

BOBOT®

BOBOT WIN SPIDER
Robot Window Cleaner

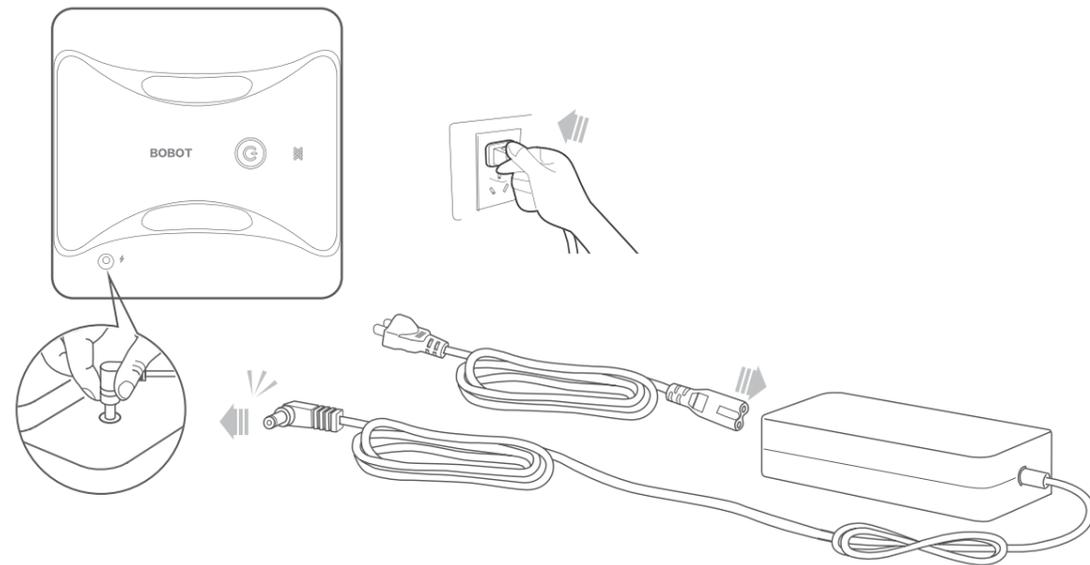
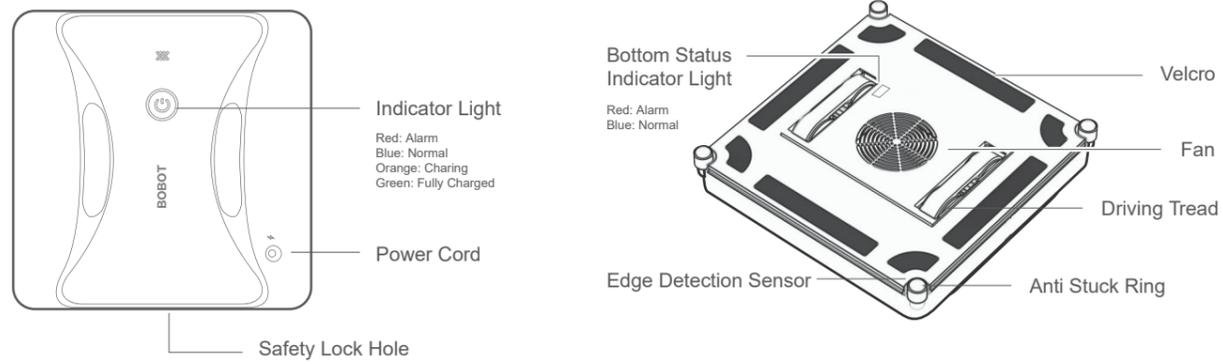


USER MANUAL

Please read this instructions carefully before using the product and keep it in a safe place.

