

Window Cleaning Robot User Manual

Model

RS6 PLUS

RS7 PLUS

RS8

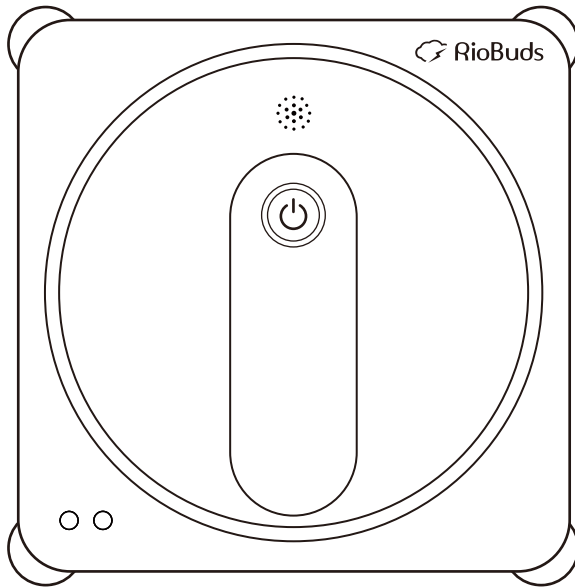


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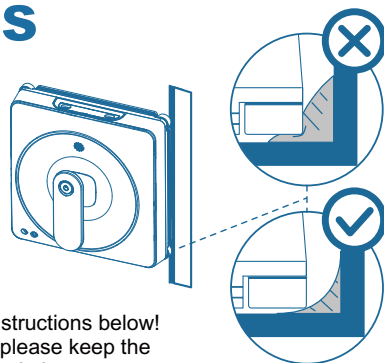
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Safety Regulations

Usage Restrictions

All window-cleaning robots on the market are designed to clean along the window frame seal. To ensure thorough cleaning, the robot requires strong suction to adhere closely to the glass and create friction. This may, in some cases, leave marks on the frame seal due to the friction. If you are concerned about potential scratches on the seal, please consider this carefully before using the window-cleaning robot. Any wear on the frame seal after use cannot be a basis for returns or compensation.



Please remain highly alert when using the product and follow the instructions below! Please read this instruction carefully before using the product, and please keep the instruction manual! Or download and save it from RioBuds official website.

01. This product must not be operated without using the safety rope component or without following the requirements outlined in the manual. Our company is not responsible for any losses or injuries caused by improper use.
02. The product cannot be used by children, or individuals with physical or mental disabilities. If necessary, ensure it is used under the supervision and guidance of a guardian. Do not let children approach the product while it is operating or use it as a toy.
03. Before operating, always check that the safety rope is fastened securely, and ensure the rope is fixed to an immovable object indoors before use.
04. Do not use this product in extreme environments or bad weather (temperatures below 0°C or above 40°C), or in bad weather conditions such as rain, snow, strong winds, or typhoons.
05. When the product is operating, always keep it connected to a power source. The built-in backup battery is only for maintaining the product's adhesion to the glass in case of a power outage for a limited time and should not be used as the primary power source to avoid risks.
06. Ensure that someone is present to supervise while the product is in use. If necessary, provide assistance to the product. When the machine is working, move any valuable items from below it and ensure that no animals stand under the machine.
07. Do not use this product in commercial or industrial locations. Note: If failure to comply results in personal injury or property loss, our company is not responsible.
08. The distance from the highest vertical window edge to the ground should not exceed 6 meters; otherwise, the power supply may not reach the ground, causing the machine to fall.
09. The safety rope should not be used if it is knotted, as this may reduce the rope's tension and fail to provide protection.
10. Ensure that the product is used on glass that is thicker than 0.5 cm.
11. The effective cleaning range is for glass areas with a minimum size of 50 × 70 cm and a maximum size of 500 × 500 cm with framed glass.
12. Do not use the product on large, wet, or oily glass surfaces to avoid the risk of slipping and falling.
13. Keep the product away from heat sources or flammable materials.
14. Do not use the product if it is not fully adhered or if it is obviously damaged.
15. The product can only be used on flat glass.
16. Do not use the product in wind conditions above level 10.
17. Do not place the machine on household appliances, in humid areas, or near fire sources for charging. Do not pull the power cord under any circumstances when moving the machine or removing the power plug.
18. Exposed safety ropes and power cords pose a tripping hazard. Properly arrange all safety ropes and power cords to prevent people or pets from tripping, which could lead to a power outage and cause the window-cleaning device to fall.
19. Do not use the product with damaged power cords or power outlets. If the product fails to operate properly due to a fall, damage, or water infiltration, do not use the product.
20. Do not immerse the product in water or other liquids to reduce the risk of electric shock. Do not store the product in places where it might fall into or be pulled into a bathtub or sink.
21. Do not use the product on glass with cracks or uneven surfaces, such as glass with static window clings, stickers, or advertising paper, or glass surfaces with raised patterns to avoid the risk of glass breaking or the product falling. Do not clean surfaces with gaps, such as a single piece of glass with gaps or holes in the middle, or two adjacent frameless glass panes with gaps in between, to avoid the risk of insufficient suction and falling.

