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eufy Omni S1 Pro (T2080)

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Model: Omni S1 Pro (T2080)

Brand: eufy

INTRODUCTION

Welcome to the user manual for your eufy Robot Vacuum Omni S1 Pro. This advanced robotic vacuum and mop combo is designed to provide a comprehensive and hands-free cleaning experience for your home. Featuring the groundbreaking HydroJet System, an innovative 10-in-1 UniClean Station, and powerful 8,000 Pa suction, the Omni S1 Pro ensures thorough cleaning on various floor types.

Its intelligent navigation, obstacle avoidance, and corner-to-edge cleaning capabilities make it an efficient and reliable addition to your smart home. Please read this manual carefully to understand the product's features, setup, operation, and maintenance procedures to ensure optimal performance and longevity.





The eufy Robot Vacuum Omni S1 Pro with its UniClean Station and companion mobile application.

WHAT'S IN THE BOX

Upon unboxing your eufy Robot Vacuum Omni S1 Pro, please ensure all the following components are present:

- 1 x 10-in-1 UniClean Station
- 1 x Robotic vacuum cleaner
- 2 sets Side brush
- 1 x Rolling mop
- 1 x Dust bag
- 1 x Safety book
- 1 x Hard Floor Cleaner
- 1 x Additional Rolling Mop
- 1 x Additional High-Performance Filter

- 1 x Additional Dust Bag
- 1 x Cleaning Tool
- 1 x Power Cord

Using eufy S1 Pro on Multiple Floors: Key Points

Single Sweep Mode:

- S1 Pro supports positioning, mapping, and cleaning on multiple floors.
- Without a base station, it returns to its starting point after cleaning.

Mopping and Sweeping Mode:

- Wet the mop at the base station, simply open the eufy Clean app and go to the device homepage. Tap the base station icon at the bottom right, then select "Wash Mop" to clean the mop.
- Move S1 Pro to different floors for positioning, mapping, and cleaning.
- On new floors without a base station, manually return S1 Pro to the base for mop cleaning and drying.

Clean Water Reservoir Capacity:

- Soft Mode: Cleans up to 1291.7 sq ft.
- Deep Mode: Cleans up to 322.92 sq ft.

Important Notes:

- S1 Pro requires a base station for dust collection and mop washing.
- Positioning errors may occur when changing floors; click "Continue Task" to proceed.
- Additional base stations can be purchased and must be paired individually.
- For more details, refer to the knowledge base or contact eufy support.

All included components of the eufy Robot Vacuum Omni S1 Pro package.

SETUP

Follow these steps for the initial setup of your eufy Robot Vacuum Omni S1 Pro:

1. **Placement:** Position the UniClean Station on a hard, flat surface against a wall, ensuring adequate clear space around it for the robot to dock.
2. **Power Connection:** Connect the power cord to the UniClean Station and plug it into a wall outlet.
3. **Robot Preparation:** Remove all packaging materials from the robot vacuum. Snap the rotating side brushes into place.
4. **Water Tanks:** Fill the clean water tank with tap water and, if desired, the recommended eufy hard floor cleaner. Ensure the dirty water tank is empty.
5. **Initial Charge:** Place the robot onto the UniClean Station to begin charging. Ensure the robot is properly aligned with the charging contacts.
6. **App Download:** Download the "eufy Clean" app from your smartphone's app store.
7. **Network Connection:** Open the eufy Clean app and follow the on-screen instructions to connect your robot vacuum to your home Wi-Fi network. *Note: The robot vacuum supports only a 2.4GHz Wi-Fi frequency band. Ensure your router is configured to support this frequency.*
8. **Mapping:** Once connected, initiate the mapping process through the app. The robot will quickly navigate your home to create a detailed map for efficient cleaning.

Important Tip: Always remove the water tank from the UniClean Station before attempting to flip the unit over for maintenance or cleaning to prevent spills or potential damage.