Thank you for choosing to buy
BOBOT WIN SPIDER

Assembling your Machine



Quick Start

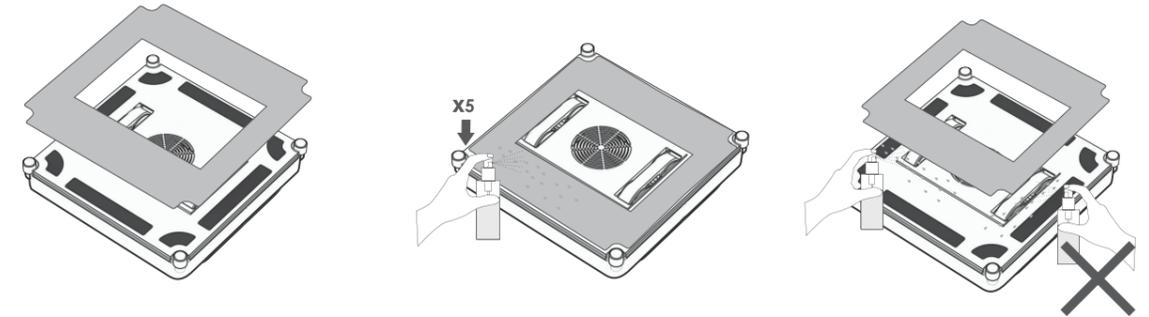
1 Attach Cleaning Pad

Attach the cleaning pad to BOBOT WIN SPIDER bottom properly, the pad should not cover driving treads or edge sensors.

Warning: Attach the cleaning pad to robot properly, the pad should not cover edge sensors, otherwise it would lead dropping.

Spray water 5-8 times to the yellow side of cloth.

Don't spray water on the body or bottom of robot, only could spray on the cloth.



2 Fix the Safety Rope

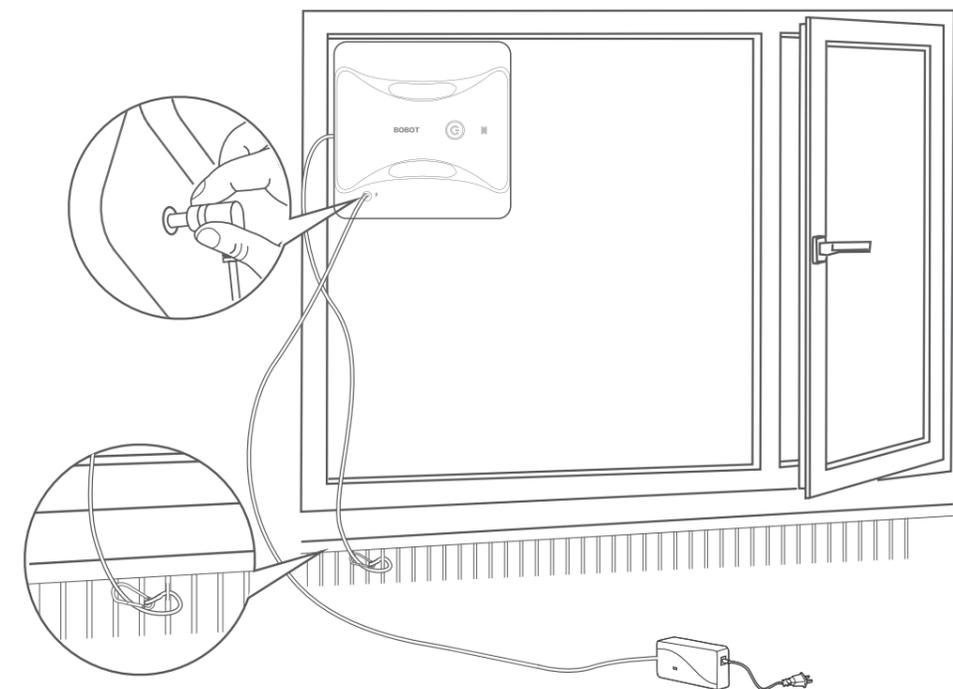
Plug in the safety lock into hole, turn it in clockwise till indicator light changed to Green.



NOTE: Please start to use the robot ONLY when the safety lock indicator light is in Green.

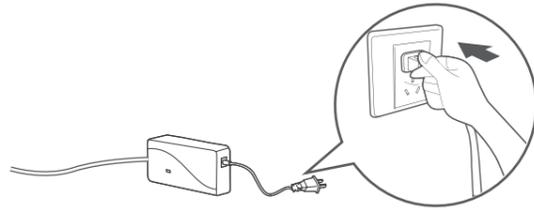
Tie the end of safety rope to indoor fixture securely, ensure it is stable and won't drop.

