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ECOVACS T50 OMNI Gen1

ECOVACS DEEBOT T50 OMNI Robot Vacuum and Mop Cleaner User Manual

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your ECOVACS DEEBOT T50 OMNI Robot Vacuum and Mop Cleaner. Please read this manual thoroughly before using the product to ensure proper function and safety. Keep this manual for future reference.

PRODUCT OVERVIEW

The ECOVACS DEEBOT T50 OMNI is an advanced robotic cleaning system designed for comprehensive floor care, combining vacuuming and mopping functionalities. It features an all-in-one OMNI station for automated maintenance.



Image: The ECOVACS DEEBOT T50 OMNI robot and its accompanying OMNI station.

Key Features

- **Extendable Side Brush and Mop (TruEdge 2.0):** Innovative design allows the side brush and mopping pad to extend dynamically, reaching deep into corners and maintaining close proximity to edges for comprehensive coverage.
- **AIVI 3D 2.0 Obstacle Avoidance:** Utilizes structured infrared light patterns to detect three-dimensional object contours and depth information, enabling precise obstacle avoidance with customized strategies for various objects.
- **15,000 Pa Suction Power and ZeroTangle 2.0:** Delivers powerful suction to remove dirt and debris. ZeroTangle 2.0 technology, featuring triple-V structures, actively collects, lifts, and detangles hair, ensuring a 0% tangle rate.
- **All-in-One OMNI Station:** Provides advanced functionalities including automatic dust emptying, 45°C hot air drying for mop pads, bidirectional scraping, and 75°C hot water mop washing for automatic self-cleaning.
- **Ultra-thin 81mm Design:** The robot's slim profile, enabled by its integrated dToF LiDAR module, allows it to clean under low furniture and in hard-to-reach areas, enhancing cleaning coverage and efficiency.

- **YIKO Voice Assistant:** Supports multiple voice control scenarios, including multi-command conversations, remote control, and cleaning scheduling.

SETUP GUIDE

1. Unpacking and Placement

Carefully remove all components from the packaging. Select a suitable location for the OMNI station, ensuring it has clear space around it (approximately 0.5 meters on both sides and 1.5 meters in front) and is connected to a power outlet. The station should be placed on a hard, flat surface.



Image: Recommended placement of the OMNI station in a home environment.

2. Initial Charge

Place the DEEBOT onto the OMNI station to begin charging. Ensure the charging contacts on the robot align with those on the station. The indicator lights will confirm charging status. Allow the robot to fully charge before its first use.

3. App Download and Connection

Download the ECOVACS HOME app from your smartphone's app store. Follow the in-app instructions to connect your DEEBOT T50 OMNI to your home Wi-Fi network (2.4GHz recommended for initial setup) and complete the initial mapping process.

OPERATING INSTRUCTIONS

1. Cleaning Modes

The DEEBOT offers various cleaning modes accessible via the ECOVACS HOME app, including Auto Clean, Area Clean, and Custom Clean. Select the mode that best suits your cleaning needs.

2. Smart Navigation and Obstacle Avoidance

The DEEBOT uses TrueMapping 2.0 for efficient navigation and AIVI 3D 2.0 for obstacle avoidance. It creates a detailed map of your home, allowing for precise cleaning paths and recognition of objects to prevent collisions.

Rileva ed evita

Evitamento ostacoli AIVI 3D



Image: AIVI 3D 2.0 obstacle avoidance in action, detecting furniture.

Navigazione intelligente

TrueMapping 2.0



Image: TrueMapping 2.0 illustrating fast mapping and real-time path planning.

3. Edge and Corner Cleaning (TruEdge 2.0)

TruEdge 2.0 technology ensures thorough cleaning along walls and in corners. The extendable mop pad and side brush dynamically adjust to reach areas typically missed by standard robot vacuums.

Raggiungi ogni bordo e angolo

Tecnologia TruEdge 2.0



100%
di copertura

Gambe delle sedie



Sotto i mobili



Image: TruEdge 2.0 technology showing the extendable mop reaching into corners.

