



electriQ Window Cleaning Robot iQlean-WR01 User Manual

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electriQ Window Cleaning Robot iQlean-WR01



Thank you for choosing your electriQ robot window cleaner. This instruction manual is designed to provide you with all required instructions related to the installation, use and maintenance of the appliance. In order to operate the unit correctly and safely, please read this instruction manual carefully before installation and usage.

SAFETY PRECAUTIONS

Important

- Carefully read the instructions before operating the unit. Please retain the manual for future reference
- Before use ensure product's safety harness is securely fastened.
- People on the ground and balconies below the robot should be protected from the danger of injury caused by accidental failure of the robot.
- This robot window cleaner has been tested and is safe to use. However, as with any electrical appliances – use it with care.
- For normal operation the machine must be plugged into the power supply at all times.
- Ensure the robot's battery is fully charged before use. This is shown by an illuminated green LED in the status indicator.
- Do not use on cracked or damaged glass. Where glass has been coated, with reflective film for example, ensure the surface is fully intact.
- Keep hair, loose clothing and fingers away from the air intake and the moving parts of the machine.
- Keep the machine away from flammable liquids and gasses that may be drawn into the machine.

- The power supply unit must be only connected to a 220-240V / 50-60Hz earthed outlet.
- Always check the rating label against your electrical supply.
- If you are in any doubt about the suitability of your electrical supply have it checked and, if necessary, tested by a qualified electrician.
- Disconnect the power plug from unit before dismantling, assembling or cleaning.
- Do not clean the unit by spraying it or immersing it in water.

Never operate this appliance if the cord or power supply is damaged. Ensure the power cord is not stretched or exposed to sharp objects /edges.

- Do not use the appliance if any part or any accessory is damaged or defective.
- A damaged power supply should be replaced only with original parts from the manufacturer.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities. It is also not intended for use by those with a lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
- Do not leave children or animals unsupervised with this appliance.
- Any service other than regular cleaning should be only performed by an authorised service representative.
Failure to comply could result in a voided warranty.
- Do not use the appliance for any other purposes than its intended use.
- Do not use the appliance in places with high humidity (>80%RH)
- Do not immerse the robot in water or other liquids. If the robot is immersed in water or other liquids by mistake, do not touch it with your hands. If the appliance is immersed in water or other liquids, discard it.
- Do not use in an environment where there is a risk of fire or explosion.
- Do not place any object on the top of the robotic cleaner
- Make sure unit is assembled correctly before use.
- Charge for 24 hours before operating first time. If not using the robot for a long period please fully charge and remove the battery.

PRODUCT OVERVIEW

Your robot window cleaner is designed to clean windows at a rate of 4 minutes per square meter.

It is mains powered and has a backup battery to power the unit in the event of a power cut.

A remote control can be used to set the robot on a cleaning pattern or it can be controlled manually. It can detect the edge of windows and change direction.

The device is protected by a safety harness, in the unlikely event of a loss of suction.



STATUS INDICATOR

Red: Charging

Green: Fully charged

Blue: Suction

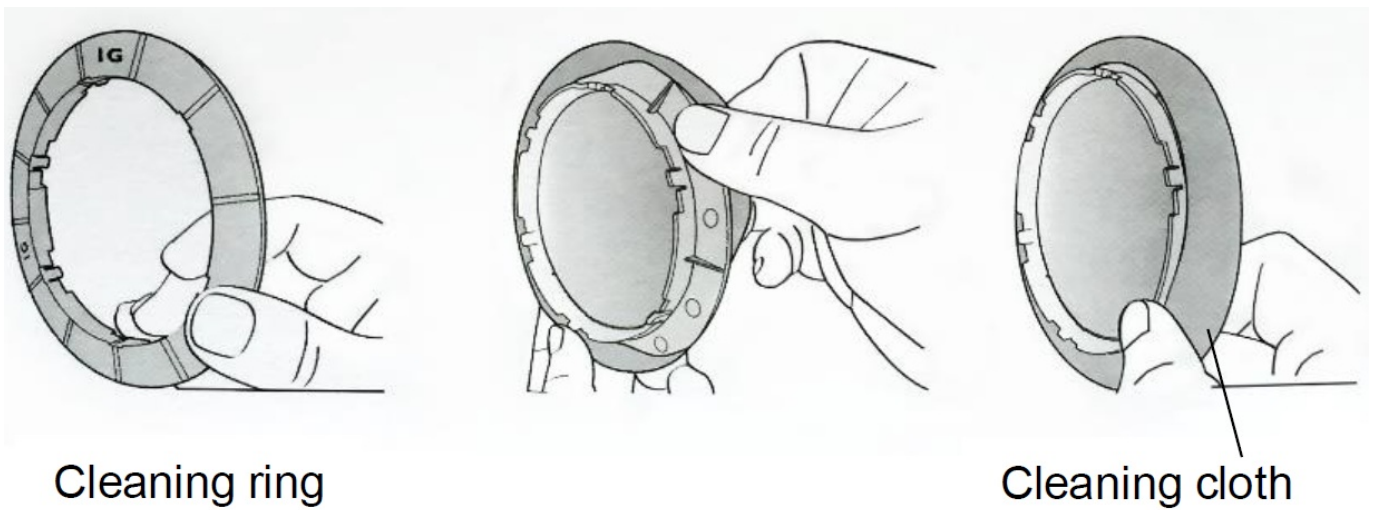
(see also Diagnostics, page 8)

WARNING

- Do not use on frameless windows.
- Ensure that the cleaning ring is correctly installed over the cleaning wheel to avoid loss of suction.
- Do not use in wet weather.
- Always ensure that people on the ground or on balconies below the window cleaning robot are protected from the danger of injury from of the unit falling on them.