Warning: Unfixed safety rope while using could lead to dropping.



3 Connect to Power Supply

Plug in BOBOT WIN SPIDER

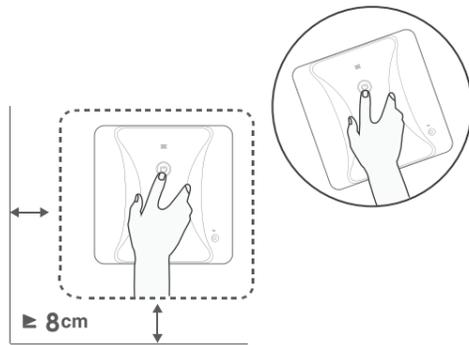


4 Press the Power Button

A. Press power button for 2 seconds to turn on your BOBOT WIN SPIDER

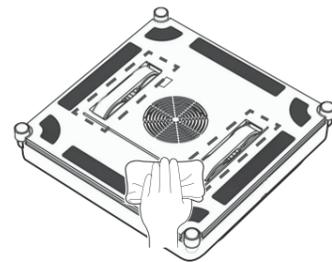
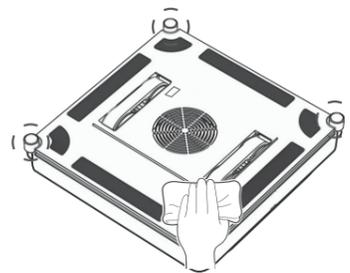
B. Place your BOBOT WIN SPIDER on glass, press again the power button to start.

C. You can also start it from your remote control "START" button.



Caution: Before starting, make sure the edge of BOBOT WIN SPIDER is 8cm or more away from window frames or corners.

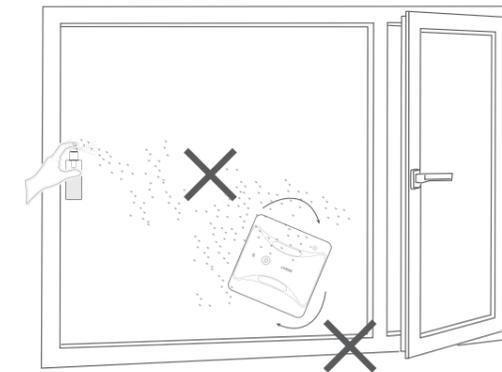
5 Walking belt auto clean method



The window cleaner must be connected to the power supply and safety rope.

Warning: Unfixed safety rope while using could lead to dropping.

Do not spray water on the glass, the wet glass will make the driving tread slip!



Every time before and after using, the walking belt should be cleaned to prevent dirt and dust from sticking on, to enhance the performance of machine. Steps to clean walking belt as follows:

- (1) Turns on the machine (press power button).
- (2) Put the machine in the reverse direction (belt up) on the workbench.
- (3) Press a sensor (any of 4 corners) for about 8 seconds, the machine automatically enters belt cleaning mode, the drive wheels on both sides rotate and the vacuum motor stops.
- (4) Use a clean cloth, slightly wipe on the belt surface.
- (5) After cleaning the belt, press switch button to shut off.

IMPORTANT SAFETY INSTRUCTIONS

BEFORE USING THIS APPLIANCE READ ALL INSTRUCTIONS AND CAUTIONARY MARKINGS IN THE USER MANUAL AND ON THE APPLIANCE.

The appliance is not to be used by children. Persons with reduced physical, sensory or mental abilities, or lack of experience and knowledge may only use this appliance if they are supervised or have been given instruction about how to use it safely and understand what risks are involved. Children should be supervised to ensure they do not play with the robot.



The appliance is for window cleaning with Frames (Frameless glass/window cleaning is not applicable). Users should judge and use it safely on proper operation sites, and be responsible for all possible consequences.

