

WINDOW CLEANING ROBOT

Instruction Manual



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1.Safety Criteria

Please read this manual carefully before using the product.

Save the manual.

When using the product, please maintain consistent vigilance and keep the following precautions:

 **1.This product is strictly forbidden to use under the following conditions:**

- 1.1 Products can not be used by children under 12 years old and the person physically or mentally impaired. Please do not allow children close to the working robot or as robot be a toy to play.
- 1.2 Do not use this product on glass that has broken marks, ad paper, or bumps to avoid the risk of broken glass, dropped product, and so on.
- 1.3 Do not use this product on non-planar glass such as curved surface and beveled surfaces.
- 1.4 Do not use this product on framed glass with a glass frame thickness of less than 5 mm.
- 1.5 Prohibit the use of large areas of wet or oily glass to avoid slipping products caused by the risk of falling.
- 1.6 After cleaning, you can use detergent to clean the cleaning cloth. After cleaning, please dry it in time.
- 1.7 Do not place this product in water or other liquids to reduce the risk of electrical shock. Do not store this product where it may fall or be pulled into the tub or sink.
- 1.8 Do not use the product in a situation where the product is not completely adsorbed or has been significantly damaged.
- 1.9 Do not touch the plug or the product with wet hands.
- 1.10 Do not place the machine on household appliances, damp or have a fire source to charge, so as to avoid unnecessary losses.
- 1.11 Even if the product has been seriously damaged, the products can be banned.
- 1.12 Strictly prohibit the use of this product without fixing safety rope assemblies.
- 1.13 Do not use the product with a damaged power cord or an electrical

1.Safety Criteria

outlet. Do not use the product when it is not working properly due to dropping, damaging or water ingress. To avoid injury, the product should be repaired by the manufacturer or its after-sales service department.

1.14 The cleaning cloth can be applied to the wet glass surface, Non-reflux of water droplets on glass. When the flow of water on the glass is left, it is strictly prohibited to use this product.

2.The following conditions should be noted when using this product:

2.1 Products just can use for outside when the temperature at 0-40 degrees, no heavy wind, no rain and dry air. When using the product through the safety rope and safety buckle must be properly connected.

2.2 Always keep the product powered on while the product is in operation.

2.3 Use only in a domestic environment. Do not use in commercial or industrial areas.


2.4 Please use the product as indicated in the instructions, use only the accessories recommended or sold by the manufacturer; use only the original adapter made by the manufacturer, and ensure that the voltage of the power supply is in line with the voltage marked on the adapter.

2.5 Please use the power line carefully to avoid the damage. It is forbidden to use the power line to drag, pull the product or use the power line as a handle; it is forbidden to close the glass window with the power line or put the goods on the power line in the process of use, and the power line should be far away from the heat source.

2.6 If the soft wires of the power cord are damaged, they must be replaced by the manufacturer, his or her maintenance department or similar professionals in order to avoid danger.

2.7 The plug must be unplugged from the socket before maintaining or cleaning the product, but not from the socket by pulling the power cord.

1.Safety Criteria

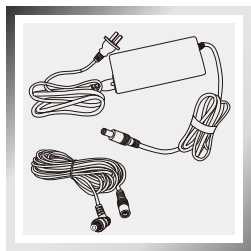
 **Please use the product in accordance with the instructions of this manual. The company is not responsible for any loss or injury caused by improper use.**

2. Product Composition

2.1 Package Contents



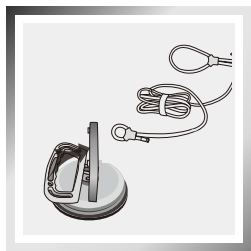
Host



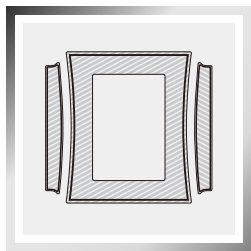
Adapter Component



Instruction Manual



Safety Rope Components



Clean Cloth

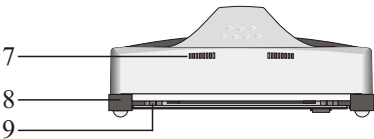
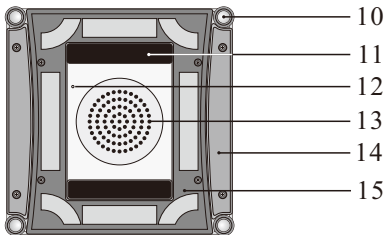
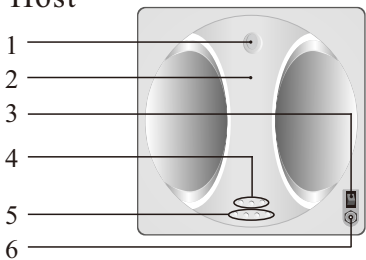
2.2 Technical Parameters

