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ECOVACS W2M

ECOVACS Winbot W2 Omni User Manual

MODEL: W2M

Product Overview

The ECOVACS Winbot W2 Omni is a cutting-edge portable window cleaning robot designed to simplify window maintenance. It features an all-in-one multi-purpose station that acts as a control panel, charger, stabilizer, and portable storage. Equipped with a high-capacity lithium battery, it allows for continuous cleaning even in areas without direct power outlets, providing up to 110 minutes of operation, covering approximately 55 square meters.

This intelligent robot utilizes Win SLAM 4.0 Path Planning for efficient navigation and deep edge cleaning, improving edge cleanliness by 65%. Its fully upgraded three-nozzle wide-angle spray atomization technology, combined with a wet mop, effectively dissolves stubborn dirt with 100% increased water pressure and 90% increased spray coverage compared to previous models. The Winbot W2 Omni also boasts a 12-stage protection system for enhanced safety and peace of mind during operation.

Key Features

- **Portable Station:** The first-ever robotic window cleaner with a portable station, offering an all-in-one solution for control, charging, stability, and storage.
- **Battery-Powered Operation:** Built-in high-capacity lithium battery provides 110 minutes of continuous power, ideal for areas without power outlets.
- **Intelligent Cleaning:** Multiple sensors ensure uninterrupted cleaning, bypassing obstacles and preventing jamming.
- **Enhanced Edge Cleaning:** Special along-the-edge mode improves window edge cleanliness by 65%.
- **12-Stage Protection System:** Comprehensive hardware and software support for the highest level of safety.
- **Three-Nozzle Wide-Angle Spray:** Fully upgraded atomization technology with wet mop for efficient dirt dissolution and stain removal.
- **Unbeatable Cleaning Efficiency:** 30% boost in total cleaning efficiency thanks to brushless motor and WIN-SLAM 4.0 Intelligent Planning algorithm.
- **5 Cleaning Modes:** Users can select various cleaning modes via the intuitive station panel or ECOVACS HOME app.
- **Intelligent Climbing System:** Upgraded synchronous belt resistant to water and friction ensures

stability and prevents slippage.

Setup Guide

1. Unboxing and Components

Carefully remove all components from the packaging. Ensure you have the OMNI Station, ECOVACS WINBOT robot, Controller, and at least one Wiping Pad.



Image: The ECOVACS Winbot W2 Omni robot and its portable station, ready for setup.

2. Charging the Portable Station

Before first use, fully charge the portable station. Connect the power cable to the station and a power outlet. The built-in high-capacity lithium battery provides continuous power for the WINBOT W2 OMNI, enabling window cleaning in areas without access to power outlets.

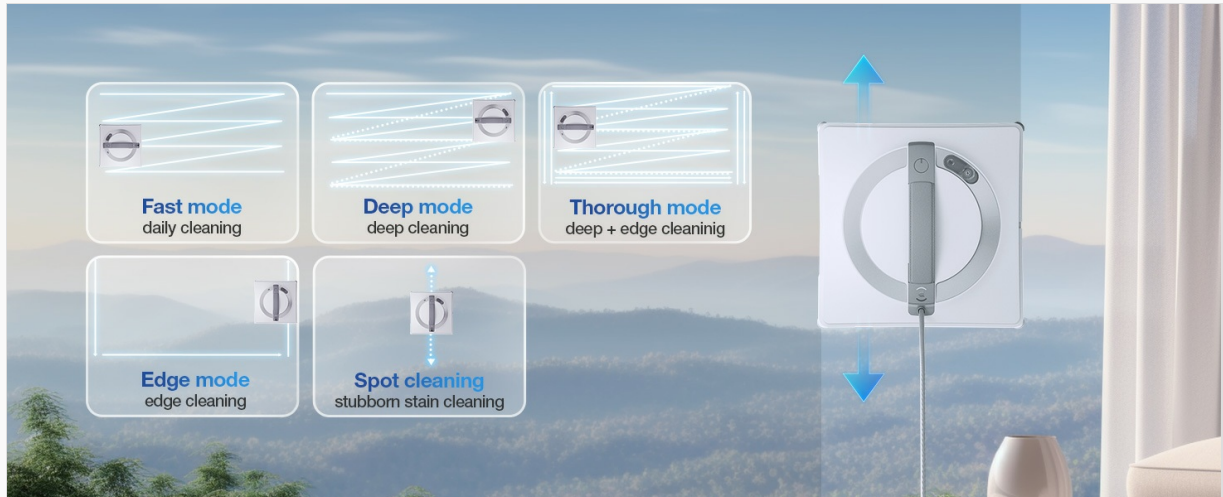


Image: The portable station with its power cable, illustrating how it connects for charging.