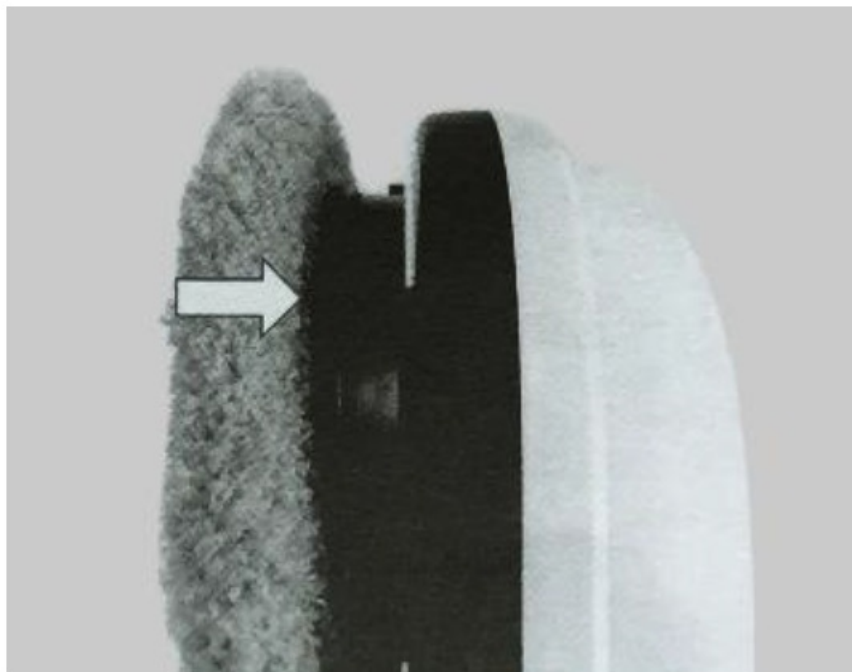
ASSEMBLY

CLEANING CLOTH



The robot has two cleaning wheels on its underside.

Each wheel requires a cleaning cloth, which is in turn held in place by a cleaning ring. Take the cleaning ring, and warp the cleaning cloth over it. Take the assembled ring and cloth and press it onto the cleaning wheel.



CONNECTING THE POWER SUPPLY

The robot window cleaner requires connection to the power supply at all times of operation. Referring to the diagram below/following page,

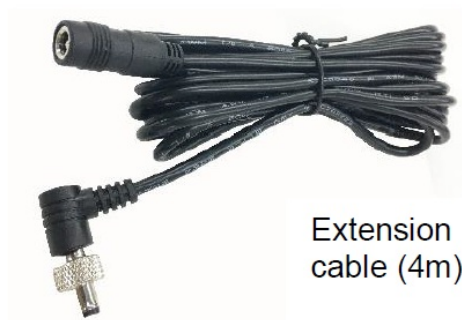
1. Insert the 'figure of 8' jack into the power supply.
2. Insert the DC output jack from the power supply into the socket of the extension cable.
3. The right-angled jack of the extension socket is then inserted into the power supply socket on the robot (see previous page) and the nut is tightened.
4. Attach the safety harness to a suitable position above the window.
5. Insert the mains plug into a mains socket and switch on.



'figure of 8'
jack



Mains
Power
Supply



Extension
cable (4m)



Safety
harness

Once the power is switched on, check the fan is creating suction and that the status indicator lights are OK. Place the robot on the window, keep it away from the window frame initially. Check that the suction can hold the device, then let go.

To remove the device, use one hand to gently pull the safety harness, and use your other hand to remove the robot.

BACKUP BATTERY

Should the power supply fail, an internal battery will provide power for up to 30 minutes. The device will continue to operate but a warning sound will be emitted along with a flashing red light. At this point the user should recover the machine from the window to prevent a loss of power and a fall.

OPERATION CLEANING WINDOWS

For best results work in dry and sunny weather.

STEP1 DRY WIPE

For the first run it is advised to operate the unit dry, without water, to remove dust from the window. This prevents a build up of mud on the window and poor results.

STEP2 DAMP CLEAN

Remove the dirty cleaning cloths and replace with clean ones.