Operating Voltage (V)	24 ---	Rated power (W)	75 ---
Rated input voltage (V)		3 ---	
Adapter Type: WT-2403750			
Input: AC110-240V 50/60Hz		Output: DC24V 3.75A	

2. Product Composition

2.3 Part name

Host

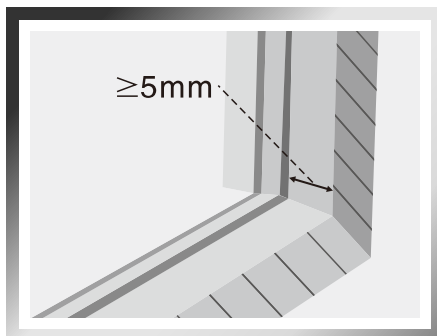


- 1. Pause /Start button
- 2. Handle
- 3. Power switch
- 4. Status indicator
- 5. Battery indicator
- 6. Power jack
- 7. Air outlet
- 8. Guide wheel
- 9. Floating wiping chassis
- 10. Anti-drop sensor
- 11. Drive wheel
- 12. Suction sensor
- 13. Air inlet
- 14. Cleaning cloth paste area 1
- 15. Cleaning cloth paste area 2

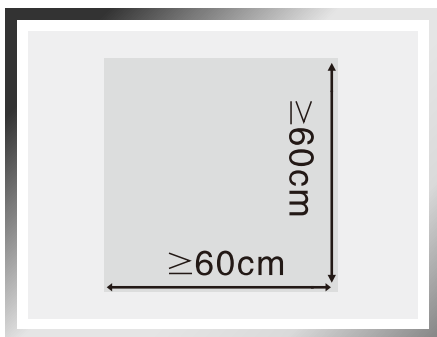
3. Product Manual

3.1 Precautions before use

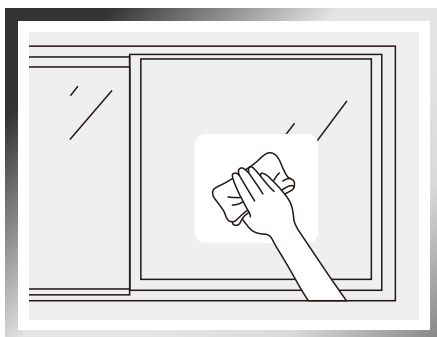
It is strictly forbidden to use this product on framed glass with a thickness of the border (height difference from the glass surface to the bezel) of less than 5 mm.




Use this product in a framed or frameless ratio of $\geq 60 * 60\text{ cm}$




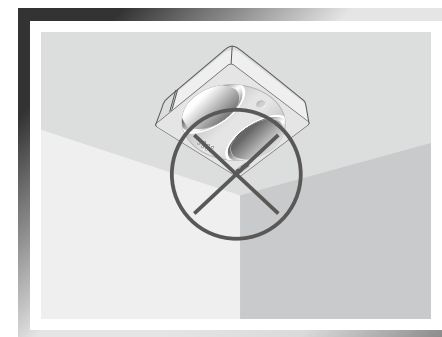
If there is too much dust on the surface of the glass, wipe out a clean area of product size before using the product for product adsorption.



3. Product Manual

 When the product is working on a horizontal glass surface, the remote control should be used to control the operation of the product. If you use this product on windows that are not completely vertical, the product may not function properly. Make sure that you are in the side care area and, if necessary, assist the product.

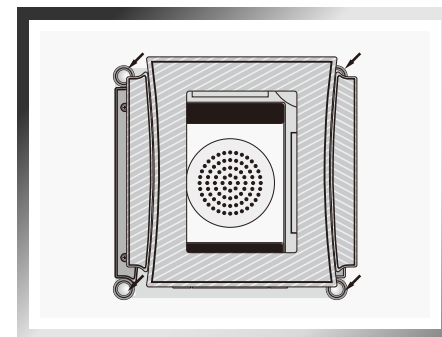
 This product can not be used in the inverted case.



3.2 Install the cleaning cloth

Place two small cloth evenly on the left and right sides of the machine.

Place the square cloth evenly on the middle of the machine.