3. Filling the Cleaning Solution

Open the water tank on the WINBOT robot. Fill it with clean water or the recommended ECOVACS WINBOT cleaning solution. The three-nozzle wide-angle spray atomization technology ensures efficient and effective cleaning.

Video: Demonstrates the process of filling the cleaning solution into the Winbot W2 Omni robot.

4. Attaching Cleaning Pads

Securely attach the microfiber cleaning pads to the bottom of the WINBOT robot. Ensure they are properly aligned for optimal cleaning performance.

Clean Different Stains with Strong Effect



Image: A close-up side view of the Winbot W2 Omni, highlighting the attachment points for the cleaning pads.

Operating Instructions

1. Placing the Robot

Place the WINBOT robot onto the window surface. Ensure the safety rope is securely attached to the portable station and the station is placed on a stable, flat surface. The robot will automatically adhere to the glass using its suction power.

Video: Shows the Winbot W2 Omni being placed on a window and beginning its cleaning cycle.

2. Selecting Cleaning Modes

The WINBOT W2 Omni offers 5 cleaning modes to suit various needs. You can select your desired mode

using the intuitive station panel or the ECOVACS HOME app:

- **Fast Cleaning:** For quick daily cleaning.
- **Deep Cleaning:** For thorough cleaning of heavily soiled windows.
- **Thorough Cleaning:** Combines deep cleaning with enhanced edge cleaning.
- **Edge Cleaning:** Focuses specifically on cleaning window edges.
- **Spot Cleaning:** For concentrated cleaning of stubborn stains.

12-tier Protection System

From basic mechanical design to insurance
Guards your peace of mind



Image: A visual representation of the five distinct cleaning modes available on the Winbot W2 Omni.

3. Using the Portable Station and App Control

The portable station features a multifunction panel for easy control. You can power on/off, start/pause cleaning, and switch cleaning modes directly from the station. For advanced control and monitoring, download the ECOVACS HOME app on your smartphone. The app allows you to steer the robot, select specific cleaning areas, and access additional settings.

Intelligent Path Planning Cleaning efficiency improved

Cleaning efficiency: 2min/m²

11 cm/s
Moving speed

30%
Cleaning efficiency
increased
(compared to W1 Pro)



Image: A detailed view of the portable station's control panel, showing power, mode selection, and cable retraction buttons.

4. Safety Precautions

The Winbot W2 Omni is designed with a 12-stage protection system to ensure safe operation. Always ensure the safety rope is securely fastened to the portable station and the station is stable. The robot features intelligent climbing and anti-fall mechanisms. In the unlikely event of any malfunction, the insurance protection offers financial security.

Industry Leading Edge Cleaning Mode

Enabling the windows to be cleaned
thoroughly in all aspects



Image: An illustration highlighting the comprehensive 12-tier protection system integrated into the Winbot W2 Omni for user safety.

Maintenance

1. Cleaning Microfiber Pads

After each cleaning session, remove the microfiber pads from the robot. Wash them thoroughly with water and mild detergent. Allow them to air dry completely before reattaching or storing.

Video: Shows the removal and cleaning process of the microfiber pads from the Winbot W2 Omni.

2. Storing the Robot

Once cleaning is complete and pads are dry, store the WINBOT robot securely within its portable station.

The station is designed for convenient and compact storage, keeping all components organized and protected.

