



WINBOT **W2** PRO OMNI
Instruction Manual

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For the Instruction Manual in further languages, visit: <https://www.ecovacs.com>.

Die Bedienungsanleitung in anderen Sprachen findest du unter: <https://www.ecovacs.com>.

Para el manual de instrucciones en otros idiomas, visite: <https://www.ecovacs.com>.

Pour obtenir le Manuel d'instruction dans différentes langues, visitez : <https://www.ecovacs.com>.

Per il manuale d'istruzi in altre lingue, visitare il sito Web: <https://www.ecovacs.com>.

Bruksanvisningen finns på fler språk på: <https://www.ecovacs.com>.

Du finner bruksanvisningen på flere språk på: <https://www.ecovacs.com>.

Du kan finde brugsanvisningen på flere sprog på: <https://www.ecovacs.com>.

Käyttöopas on saatavilla muilla kielillä osoitteessa <https://www.ecovacs.com>.

Important Safety Instructions

When using an electrical appliance, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING THIS APPLIANCE. **SAVE THESE INSTRUCTIONS**

1. This appliance can be used by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. The appliance is not to be used if it has been dropped, if there are visible signs of damage or if it is leaking. Keep the appliance out of reach of children when it is energized.
2. Do not use and charge the Appliance in extremely hot or cold environments (below 0°C/32°F or above 40°C/104°F, above 85% humidity), or it may affect battery life span.
3. The Appliance can be used to clean exterior windows if it is properly tethered to a safe position with the Carabiner, winds are calm,

and it is not raining or snowing.

4. Before use, please use the Carabiner to lock the safety tether to a strong indoor railing, and make sure WINBOT is securely attached to it.
5. Do not leave the Appliance unattended when using it. To prevent bodily injury or property damage caused by accidental falling of the Appliance, please make sure there are no people, animals, or valuable, fragile objects under the working area of WINBOT.
6. Do not use the Appliance in whole gale storms and force-10 winds, or in areas where the altitude exceeds 2000 meters (6562 feet).
7. Do not leave the Appliance unattended when it is plugged in.
8. For household use ONLY (including exterior window). Do not use the Appliance in commercial or industrial environments.
9. Do not use on broken or uneven glass, such as glass with static cling stickers, advertising posters, or raised patterns, so as to prevent glass breaking or Appliance's falling. Do not use on surfaces with gaps, such as a piece of glass with gaps or holes, or two pieces of adjacent, frameless glass with a gap between them, so as to prevent the Appliance from falling due to poor attachment.

10. Only use accessories recommended or supplied by the manufacturer. Only use the Power Adapter supplied by the manufacturer.
11. Please make sure your power supply voltage matches the power voltage marked on the Power Adapter.
12. Do not use the Appliance on a framed glass with a frame smaller than 5 mm (0.2 in).
13. Do not use on glass less than 3 mm (0.12 in) thick or mirrors less than 4 mm (0.16 in) thick.
14. Do not use on glass or mirrors with a handle height of 70~105 mm (2.76~ 4.13 in).
15. Do not use the Appliance on greasy windows.
16. When used in high humidity environment, the cleaning performance will be affected.
17. Store the Appliance away from heat and flammable materials.
18. In rainy weather, do not use the Appliance on the exterior window to avoid the risk of Appliance's damage or falling.
19. Do not use the Appliance if it does not firmly attach to the glass or has visible signs of damage.
20. To reduce the risk of electrical shock, do not put the Appliance in water or other liquid. Do not place or store Appliance where it can fall or be pulled into a tub or sink.
21. Do not touch power plug with wet hands.
22. When charging the Appliance, do not place it on other electrical appliances and keep it away from fire and liquid.
23. Take care not to damage the power cord. Do not pull on or carry the Appliance by the power cord, use the power cord as a handle, close a window on the power cord, or put heavy weights on the power cord. Keep power cord away from hot surfaces.
24. Do not use with a damaged power cord or receptacle. Do not use the Appliance if it is not working properly, has been dropped, damaged, or come in contact with water. It must be repaired by the manufacturer or its service agent in order to avoid a hazard.
25. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent in order to avoid a hazard.
26. 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.
27. The Safety Battery must be replaced by the manufacturer or its service agent in order to avoid a hazard.
28. The Safety Battery must be removed and discarded according to local laws and

regulations before disposal of the Appliance.

29. The Appliance must be disconnected from the receptacle before removing the battery for disposal of the Appliance.
30. Please dispose of used batteries according to local laws and regulations.
31. Do not incinerate the Appliance even if it is severely damaged. The battery can explode in a fire.
32. The Appliance must be used in accordance with the directions in this Instruction Manual. The company cannot be held liable or responsible for any damages or injuries caused by improper use.
33. **WARNING:** For the purposes of recharging the battery, only use the detachable supply unit BLJ96W240400P-V provided with this Appliance.
34. The robot contains batteries that are only replaceable by skilled persons.
35. The plug and the Power Adapter must be used indoor.
36. If the vacuum glass, which WINBOT is working on, is leaking, remove WINBOT immediately after cleaning is completed.
37. Before cleaning, please observe the area to attach WINBOT for any small particles. If there

are any, please remove them or switch to a particle-free area to avoid scratching the glass.

38. Clean the Mopping Pad in time and make sure that any small particles on it are completely removed to avoid scratching the glass.

To satisfy RF exposure requirements, a separation distance of 20 cm or more should be maintained between this device and persons during device operation.

To ensure compliance, operations at closer than this distance is not recommended. The antenna used for this transmitter must not be co-located in conjunction with any other antenna or transmitter.

