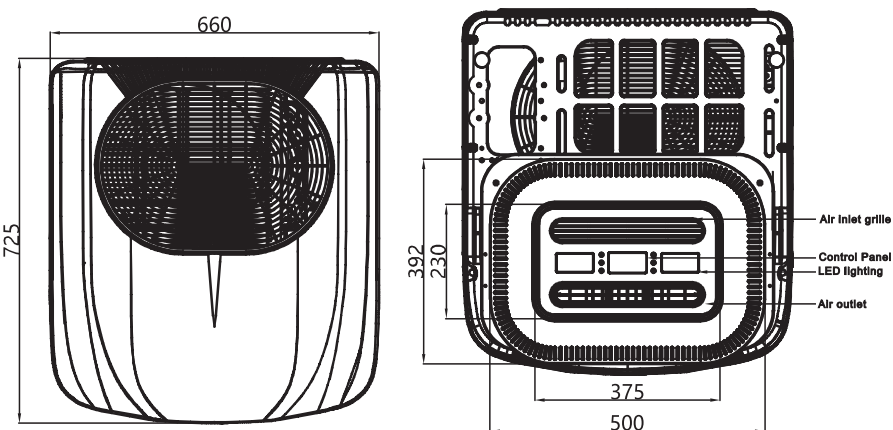
Protect environment
Do not dispose of batteries with general household waste. Please return defective or used batteries to your retailer or dispose of them at a centralized point.