OPERATING INSTRUCTIONS

The eufy Robot Vacuum Omni S1 Pro offers a variety of features and modes to customize your cleaning experience:

HydroJet System and Mopping

The revolutionary HydroJet System ensures superior mopping performance:

- **Always Clean Mop Combo:** The 11.4-inch mop refreshes itself in real-time at 170 RPM, ensuring continuous cleanliness by removing even invisible dirt.
- **Downward Pressure:** Applies 1 kg of downward pressure, mimicking meticulous hand scrubbing for effective removal of stubborn stains.
- **Dual Water Reservoir:** Equipped with a dual water reservoir for clean and dirty water management.

Clean Beyond Clean

Groundbreaking HydroJet System



Real-time
Self-clean



Downward
Pressure



Longest
Ever Mop



Dual Water
Reservoir



The HydroJet System ensures a clean mop throughout the cleaning cycle.

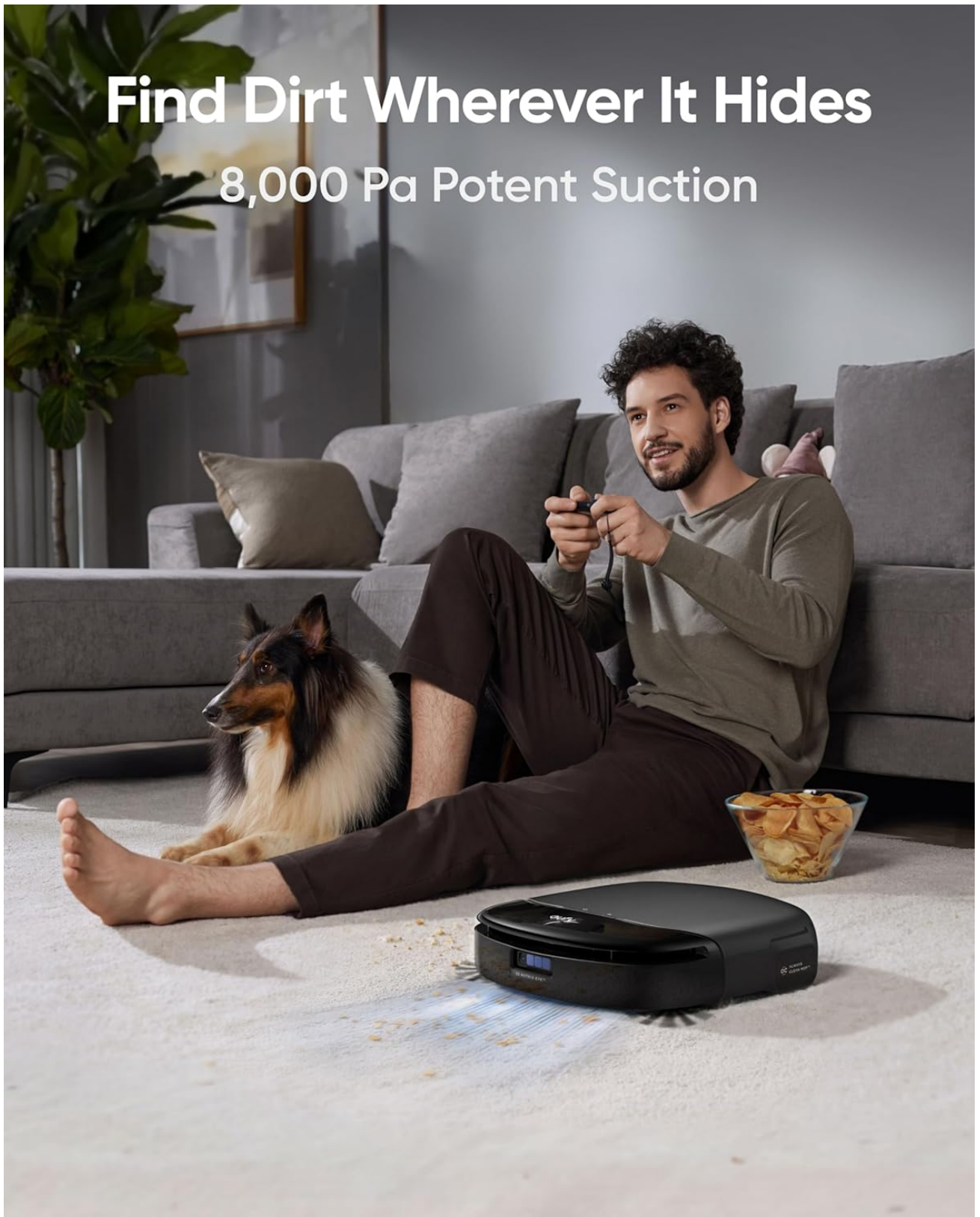
Powerful Suction

With 8,000 Pa of potent suction, the Omni S1 Pro effectively removes hair and deep-seated dirt from both carpets

and hard floors. Actual performance may vary based on floor type and dust level.

Find Dirt Wherever It Hides

8,000 Pa Potent Suction



The robot vacuum demonstrating its powerful suction on a carpeted surface.

Corner-to-Edge Cleaning

The sleek square design of the S1 Pro allows it to reach hard-to-access areas, ensuring a thorough deep clean along edges and in corners.

Corner-To-Edge Clean

Sleek Square Design



The square design of the S1 Pro allows for effective cleaning in corners and along edges.

3D MatrixEye Obstacle Avoidance

Equipped with active binocular infrared imaging technology and an RGB camera, the S1 Pro mimics human vision to create real-time 3D models. This enables it to effortlessly navigate around obstacles of varying shapes and sizes, including moving objects and small items like toys, ensuring a smooth cleaning experience even in low-light conditions.

Clean, Even in the Dark

3D MatrixEye Obstacle Avoidance

300K
Voxels

750×
More Precise Navigation