	Class II
	Short-circuit-proof safety isolating transformer
	Switch mode power supply
	For indoor use only
	Direct current
	Alternating current

For EU Countries

For EU Declaration of Conformity information, visit
<https://www.ecovacs.com/global/compliance>



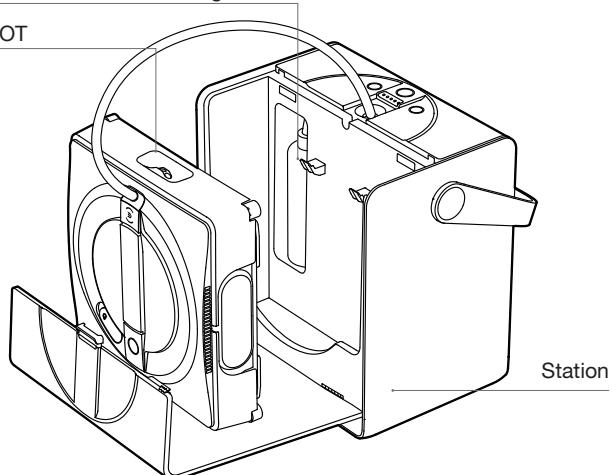
Correct Disposal of this Product

This marking indicates that this product should not be disposed of with other household waste throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To recycle your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can safely recycle this product.

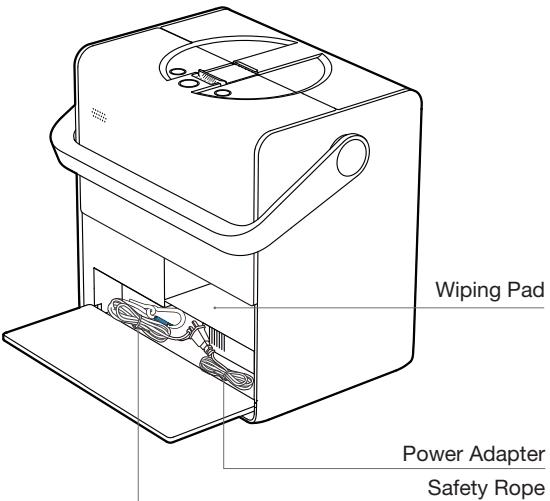
Package Contents

ECOVACS WINBOT Cleaning Solution

WINBOT



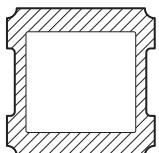
Station



Wiping Pad

Power Adapter

Safety Rope



Wiping Pad



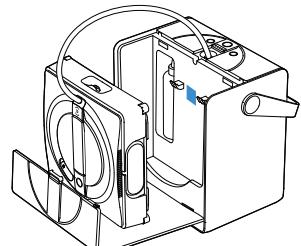
Instruction Manual

* Note: Figures and illustrations are for reference only and may differ from actual product appearance.

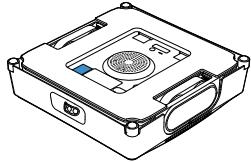
Product design and specifications are subject to change without notice.

Locations of Essential Information

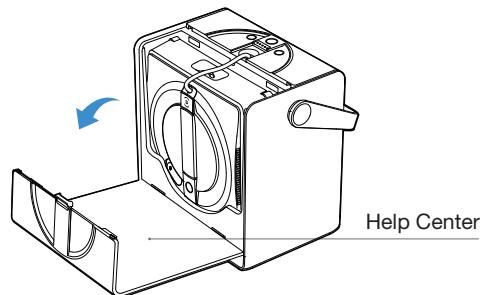
① The network setup QR code is located in following 2 positions.



OR



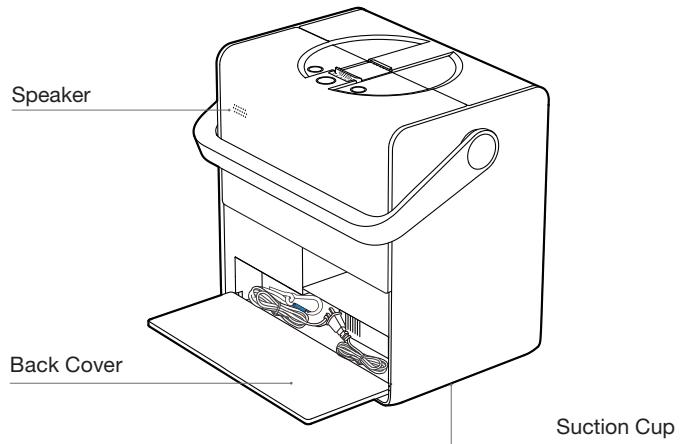
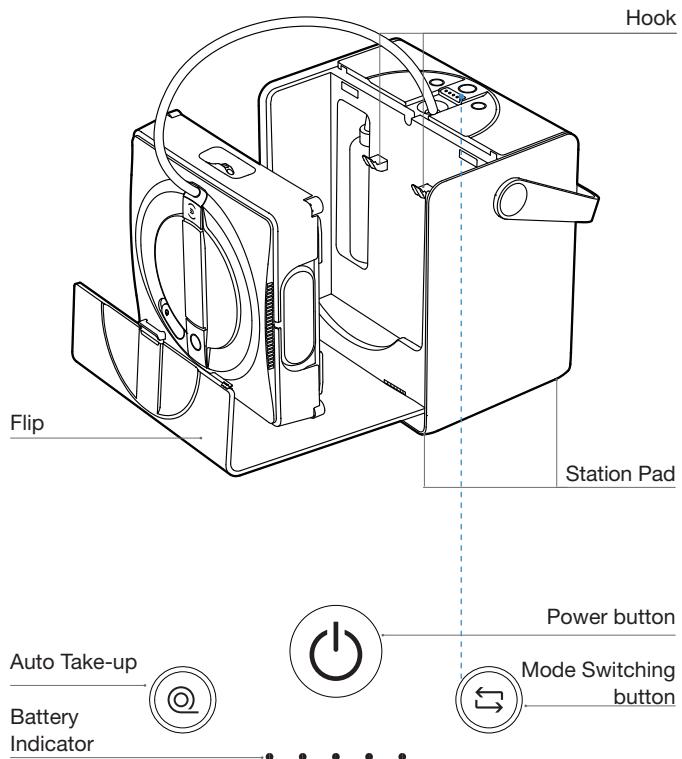
② For common usage and applicability issues, refer to the Help Center that is attached at the back of the Flip.



