

Intelligent Window Wiping Robot

instruction manual

M1-A



Please keep this product manual properly
Please read this product manual carefully
before using

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1.Safetyregulations

Please maintain a consistent level of vigilance when using the product, and follow the following guidelines!

Please read this manual carefully before using the product!

Please keep the manual safe!

- 1.The product should not be used by children under 8 years of age or individuals with physical or mental disabilities. If necessary, use the product under the supervision and guidance of a guardian. Do not allow children to approach the product while it is in operation or use the product as a toy.
- 2.Do not use the product in extreme environments (temperatures below 0°C or above 40°C).
- 3.When the product is in operation, always keep it powered on. The built-in safety backup battery of the product is only used to maintain adhesion to the glass in case of sudden power failure for a limited time to prevent falling and should not be used as the primary power source to avoid risks.
- 4.During the use of this product, ensure that someone is nearby to supervise. Provide assistance to the product if necessary. When the machine is operating, move valuable items away from underneath the machine and ensure that no animals are standing underneath the working machine.
- 5.Use the product only in a home and indoor environment, and do not use it in commercial or industrial settings.
- 6.Do not use this product on glass with existing cracks, advertisement stickers, or protrusions to avoid the risk of glass breakage or product falling.
- 7.Follow the instructions manual when using this product.
Only use accessories recommended or sold by the manufacturer, and use only the manufacturer's original rechargeable batteries and adapters.
- 8.Ensure that the power voltage matches the voltage indicated on the adapter.
- 9.Ensure that the product is used on glass with a thickness greater than 5mm.
- 10.Avoid using the product on large areas of damp or oily glass to prevent slipping and falling risks.

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- 11.Keep the product away from heat sources or flammable materials.
 - 12.Do not use the product in situations where there is no secure adhesion or obvious damage.
 - 13.Do not place the product in water or any other liquid to reduce the risk of electric shock. Avoid placing the product in areas where it may fall or be pulled into a bathtub or sink.
 - 14.Do not touch the plug or product with wet hands.
 - 15.Battery charging should not be carried out in overheated or extremely cold environments, as this may affect the battery's lifespan.
 - 16.Do not use the product when the adapter is not supplying power.
 - 17.Do not charge the machine on household appliances, in damp areas, or near a source of fire to avoid unnecessary damage.
 - 18.Handle the power cord carefully to prevent damage. Do not drag or pull the product or power cord using the power cord. Do not clamp the power cord between the glass during use or place objects on the power cord. Keep the power cord away from heat sources.
 - 19.Do not use the product with a damaged power cord or power outlet. If the product is not working properly due to falling, damage, or water ingress, do not use the product. To avoid injury, the product should be repaired by the manufacturer or their after-sales servicedepartment.
 - 20.If the power cord is damaged, it must be replaced by a professional from the manufacturer, their repair department, or a similar department to avoid danger.
 - 21.Before maintenance or cleaning the product, unplug the plug from the power outlet, but do not pull the plug out of the outlet by pulling the power cord.
 - 22.The battery must be replaced by a professional from the manufacturer, their repair department, or a similar department.
 - 23.Before discarding the product, the batteries must be removed and disposed of according to local laws, regulations, and environment alregulations.
 - 24.To dispose of the product, first disconnect the product's power, then remove the battery from the product.
 - 25.Dispose of used batteries in accordance with local laws, regulations, and environmental regulations.

26. Even in the case of severe damage to the product, do not incinerate the product, as the product's battery may explode.

27. Follow the instructions in this manual when using the product. The company is not responsible for any losses or injuries caused by improper use.

28. It is strictly prohibited for children, individuals with mental disabilities, or those lacking common sense and experience in using household appliances to use this product without proper guidance.

29. Supervise children's behavior while the machine is in operation to ensure they do not play with the product.

30. Children are strictly prohibited from playing with the product.

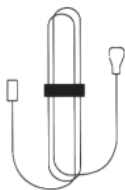
31. Children are strictly prohibited from cleaning and maintaining the product unsupervised.