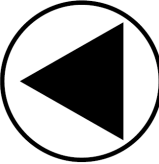
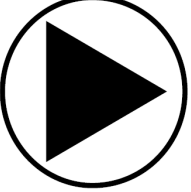
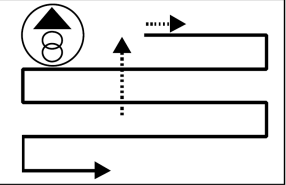
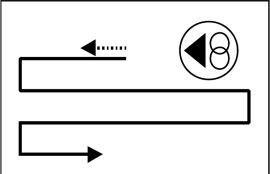
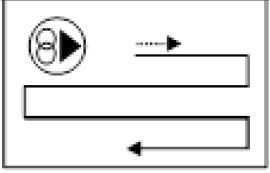


Spray the clean cloths with 1 to 2 sprays of cleaning agent so that the cloth is damp but not wet. A wet cleaning cloth will give poor results.

REMOTE CONTROL

The robot's movements are controlled either manually or can be set to follow predetermined patterns.

The robot window cleaner can receive signals from the front and the back side of the machine so it can be controlled from either side of the glass.



	Move up manually
	Move down manually
	Move left manually
	Move right manually
	Move up to the top of the window and then clean in a pattern from left to right
	Clean in a downward pattern from right to left
	Clean in a downward pattern from left to right
	Stop
	Start
A and B	Not used

DIAGNOSTICS

The functional status of the robot can be read from its status indicator window. There are three LEDs, one in the left of the window, one in the centre and one on the right.

Left LED	Centre LED	Right LED	STATUS
		Red	Charging
		Green	Fully charged
Red flashing	Warning sound		Power supply interrupted
Red flashing	Blue flashing		Hardware error
Red flashing	Beep		Vacuum too low / air leakage during operation

CLEANING AND MAINTENANCE

After use, please wash the cleaning cloths as follows:

- Washing temperature lower than 40°C
- Do not tumble dry
- Do not iron
- Not dry clean
- Do not bleach

TROUBLESHOOTING

1. On start-up, the machine performs a self-test, if any problems are detected, such as too little or too much friction please check the following:
 - Is the cleaning cloth too dirty?
 - Glass is unsuitable?
 - Glass is already very clean and too slippery to clean again?
 - Humidity too low, glass too slippery?
2. Using the automatic program the machine slips and cannot detect the edge of the window.
 - Stop the device and use alternative programs or
3. The machine does not complete the cleaning of the window and stops before completing the window.
 - Use program and to continue the unfinished parts
4. The unit skids and cannot climb the window
 - Friction is too low, suction from the fan is too low
 - Cleaning cloth is too wet
 - Glass is already very clean and slippery
 - Humidity is too low
 - Solution: use program , , or putting the machine in the middle of the window to avoid malfunction
5. Uneven operation of the machine
 - Cleaning cloth is too dirty. Replace cloth with clean one.
 - Uneven areas on the surface of the glass, for example algae.
 - Cleaning wheel loose, please tighten.
6. Due to a power outage, the machine makes warning sound and red light flashes
 - Robot is using backup battery. To prevent complete power failure, use the safety harness to pull it back to a safe position. Turn off the power and check all power connections.

7. The machine encounters an obstacle and stops with the red light flashing (no warning sound).

- Use the safety harness to pull the unit back to a safe position.
- Eliminate obstacles on windows
- Check if there is a cause of leakage

8. On start-up, the machine does not operate, with no alarm.

Scenario	LED status	Machine status
	Right LED: off	Battery voltage is too low, please charge to full power (green LED) and then use. If after charging for more than 8 hours the situation is the same, battery has failed and needs replacing
	Central LED: Blue flashing	
	Alarm	
2	Left LED: Red flashing	Hardware failure Please contact customer services for repair.
	Central LED: Blue flashing	
	No alarm	

9. After cleaning the windows, swirls are visible on the glass at night.

Repeat cleaning with a dry cloth. Then clean and dry the cleaning wheel.

Fit a new cleaning cloth and dampen with one to two drops of cleaning agent or alcohol. This will remove swirl marks.

10. The machine has cleaned the whole window and does not stop automatically.

Press the stop button on the remote control.

TECHNICAL SPECIFICATION

Product dimensions	298 x 150 x 120mm
Product weight	945g
Input Voltage	100-240VAC,50Hz/60Hz
Power supply output	24V, 3.75A
Adapter certification	CE, UL, FCC
Power consumption	80W
AC power cord length	1.0m
DC power cord length	4.0m
Safety harness length	4.5m
Battery	4 x Li-Po, 3.7V
Battery working time	20 minutes
Battery life time	2 years
Cleaning speed (two passes required)	4min per m ²
Maximum cleaning area	Height:6 meters Wide:5meters

electriQ UK SUPPORT

www.electriQ.co.uk/support

www.electriQ.co.uk

Call: 0330 390 3061

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Recycling facilities are now available for all customers at which you can deposit your old electrical products. Customers will be able to take any old electrical equipment to participating sites run by their local councils. Please remember that this equipment will be further handled during the recycling process, so please be considerate when depositing your equipment. Please contact the local council for details of your local household waste recycling centres.

Documents / Resources

 <p>electriQ USER MANUAL Window Cleaning Robot</p> <p>iQClean-WR01</p>	<p>electriQ Window Cleaning Robot iQClean-WR01 [pdf] User Manual electriQ, iQClean-WR01, Window, Cleaning, Robot</p>
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