Important Safety Warnings

*Always ensure that the safety buckle is properly secured!
Failure to correctly use the safety buckle and set the length of the safety rope may result in serious injury or life-threatening situations for others.
Please check carefully before each use.

Installation of the safety buckle and adjustment of the safety rope length.

1. Before using this product to wipe the glass, make sure again that the safety lock is tied to the bracket that will not move. Such as table legs, bed legs, sofa legs, stairs, etc., and lock the safety locks to avoid danger. Refer to Figure 1.
2. The length of the safety rope to be secured should be calculated based on the actual distance from the window being cleaned to the ground below, taking into account the length of the safety rope to prevent it from falling and hitting items belonging to neighbors downstairs or pedestrians on the street. Refer to Figure 2.

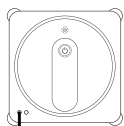


Figure1

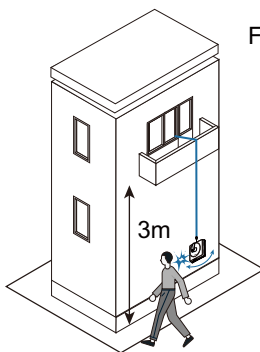


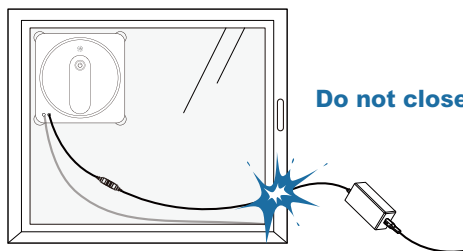
Figure2

Notice

The length of the safety rope should be adjusted according to different environmental needs to prevent it from being too long, which could result in falls and collisions.

3. Power Cord Precautions

When using this product to clean external window glass, the power cord will pass through the gaps in doors and windows to connect to the outside. When closing the door or window, please gently slide it and leave a suitable gap for the power cord and safety rope to pass through. Closing the door or window too forcefully may risk pinching and breaking the power cord. If the cord is damaged, please replace it as soon as possible before using the product again.



Do not close the window with force!

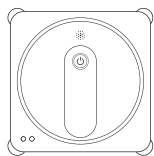
Battery disposal instructions.

Batteries should be disposed of safely. To discard the battery inside this device, do not dispose of it with household waste. Instead, take it to a nearby battery recycling station for proper handling. The following instructions are not intended for general users but are meant for the final battery disposal party. The chemicals contained in the built-in battery of this device can pollute the environment. Before discarding the robot, make sure to remove the battery from the device, and the battery should be sent to a professional battery recycling center for proper disposal.

Battery leakage can cause injury! If the battery leaks, ensure that the leakage does not come into contact with your eyes or skin. If contact occurs, immediately wash your hands and rinse your eyes with water. If discomfort persists, seek medical attention immediately.

1.Product Contents and Features

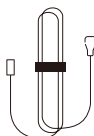
1.1 Contents of the Package



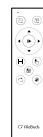
Main Unit



Power Supply
(including power
extension cord)



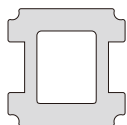
Safety Rope Hook
(one end already installed
in the main unit)



Remote Control
(batteries not
included).



Manual



Cleaning Cloth



Hand spray pistol

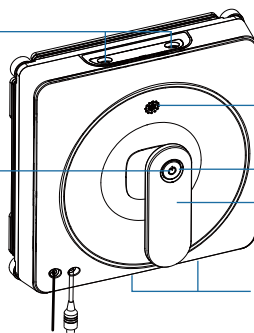


water bottle

1.2 Introduction to the Device

Micron Ultrasonic
Fountain Nozzle.
(RS7 PLUS/ RS8)

Status Indicator Light.