2. Product composition

2.1 Products and accessories



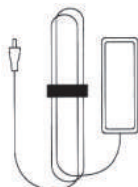
main unit



safety rope



AC cord



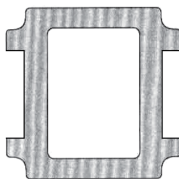
adapter



remote control



manual



cleaning cloth



bottle

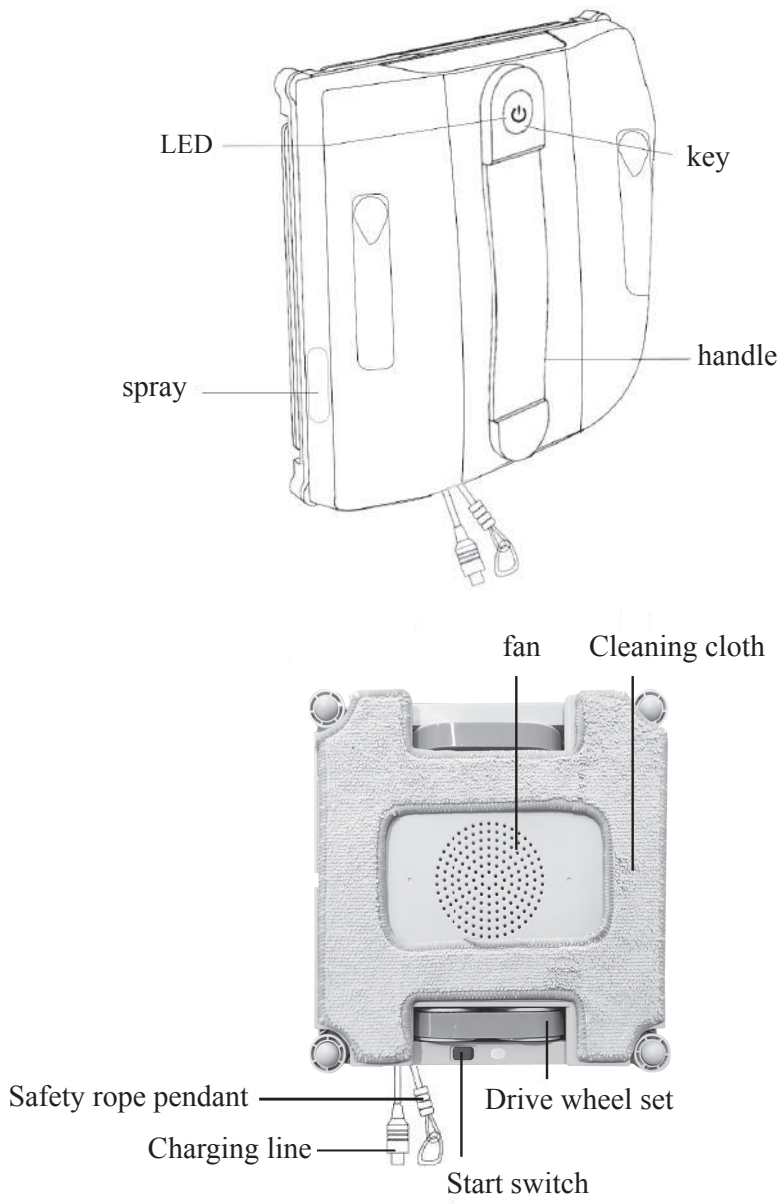


bottle cap

2.2 Technical data

operating voltage	24V 	rated power	72W
		remote control	
rated input voltage		3V 	
		adapter	
input : 100-240V~ 50/60Hz		output : 24V=3.0A	

2.3 Part name



2.4 Remote control



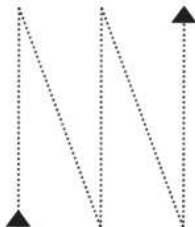
	Automatic water spraying: Press this button during operation to spray water at intervals.
	Manual water spraying: Each short press sprays water once.
	Direction keys: Manually move up, down, left, and right.
	Z mode cleaning.
	N mode cleaning.
	N+Z key, first clean in N mode and the in Z mode.
	During operation, press this button twice to wipe the windows.

2.5 Product work/pause

After successful adsorption of the machine, press the machine button or initiate automatic working mode via the "OK" button on the remote control. The machine will default to N+Z mode path for cleaning.

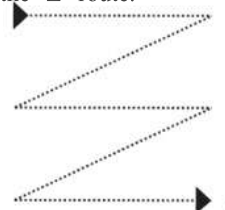
You can pause and resume the work of the product by clicking "OK" button on the remote control.

The "N" button is suitable for vertical glass, and the product works in the "N" route.



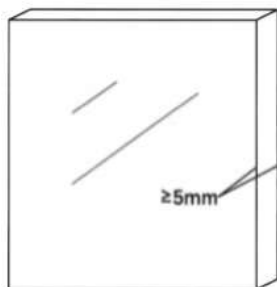
While in pause mode, you can control the direction of the product's movement and switch the working path by using the "OK" button on the remote control.

