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› ECOVACS DEEBOT T50 MAX PRO Omni Robot Vacuum and Mop User Manual

## ECOVACS T50 MAX PRO OMNI

# ECOVACS DEEBOT T50 MAX PRO Omni Robot Vacuum and Mop User Manual

Model: T50 MAX PRO OMNI | Brand: ECOVACS

## 1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your ECOVACS DEEBOT T50 MAX PRO Omni Robot Vacuum and Mop. This advanced cleaning system is designed to provide powerful, hands-free cleaning for various floor types, featuring high suction power, automatic mop lifting, and a versatile OMNI Station for automated maintenance.



Figure 1.1: The ECOVACS DEEBOT T50 MAX PRO Omni Robot Vacuum and Mop with its OMNI Station, demonstrating its integrated smart home capabilities via a smartphone and smartwatch.

## 2. SETUP GUIDE

### 2.1 Unboxing and Component Identification

Carefully remove all components from the packaging. Ensure all items listed in the packing list are present. The main components include the DEEBOT robot, the OMNI Station, power cord, and cleaning accessories.

### 2.2 OMNI Station Placement and Power Connection

Place the OMNI Station on a hard, level surface against a wall, ensuring there is at least 0.5 meters (1.6 feet) of clear space on both sides and 1.5 meters (4.9 feet) in front. Connect the power cord to the OMNI Station and plug it into a wall outlet. Ensure the station is in an area with good Wi-Fi signal.



Figure 2.1: The OMNI Station, showing its clean and dirty water tanks. Proper placement is crucial for optimal performance.

### 2.3 Initial Charging

Place the DEEBOT robot onto the OMNI Station. Ensure the charging contacts align. The robot will begin charging automatically. For first-time use, allow the robot to fully charge, which may take several hours.

### 2.4 ECOVACS HOME App Installation and Pairing

1. Download the "ECOVACS HOME" app from your mobile device's app store.
2. Open the app and create an account or log in.
3. Follow the in-app instructions to add your DEEBOT T50 MAX PRO Omni. This typically involves scanning a QR code on the robot or station and connecting to your home Wi-Fi network.

### 2.5 Initial Mapping

Once paired, initiate the Quick Mapping process through the ECOVACS HOME app. The robot will navigate your home to create a detailed map. Ensure all doors are open and clear any obstacles for an accurate map. This map is essential for efficient cleaning and advanced features like zone cleaning.

# Intuitive Cleaning Control



Figure 2.2: The ECOVACS HOME App interface, demonstrating map creation and control options for the DEEBOT T50 MAX PRO Omni.

## 3. OPERATION

### 3.1 Starting and Stopping Cleaning

- **Start:** Press the Auto Mode button on the robot or tap "Auto Clean" in the ECOVACS HOME app.
- **Pause:** Press the Auto Mode button again or tap "Pause" in the app.
- **Return to Station:** Press and hold the Auto Mode button for 3 seconds or tap "Return to Charge" in the app.

## 3.2 Cleaning Modes

The DEEBOT T50 MAX PRO Omni offers various cleaning modes accessible via the ECOVACS HOME app:

- **Auto Clean:** Default mode for general cleaning. The robot intelligently navigates and cleans the entire mapped area.
- **Area Clean:** Select specific rooms or areas on the map for targeted cleaning.
- **Custom Clean:** Draw a custom area on the map for the robot to clean.
- **Vacuum Only:** Disables mopping function, ideal for carpets.
- **Mop Only:** Disables vacuuming, ideal for hard floors requiring only mopping.
- **Vacuum & Mop:** Simultaneous vacuuming and mopping for comprehensive cleaning.

# Smart Clean for Every Surface

Mop & Vacuum in One Go



Deep Scrubbing, Effortless Shine



78%  
Stronger Carpet Cleaning\*

0.7-Inch Auto-Lift

\*Compared to DEEBOT T30.

Figure 3.1: The DEEBOT T50 MAX PRO Omni performing a mop and vacuum cycle, highlighting its ability to lift the mop pads when transitioning to carpets.

### 3.3 OMNI Station Functions

The 12-in-1 OMNI Station automates many maintenance tasks:

- **Auto-Emptying:** The robot automatically empties its dustbin into the station's sealed dust bag after each cleaning cycle.
- **Auto Mop Washing:** Mop pads are automatically washed with hot water (113°F) at the station during and after cleaning.

- **Hot Air Drying:** Mop pads are dried with 145°F hot air to prevent odors and mildew.
- **Auto Water Refill:** The robot's internal water tank is automatically refilled from the station's clean water tank.
- **Auto Cleaning Solution Adding:** The station automatically dispenses cleaning solution for optimal mopping.

## The 12-in-1 Station

- 1 Auto Cleaning Solution Adding
- 2 Auto Emptying
- 3 Auto Small-Tank Refill
- 4 Detachable Baseplate
- 5 Minimalist Design
- 6 145°F Hot Air Drying
- 7 Dirt Detection
- 8 Fast Charging
- 9 Off-Peak Charging
- 10 Water Shortage Reminder



Figure 3.2: Detailed diagram illustrating the 12-in-1 functions of the OMNI Station, including auto-emptying, mop washing, and hot air drying.