USER MANUAL

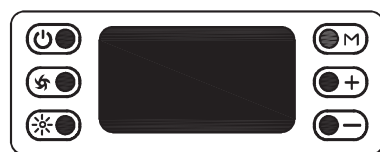


Please read this manual carefully before use and keep it in a safe place

Product description

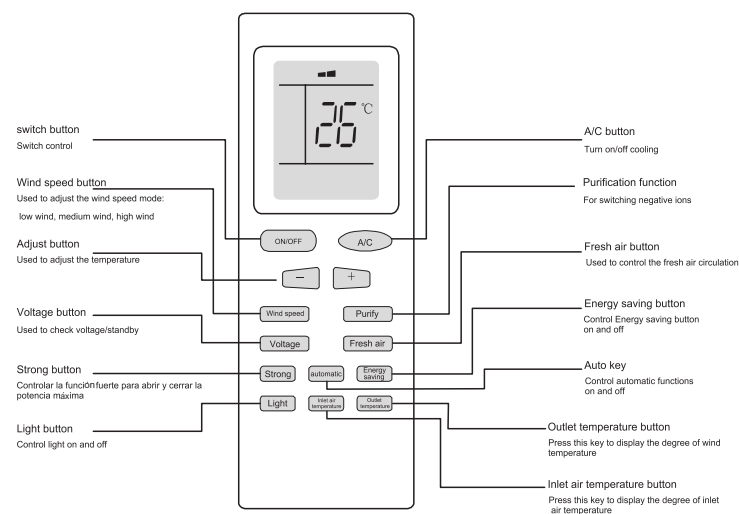


Function and Operation



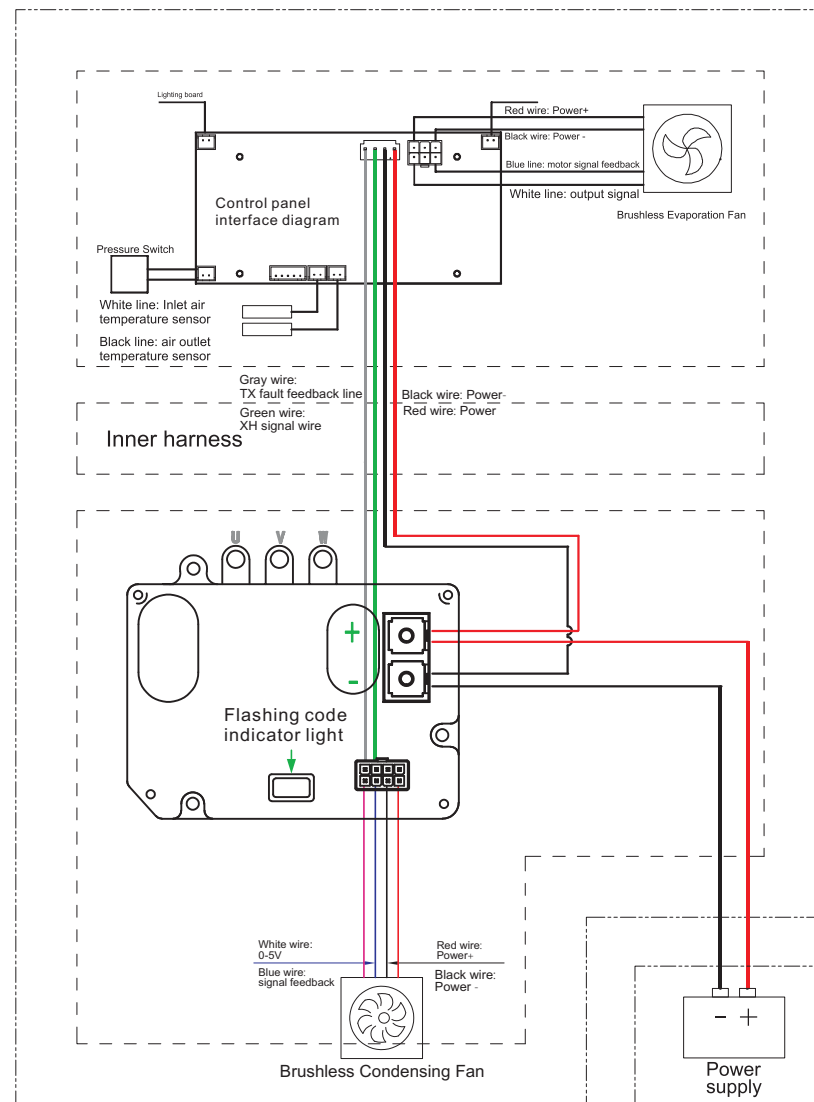
control panel

- Power on/off:
 - Turn on the power, short press the power button to switch the machine
- Temperature setting:
 - In the power-on state, press "Temperature+" or the temperature-" key to adjust the temperature, and set the temperature up by 1C or down by 1 . Setting temperature range: 5-32 .
- Wind speed setting:
 - In the power-on state , short press the wind speed button , and the wind gears will be selected in turn according to the order of "1-2-3-4-5" 5 wind gears.
- Working mode setting:
 - Power-on state, short press the button , and the current working mode can be selected in cycles from the three mode keys of "refrigeration-sleep-forced cooling".
- Lighting setting:
 - In the power-on state, short press the button to turn on/off the light.
- Undervoltage protection settings:
 - After pressing the button for 6 seconds, the display will display the current battery voltage value, press "Temperature+" or "Temperature-" to set the undervoltage protection value.
 - Automatically exit the setting after 6 seconds without pressing the button . The factory default undervoltage protection value of 24V host is 21.5V, and the factory default undervoltage protection value of 12V host is 10. 5V.