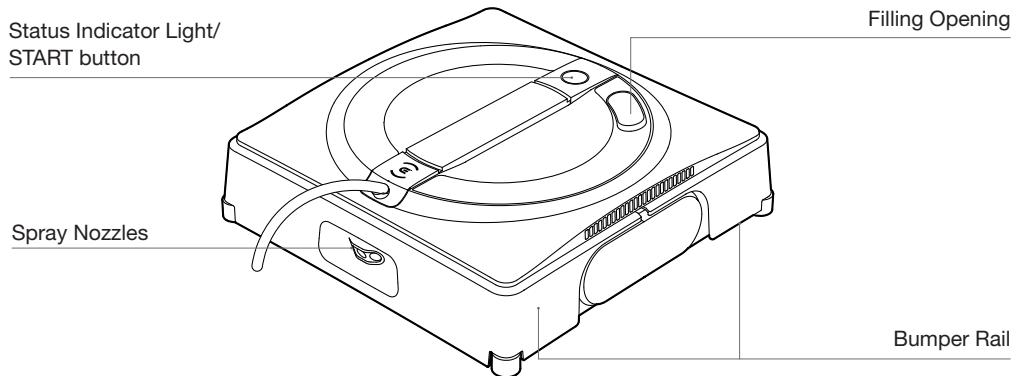
③ For troubleshooting, go to ECOVACS HOME App.

Product Diagram

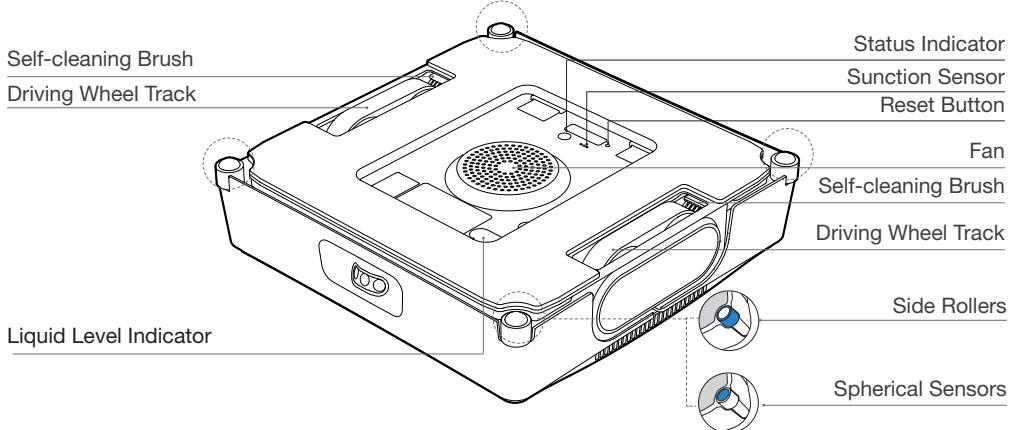
1. Station



2. WINBOT



3. Bottom View



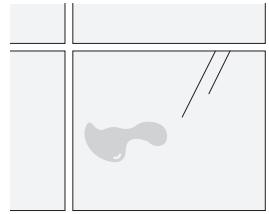
Notes Before Cleaning

- 1 Do not use WINBOT on windows with condensation or oil stains or in extremely cold or hot environments.**

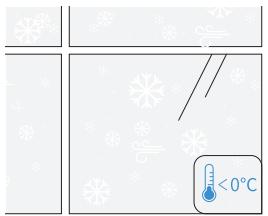
WINBOT may have difficulty moving in the following conditions.



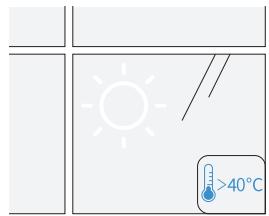
Condensation



Oil stains



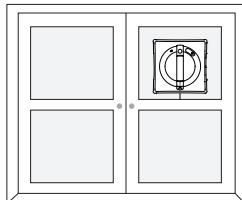
below 0°C



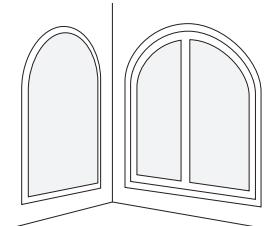
above 40°C

- 2 Do not use WINBOT on windows that are too small or have irregular shapes.**

WINBOT cannot move around in the following conditions.



Small Glass



Irregular Shapes



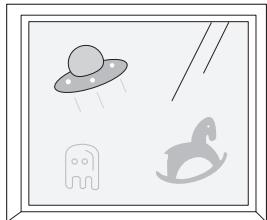
WINBOT delivers optimal performance on square and large windows.