The "Z" button is suitable for horizontal glass, and the product works in the "Z" route.

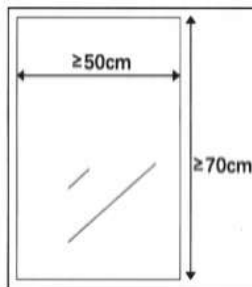


3. Product use

3.1 Precautions before use



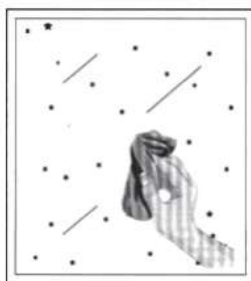
It is strictly prohibited to use this product on framed glass with a frame thickness (height difference from glass surface to frame surface) of less than 5mm.



Note:
Please use this product on framed glass with an area greater than or equal to 50*70cm.



When the red and blue lights alternate flashing after connecting the adapter, the machine is in charging status. Ensure that it is charged until the blue light stays on constantly (approximately 1 hour). Do not perform cleaning work on the product when the red light is flashing.



The glass surface has too much dust. Before using the product, please wipe a clean area the size of the product first so that the product can adhere.

*When there are immovable obstacles(such as guardrails.furniture.etc.)in front of the window.this product can only be used when the distance between the window and the obstacle is greater than 8.5cm.

*When the product is working on a horizontal glass surface, use the remote control to operate the product.

*If the product is used on a window that is not completely vertical, there is a possibility that the product may not operate properly. Make sure there is someone nearby to supervise, and provide assistance if necessary.

*This product should not be used in an inverted position.

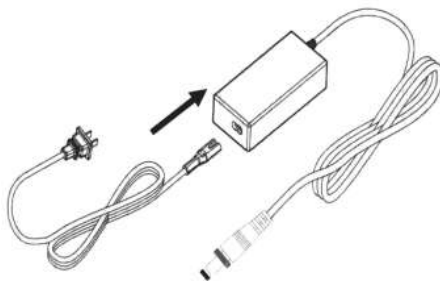
*Please use the cleaning solution specially provided by our company. Using non-specialized cleaning solutions may result in poor cleaning effects or damage to the product.

3.2 Install cleaning cloth

Align and attach the cleaning cloth neatly on the inside of the product's bottom suction plate.

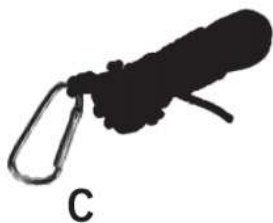


3.3 Connection adapter



3.4 Assemble the safety rope component

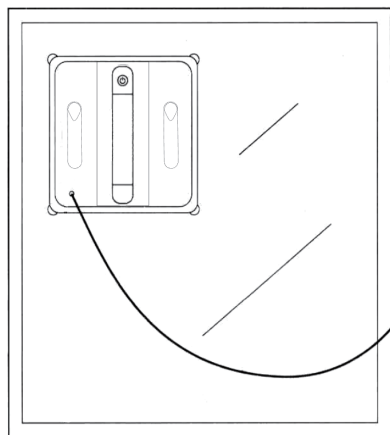
When using this product to wipe glass, please use the safety rope component to secure the product and improve its safety performance.



Safety rope end

3.5 Use extension cords as needed

Extension cords can be used to increase the length according to the actual distance or the size of the glass, each extension cord is 2 m. Note that when the product is used outdoors at high altitude, a maximum of one extension cord can be used



Installation of Safety Buckle

When you use the product to wipe the glass you need to fix the safety cord to other positions in the room

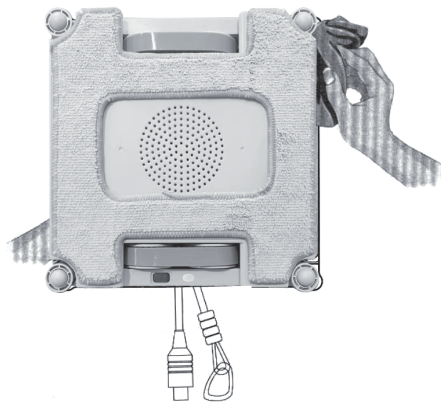
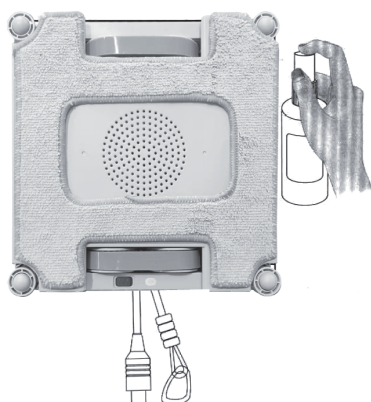
When using the product to wipe the outside of the glass, please close the window, the window gap is slightly larger than the diameter of the safety cord can be (do not larger than the diameter of the safety buckle).