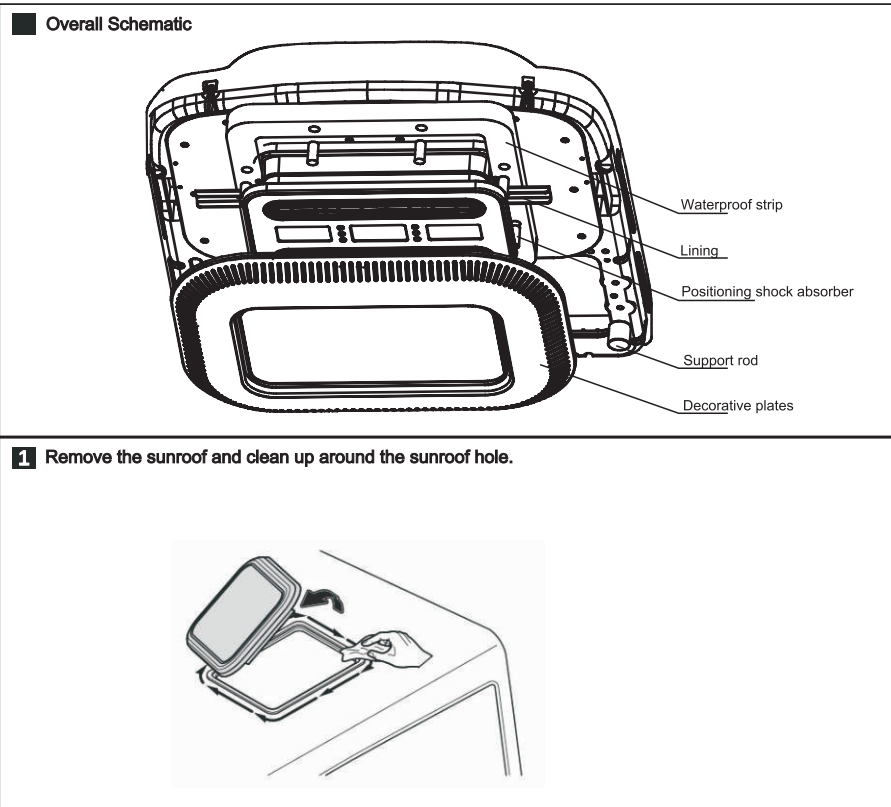


remote control

Air conditioner wiring diagram

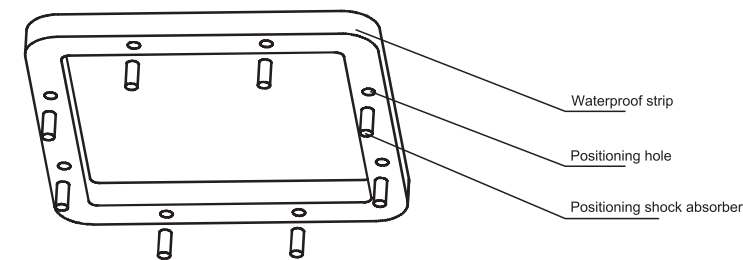


Product installation

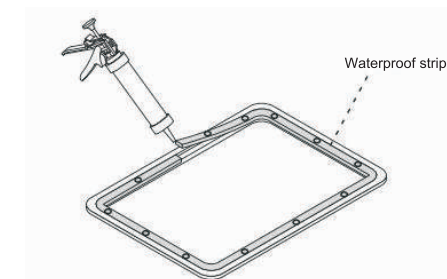


Product installation

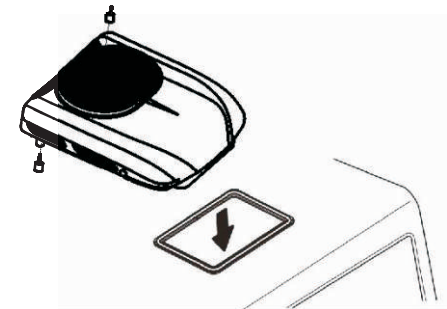
- 2** Install the positioning damping rod to the positioning hole of the waterproof strip.



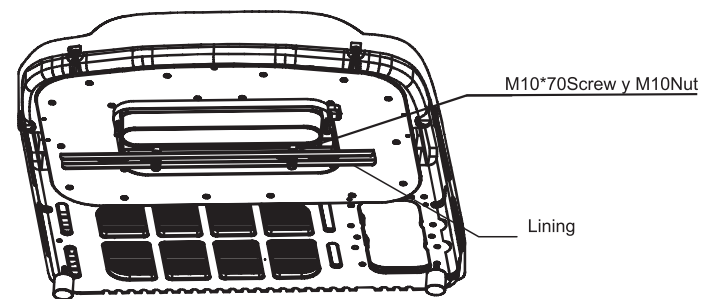
- 3** Paste the waterproof strip along the skylight, and coat the edge of the waterproof strip with waterproof glass glue.



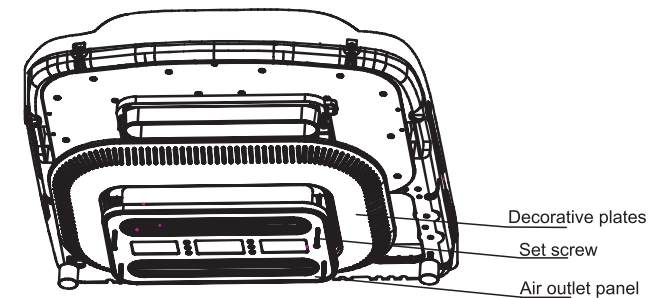
- 4** Install 2 support rods on the bottom plate of unit, adjust the height and then fix the unit on the skylight flatly.



- 5** Remove the panel screws, remove the air outlet panel, first fix the M10*70 screw rod to the unit with M10 nuts, and then use M10 nuts to lock the lining to fix the unit with car.



- 6** Install the decorative panel, connect the wiring harness, and then fix the air outlet panel and the decorative panel to the main unit with the removed screws.



- 7** Connect the power supply. Connect the red power wire connects to the power supply positive. The black to power supply negative.