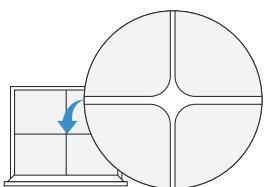
WINBOT delivers optimal performance on dry surfaces and in temperatures above 0°C.

3 Do not use WINBOT on uneven windows.

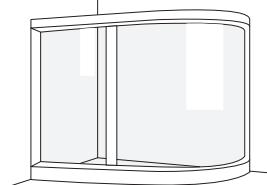
WINBOT may experience insufficient air pressure in the following conditions.



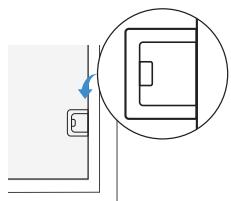
Electrostatic Window Decals, Stickers, etc.



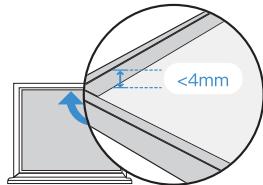
Cracks



Arched Windows



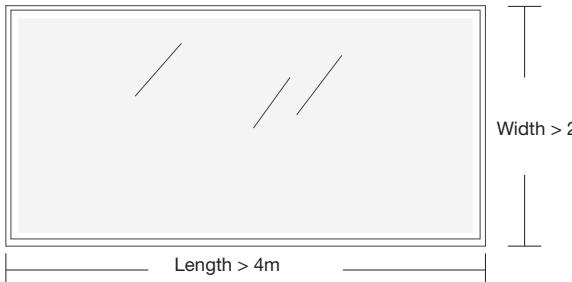
The height of obstacles is less than 4 mm.



The height of frames is less than 4 mm.

4 Do not use WINBOT on super large windows.

Limited by the length of Compound Cable, WINBOT may face challenges navigating across the entire window when it exceeds dimensions of 4m * 2.5m.



Width > 2.5m

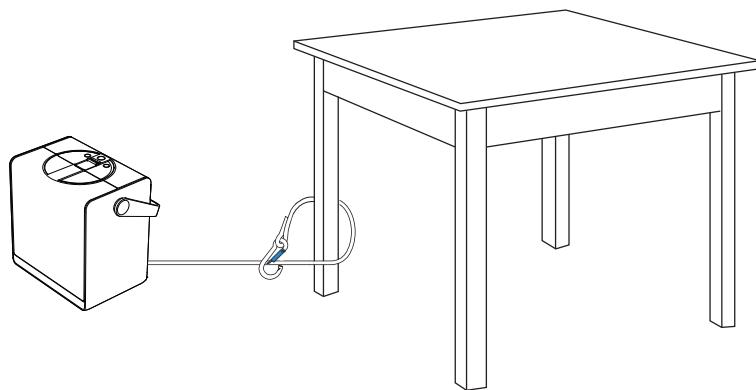
Length > 4m



WINBOT delivers optimal performance on a smooth window surface

Before use, please ensure that Station's safety rope is securely fastened to an immovable and stable object, such as a table leg, chair leg, bed leg, sofa leg, curtain rod, stair railing, etc. Also, lock the Safety Rope to prevent any potential risks.

Safety Rope is assembled by default. Do not disassemble it at will.



Preparations Before Cleaning

1 Station and Status Indicator Lights

Buttons

 Short Press
Pause/Continue

Long Press
Turn ON/OFF

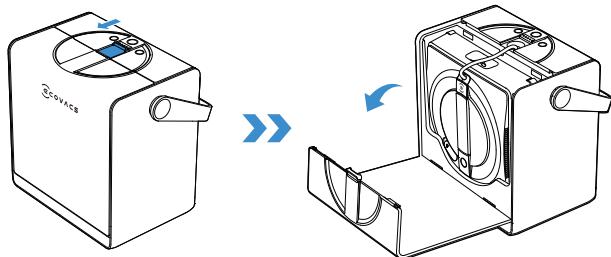
 Short Press
Auto take up the cable

 Short Press
Switch modes

• • • • • Battery Indicator

When WINBOT is working:
Return to the Initial Spot: long press 

How to open the Flip



Status Indicator Lights

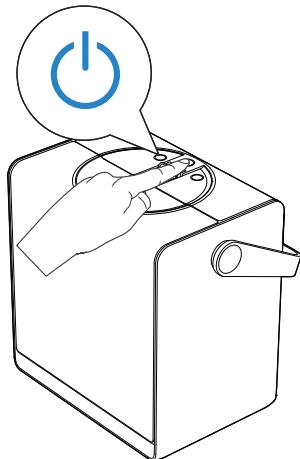
Indicator	Light Effect	Light Effect Interpretation
WINBOT Status Indicator Light	Solid Blue	WINBOT is in standby or is currently cleaning.
	Flashing Red	WINBOT is spraying.
	Breathing Blue	WINBOT is upgrading.
	Flashing Red	WINBOT is unable to function properly.
Station Status Indicator Light	Solid Blue	WINBOT and Station are in normal conditions.
	Breathing Blue	WINBOT and Station are upgrading.
	Flashing Red	WINBOT and Station are unable to function properly.
Station Battery Indicator Light	Solid Blue	Battery is sufficient.
	Breathing Blue	Station is charging.
	Flashing Red	Low battery. WINBOT cannot continue cleaning.
Adapter Status Indicator Light	Solid Green	Station consumes a low current, for instance, in Standby mode.
	Solid Red	Station consumes a high current, for instance, in charging mode.

2 Turn ON Station and WINBOT

Press and hold the Power button on the Station for at least 2 seconds to turn on Station and WINBOT.