Safety Information

Application of Power Adapter and Batteries

1. Use only the power adapter supplied with this device. Use of other type of power adapter will result in malfunction and/or danger.
2. Please use the proper electric outlet and make sure no heavy objects are placed on the poweradapter or power cord.
3. Allow adequate ventilation around the adapter when using it to operate the device. Do not cover the power adapter with objects that will reduce cooling.
4. Do not use the adapter in a high moisture environment. Never handle the adapter with wet hands.
5. Connect the adapter to a proper power source. The voltage requirements are found on the adapter.
6. Do not use broken adapter, power cord or plug. The plug must be removed from the receptacle before cleaning or maintaining the Appliance. Do not unplug the Power Adapter by pulling on the power cord.
7. Do not attempt to service the adapter. There are no service parts inside. Replace the whole unit if it is damaged or exposed to high moisture. Consult your Mamibbot dealer for help and maintenance.
8. The battery used in this device may present a risk of fire or chemical burn if mistreated. Do not disassemble, short contact, heat above 60C (140 F), or incinerate.
9. If you have to dispose of this old equipment, please take it to the local recycling center for recycling electrical and electronic parts.
10. Retain the safety and operating instructions for future reference.
11. Follow all operating and use instructions.
12. Do not expose your device to rain or excess humidity,

and keep it away from liquids (such as beverages, faucets, and so on).

13. Avoid exposing your device to direct sunlight or intense light source, and keep it away from heat source (such as radiators, space heaters, stoves, and so on).
14. Do not place the device in the vicinity of strong magnetic fields.
15. Keep the device and accessories away from children.
16. Product operating temperature: 0c ~40C (32F~104F).
17. Don't use it cracked glass or clean other surface with uneven area as it may fall off due to insufficient suction power.
18. The Back-Up Battery must be replaced by the manufacturer or its service agent in order to avoid a hazard. The Back-Up Battery must be removed and discarded according to local laws and regulations before disposal of the Appliance. Please dispose of used batteries according to local laws and regulations.
19. The Appliance must be disconnected from the receptacle before removing the battery for disposal of the Appliance.
20. The Appliance must be used in accordance with the directions in this Instruction Manual. Product manufacturer cannot be held liable or responsible for any damages or injuries caused by improper use.

Risk of Electric Shock!

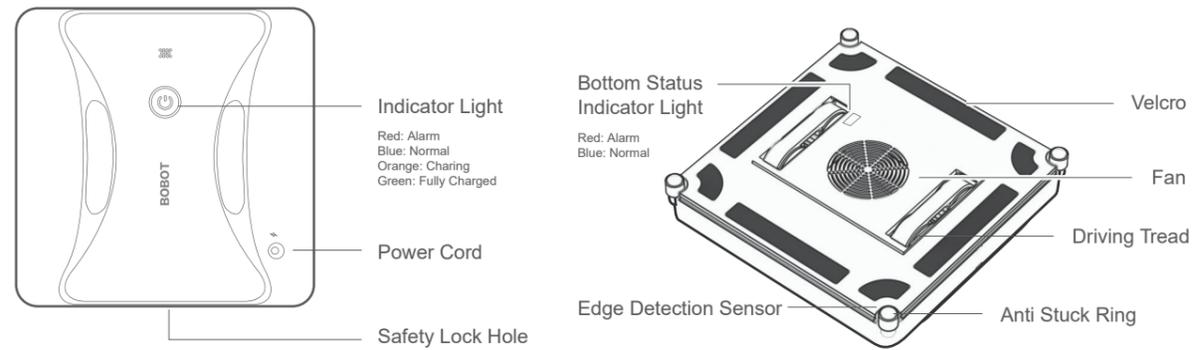
1. Always switch the device off before carrying out any cleaning or maintenance work.
2. Never pull the power plug out of the socket by the power cord; instead, pull it out by the power plug itself.
3. Never perform repairs on your device yourself. Repairs to electric devices may only be carried out by authorized customer service center.
4. Do not insert any pointed objects into the electric contacts.
5. Do not change the contacts.
6. Do not continue to operate the robot if the device itself or the power cord is damaged
7. Contact your local customer service in the event of damage.
8. Do not clean the robot, the power cable in water or other liquids.
9. Do not use the robot on damp ground or in places in which it can get into contact with liquids or be immersed in water.
10. Do not use the robot in hazardous areas such open fireplaces, running showers or swimming pools.
11. Make sure that you do not damage, bend or twist the power cord. Do not place any heavy objects on top of the cord. This could damage the power cord and cause a fire or electrical shock.