One WINBOT for All Windows



Floor-to-ceiling windows



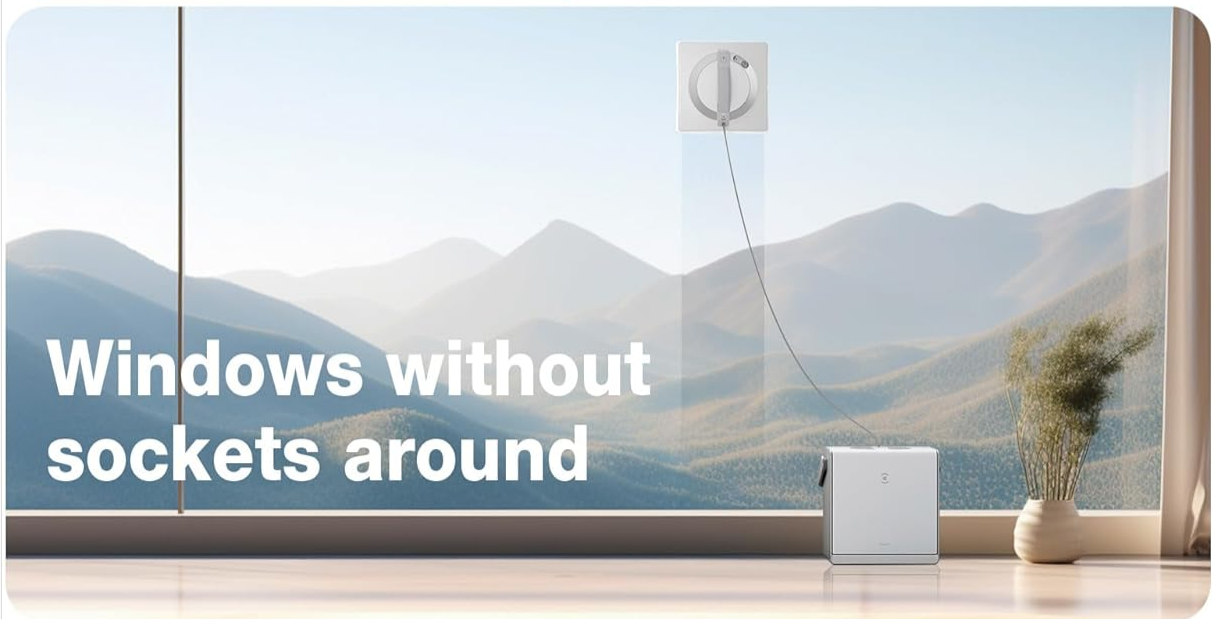
Small sized windows



Tilting windows



Frameless windows



Windows without sockets around

Image: The Winbot W2 Omni robot neatly stored inside its portable station, ready for transport or storage.

Troubleshooting

- **Robot not attaching or losing suction:** Ensure the window surface is clean and dry. Check that the cleaning pads are properly attached and not overly saturated. Verify the portable station is stable and the safety rope is taut.
- **Streaks left on window:** This can occur if the cleaning pads are dirty, the solution is too concentrated, or the window is extremely dirty and requires a pre-clean. Clean the pads, dilute the solution if necessary, or run a dry pass after a wet pass.
- **Robot not moving or responding:** Check the battery level of the portable station. Ensure the robot

is properly connected to the station via the cable. Restart the robot and the station.

- **Cable management issues:** Ensure the automatic cable retractor is functioning correctly. Avoid tangling the cable during operation by keeping the station close to the cleaning area.

Specifications

Attribute	Value
Product Dimensions	8.46 x 12.87 x 12.28 inches
Item Weight	15.34 pounds
Manufacturer	ECOVACS
ASIN	B0CZ3H2WSS
Country of Origin	China
Item model number	W2M
Batteries	1 Lithium Ion batteries required. (included)
Form Factor	Robotic
Batteries required	Yes
Included Components	OMNI Station*1, ECOVACS WINBOT *1, Controller*1, Number of Wiping Pad*1
Brand	ECOVACS
Surface Recommendation	Glass, mirror
Special Feature	12-Stage Protection for Added Peace-of-Mind, Edge Cleaning, Window Cleaner, Anti-Fall
Number of Items	1

Warranty & Support

For warranty information and technical support, please refer to the documentation included with your ECOVACS Winbot W2 Omni or visit the official ECOVACS website. You can also contact ECOVACS customer service for assistance with product setup, operation, maintenance, or troubleshooting.