The Station operates in two modes:

1. Standalone mode: It uses its built-in battery to power WINBOT.
2. Plugged into a socket: It uses its built-in adapter to power WINBOT while slowly charging its own battery. Refer to the [Storage](#) section for details on how to charge.



3 Fill up the Water Tank

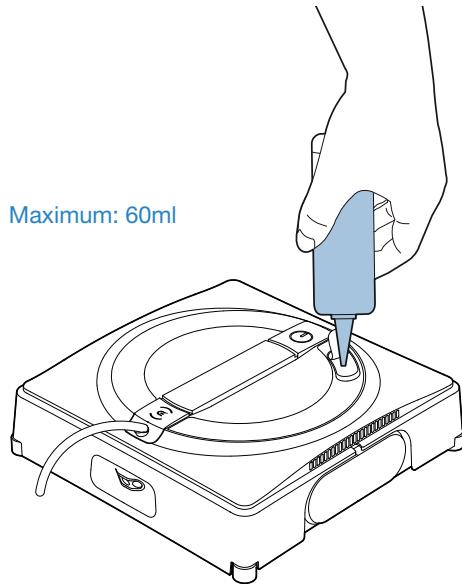
It is recommended to use with ECOVACS WINBOT Cleaning Solution. The maximum volume of the Water Tank is about 60 ml, and a full tank can sustain spraying for about 60 minutes. In Fast Cleaning mode, a full tank can cover an area of approximately 30 m².

Use ECOVACS WINBOT Cleaning Solution for better cleaning performance.

✓ * If ECOVACS WINBOT Cleaning Solution is used up, use tap water as a temporary substitute.

✗ To avoid product damage, do not use any cleaning solution other than the dedicated ECOVACS WINBOT Cleaning Solution.

Do not use distilled water or filtered water.



* If WINBOT is powered on but Fan is not working, WINBOT will shut down after 10 minutes of inactivity. To restart, press and hold the Power button.

4 Install the Wiping Pad

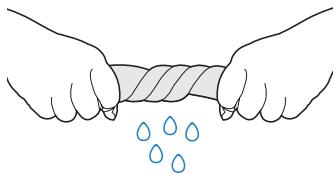
1. Wet the Wiping Pad

Wet the Wiping Pad manually before use.



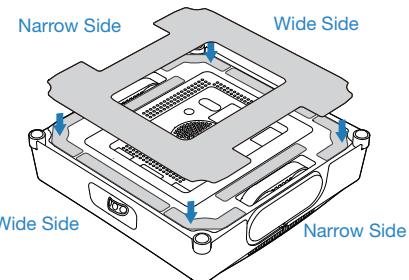
2. Dry the Wiping Pad

Wring water out as much as possible.



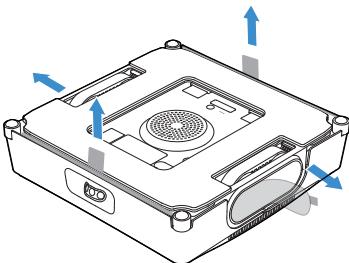
3. Stick the Wiping Pad

Attach the Wiping Pad to the velcro at the bottom of WINBOT, then press it firmly to ensure it sticks securely.



Note

Remove all protective materials, including but not limited to the EPE protective strips around WINBOT and the protective film on its side.



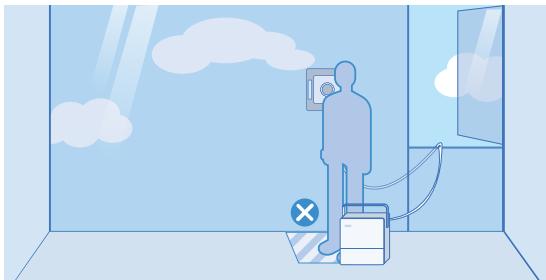
Ready for Cleaning

1 Properly Place the Station

Place the Station next to the window you want to clean.

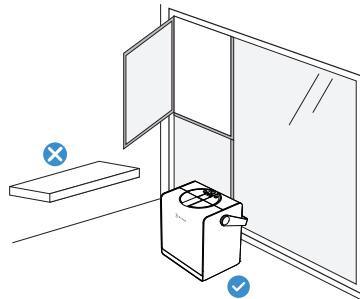
Notes:

1. Try to place the Station as close to the window as possible to prevent people or animals from being tripped over by the Compound Cable.
2. For cleaning larger floor-to-ceiling windows, place the Station on the ground near the window opening in case the Compound Cable is not long enough.



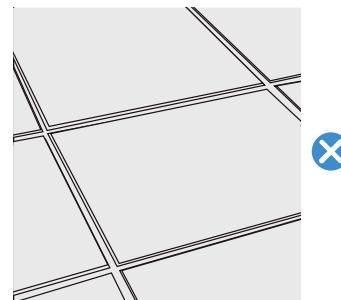
* The effective length of Compound Cable is 5.5m, suitable for a maximum window size of 4m in width and 2.5m in height.

3. Place Station on a flat and seamless ground surface.



* Do not place Station on desks or shelves.

4. Do not place the Station on uneven surfaces, such as carpets, floors with gaps, as it may result in loose attachment of the Suction Cup.



* Suction Cup can only attach on flat, smooth, and seamless surfaces, such as smooth and seamless flooring, tiles, and marble.

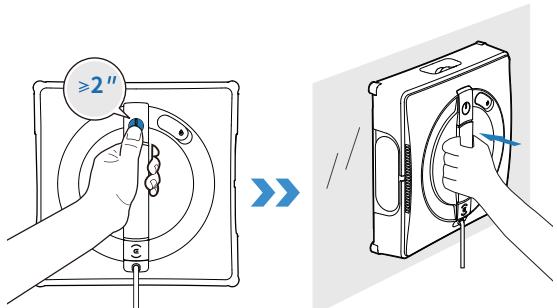
2 Start Cleaning

Make sure Station and WINBOT is turned on.