Warning

1. Fasten the safety rope and tie to indoor fixture before operating the device.
2. Check if the safety rope is broken or the knot is loose before operating the device.
3. Set danger-warning area downstairs for no- balcony window and door.
4. Battery shall be full-charged (Orange lamp ON) before using.
5. Do not use it in rainy or moist day.
6. Turn power on before put device onto glass.
7. Make sure the device can stick and stand on glass surface while put onto glass.
8. Before turn power off, please hold the device.
9. Do not use it on frameless glass.
10. Make sure put cleaning pad on the bottom of device correctly for no leakage.
11. Do not spray or pour water onto device.
12. Prohibit children from using this device.
13. Remove everthing on the glass. Do not use on cracked glass. Reflective or coating glass might be slightly scratched due to dirt on the glass while operating.
14. Keep hair, loose clothing, fingers, and all parts of body away from the openings and movingparts.
15. Do not use in areas with existed flammable or combustible liquids, gas.

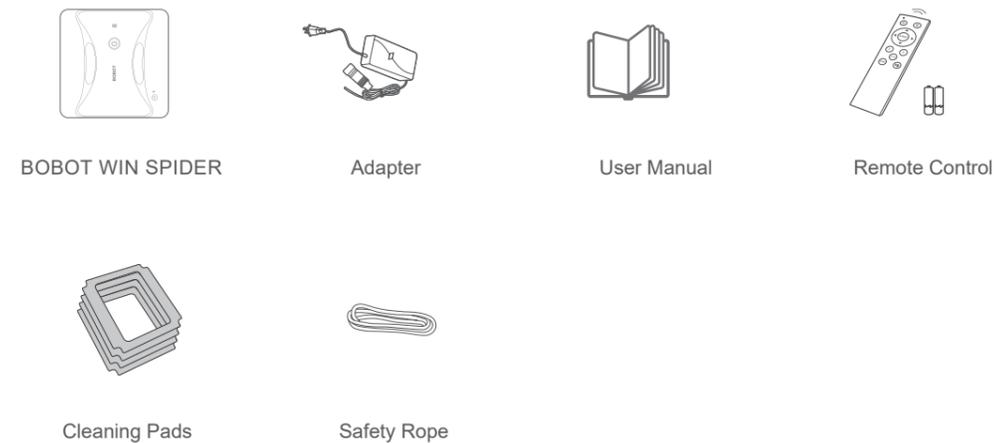
READ AND SAVE THESE INSTRUCTIONS

Product Description & Parameters



About the Robot			
Model No.	BOBOT WIN SPIDER	Rated Voltage	DC 24V
Rated Power	75W	Noise Level	About 60dB
Battery Capacity	650mAh	Net Weight	1.25kg
Dimension	25*25*7.2cm		
Cleaning Speed	About 2min/m ²		
Adapter			
Input	AC100-240V 50/60Hz 2.0A	Output	DC 24V/3.75A

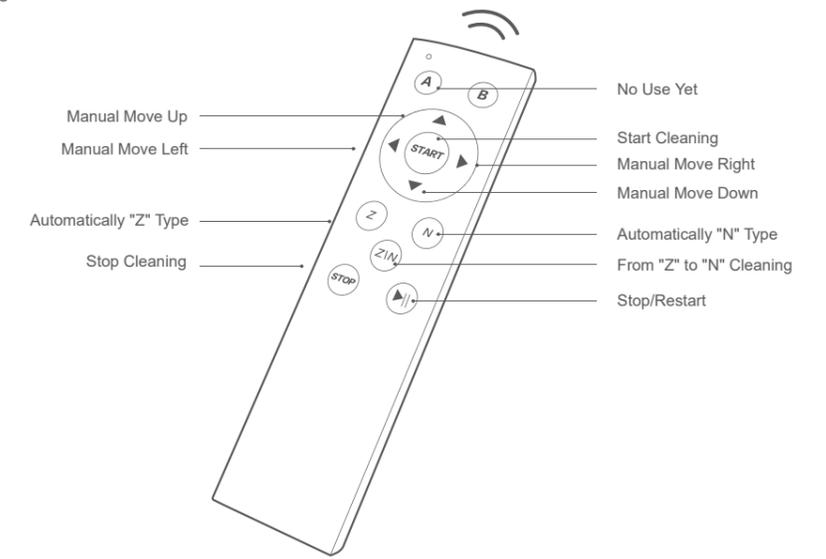
What's in the Package?



