

Glass Cleaning Robot

Instructions



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Technical Support

If there is a problem with the product, and can not obtain the solution in the instruction manual, please contact the original purchase business or local dealer.

Responsibility Statement

Any express or implied content of this article, Our company does not make any statement or guarantee, but also expressly refuses to provide any guarantees, trade, or for any particular purpose of the application. In addition, Our company dedicated to the production of this document, but because of the improvement of the product works continue to change our products and the right to change the relevant documents, without further notice.

This product shall be used as a tool for cleaning glass, place and safety, and shall be determined by the user.

Important Safety Precautions

Before using this product, please read all instructions.

Warning

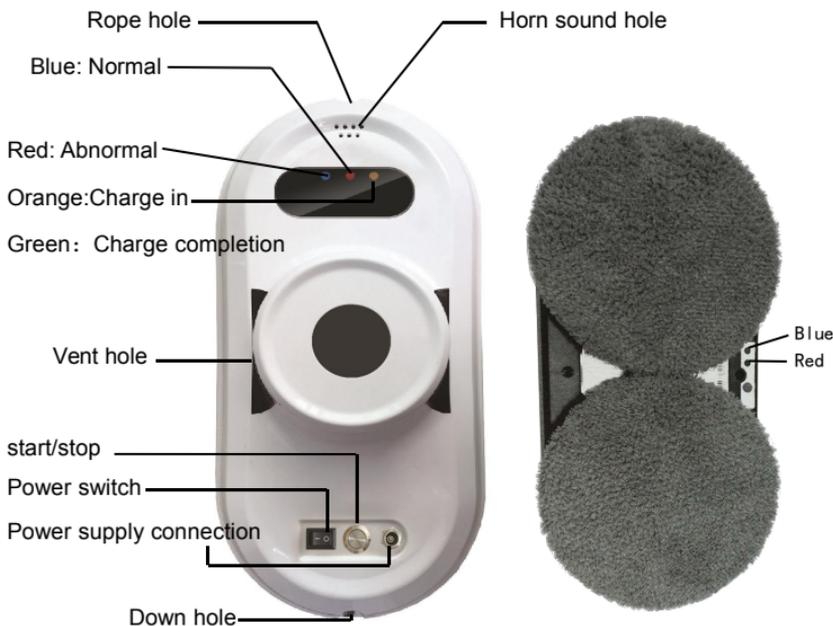
1. Before use must fasten safety rope, safety rope and tied the fixtures, in order to avoid danger.
2. Please check before use the safety rope is broken, the knot is loose.
- 3.No balcony of the glass doors and windows, must be set on the ground floor of the risk warning area, close to the ban.
- 4.This machine must be followed by the power cord to be used normally.
5. Please in the built-in battery under saturated electric (green light) to use.
6. Please open the power before placing the machine.
7. When the machine is placed on the glass, please make sure that the machine can be adsorbed on the glass and let it go.
8. Please take off the power after turn off the machine.
9. Do not use in no frame glass.
10. Make sure to clean the ring on the cleaning wheel to avoid leakage.
11. Do not use in rainy or wet weather.
12. Do not spray directly on the machine.
13. Do not allow children to use.
14. Remove obstacles from the glass, and prohibit the use of cracks in the glass. When used in reflective glass and coated glass, be careful because of wind and sand blown glass surface.
15. Do not use hair, clothes, fingers and any part of the body near the opening of the product or rotating parts.
16. Do not allow the machine to suck in gasoline and other flammable liquids, gases, or in the use of flammable liquids, gases.

Specifications

Product size	298*150*120mm
Product weight	945g
Gift box size	300*234*140mm
Gift box total weight	2.15kg

Input Voltage	100~240VAC,50Hz/60Hz
Adapter output	24V/3.75A
Adapter certification	UL, FCC, CE, RoHS
Power consumption	80W
AC power cord length	1.0m
DC power cord length	4.0m
Safety rope length	4.5m
Battery	4xLi-Po,3.7V
Battery working time	20 minutes
Battery life time	2 years
Cleaning speed	4min/m ² (clean twice everywhere)
Maximum cleaning area	Height:6 meters Wide:5meters

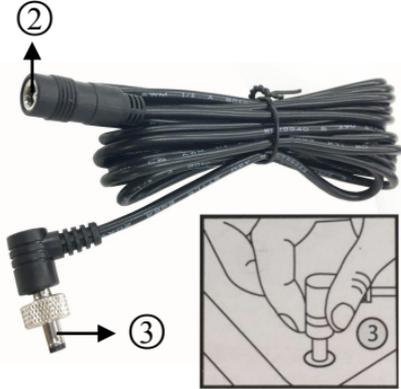
Product description



Introduction to Use

● Attention: This machine must be followed by the power cord to be used normally.