1. Press and hold START button on WINBOT for 2 seconds to start the fan.
2. Place WINBOT's bottom close to the glass. WINBOT will automatically attach itself and start cleaning.

Notes:

- * Do not place WINBOT too close to the edge of the window. It is recommended to keep a distance of at least 10cm from the edge of the window.
- * WINBOT is only suitable for flat surfaces without gaps.
- * After the fan is started, do not bring small objects such as hair close to the fan to prevent them from being sucked in and blocking the fan.
- * Before cleaning, please observe the area to attach WINBOT for any small particles. If there are any, please remove them or switch to a particle-free area to avoid scratching the glass.



3 Switch Modes

When WINBOT is working, you can switch cleaning modes by pressing Mode Switching button on the Station. After switching the modes, WINBOT will start the new cleaning mode immediately.

Note:

Press Mode Switching button to switch between Thorough Cleaning, Fast Cleaning, and Edge Cleaning in sequence. To learn and use more modes, refer to ECOVACS HOME App.

Select Cleaning Modes

Select the proper cleaning modes via buttons on the Station. If no mode is selected, WINBOT follows the last remembered mode by default.

Suggested Modes:

For moderately dirty interior windows, use Fast Cleaning.

For heavily soiled exterior windows, use Thorough Cleaning.

For detailed information on cleaning modes, please refer to the app.

* Edge Cleaning is not remembered. Thorough Cleaning is the default cleaning mode.

4 Pause Operation and Move Station

Pause

Short press the Power button on the Station to pause WINBOT's current work. Short press the Power button on the Station again to have WINBOT resume and continue the unfinished cleaning task.

Move the Station:

During cleaning, if you need to relocate the station, firmly grip the handle of the Station, lift it, and the Station's Suction Cup will automatically unlock. If you release the handle and it drops back down, the Station will automatically reattach to the surface and lock.

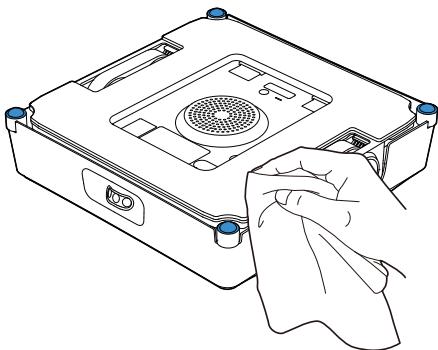
Note:

Before use, ensure there are no walls or other obstacles such as furniture within a 10 cm radius of the Station. This allows the handle to naturally drop to its lowest point. If the handle is obstructed from

fully dropping down, it will reduce the Suction Cup's ability to attach securely.

5 Maintenance during Cleaning

For heavily stained glass, wash or replace the Wiping Pad multiple times and clean the four Spherical Sensors in time.



* Clean the Wiping Pad in time and make sure that any small particles on it are completely removed to avoid scratching the glass.

6 Finish Cleaning

Finish Cleaning When WINBOT is Working

1. Press and hold  for 2 seconds or more, then WINBOT will immediately halt its current task, return to its Initial Spot, and wait to be removed.
2. Press and hold the  on WINBOT for 2 seconds or more to stop the fan. Then, take WINBOT off according to voice prompts.

Finish Cleaning when Cleaning Task is Completed

After finishing the cleaning task, WINBOT will automatically return to its Initial Spot and wait to be removed.

Press and hold  on WINBOT for 2 seconds or more to stop the fan. Then, remove WINBOT according to voice prompts.

* When removing WINBOT, firmly grasp its handle to prevent accident falling.

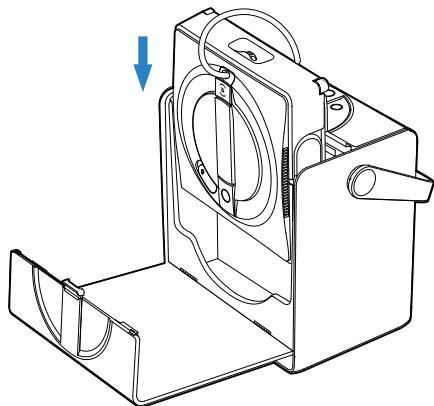
Storage

Steps:

1. Store WINBOT

Place WINBOT with its front facing outward and the Compound Cable exit end facing upward. Then, insert WINBOT from top to bottom into the container. Ensure that WINBOT hangs on the hooks

* When storing WINBOT, remove the wet Wiping Pad. Store the Wiping Pad after it is dried to avoid any unpleasant odors.

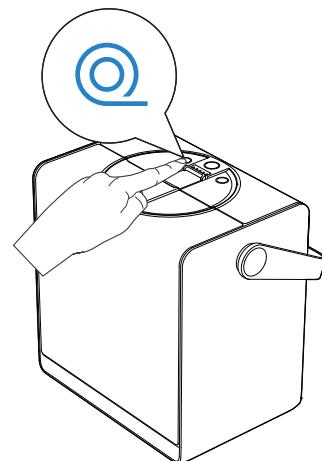


2. Auto Take up the Compound Cable

After placing WINBOT in the container, press  , and the Station will immediately start reeling in the Compound Cable .

* As the reeling-in process nears completion, the reeling-in speed slows until the cable is fully reeled in. This is a normal occurrence.