The 3D MatrixEye system provides precise navigation and obstacle avoidance.

Mapping and Navigation

- **TrueCourse Mapping:** Utilizes advanced dToF LIDAR technology, also used in NASA's Mars Landing project, to create real-time 3D maps for precise navigation.
- **Multi-Level Mapping:** Efficiently develops detailed maps and smart routes for each level of your home, storing multi-level maps for rapid and comprehensive cleaning.
- **Optimized Cleaning Routes:** The S1 Pro uses smart zigzag routes and completes thorough edge cleaning, leaving no debris behind.

Customized Cleaning via App

The eufy Clean app provides extensive customization options:

- **Customized Clean:** Unlock a personalized cleaning experience with easy access through the app.
- **Customized Modes:** Tailor vacuum and mop modes to your specific needs, whether it's a quick clean or a thorough sweep, with adjustable settings.
- **No-Go Zones:** Designate specific areas as No-Go Zones to prevent the S1 Pro from entering. If not set, the robot can smartly navigate around obstacles for greater coverage.



The eufy Clean app allows for customized cleaning and map management.

Additional Operational Features

- **Smart Voice Control:** Command your S1 Pro hands-free using voice control with compatible devices like Amazon Echo and Google Home.
- **Threshold Climbing:** The robot can effortlessly overcome thresholds up to 0.79 inches high, ensuring greater cleaning coverage across different rooms.
- **Recharge and Resume:** When the battery runs low, the S1 Pro automatically returns to its station for recharging and then resumes cleaning from where it left off.
- **Extended Runtime:** Enjoy a maximum runtime of up to 3.6 hours, allowing the S1 Pro to cover approximately 1,976 sq ft areas on a single charge.
- **Single Sweep Mode:** Supports positioning, mapping, and cleaning on multiple floors. The robot returns to its starting point after cleaning.
- **Multi-Floor Operation:** For new floors without a base station, manually return the S1 Pro to the base for mop cleaning and drying.