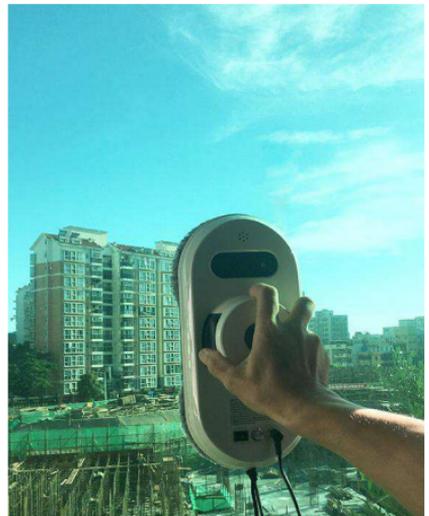
- (1) ① and ① docking
- (2) ② and ② docking
- (3) ③ Docking product and tighten the nut
- (4) Tighten the safety rope
- (5) Plug in the AC220 power plug
- (6) Check the power adapter and the indicator lights on the product to confirm that it is correct, turn on the power switch on the product, and then place the product on the glass window that needs to be cleaned, you can select the button on the product or the remote control to start the product.



Tighten the safety rope



Plug in the AC220 power plug



Place the product

- How to put the machine on the glass to start using:
 - (1) First open the machine power, confirm the fan rotation.
 - (2) The machine will be placed in the glass, and a distance from the window frame.
 - (3) Confirmed that the machine can be adsorbed on the glass and then let go.
- How to remove the machine from the glass:
 - (1) Under the normal operation of the machine, one hand to seize the safety rope, one hand to take down the machine.
 - (2) Take down the machine to safe area, then turn off the power supply.
- Safety rope and safety rope buckle:
 - (1) Please check the safety rope is broken, the knot is loose before use
 - (2) Please fasten the safety rope before use the machine, Safety rope binding on the fixture
- Uninterrupted Power Supply(UPS):
 - (1) When the power supply is cut off, the machine will use the built-in battery , which can be maintained for 30 minutes.
 - (2) When the power supply is cut off, the machine will stay in place to continue when, and issued a warning sound, flashing red light. At this time, the user should be returned as soon as possible machine, in order to avoid running out of power and drop.
 - (3) The safety rope can be used to gently pull back the machine; when the safety rope is connected, the glass should be close to the glass to avoid falling.
- The machine has a built-in battery, standby battery for power outages before use, please confirm the battery full power (Green LED).
 - (1) Turn off the power switch on the machine, when the power cord is connected, orange lights in charging status.
 - (2) The green light indicates that the battery is fully charged.

●Other precautions:

- (1) Do not use in glass without borders.
- (2) Ensure that the cleaning ring is installed on the clean wheel, in order to avoid leakage of gas.
- (3) Do not use in rainy or wet weather.
- (4) No balcony window, must be set on the ground floor of the risk warning area, No Approaching.

LED Indicator light

state	LED indicator light
1. Charging	Red
2. Fully charged	Green
3.Cut off	Red light flashing Warning sound
4. Hardware problems	Red light flashing Blue lights flash error code
5.Check-the-friction-coefficient is too large or too small	Red light flashes once Beep
6. Vacuum too low	Red light flashes once Beep
7. Air leakage during operation	Red light flashes once Beep

How to clean the glass

Step1: Dry wipe

- Wipe for the first time, you must use the "dry brush" (no water spray), to remove dust on the surface of the glass.
- If you first spray some water (cleaning agent) in a clean cloth or glass, water (cleaner) will be mixed with the sand will become yellow mud, wiping the results will be very bad.
- Use in sunny or low humidity weather, Dry scraping effect is best.
- Can not be used in rainy days or wet weather, there will be a

white fog like water vapor traces.

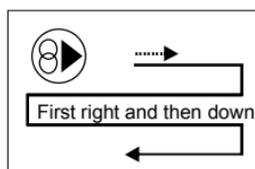
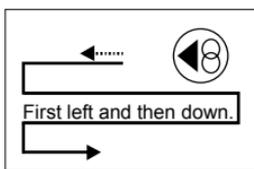
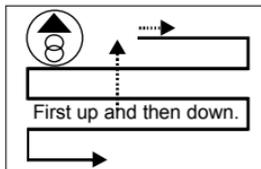
Step2: Replace the cleaning cloth, the upper part of the cleaning wheel to keep clean and dry, clean the lower part of the cleaning agent (1-2 spray), can not be completely wet, wet cleaning cloth will affect the operation of the machine.