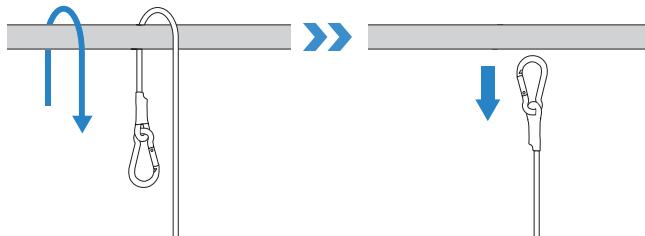
* During the reeling-in process, the Compound Cable may become twisted. Do not worry and help straighten it. Then press  again to complete the reeling-in process.



3. Power Off

Press and hold  on the Station for 2 seconds and more to power WINBOT off.

4. Unfasten the Safety Rope



5. Charge the Station

Place the Station near a power outlet and connect it to the power source. The charging time is approximately 3 hours at room temperature.

6. Store the Station

Station should be stored in a dry environment to prevent moisture affecting the battery and motherboard.

Notes:

1. Charging speed may slow down in low temperatures.
2. WINBOT and its Station are suitable for use in temperatures ranging from 0° C to 40° C. Do not charge the Station in temperatures outside this range.
3. The WINBOT fan cannot operate while charging. Please wait until the charging is complete before using the WINBOT.
4. WINBOT's fan cannot operate while charging. Please use WINBOT after charging is completed.

5. If you do not use WINBOT for an extended period, it is recommended to periodically charge the Station to help maintain its battery health.

6. If the Station is charging while WINBOT is working, the Station's charging speed will be significantly slower compared to when WINBOT is idle. At room temperature (10-40°C), this results in an estimated charging time of more than 6 hours.

Advanced Features

To enjoy all available features, it is recommended to control your WINBOT via the ECOVACS HOME App.

a. Multiple Cleaning Modes

Thorough Cleaning: A denser cleaning path with edge cleaning for thorough and complete cleaning.

Deep Cleaning: A dense cleaning path for removing heavy dirt.

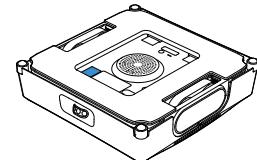
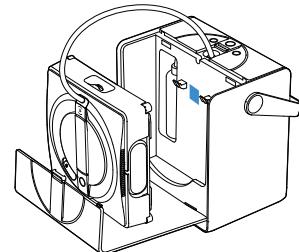
Fast Cleaning: Fast cleaning for removing light dirt.

Edge Cleaning: Dedicated edge cleaning for clearing residue in corners and edges.

Split Zone Cleaning: Left and right partitioning, suitable for larger glass surfaces (supports up to 8 meters in width, with windows on both sides).

Heavy-Duty Cleaning: Segmented wiping, efficiently removes heavy dust, suitable for large areas with high dust accumulation.

- ① Scan the QR code on the Station or at the bottom of WINBOT to download and install the ECOVACS HOME App.
- ② Open ECOVACS HOME App to scan the QR code on the Station and follow the wizard to connect WINBOT.



Troubleshooting

Do not panic when WINBOT alarms. Go to app for a comprehensive troubleshooting guide.

c. Omni-directional Navigation

In the app, you can use the round D-pad to control WINBOT. This feature supports WINBOT navigation from both the front and bottom view; 360° navigation, spot cleaning, and manual water spraying.



OR



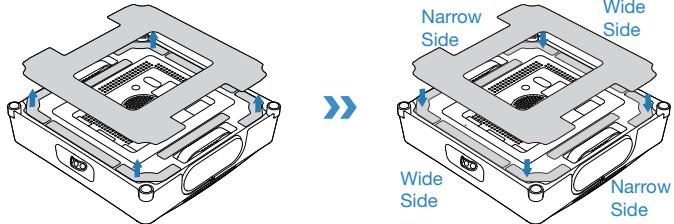
Maintenance

Wiping Pad

a. Replace the Wiping Pad

Remove the dirty Wiping Pad and place a clean new one on WINBOT. Then, press the Wiping Pad to help it stick firmly. Make sure the Wiping Pad is correctly attached.

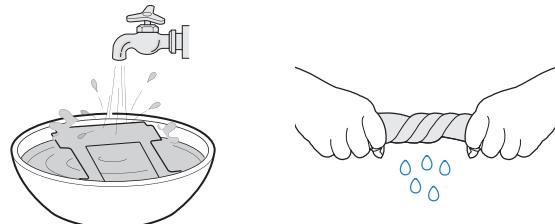
* Make sure Wiping Pad does not cover the Spherical Sensors.



If velcro is dirty, clean it with a brush. Avoid washing the Velcro to prevent water from entering the WINBOT and causing damage.

b. Wash the Wiping Pad

Remove the Wiping Pad. Wash it with tap water, and wring water out before use.



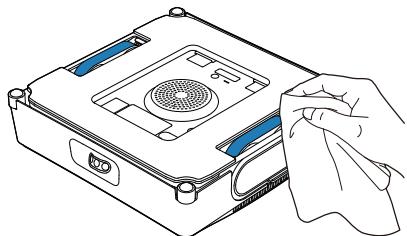
* Washing the Wiping Pad regularly can extend its service life.

If the Wiping Pad is worn or cannot adhere closely with the Velcro, replace it with a new one for optimal cleaning performance.

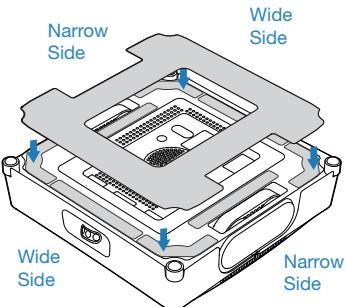
Explore more accessories at ECOVACS HOME App or at <https://www.ecovacs.com/global>.