3.6 Spray with cleaning solution

*Spray the cleaning solution evenly on the front wiping cloth, and the amount can be adjusted according to the degree of dirt on the glass. It is recommended to spray evenly 8 times on each wide edge of the front wiping cloth.

*After spraying, use a dry cloth to wipe off the excess cleaning solution on the base to prevent slipping during product operation.

*Please note to use the cleaning solution specially provided by our company, as using non-specialized cleaning solutions may result in poor cleaning effects or damage to the product.

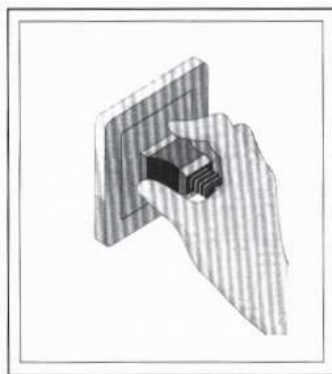


3.7 Product work

1. Connect the power adapter

The adapter plug is plugged into a 220V AC power source, and the other end connected to the machine's DC port, the blue light on the machine stays on.

*When the product is running, do not disconnect the power; if the power is cut off during operation, there is a risk of the product falling.



2. Short press the handle button.

Short press "⏻" button. The blue light is blinking, and the fan starts running. *Do not place the fan near small objects like hair to avoid blocking the fan and affecting the product operation.



3. Adsorption

Place the product at a distance of more than 10cm from the glass frame and its handle, and wait for the blue light to stay on steadily to indicate successful attachment.

* When there is an immovable obstacle in front of the window (such as a railing, furniture, etc.), the product can only be used when the gap between the window and the obstacle is greater than 8.5cm.

3.8 End work

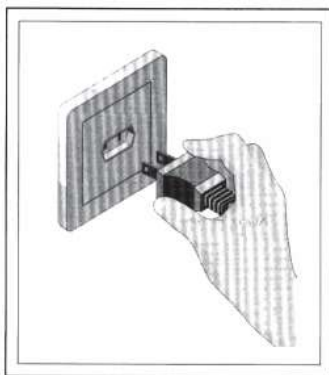
After the glass cleaning work is completed, the product will return to the vicinity of the starting position and emit a beep sound as a notification.

1.Remove the product

Hold the handle of the product, press and hold the "⏻" button for 3-5 seconds to stop the fan operation, then remove the main unit. You can use a dry cloth to gently wipe off any marks left by the product on the glass.



2.Disconnect the power



Note: If the product displays a red light alarm during operation, please first check if the power adapter is properly connected and supplying power. Once the connection is confirmed, the product's blue light should stay on steadily, and it will automatically resume operation. If the power adapter is properly connected but the product still shows a red light alarm, use the directional keys on the remote control to move the product away from that position. Once the blue light stays on steadily, press the start/pause button on the remote control to resume the product's operation.

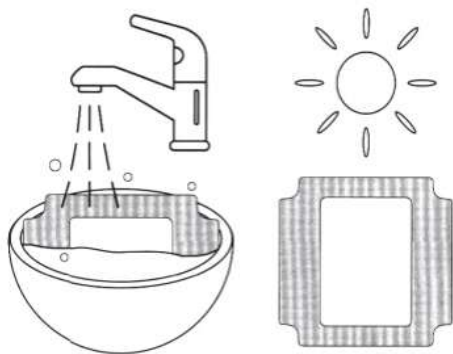
4. Maintenance and servicing

4.1 Cleaning cloth

Remove the cleaning cloth, soak it in water at around 20°C for 2 minutes, then gently hand wash it, lay it flat to dry before using it again.

*Do not directly use the cleaned cleaning cloth to avoid slipping during product use.

Good maintenance helps extend the life of the cloth. When the cloth ages and cannot adhere tightly to the Velcro, please replace it in time to achieve the best cleaning effect.



4.2 Cleaning the belt of the wheels

1. Connect the adapter, the blue light of the machine is always on.

Press the "⏮" button on the remote control to rotate the wheels. Use a cloth and cleaning solution to wipe the belt of the wheels.

Press the "⏭" button on the remote control to stop the wheels from rotating.