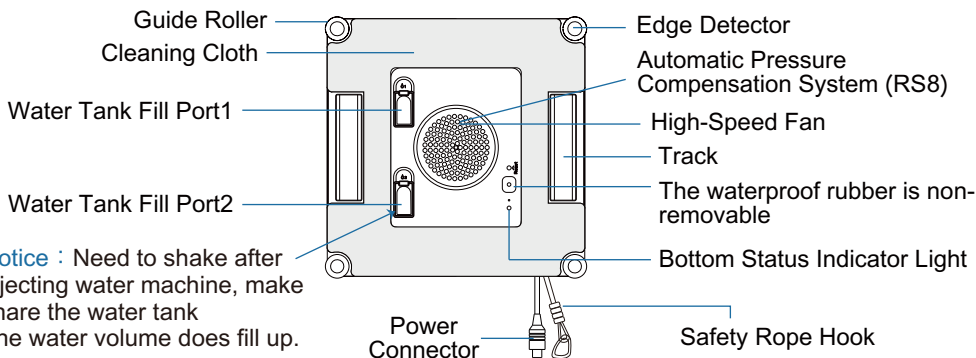
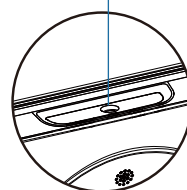


Speaker Port

Button
handle

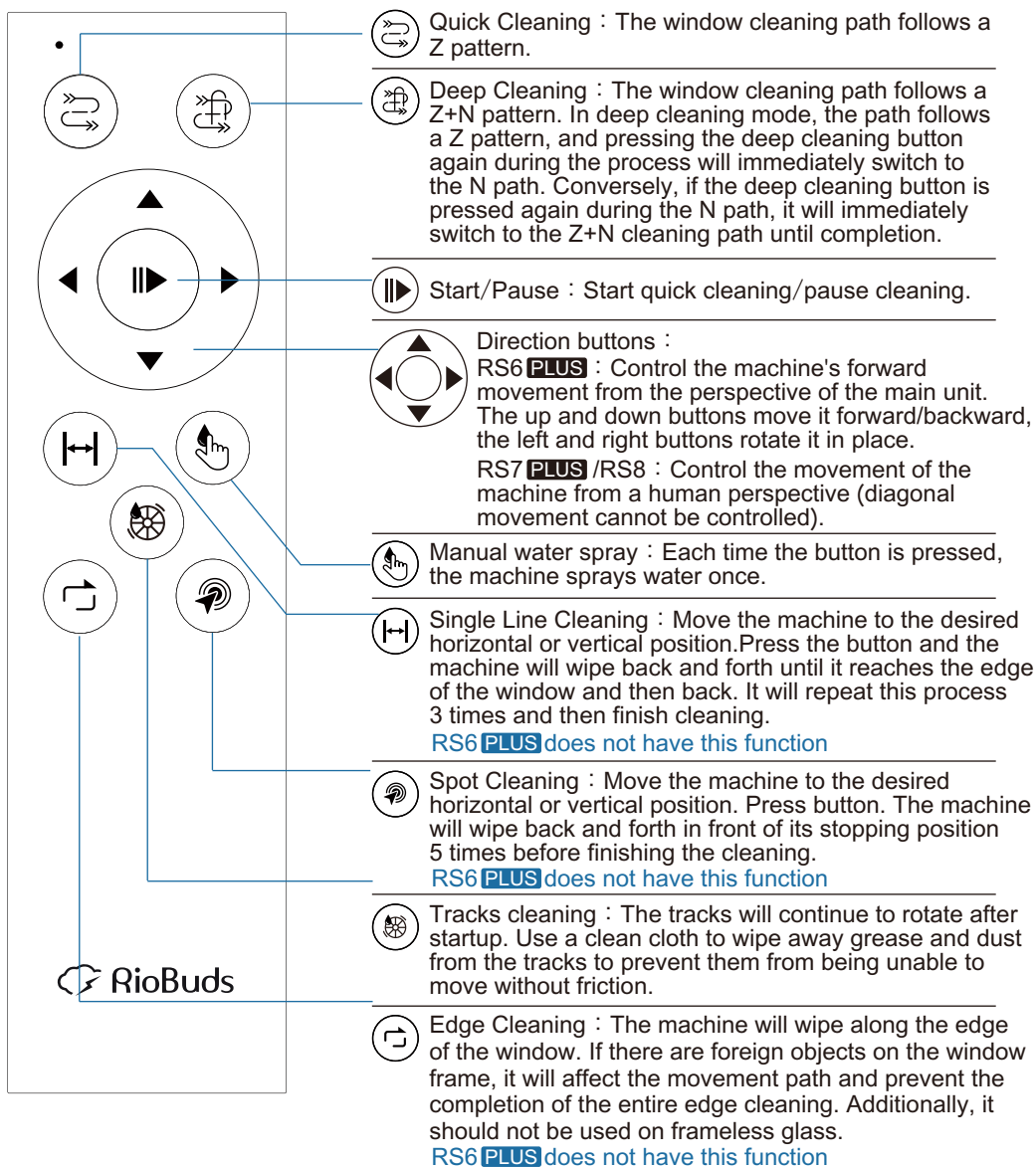
Micron Ultrasonic
Fountain Nozzle.
(RS7 PLUS/ RS8)

Single water nozzle
front and rear
(RS6 PLUS)



Notice : Need to shake after
injecting water machine, make
share the water tank
The water volume does fill up.