MAINTENANCE

Regular maintenance of your eufy Robot Vacuum Omni S1 Pro and its UniClean Station is crucial for optimal performance:

10-in-1 UniClean Station Features

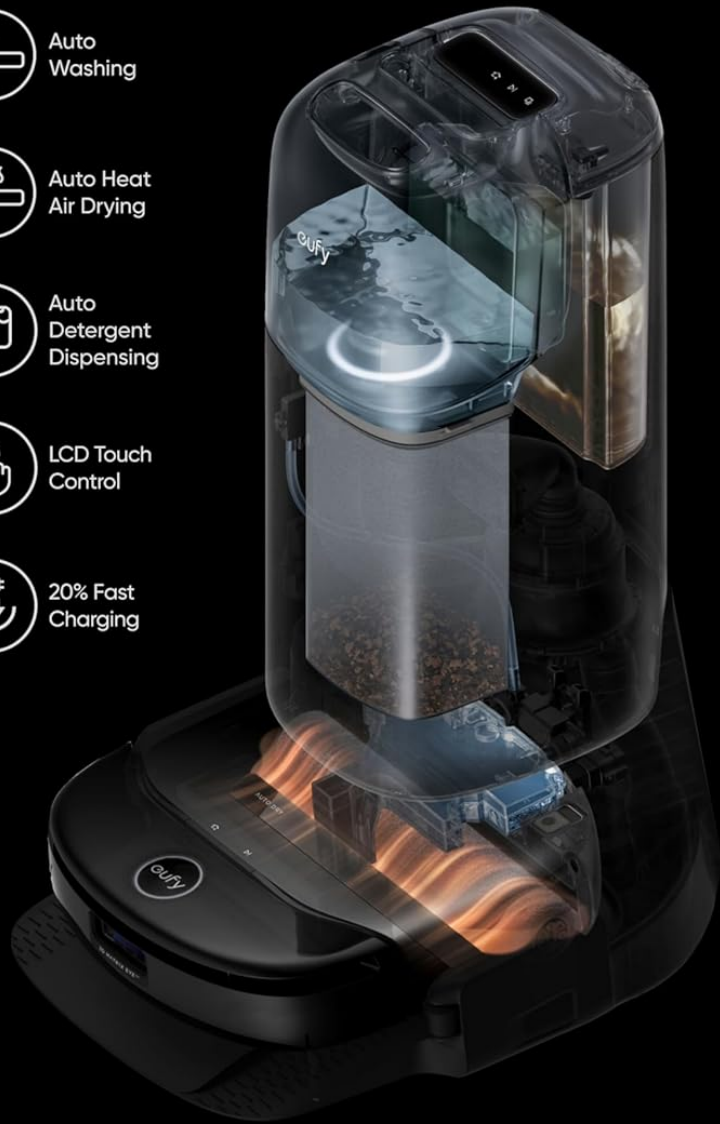
The UniClean Station automates much of the maintenance process:

- **Auto Emptying:** Collects and stores dust and debris in a 2.5 L sealed dust bag for up to 68 days of hands-free cleaning.
- **Auto Washing:** Revitalizes the rolling mop with a mix of ozonated water and hard floor cleaner, removing invisible dirt.
- **Auto Refilling:** Automatically refills the robot's clean water tank with a mix of hard floor cleaner and ozonated water, requiring no manual dilution.
- **Auto Heated Air Drying:** 131°F (55°C) hot air dries the rolling mop after washing, ensuring it remains dry and clean after each use.
- **Eco-Clean Ozone:** Produces ozonated water using tap water for deep cleaning, removing even invisible contaminants.
- **Auto Detergent Dispensing:** Automatically mixes the ideal amount of hard floor cleaner with clean water before mopping.
- **Auto Waste Water Collection:** Automatically transfers waste water from the robot to the station, keeping your hands clean.
- **Sealed Dust Bag:** The sealed design of the dust bag effectively prevents invisible dirt accumulation.