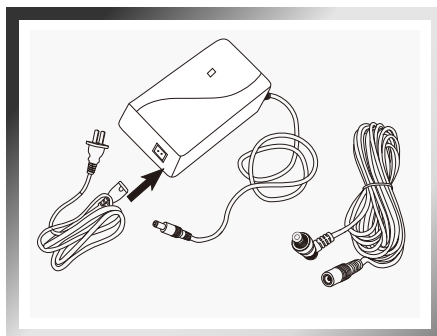


Before use, spray a small amount of water on the cleaning cloth and place it on the surface of the glass. Do not pour water on the glass surface or on the product.

3. Product Manual

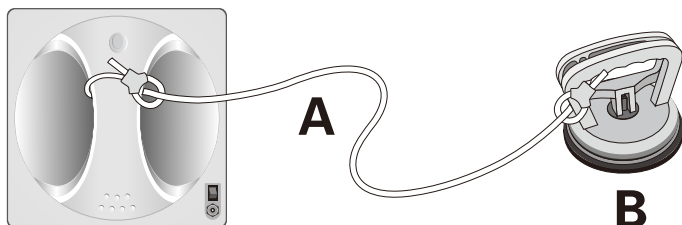
3.3 Connect the adapter

Disassemble the power line end of the product and the power line of the adapter, connect both ends of the extension line to the power line end of the product's power supply line and the adapter power line, and tighten up the power line at the end of the power supply line and the adapter.



3.4 Assemble the safety rope assembly

When using this product to wipe the glass, use a safety rope assembly to secure the product and improve the safety of the product.



A. Safety Rope

B. Sucker



Note: Sucker direction for use

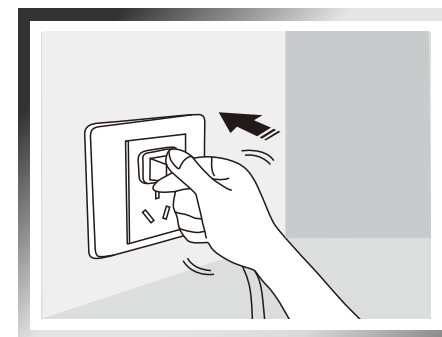
1. The suction cup is pressed to the top of the glass when the suction handle is separated.
2. Handle closure.
3. Pull the handle to confirm the solid adsorption.

3. Product Manual

3.5 Product work

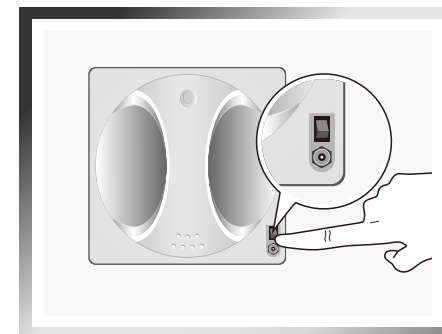
- 1** Connect the power supply and make sure fasten the safety rope

Do not disconnect the power supply while the product is running. Otherwise, the product will fall risk.



- 2** Turn the power switch on

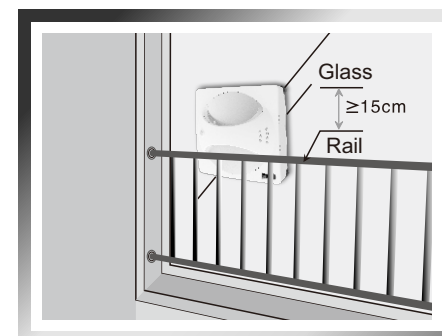
When turn on, do not let the hair or other small objects near the fan, so as not to affect product clogging the fan running.



- 3** Secure placement

Make sure the product is in the normal operating state, place it on the glass surface, make sure the product is completely adsorbed on the glass, then release the handle.

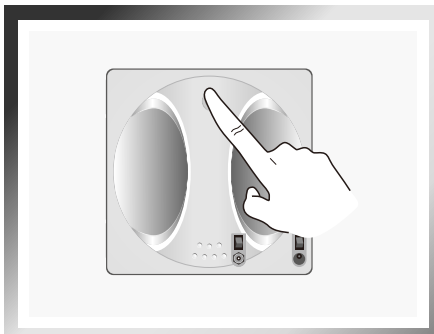
If there is an immovable obstacle (such as a guard rail, furniture, etc.) in front of the window, then the window and obstacle spacing greater than 15cm can use this product.