4. Suction and Mopping Performance

With 15,000 Pa suction power, the DEEBOT effectively removes dust and debris. The ZeroTangle 2.0 brush design minimizes hair tangles. The OZMO TURBO 2.0 mopping system uses rotating pads and automatic mop lifting to clean hard floors and avoid wetting carpets.

Niente grovigli di capelli niente pulizia delle spazzole

Tecnologia ZeroTangle 2.0



Image: DEEBOT T50 OMNI demonstrating 15,000 Pa suction and ZeroTangle 2.0 on a carpet with pet hair.

Macchie rimosse, tappeti asciutti

Sistema di lavaggio OZMO TURBO 2.0



Image: OZMO TURBO 2.0 mopping system with rotating pads and automatic mop lifting.

5. Control Options

Control your DEEBOT using the ECOVACS HOME app, YIKO Voice Assistant, or integrate with smart home devices like Google Home and Amazon Alexa for convenient operation.

Controllo della pulizia senza sforzo

Opzioni di controllo multiple

Widget, Dynamic Island e Apple Watch



YIKO 2.0 Controllo vocale senza interruzioni



Controllo tramite App



Compatibile con Google Home e Amazon Alexa



Image: Control interfaces including smartphone app, YIKO voice assistant, Google Home, and Amazon Alexa.

MAINTENANCE

1. OMNI Station Maintenance

The OMNI station automatically empties the dustbin, washes and dries the mop pads. Regularly check and empty the dirty water tank and refill the clean water tank. The station's base also features automatic cleaning with bidirectional scrapers.

Stazione OMNI 10 in 1

- 1 Blocco bambini
- 2 Asciugatura ad aria calda a 45°C
- 3 Svuotamento automatico
- 4 Rilevamento dello sporco
- 5 Rifornimento automatico del serbatoio piccolo
- 6 Ricarica in fasce orarie a basso costo
- 7 Design minimalista
- 8 Promemoria livello acqua basso



Image: Detailed view of the OMNI Station's components and automatic functions.

2. Robot Component Cleaning

- **Dustbin:** Empty the dustbin after each cleaning cycle or as indicated by the app. Clean the filter regularly.
- **Main Brush:** Remove and clean the main brush weekly, removing any tangled hair or debris.
- **Side Brushes:** Check side brushes for wear and tear, and clean them regularly. Replace if damaged.
- **Mop Pads:** The OMNI station washes the mop pads, but it is recommended to manually clean or replace them periodically for optimal performance.
- **Sensors:** Wipe all sensors (anti-drop, anti-collision, dToF LiDAR) with a dry cloth to ensure accurate navigation.

TROUBLESHOOTING

If your DEEBOT encounters an issue, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
DEEBOT does not start	Low battery; Power switch off; Not on charging station.	Charge DEEBOT; Turn on power switch; Ensure proper placement on charging station.
Poor cleaning performance	Full dustbin; Clogged filter; Worn brushes/mop pads.	Empty dustbin; Clean/replace filter; Clean/replace brushes/mop pads.
DEEBOT gets stuck frequently	Obstacles (cables, small objects); Dirty sensors.	Clear obstacles from cleaning path; Clean all sensors.
Cannot connect to Wi-Fi	Incorrect Wi-Fi password; Router issues; 5GHz network.	Verify password; Restart router; Ensure 2.4GHz network is used.

For more complex issues, consult the ECOVACS HOME app or contact customer support.

TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	ECOVACS
Model Name	T50 OMNI Gen1
Color	White
Product Dimensions (Robot)	35 x 47.7 x 53.3 cm
Item Weight	11.3 kg
Suction Power	15,000 Pa
Special Features	Intelligent Mop Lifting, Automatic Mop Washing, Automatic Dust Collection, Dirt Detection Sensor, Obstacle Avoidance
Compatible Devices	Smartphone (ECOVACS HOME App), Google Home, Amazon Alexa

WARRANTY AND SUPPORT

Your ECOVACS DEEBOT T50 OMNI comes with a manufacturer's warranty. For detailed warranty information, please refer to the warranty card included in your product packaging or visit the official ECOVACS website. For technical support, troubleshooting assistance, or to purchase replacement parts, please contact ECOVACS customer service through their official channels or the ECOVACS HOME app.