* The wheels of the machine are prone to accumulating dust and water during use, which can cause slipping. Please clean the belt of the wheels promptly. Remove the product.

5. Lighting effects and beeps

Red and blue lights alternating flashing	The red light stays on indicating low battery power, the product is currently charging.
Blue light stays on constantly	1.The machine is powered on normally.
	2.The machine successfully adheres and enters standby mode.
Blue light flashing	Normal, you can continue operation by placing the product on the window.
Red light flashing	The power adapter is disconnected.
Red light stays on constantly	The red light stays on during machine operation, indicating wheel overload.
	The machine enters a shutdown state.

6. Trouble shooting

1	The red light stays on	Wheel overload	Press N on the remote control first, then press Z to restore the blue light. Pressing the handle button briefly can also restore the blue light.
2	The red light flashing indicates an alarm	Power adapter disconnected	a.Turn on the power first, then press the start button to continue the product operation. b.In the event of a power outage, use the remote control directional keys to guide the product to an easily accessible location and remove the product. *Using the remote control during a power outage carries some risks, please ensure someone is nearby to supervise.
3	The product's drive wheel is spinning freely, and the walking path is abnormal	Glass surface too dirty	a.Clean the drive wheel. b. Replace the cleaning cloth. *This product is not suitable for cleaning heavily soiled glass.
4	The remote control is not functioning	Only the start/pause button works during normal operation of the product	Pause the product operation first, then use other remote control buttons.

Product warranty card

Dear user:

Thank you for purchasing and using our product! In order to protect your rights, our product implements after-sales service based on the national regulations of the "Regulations on the Repair, Replacement, and Return of Goods" (commonly known as the Three Guarantees). To ensure our service meets your satisfaction, please carefully read and keep this Three Guarantees card after purchase.

Product Quality Assurance Instructions

One.Please note: This Three Guarantees card is a warranty certificate and must be stamped by the seller to be valid. Please keep it safe.

Two.Service Validity Period: Effective from the date of purchase, as recorded on this certificate (sales date).

Three.Service Coverage:

i.Within seven days of purchase, if the packaging is undamaged and the product can be resold without affecting its condition, consumers unsatisfied with the product can return or exchange it.

ii.Within fifteen days of purchase, consumers unsatisfied with the product can exchange it for a product of equal value.

iii.During the warranty period, under normal use and maintenance, free repair services are provided for the purchased product. If a malfunction is caused by original components of the machine, confirmed by technical personnel, free repair and replacement of parts will be conducted.

iv.When requesting repair or exchange, it is essential to bring the Three Guarantees card and the sales receipt. The seller is responsible for replacement (complete attachments are required for returns or exchanges)

Four.The following circumstances are not covered by the Three Guarantees service:

1.Beyond the validity period of the Three Guarantees card.

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- 2.Damages caused by not following the product's instructions for use, maintenance, and storage.
 - 3.Damages caused by complaints from repairers not responsible for the Three Guarantees.
 - 4.Lack of a valid Three Guarantees certificate and valid invoice (except those that can prove the validity period of the Three Guarantees for the product).
 - 5.Alteration of the Three Guarantees certificate.
 - 6.Products where consumers have removed the bottom stickers themselves.
 - 7.Products where consumers have lost the anti-counterfeiting label or the label is damaged and difficult to distinguish.
 - 8.Products where the product model or serial number on the Three Guarantees certificate does not match the actual product.
 - 9.Product defects or damages caused by irresistible forces (such as earthquakes, fires, floods).
 - 10.Damages caused by the use of pirated software, or product damage caused by virus infection during use.
 - 11.Product defects caused by human factors (e.g., operational errors, damage during transportation, collisions, inappropriate voltage input).
 - 12.Other defects or damages not related to product design, technology, manufacturing, or quality issues.

User's name				Phone/mobile		
User's address and postal code				Stamp of the purchasing store		
Model type						
Model serial number				Invoice number		
Attachment serial number						
Country of origin				Date of purchase		
Mail order product name						
Store address and postal code						
Store phone number						
Date of sending for repair	Completion date	User description	Description of the fault	Repair record	Repair number	Stamp of repair authorization

Note:

1. Inspection and software updates are not considered as repairs.
2. Only faults within the scope of the warranty performance failure table are recorded for repair.
3. Please ask the customer to keep this repair card safe for warranty purposes.

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.

FCC Radiation Exposure statement

The device has been evaluatec to meel general RF exposure requirement. The device can be used in portable exposure condition without restriction.