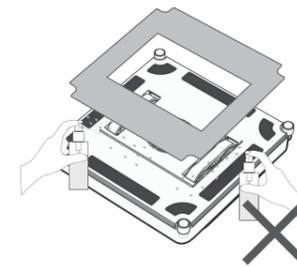
Remote Control

BOBOT WIN SPIDER will return to its starting point automatically after cleaning is finished. There is beep warning when cleaning is complete.

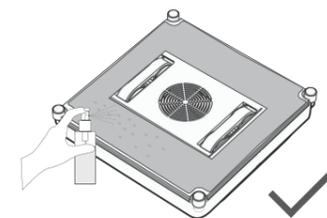
- Use remote control to move your BOBOT WIN SPIDER to a reachable location.
- Press button for 2 seconds to switch it off.
- Grasp the handle and take it off from the window.
- Untie the safety rope after finishing cleaning. Put the device and its spare parts in dry condition for future use.



Attach Cleaning Pad



Do not spray water on the fuselage or the bottom of the machine. Spray water only on the cleaning cloth.



Do not spray water on the fuselage or the bottom of the machine. Spray water only on the cleaning cloth. Do not use a wet cloth to clean the Windows. It may cause the machine to get stuck on the glass surface.

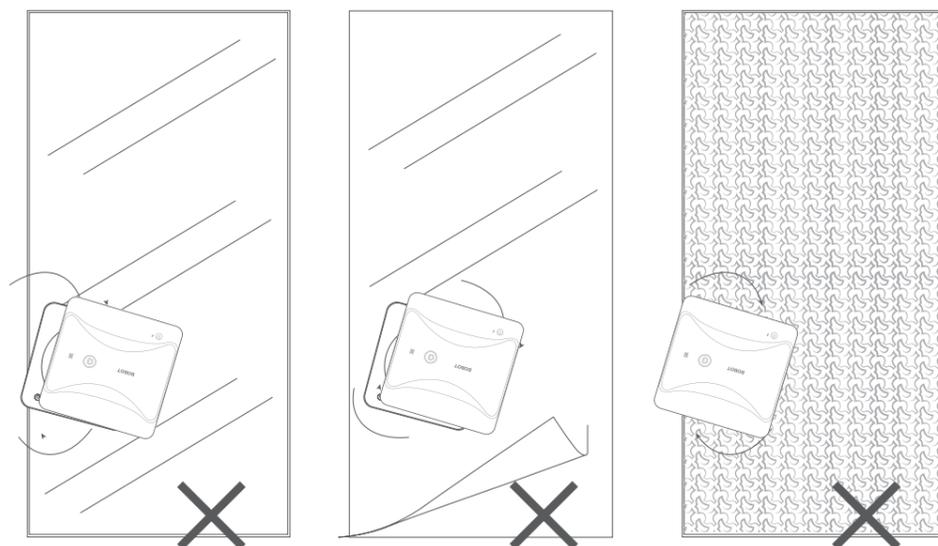
Important safety matters and warnings

- Make sure the power is completely disconnected and the machine is turned off before cleaning or maintaining the machine.
- Do not drag the power plug through the extension cord, the power should be properly unplugged.
- Do not repair the product by yourself. Product maintenance must be carried out by an authorized after-sales service center or distributor.
- Do not wash the body and the power adapter with water.
- Do not use this product in wet, water or other liquid situations, so as not to cause machine failure or electric shock.
- Do not use this product in the following dangerous areas, such as open flame, bathroom with sprinkler running, swimming pool, etc.
- If the supply cord is damaged, it must be replaced with a special cord or a special component purchased from the manufacturer or repair department.