1.3 Remote Control Functions Description



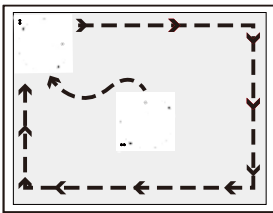
Notice : The edge cleaning function should not be used on frameless glass to avoid the risk of falling.

Pause work

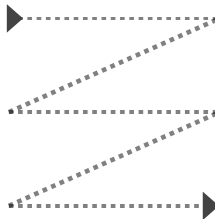
To pause, you can press the "⏸" button on the remote control to pause or resume the product's operation

1.4 Description of Cleaning Mode Path

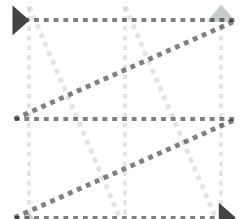
1 Edge Cleaning (RS7 PLUS / RS8)



2 Quick Cleaning : Z



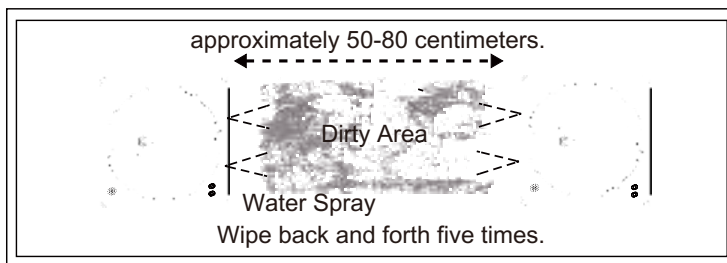
3 Deep Cleaning : Z+N



Recommended : During the edge cleaning process, the machine may occasionally stay in the corners for more than a minute. If you do not want to wait, you can press the (Edge Cleaning) button again to proceed to the next step immediately.

4 Spot Cleaning (RS7 PLUS / RS8)

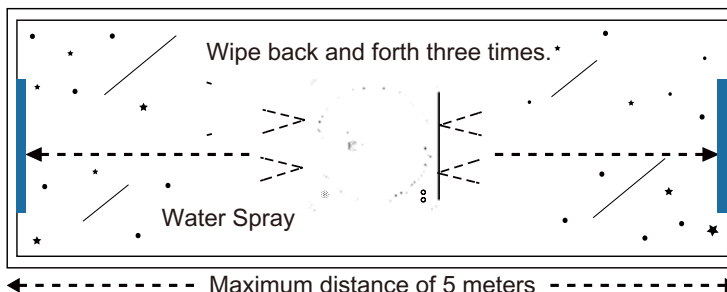
Move the machine to the desired horizontal or vertical position. Press button. The machine will wipe back and forth in front of its stopping position 5 times before finishing the cleaning.



Notice : Water will only spray along a horizontal path.

5 Single Line Cleaning (RS7 PLUS / RS8)

Move the machine to the desired horizontal or vertical position. Press the button and the machine will wipe back and forth until it reaches the edge of the window and then back. It will repeat this process 3 times and then finish cleaning.



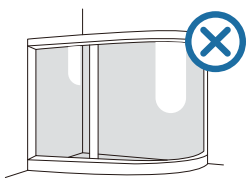
Notice :

- The machine may exhibit a certain degree of walking deviation on different glass surfaces; if it does not move straight, this is considered a normal phenomenon.
- Water will only spray along a horizontal path.

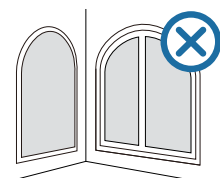
2.User Manual

2.1 Precautions Before Use

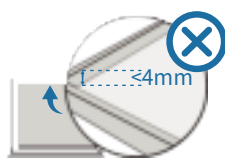
The following scenarios cannot be used :



❶ Curved or uneven glass surfaces



❷ Not square



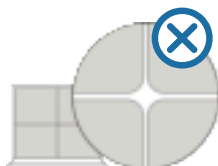
❸ Window frame height is less than 4mm



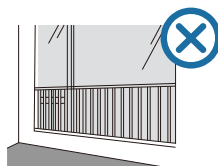
❹ There are oil stains on the glass surface



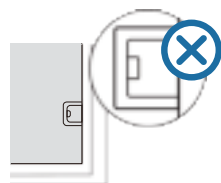
❺ There are foreign objects on the glass surface