10-in-1 UniClean Station

For Hassle-Free Cleaning

- Auto Emptying
- Auto Refilling
- Eco-Clean Ozone™
- Auto Waste Water Collection
- Anti-Bacterial Dust Bag
- Auto Washing
- Auto Heat Air Drying
- Auto Detergent Dispensing
- LCD Touch Control
- 20% Fast Charging



The UniClean Station provides comprehensive automated maintenance.

Cleaning Solution Usage

It is highly recommended to use eufy's dedicated cleaning solution with the S1 Pro. Arbitrarily adding other cleaning liquids is not recommended as some solutions can be corrosive, potentially damaging the robot's internal structure, or cause sensor misreadings due to high foaming, affecting the robot's operation. eufy's cleaning solution has undergone rigorous reliability and non-toxicity testing.

TROUBLESHOOTING

This section addresses common issues and provides solutions for your eufy Robot Vacuum Omni S1 Pro.

Obstacle Detection and Height Sensitivity

The S1 Pro detects obstacles down to 1 inch. To optimize performance:

- **Clear Small Items:** Clear smaller items from the cleaning path beforehand.
- **Small Object Less Collision Mode:** For pet hair or fine debris, consider disabling 'Small Object Less Collision Mode' via the eufy Clean app (Settings > Robot Settings).
- **Height Detection Sensitivity:** Adjust this setting in the eufy Clean app (Settings > Robot Settings > Height Sensitivity). Available modes include:
 - **Safe Mode:** Tailored for low furniture to avoid getting stuck.
 - **Medium Mode:** Balances obstacle avoidance with thorough exploration.
 - **Free Mode:** Explores extensively, keeping under-furniture items scratch-free and preventing the robot from getting stuck.

Effective Cleaning on Carpeted Areas During Mopping

The S1 Pro is designed to handle carpeted areas intelligently:

- **Carpet Detection Technology:** Equipped with sensors, the S1 Pro detects carpets and automatically lifts the rolling mop to avoid wetting the carpet during mopping.
- **Customizable No-Go Zones:** For carpets with a pile height exceeding 0.79 inches, long-pile carpets with fibers longer than 0.47 inches, or those that are particularly light and thin, create no-go zones within the app. This prevents the robot from getting trapped or tangled in carpet fibers.
- **Carpet Edge Management:** If your carpet edges tend to curl, flatten, or secure them to ensure smooth navigation for S1 Pro.
- **Avoidance of Dark or Reflective Surfaces:** Remove black or highly reflective objects near thresholds to prevent confusion in the robot's navigation system.
- **No-Mop Zones:** Designate no-mop zones in areas where the mop might not lift in time, ensuring areas like rubber pads remain dry.

By following these guidelines, you can optimize your S1 Pro's mopping performance and maintain the cleanliness of both your hard floors and carpeted areas without manual intervention.

SPECIFICATIONS

Feature	Detail
Brand	eufy
Model Name	eufy Robot Vacuum Omni S1 Pro
Item Model Number	T2080
Special Features	8,000 Pa Potent Suction, 10-in-1 UniClean Station, Always Clean Mop Combo, Precision Corner to Edge Clean, 3D MatrixEye Obstacle Avoidance
Color	Black
Product Dimensions	18.39"L x 15.08"W x 26.38"H (UniClean Station)
Item Weight	30.4 pounds
Filter Type	Washable
Battery Life	136 minutes (robot)
Cleaning Path Width	11.4 Inches (mop)
Capacity	2.5 Liters (dust bag)
Power Source	Battery Powered
Control Method	App
Compatible Devices	Smartphones, Amazon Echo, Google Home
Batteries Included	Yes (1 Lithium Ion battery required, included)

WARRANTY & SUPPORT

For detailed warranty information, please refer to the documentation included with your purchase or visit the official eufy website. eufy typically provides warranty coverage for manufacturing defects.

For technical support, troubleshooting assistance, or to purchase replacement parts and accessories, please utilize the eufy Clean app or visit the eufy support page on their official website. The app often provides in-context support videos and troubleshooting guides.

You can also find additional resources and contact information through the eufy Brand Store on Amazon.