Remote control function introduction

The front and back of the machine can receive the signal from the remote controller.

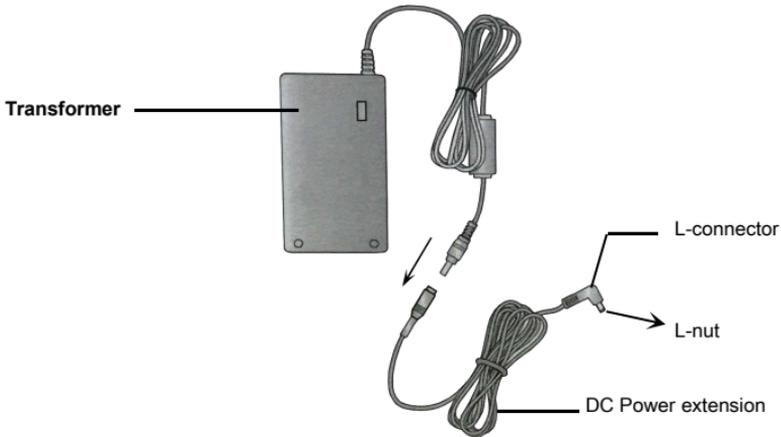


	First up and then down.(automatic)		Moveup manually
	Frist left and then down.(automatic)		Movedown manually
	Frist-right-and then-down.(automatic)		Move-to-right-manually
 	Stop		Move-to-left-manually
	Start	 	Not used yet



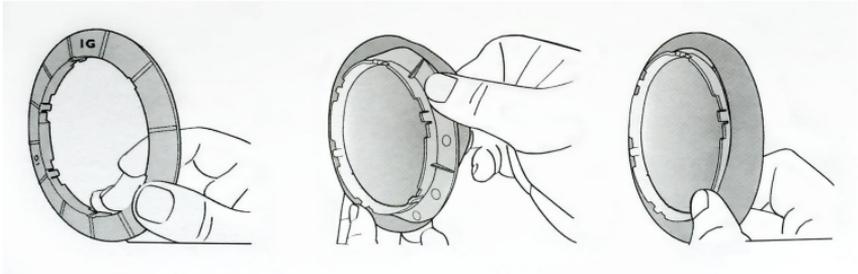
※If you want to replace the battery of the remote control, please will remote control back down at the bottom of the battery cover can be replaced.

Transformer /DC extension line

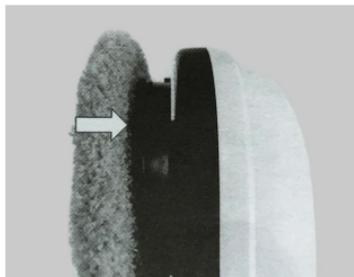


Use of cleaning ring / cleaning cloth

1. Fitted with a clean cloth



2. Make sure to clean the ring on the cleaning wheel to avoid leakage.



Common Problems and Troubleshooting

Q1: At the beginning of the machine will be self test, if you can not run smoothly and there is a warning, main the friction is too large or too small.

Ans: Please check:

- (1) Clean cloth is too dirty.
- (2) Glass attached to the stickers that relatively low coefficient of friction .Not suitable for use.
- (3) Glass already wipe very clean, the glass will be too slippery.
- (4) When the humidity is too low , the glass will be too slippery.
- (5) Start-up (Put  , or  , or  , Please put the machine in the middle of the glass window, to avoid machine error.

Q2:Put  Automatic cleaning mode, the machine due to slippage and can not be successfully detected on the edge of the window:

Ans:Please Put  , instead of  or  automatic cleaning mode

Q3: The machine can't wipe window completely, and early completion of window cleaning operations.

Ans: Put  or  Automatic window cleaning mode to continue unfinished parts.

Q4: Skid and couldn't climb up while work, possible reasons:

Ans: (1) The friction is too small. The friction coefficient of the sticker or the heat insulation sticker or the fog surface is relatively low.

(2) Cleaning cloth too wet.

(3) Glass already wipe very clean, the glass will be too slippery.

(4) When the humidity is too low , the glass will be too slippery.

(5) Start-up (Put  , or  , or  , Please put the machine in the middle of the glass window, to avoid machine error.