3. Product Manual

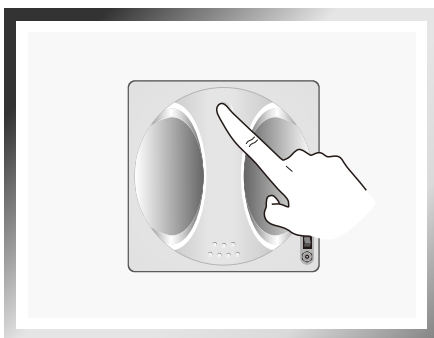
4 Start working

:Press the button  on the host , can start the automatic mode.



3.6 Product pause


In the process of working, by host  to pause, need to restore work, again press  , machine is shipped according to the original route.

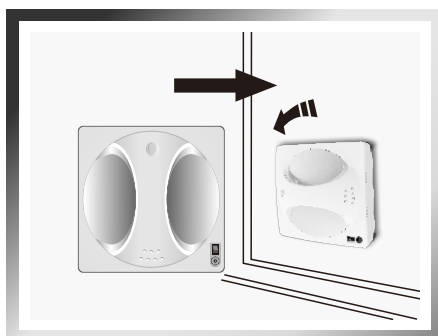


3.7 End the work

End glass cleaning, the product will return to the start position, the beep sounds.

1 Remove the product

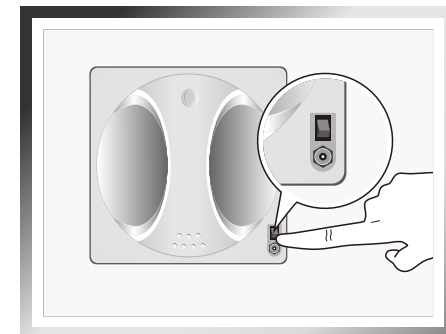
Grip the product handle, press  about 5 seconds, the fan stops working, then remove the host from window. Use a dry cloth to gently wipe off the mark on the glass.



3. Product Manual

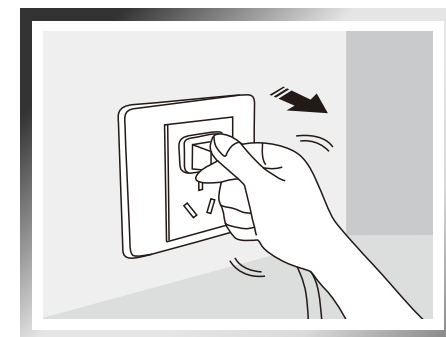
2 Power off

Press  will turn off.



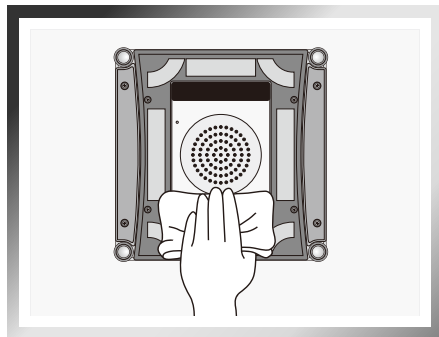
3 Disconnect power

Remove the safety clip and disconnect the power supply.



4. Maintenance

4 Clean Walking Belt

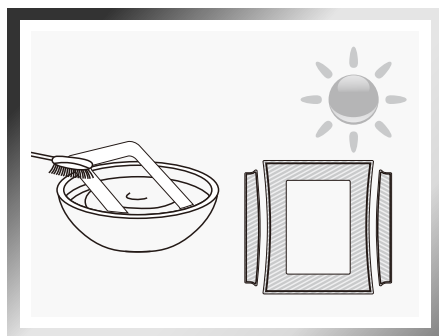


⚠ When cleaning the cloth and bottom components, unplug the power and turn off the host.

4.1 Cleaning cloth

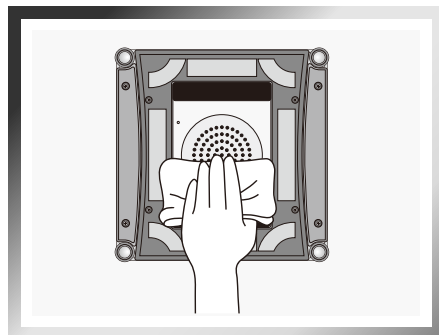
Remove the cleaning cloth, soak in water at 20 °C for 2 minutes, then with a soft brush clean .

Do not rub or wring dry, dry naturally before use.



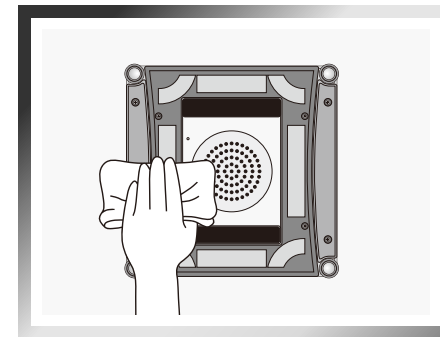
4.2 Bottom components

Fan: Clean with a dry cloth so as not to damage the product suction.