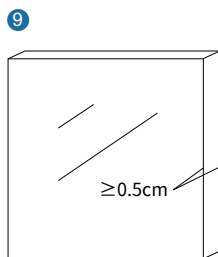
❻ There are gaps



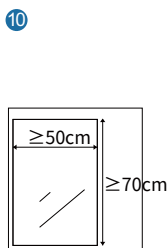
❼ The railing is too close to the glass



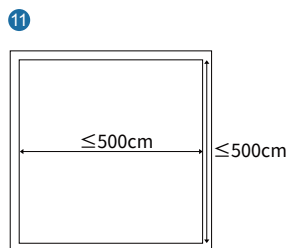
❽ Obstacles at the edge of the glass must be less than 4mm



Glass thickness is less than 0.5mm



The minimum size of the window must not be less than 50*70 cm



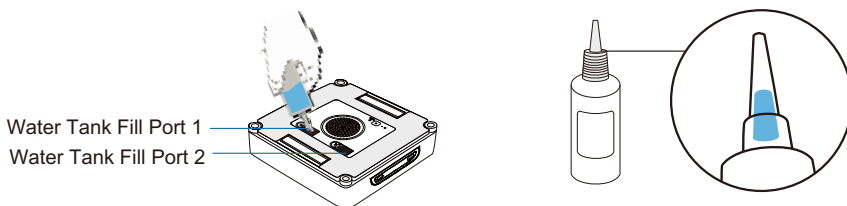
The maximum size of the window must not exceed 5 meters

Notice :

- Any immovable obstacles (such as railings, furniture, etc.) in front of the window must be removed; otherwise, use is not recommended.
- If this product is used on a window that is not completely vertical, there is a possibility that the product may not function properly.
- This product cannot be used in an inverted position.
- Please note that it should not be used with corrosive cleaners, and using non-commercial neutral cleaning solutions may result in poor cleaning performance or damage to the product.

2.2 Preparation Before Use

- 1 The water tank can only be filled with clean water.
Adding alcohol, cleaning agents, or other liquids is prohibited.



Due to the extremely small diameter of the micro ultrasonic water spray nozzle, only the Riobuds dedicated water bottle can be used for refilling. This is because the filter cotton inside the water bottle effectively filters out impurities larger than the nozzle's diameter, ensuring the machine operates properly.

- 2 Install the cleaning cloth

Pull the damp cleaning cloth tightly to the left and right, then align one side with the bottom of the machine and stick it down flat. Proceed to do the same for the other three sides.

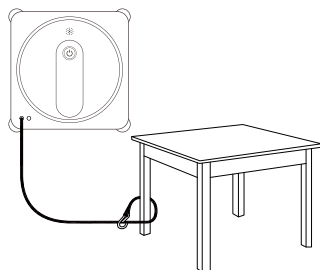


Damp Cleaning Cloth

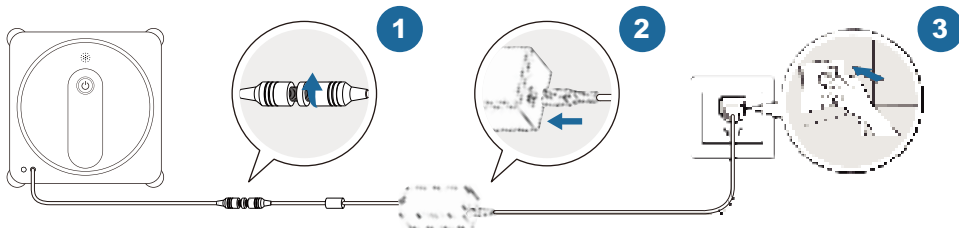
Wringed Cleaning Cloth

Please pay attention to the direction when attaching.

- 3 Secure the safety latch to a stable, non-moving object, and set the length of the safety rope, such as the legs of a table, chair, bed, sofa, or stair railing. Make sure the safety latch is locked properly to avoid any hazards before use.



- 4 Connect the main unit to the power supply connector and plug.

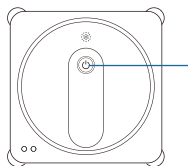


After plugging in the power, the indicator light will shine steadily blue.

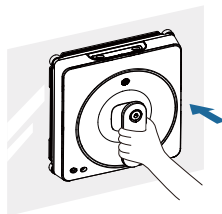
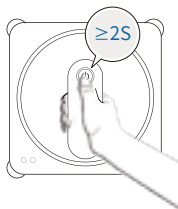
2.3 Start Using

1 Activate the Machine

1. Press and hold the button on the handle for 2 seconds until the fan starts, and the indicator light will turn to flashing blue.
2. After hearing the fan start, place the window cleaner's bottom on the glass. At this point, the window cleaner will automatically attach itself to the glass, and the indicator light will turn to steady blue.
3. Press the button on the handle again or the cleaning button on the remote control to start the cleaning.