Q5: Machine running is not smooth, possible reasons:

Ans: (1) Cleaning cloth is too dirty, please replace the cleaning cloth.

(2) There are uneven area on the surface of the glass. (Sticker area, Heat insulation sticker area or Fog stickers area), Please use in the smooth area.

(3) Cleaning wheel screw loose, please lock.

Q6: After cleaning, the surface of the glass has some Circular wheel printing.

Ans: (1) Cleaning cloth is too dirty, please replace the cleaning cloth and clean again

Q7: The machine stopped working because of a power outage, issued a warning sound, the red light flashes, how to deal with?

Ans: (1) With a safety rope to gently pull back the machine, pull the safety rope, should try to close to the glass to avoid falling.

(2) Turn off the machine power switch.

(3) Check if the wire is in poor contact with the broken line.

Q8: Machine encountered an obstacle to stop, the red light flashing, no warning sound, how to deal with?

Ans: (1) Remote control machine to a safe position, or with a safety rope to gently pull back the machine. Pull the safety rope, should try to close to the glass, avoid falling.

(2) Eliminate obstacles on doors and windows.

(3) Check if there is a cause of leakage.

Q9: Boot, the machine does not operate, no alarm?

Case	LED	The machine status
1	Blue: twinkle Orange: bright Red: Not bright no alarm	Battery voltage is too low, please wait for full power (green light) and then use. If the charge more than 8 hours, the situation is the same, said the battery has been broken.
2	Blue: twinkle Red: twinkle no alarm	Machine hardware exception Please contact the local dealer or business reasons to repair.

Q10:After wiping the glass, There are traces of arc at night lighting?

Ans: For the first time, clean the sand with a clean cloth.

For the second wipe, please replace the clean cloth, clean and dry the upper part of the cleaning wheel, the lower part of the cleaning agent sprayed a little cleaner or alcohol (1~2) can not be completely wet, can

eliminate the arc trace. All wet cleaning cloth will affect the operation of the machine.

Q11: The machine has cleaned the whole window, but it can't stop automatically.

Ans:  Please press to stop operation.

Power / Battery Safety Training

- Please only use the machine with the accompanying transformer. Using other types of power lines or transformers can cause trouble or danger. Please use the appropriate power outlet, and determine not to put heavy objects on the transformer or power line.
- Turn off the power before maintenance and pull off the plug from the socket.
- When you use the transformer, please keep the better ventilation around the transformer. The transformer can not cover use paper or use any other cooling object.
- Do not use a transformer in a highly humid environment. When your hands or feet are wet, do not touch the transformer.
- Transformers or power lines must be connected to the correct power supply, the transformer will provide information on the demand for voltage.
- Do not use damaged transformers, wires.
- Transformer is a high voltage electrical components, do not try to repair the transformer. If the transformer or power cord is damaged or exposed to excess moisture, please replace the transformer.
- If the battery is used improperly, it may cause fire or chemical burns. Do not disassemble the product, short circuit, or put in the temperature of 60 degrees C (140 degrees F) above, also you can not burn the product.
- Do not put this product as a household waste treatment, should be handed over to the local electrical or electronic equipment recycling station.

General Security Information

- Please keep this instruction manual.
- Be sure to follow the instructions and warnings associated with the

system.

- Please do not be exposed to rain or excessive moisture host place, and keep it away from the liquid (e.g., beverage and faucets etc.)
- Do not machine exposure in the sun when exposure to direct (or light) place, and keep it away from heat source (such as radiator, Heating machine, and heater, etc.).
- Do not put the machines in an environment with a strong magnetic field.
- Put machines and accessories in a place where children can't get.
- Product operating temperature: 0°C-40°C (32°F-104°F)
- Product storage temperature: -10°C-50°C (14°F-122°F)

Cleaning Cloth Washing Instructions

- Washing temperature lower than 40°C (104°F)
- Do not bleach
- Non drying
- Do not iron
- Not dry cleaning.



Guarantee

If you find your cleaning robot in the purchase or warranty period of time due to material, production and functional problems and defects, can be purchased by the original business or local dealers decided to repair or replace free of charge.

Non Warranty Coverage

- 104°F Normal wear (e.g. Cleaning cloth、 Safety rope ,etc.)
- Battery discharge is reduced because of battery life or use (2 Years) .
- Accidental injury or failure caused by improper use, negligence or failure to follow the instructions.
- Use of this product for use outside the home.
- Use of non original plant parts, parts.
- Installation error.