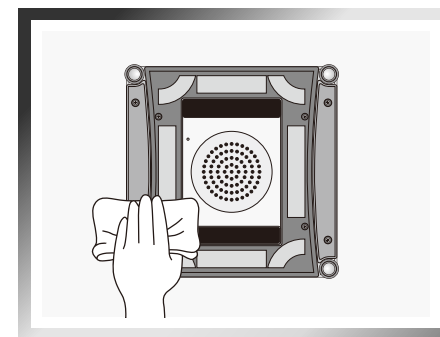


4. Maintenance

Walking belt: Clean with a dry cloth so as not to damage the product suction.



Fall prevention sensor:
Clean with a dry cloth to maintain its sensitivity.



5. Status Indicator

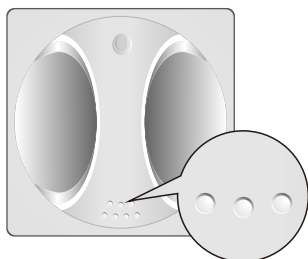
1. The indicator lights of the current running status of the machine are yellow-green two-color light, blue light and red light.

Yellow: Charging

Green: Charging completed

Blue: The machine is normal

Red: Machine abnormality



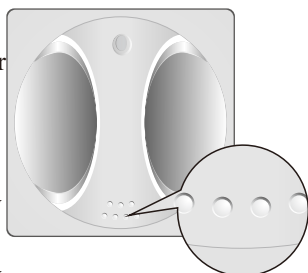
2. The indicator of the current power of the machine (blue).

1 light is on : The battery electricity is less than or equal to 25%

2 lights is on: The battery electricity is less than or equal to 50%

3 lights is on: The battery electricity is less than or equal to 75%

4 lights is on: The battery electricity is less than or equal to 100%



6. Fault Description

I Troubleshooting Solution:

Number	Appearance	Solution
1	Machine Slips	Clean cloth too wet or spray more water on the glass. Replace other non-wet wipes or spray the glass on the water to dry it.
2	Green or yellow light is not on	Please contact the dealer or after-sales service center.
3	Green light is on, but the battery indicator is not full	Lithium battery normal loss, is a normal phenomenon.
4	The red light is off after about 5 seconds	Insufficient air pressure, please check if the cleaning cloth is installed in place.
5	Part of the glass area leaked	1. Check whether the four-corner borderless detection sensor rebounds well. If there is foreign matter, please take out the foreign object. 2. Please check if the belt is dirty or slippery. If yes, please clean the belt with a wet cloth.
6	Machine walking is not straight / jitter	Recalibrate the machine.
7	The window cleaner can't walk in the middle of the glass, but the wheel can rotate	Remove the machine and clean the belt dust with a damp cloth to increase the friction with the glass surface.
8	After the adapter is powered on, the boot does not start and the fan does not work	Charge the internal lithium battery of the machine to the power supply, it can be fully charged in 3 hours, and the lithium battery has a long-term loss of power and there is a risk of damage.

6. Fault Description

II Product calibration:

The product has been calibrated at the factory, and the user does not need to calibrate it under normal use. If you have a serious bump and do not use it for a long time, you may need to calibrate it yourself. The calibration steps are as follows:

1. After the product is connected to the power supply, turn on the power switch (or not open), and the charging indicator lights up;
2. The hand-held machine is attached to the surface of the window glass to keep the machine head up;
3. long press the N button, the machine emits di di sound;
4. Keep the machine head vertical to the left, short press the Z button, the machine will make di di sound, and the calibration is completed.

7. FCC-Mobile Device

FCC Caution:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications 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.
- Connect 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.

*RF warning for Mobile device:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

8. Warranty Card

Warranty Card

Dear client!

Thanks for using product. In order to offer perfect after sale service, our service team would like to give you promise for standard service hereby. Please keep well your valid document of purchasing as an evidence to get our after sale service.

Product Quality Assurance Description:

1. Warranty time: start from purchasing date, 12 months for main body.

2. Warranty service not include following situation: ①Instruction Manual ②damage caused by accident or wrong operation ③repair by yourself without our permission ④Exceed the warranty period

3. After warranty time, please consult our after sale service center about repair cost.

WARRANTY CARD			
Purchasing date	Year	Month	Date
Purchasing way			
Order No.			