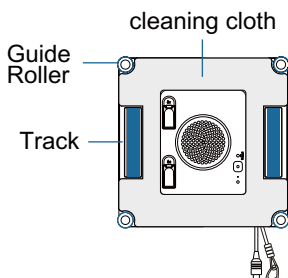
Status Indicator Light Button
(Quick Mode Z Path)



Notice :

- When cleaning the glass, ensure that the machine's suction position is at least 20 cm away from the edge.
- This product can only clean flat surfaces. Please make sure the glass thickness is not less than 0.5 cm.
- After the fan starts, do not bring small objects like hair close to avoid them being sucked into the fan, which could damage the machine or cause serious injury.
- Before cleaning, check if there is any gravel on the glass surface. If so, please remove it before using this product to avoid scratching the glass.

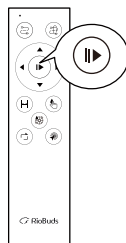
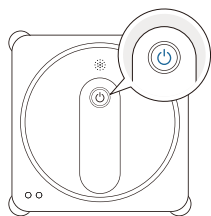
- 2 You can pause the machine during the process to replace the cleaning cloth and check if the machine's tracks need cleaning. For heavily soiled glass, it is necessary to frequently replace the cleaning cloth with a clean one and wipe multiple times to achieve a clean surface. Additionally, check the dirt on the four guide wheels at the bottom of the machine and inspect for grease or dust on the tracks to ensure effective cleaning.



Recommended : The used cleaning cloth must be washed, and ensure that all small particles on the cloth are completely removed to avoid scratching the glass during the next use.

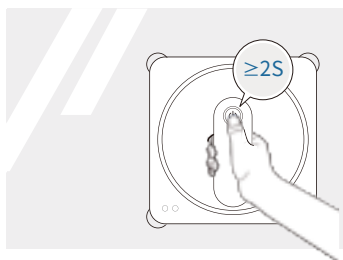
3 End of Work / Pause the Machine

During operation, you can briefly press the button "⏻" on the main unit or use the "⏸" button on the remote control to pause the machine.



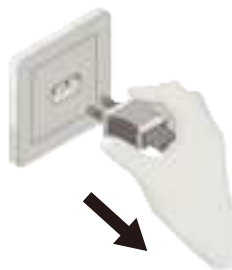
4 Remove the Machine

After completing the work, the machine will automatically return to the home position and wait to be removed. At this time, press and hold the button for 2 seconds to stop the fan. Then, remove the machine.

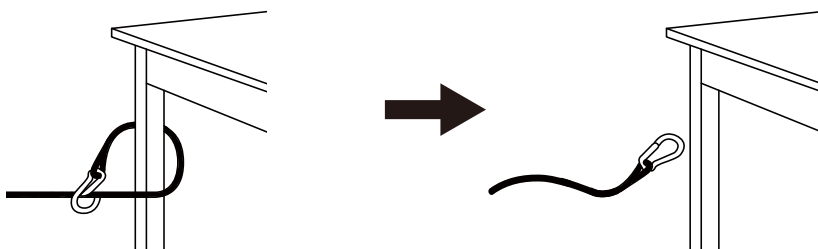


5 Power Off

Remove the power supply to turn off the machine.



6 Remove the safety rope buckle.

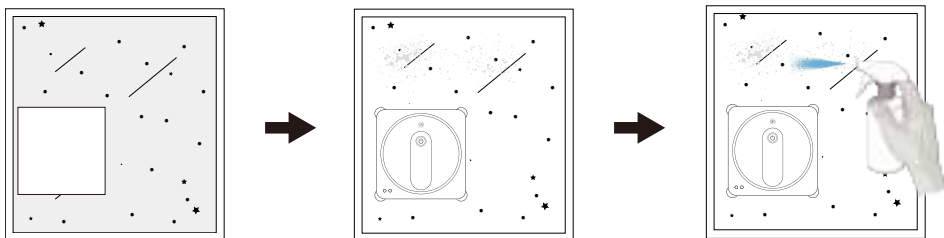


Recommended :

- If the machine stays in one position for too long, there may be residual track marks on the glass. These can be easily removed by hand.
- You can purchase a power extension cord to increase the cleaning distance, but you can only add one extension cord at most.

3.Usage Tips

If the glass surface is too dusty, please clean a small area the size of the machine before using the product to allow for proper adhesion. You can also use a commercially available neutral glass cleaner or water. Spray it around the area of the glass where the machine will operate to enhance cleaning efficiency.