Warning

- Before operation, make sure the safety rope is secured and securely attached to a secure indoor installation.
- Before starting the machine, check whether the safety rope is damaged and knotted firmly. Make sure there is no damage and tie the knot before using.
- When cleaning Windows or doors without balconies, place a security warning area downstairs.
- Recharge the built-in standby battery (orange light) before use.
- Do not use it in rainy or wet weather.
- Turn the machine on first and place it on the window glass.
- Make sure the machine is safely attached to the window before letting go.
- Please hold the machine before turning it off to prevent it from falling.
- Please use this product carefully to clean frameless Windows or glass.
- Please make sure that the cleaning cloth is properly attached to the bottom of the machine to prevent air leakage.
- Do not use this machine to clean broken glass. Some ground glass may scratch the surface during cleaning. Please use with caution.
- Keep hair, loose clothing, fingers and other body parts at a distance from the moving parts of the machine during use.
- Do not use in areas with flammable and explosive solids and gases.

! Note: frameless glass and laminated glass should be used with caution



Use frameless glass with care
The sensor can't tell the edge

Use glass with film carefully
Some films may fail to absorb

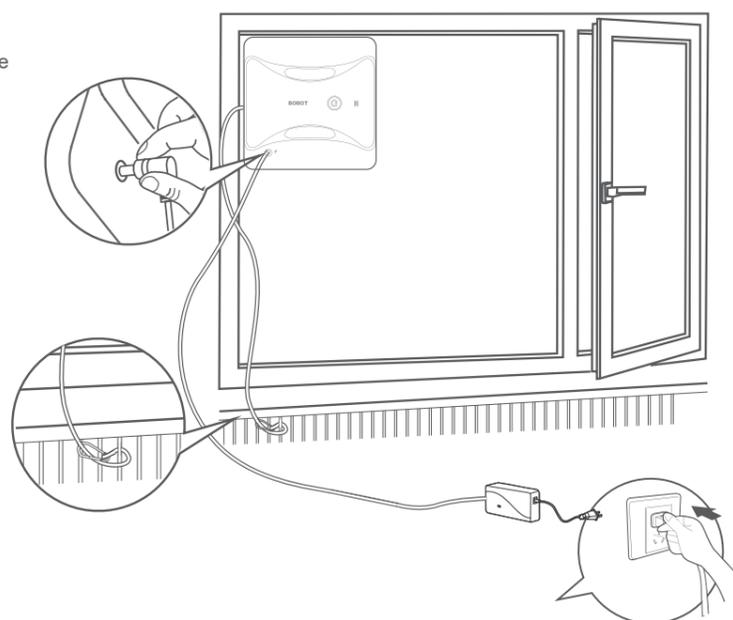
Frosted glass is not suitable

Use the product

The number of window cleaning depends on the glass's own turbidity may need to be wiped several times to clean!

! Plug in the safety lock into hole, turn it in clockwise till indicator light changed to Green.

NOTE: Please start to use the robot ONLY when the safety lock indicator light is in Green.

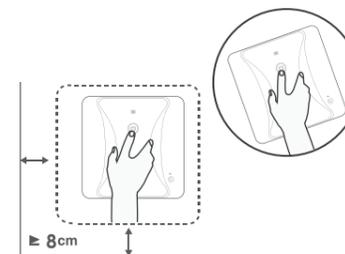


Secure the other end of the safety rope to other objects in the room to ensure the fastening does not fall off.

Do not fix the safety rope to use window cleaning machine outside window cleaning may have the risk of falling! Special attention!

Product Maintenance

1.



Use the Product

- A. Press power button for 2 seconds to turn on your BOBOT WIN SPIDER.
- B. Place your BOBOT WIN SPIDER on glass, press again the power button to start.
- C. You can also start it from your remote control "START" button.

! Caution: Before starting, make sure the edge of BOBOT WIN SPIDER is 8cm or more away from window frames or corners

Stop/Pause

- A. During the cleaning process, press the power button or the STOP button on the remote control to STOP the cleaning.
- B. During the cleaning process, press the Pause key to Pause.
- C. You can also press the "START" button on the remote control to START again.

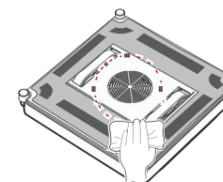
2.