Driving Wheel Tracks

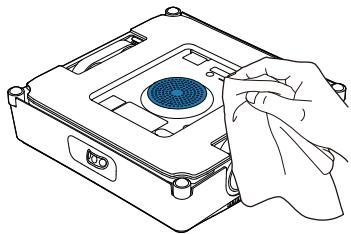
Before cleaning, ensure fan is not working. Control WINBOT via the ECOVACS HOME App and check the Driving Wheel Tracks. If stains are found, pause and clean the tracks with a clean cloth.



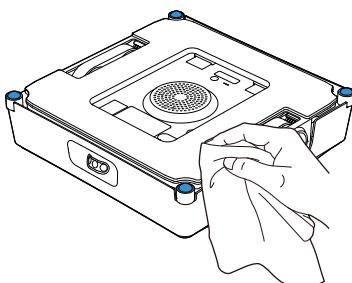
After Driving Wheel Tracks are cleaned, install the Wiping Pad and continue cleaning.



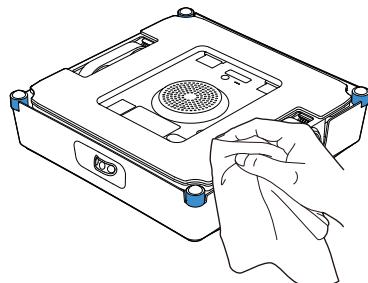
Fan



Spherical Sensors



Side Rollers



Troubleshooting

No.	Malfunction	Possible Causes	Solutions
1	WINBOT moves in an irregular pattern during cleaning.	Wiping Pad is too wet.	Replace the Wiping Pad as described in Maintenance.
		WINBOT has cleaned unrecommended stains, such as grease.	Replace the Driving Wheel Tracks as described in Maintenance.
2	Voice prompt: "Not enough air pressure."	Wiping Pad is attached improperly.	Remove the Wiping Pad and reattach it.
		There are gaps or cracks on the window surface.	Do not use WINBOT on windows with gaps or cracks.
		There are low obstacles on the window surface.	Cover the obstacles with your hand.
3	Voice prompt: "WINBOT is trapped."	Driving Wheel Tracks are stuck.	Check if there is any dust or debris on the Driving Wheel Tracks. If so, clean them as described in Maintenance. If the problem persists, contact Customer Service.
		There are low obstacles on the window surface.	Currently, WINBOT cannot detect obstacles or window frames lower than 4m,m. Help WINBOT navigate via the app.
4	WINBOT does not spray.	No ECOVACS WINBOT Cleaning Solution in the Water Tank.	Add ECOVACS WINBOT cleaning solution.
		Auto Spray is disabled.	Enable Auto Spray via the app.
		Insufficient ECOVACS WINBOT Cleaning Solution	1. Turn WINBOT off. Then, restart and reattach WINBOT. 2. If the problem persists, go to the app for solutions or contact Customer Service.

No.	Malfunction	Possible Causes	Solutions
5	Voice prompt: "WINBOT encountered an obstruction."	Components malfunction	Hold the Compound Cable tightly, pull WINBOT back, long press Start button for 2 seconds to take WINBOT off. Please be sure not to stand directly beneath WINBOT to prevent being hit by its accidental falling. Power off and then restart WINBOT. If the problem persists, contact the Customer Service.
6	WINBOT cannot be take off as it does not return to Initial Spot.	Algorithmic error	Due to algorithmic error, WINBOT may deviate significantly from its Initial Spot, making it difficult to take WINBOT off. Control WINBOT via the app to a more accessible location.
		WINBOT loses track of the Initial Spot when manual control or mode switching is initiated immediately after its attachment.	Control WINBOT to a more accessible location via the app.
7	Voice prompt: "Avoid window edges."	When cleaning frameless glass, WINBOT's attachment location is too close to the window frame.	Hold WINBOT's handle, long press Start button for 2 seconds, and take WINBOT off. Reattach WINBOT. The attachment location should be at least 10 cm away from window frames.

App Connection

Before connection, make sure WINBOT and the mobile phone meet the following requirements:

1. The Bluetooth of the mobile phone is turned on.
2. The WINBOT power switch has been turned on and the indicator light has been lit.
3. Please pair WINBOT in ECOVACS HOME App instead of the phone setting.
4. Co-frequency interference might occur between Bluetooth and Wi-Fi. It is recommended to keep WINBOT close to the mobile phone and distant from the Wi-Fi router during pairing.
5. If the connection failed, please try to disconnect other Bluetooth devices, make sure WINBOT is not connected to other mobile phones, and try again.
6. Bluetooth may be disconnected if WINBOT is too distant from the phone. Try to reconnect at a short distance.
7. For using WINBOT, you need to allow ECOVACS HOME App to obtain access to the location, Bluetooth, and mobile phone storage.

If the problems persist after trying the above methods, please contact customer service.

Technical Specifications

Model	WG851-11		
Rated Input	24V === 4A	Rated Power	126W
Power Adaptor	BLJ96W240400P-V		
Input	230V~50Hz 2A	Output	24V === 4A
Station Dimensions (mm)	312*215*327		
WINBOT Dimensions (mm)	271*271*77		
Off/Standby Mode Power	Less than 0.50W		
Frequency Bands	2400-2483.5 MHz		

Output power of the wireless module is less than 100 mW.

Note: Technical and design specifications may be changed for continues product improvement.