4.Routine Maintenance

4.1 Cloth Cleaning Method

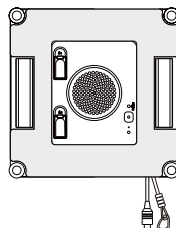
Pull the damp cleaning cloth tightly to the left and right, then align one side with the bottom of the machine and stick it down flat. Proceed to do the same for the other three sides.



Damp Cleaning Cloth



Wringed Cleaning Cloth

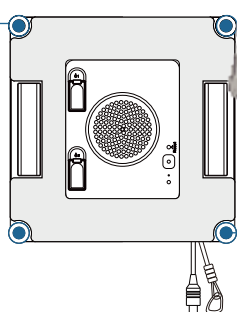


Please pay attention to the direction when attaching.

Recommended : The used cleaning cloth must be washed, and ensure that all small particles on the cloth are completely removed to avoid scratching the glass during the next use.

4.2 Clean the Guide Roller and edge sensors



Guide Roller

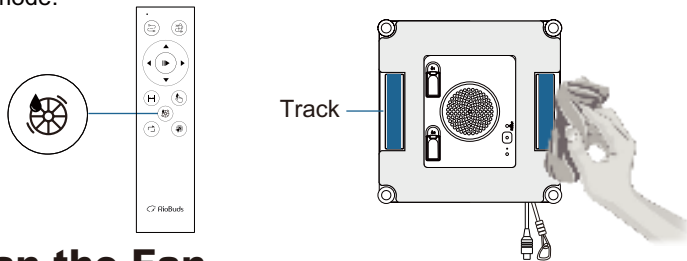


Edge Sensor

Use a neutral cleaning solution or alcohol for wiping.

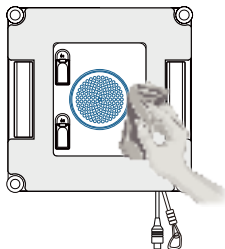
4.3 Method for Cleaning the Tracks

Before cleaning, please ensure that the fan is not in operation. Use the button " " on the remote control to activate the track cleaning mode. Wipe the rotating track with a cloth using a neutral cleaning solution or alcohol. After wiping, press the " " button on the remote to exit cleaning mode.



4.4 Clean the Fan

Before cleaning, please ensure that the fan is not in operation. Use a neutral cleaning solution or alcohol for wiping.



4.5 UPS Battery Maintenance

Recommended : It is recommended to clean the glass every month or at least charge it once every three months. The charging time must be over 1 hour to avoid reducing the battery's lifespan.

5.Indicator Light Instructions

Indicator light	Main unit status	High-speed fan	Edge detector	Track	Meaning of indicator light
Blue light steady on	Power on	Turn Off			First Power On
Blue light flashing	Edge detector normal	Start	Turn Off		Start the machine
Blue light steady on	Waiting to start	Start		Turn Off	Suction successful
Blue light steady on	Activate Quick mode			Start	Start cleaning
Red and blue light flashing	Power on	Turn Off			UPS battery too low, startup prohibited
Pink light flashing		Start			UPS battery is low, but users can operate it. During use, it will continue to charge until fully charged and the light turns blue.
Pink light steady on					
Red light flashing					Power supply has lost power
Red light steady on					Indicates track overload during operation