### 3.4 Navigation and Obstacle Avoidance

The DEEBOT T50 MAX PRO Omni utilizes AIVI 3D 3.0 obstacle avoidance and LiDAR mapping for precise navigation. It can identify and avoid over 100 common household objects, cables, and furniture, adapting its path for

uninterrupted cleaning. The TrueEdge 2.0 feature allows the robot to extend its side brush and mop for thorough edge and corner cleaning.



Figure 3.3: The DEEBOT T50 MAX PRO Omni demonstrating its AIVI 3D 3.0 obstacle avoidance technology, navigating around common household items.

### 3.5 Voice Control (YIKO-GPT AI)

The robot supports YIKO-GPT AI voice commands for hands-free control. After enabling the feature in the app, you can use phrases like "OK YIKO, start cleaning" or "OK YIKO, clean the kitchen." It is also compatible with Amazon Alexa and Google Assistant.

## 4. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your DEEBOT T50 MAX PRO Omni.

### 4.1 Dust Bag Replacement (OMNI Station)

The OMNI Station's dust bag should be replaced approximately every 90 days, or when the app indicates it is full. Open the dustbin compartment on the station, remove the full bag, and insert a new one.

### 4.2 Water Tank Cleaning (OMNI Station)

Regularly empty and rinse the dirty water tank. Refill the clean water tank with fresh water. For best results, use distilled or demineralized water to prevent mineral buildup.

### 4.3 Mop Pad Cleaning and Replacement

While the OMNI Station washes the mop pads, it is recommended to periodically remove and hand-wash them thoroughly or machine-wash them according to instructions. Replace mop pads every 3-6 months depending on usage.

### 4.4 Main Brush and Side Brush Cleaning (ZeroTangle 2.0)

Despite ZeroTangle 2.0 technology minimizing hair wraps, periodically check the main brush and side brushes for tangled hair or debris. Use the cleaning tool provided to cut and remove any entangled hair. Replace brushes if they show significant wear.

# No More Hair Wraps

## ZeroTangle 2.0 Technology



0% Tangling

Detachable Comb

Figure 4.1: The ZeroTangle 2.0 main brush and its detachable comb, designed to minimize hair tangles and simplify maintenance.

### 4.5 Sensor Cleaning

Wipe all sensors (anti-drop sensors, anti-collision sensors, and charging contacts) on the robot and OMNI Station with a clean, dry cloth. Dirty sensors can affect navigation and charging.

## 5. TROUBLESHOOTING

This section addresses common issues you might encounter with your DEEBOT T50 MAX PRO Omni.

Problem	Possible Cause	Solution
Robot does not start or respond.	Low battery; Power switch off; Robot stuck.	Charge the robot; Ensure power switch is ON; Clear obstacles.
Poor cleaning performance.	Full dustbin/dust bag; Dirty brushes; Clogged filter.	Empty dustbin/replace dust bag; Clean/replace brushes; Clean/replace filter.
Robot cannot find OMNI Station.	Station obstructed; Station unplugged; Robot too far.	Ensure clear space around station; Plug in station; Manually place robot near station.
App connectivity issues.	Weak Wi-Fi signal; Incorrect Wi-Fi password; Router issues.	Move station closer to router; Re-enter Wi-Fi password; Restart router and robot.
Mop pads not cleaning effectively.	Mop pads dirty/worn; Water tank empty; No cleaning solution.	Clean/replace mop pads; Refill clean water tank; Ensure cleaning solution is present.

For more detailed troubleshooting or persistent issues, refer to the ECOVACS HOME app or contact customer support.

## 6. SPECIFICATIONS

Feature	Detail
Model Name	T50 MAX PRO OMNI
Brand	ECOVACS
Suction Power	18,500Pa (BLAST Airflow Tech)
Mop Lift Height	18mm Auto-Lift
Navigation Technology	AIVI 3D 3.0 Obstacle Avoidance, LiDAR Mapping
Hair Tangle Prevention	ZeroTangle 2.0
Edge Cleaning	TrueEdge 2.0
OMNI Station Functions	Auto Mop Washing (Hot Water), Hot Air Drying, Self-Emptying, Auto Water Refill, Auto Cleaning Solution Adding
Runtime	Up to 3 hours
Battery Type	Lithium Ion
Product Dimensions (Robot)	Approx. 35.1 x 9.8 x 35.3 cm
Item Weight	Approx. 15.9 kg (Total)

Feature	Detail
Connectivity	Wi-Fi, ECOVACS HOME App, YIKO-GPT AI, Amazon Alexa, Google Assistant, Matter compatible (via OTA update)

## 7. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product packaging or visit the official ECOVACS website. Keep your proof of purchase for warranty claims.

If you require technical assistance, have questions about product features, or need to order replacement parts, please contact ECOVACS customer support through the ECOVACS HOME app or their official website. Provide your product model number (T50 MAX PRO OMNI) and ASIN (B0DRYS97S5) when contacting support for faster service.

You can find more information and support resources on the official ECOVACS website [www.ecovacs.com](http://www.ecovacs.com)