1 Wash Cleaning Pad

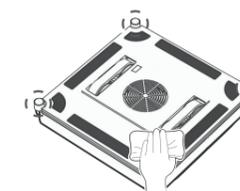
Put your BOBOT WIN SPIDER up-side-down, take off the cleaning pad and put it into cold water, wash the cleaning pad with detergent and dry it for reuse.

Note: wet cleaning pad is not suggested to be used as it may get your robot stuck when cleaning glass with heavy dirty.



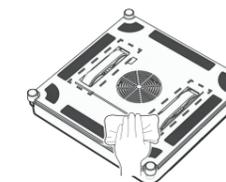
2 Clean Fan

Put your BOBOT WIN SPIDER up-side-down, use a clean and dry cloth to wipe out dirt/debris on the fan.



3 Clean Edge Sensors

Put your BOBOT WIN SPIDER up-side-down, use a clean and dry cloth to wipe out dirt/debris on the sensors.



4 Cleaning Driving Treads

Put your BOBOT WIN SPIDER up-side-down, use a clean and dry cloth to wipe out dirt/debris on it.

Beware of the risk of electric shock!

Make sure the power is completely disconnected and the machine is turned off before cleaning or maintaining the machine. Do not drag the power plug through the extension cord, the power should be properly unplugged. Do not repair the product by yourself. Product maintenance must be carried out by an authorized after-sales service center or distributor.

Do not continue to use the machine if the power supply is damaged.

If the machine is damaged, please contact the local after-sales service center or dealer for repair.

Do not wash the body and the power adapter with water.

Do not use this product in wet, water or other liquid situations, so as not to cause machine failure or electric shock.

Do not use this product in the following dangerous areas, such as open flame, bathroom with sprinkler running, swimming pool, etc. Never damage or twist the power cord. Do not place heavy weights on the power cord or adapters to avoid damage to the power cord, fire, or electric shock.

If the supply cord is damaged, it must be replaced with a special cord or a special component purchased from the manufacturer or repair department.

Troubleshooting

Malfunction	Possible Causes	Solutions
The device gets slippery or works in irregular pattern.	A. Glass is too dirty or too wet. B. Cleaning pad is too dirty or too wet.	A. Change cleaning pad B. Cleaning the driving treads C. Use remote control to manually restart it.
The device stops with flashing Red indicator light.	Insufficient suction power.	A. Check if the cleaning pad is attached properly, replace it correctly. B. Check if any crack on the glass. C. Check if the glass frames are with uneven area/rubber part. If there is uneven area or uneven rubber part on the glass, use remote control to operate the device manually and keep the W 120 away from the uneven area/uneven rubber part when cleaning.
The devices can't be started after switched on, or works in irregular pattern.	Edge detection sensor abnormal.	A. Remove the Cleaning Pad and reattach it making sure it is placed exactly within its Velcro area and does not cover the Edge Detection Sensors. B. Open APP on your phone, connect it with the robot and find out if any RED indications on the corners of APP interface (Red indications on the APP interface means the edge sensor is malfunctioned). C. Edge detection sensors failure, contact after-sales service.
Red indicator light flashes, buzzer beeps once/second	Improper connection of Power Supply.	Check if the plug is connected well, or the screws of the extension cables are placed tight.
Both Red and Blue indicator lights flash.	Hardware failure.	Contact after-sales service.
Remote control does not work.	A. No battery inside or battery has low power; B. Remote control is broken.	A. Change the battery. B. Replace the remote control with new one.
The device got stuck on glass frames.	Edge-detection misjudgement.	A. Press STOP on remote, move the device to reachable location first B. Pull the robot lightly to reachable location if can't remote control it.
Both Red and Blue Light on, no beeps.	The device is not sucking properly on window.	Put the device on window surface manually, make sure it sucks on the window properly.
Buzzer beeps twice when it's in use.	Edge sensor detects frameless glass.	It's normal if it is cleaning frameless glass.
Squeaky sound when it's in use.	Glass is too dry or edge detection sensors are too dirty.	A. Spray a little water on the cleaning cloth. B. Clean the edge detection sensors and operate again.
The device doesn't return to Starting Point after cleaning.	The glass surface 's friction index is different.	Use remote control to direct the device return to reachable location.

BOBOT Customer Care

If you have a question about your machine, contact us via website or call the Helpline.

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