6.Troubleshooting Common Issues

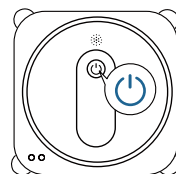
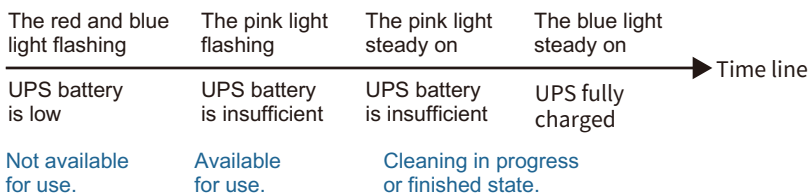
Serial number	Fault condition	Possible cause	Solution
1	Unable to use, red light flashing	Power outage	Use the remote control's left and right directional buttons to move the product to an easily accessible place, then remove the product. Afterward, check if the power cord assembly is providing power normally.
2	Unable to use, red light on	Track overload	Check if there are any foreign objects in the drive tracks. If there are foreign objects, try to clean them. After cleaning, restart the device and perform deep cleaning. If the issue persists, please contact customer service.
		There are low obstacles on the surface of the window.	The machine currently relies on edge detectors that detect electrical currents and withstand it to detect obstacles and boundaries. The machine cannot detect obstacles or borders with a height lower than 4mm. If this happens, please help the machine troubleshoot.
3	The remote control is not working	The battery is dead.	Replace with two new AAA batteries.
4	Unable to use, red and blue lights flashing	UPS battery is low.	Plug in and charge for at least 15 minutes, check to see if the indicator light turns flashing pink. 1.The pink light flashes and can be used temporarily. After cleaning, please fully charge the UPS battery. 2.If the red and blue lights still flash and cannot be used, please contact after-sales service.
5	Pink light flashing	UPS battery is insufficient.	It was detected that the UPS battery power was too low when it was turned on. After a short charge, the user is temporarily allowed to use it. However, UPS power only remains safe for about 5 minutes. Please use with caution. After cleaning, do not unplug the power plug and allow the host to continue charging until it is fully charged. Until the fully charged indicator light turns solid blue.
6	Pink light on		
7	It returns to normal after a period of time without moving.	The cleaning cloth absorbs too much water and causes it to run onto the tracks.	1.Replace the dry cloth and clean the tracks. 2.The machine operates normally after running for a while. This is because it has an automatic track air-drying feature.
8	Only the lower single nozzle sprays when moving horizontally (excluding RS6 PLUS).	The water tank level is below 30%.	The water tank needs to be filled for the dual nozzle spraying to function properly.
9	Unable to spray water	The spray nozzle is clogged or the water tank is empty.	1.There are two water tanks on the machine. Please check if they are full. 2.Please use a cotton swab to gently wipe the water spray hole clean.

Serial number	Fault condition	Possible cause	Solution
10	The machine has not returned to the origin point.	<p>The starting position is determined by counting the number of revolutions of the track. If at any time the track slips, the algorithm will go wrong.</p> <p>The remote control function is used or the mode is switched during the process, so the machine does not know the starting position.</p>	<p>1. Please use the direction keys on the remote control to help the machine return to a position that is easy to remove.</p> <p>2. If the remote control cannot be used, please follow the following steps:</p> <ol style="list-style-type: none"> Hold the safety rope and power cord tightly with your hand Unplug it Remove the power plug. Use the safety rope and power cord to slowly pull the machine back to a place where it can be easily removed.
11	Unable to wipe the entire glass (Stay put)	<p>1: The cloth is too wet, causing water to get onto the tracks and making them slip.</p> <p>2: The tracks are too dirty or oily.</p> <p>3: The suction position is too close to the window frame.</p>	<p>1. After running the cleaning mode several times, the machine will return to normal operation. This is because the machine has an automatic track-drying function, which requires some time to dry the tracks. You can also manually control the machine to start at the top of the glass.</p> <p>2. Refer to section 4.3 [Daily Maintenance] in this manual for the method of cleaning the tracks.</p> <p>3. When reattaching to the glass, please ensure that the suction position is kept at least 20 cm away from the window edge.</p>
12	It fell off while cleaning the windows.	Use when the glass is uneven or has gaps or there are objects on the glass surface.	As stated in Article 21 of [Restrictions on Use] in this manual, this product is not suitable for such scenarios.

【Troubleshooting Common Issues】 Serial numbers 4 / 5 / 6 :

The light sequence diagram when the UPS battery is low is as follows.

Indicator Light



Notice : After the cleaning is completed, if the indicator light shows a constant pink light, it means that charging is still needed.

7.Specifications

Product Model	RS6 PLUS	RS7 PLUS	RS8
Rated Input	24V==3A		
Rated Power	72W		
Dimensions	21.5*21.5*10.3cm		
Weight	Approximately1.35kg		
Water Tank 1	100ml		
Water Tank 2			
Suction Power	4300PA ±200		
UPS Protection Time	30min(fully charged)		
Remote Control Range	>5m		
Power Supply			
Input	100~240V 50/60Hz		
Output	24V==3A		

* Due to the continuous improvement of the product, the actual product shall prevail. Our company reserves the right to update the product.

* The English specifications for this product are intended for the U.S. and European markets and differ slightly from the Chinese and Japanese versions.

8.Model Features

Product Model	RS6 PLUS	RS7 PLUS	RS8
UPS System	*	*	*
Power On to Check UPS System Functionality	*	*	*
Tracks Air drying function	*	*	*
Remote Control Function	*	*	*
Front and Rear Dual Water Spray		*	*
Front and Rear Single Water Spray	*		
Suction Power 4300PA ±200	*	*	*
Manual Remote Control	*	*	*
Quick Clean Path Z	*	*	*
Deep Clean Path Z + N	*	*	*
Tracks Cleaning	*	*	*
Single Line Cleaning		*	*
Spot Cleaning		*	*
Edge Cleaning		*	*
Voice Function			*
Automatic Pressure Compensation System			*