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ECOVACS DEEBOT N20 PRO

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ECOVACS DEEBOT N20 PRO Robot Vacuum Cleaner and Mop User Manual

Model: DEEBOT N20 PRO

1. INTRODUCTION

Thank you for choosing the ECOVACS DEEBOT N20 PRO Robot Vacuum Cleaner and Mop. This manual provides essential information for the safe operation, effective use, and proper maintenance of your new robotic cleaner. Please read this manual thoroughly before using the product and retain it for future reference.

The DEEBOT N20 PRO is designed to provide a comprehensive cleaning solution for your home, combining powerful vacuuming with efficient mopping capabilities. Its advanced features ensure a clean and comfortable living environment with minimal effort.

2. SAFETY INFORMATION

To reduce the risk of injury or damage, read these safety instructions carefully and keep them at hand when setting up, using, and maintaining your DEEBOT N20 PRO.

- Ensure the power voltage matches the rating label on the charging dock.
- Do not operate the DEEBOT in areas with open flames, flammable materials, or explosive substances.
- Keep children and pets away from the DEEBOT during operation.
- Do not use the DEEBOT to pick up large debris, sharp objects, or liquids.
- Regularly clean the main brush, side brushes, and sensors to maintain optimal performance.
- Unplug the charging dock before cleaning or performing maintenance.
- Do not immerse the DEEBOT or charging dock in water.

3. PACKAGE CONTENTS

Please verify that all components are present and in good condition upon unboxing. If any items are missing or damaged, contact customer support.

- ECOVACS DEEBOT N20 PRO Robot Vacuum Cleaner
- Charging Dock
- Power Adapter
- Side Brushes (set)
- Mopping Pad Plate
- Washable Mopping Pads
- User Manual

4. PRODUCT OVERVIEW

4.1. Components

The ECOVACS DEEBOT N20 PRO consists of the main robot unit and its charging dock. Familiarize yourself with the various parts for proper operation and maintenance.



Figure 4.1: DEEBOT N20 PRO Robot Vacuum Cleaner, showing the main unit, detachable mopping pad, and a smartphone displaying the ECOVACS app interface.



Figure 4.2: The DEEBOT N20 PRO robot positioned next to its auto-empty station, illustrating the complete system.

4.2. Key Features

- **8000Pa Powerful Suction:** The DEEBOT N20 PRO delivers exceptional suction power to effectively remove dirt, dust, and debris from various floor types. This strong suction ensures a thorough clean with every pass.



Figure 4.3: The DEEBOT N20 PRO actively vacuuming, highlighting its 8000Pa suction capability to leave no mess behind.

- **OZMO Pro 2.0 Vibrating Mopping System:** This advanced mopping system utilizes high-frequency vibration to tackle stubborn stains, providing a deeper and more effective clean than traditional mopping. The composite material mopping pad efficiently locks in dirt.



- **ECOVACS PureCyclone Technology & 4-Stage Filtration:** This system ensures a 95% dust separation rate, extending the lifespan of the motor and cotton filter while maintaining stable dust collection efficiency for cleaner air.
- **ZeroTangle Anti-Tangle Technology:** Designed to prevent hair entanglement on the main brush, this technology minimizes maintenance and ensures continuous, efficient cleaning, making it ideal for homes with pets.



Figure 4.5: An illustration comparing a tangled brush to the ZeroTangle brush of the DEEBOT N20 PRO, highlighting its effectiveness in preventing hair entanglement.



Figure 4.6: A detailed diagram illustrating the three-step process of ZeroTangle Technology: brushing, detangling with a dual comb structure, and vacuuming hair into a streamlined chamber.

- **TrueMapping Intelligent Path Planning:** Utilizing laser radar scanning, TrueMapping ensures precise navigation and systematic path coverage for thorough cleaning. It also provides quick 8-minute mapping for efficient area coverage.



- **Extended Runtime:** The DEEBOT N20 PRO offers up to 200 minutes of runtime on a single charge, allowing for extensive cleaning sessions without interruption. It also features 20mm threshold climbing capability and anti-fall sensors for seamless and safe navigation.



Figure 4.8: Visual representation of the DEEBOT N20 PRO's ability to climb obstacles (20mm), its anti-fall sensors for stair safety, and its impressive 300-minute runtime.

5. SETUP

5.1. Charging Dock Placement

Place the charging dock on a hard, level surface against a wall, ensuring there are no obstacles within 1.5 meters (5 feet) in front and 0.5 meters (1.6 feet) on either side. Connect the power adapter to the charging dock and plug it into a wall outlet. Ensure the dock is always powered on.

5.2. Initial Charge

Place the DEEBOT N20 PRO onto the charging dock. Ensure the charging contacts on the robot align with those on the dock. The indicator light on the robot will show charging status. Fully charge the robot before its first use, which may take several hours.

5.3. App Installation and Connection

Download the ECOVACS HOME app from your smartphone's app store (iOS or Android). Follow the in-app instructions to create an account and add your DEEBOT N20 PRO. This process typically involves connecting the robot to your home Wi-Fi network.

5.4. Mapping

Once connected to the app, initiate a mapping run. The DEEBOT will navigate your home to create an accurate map, which is crucial for efficient cleaning and utilizing advanced features like zone cleaning and virtual boundaries. The TrueMapping technology allows for quick mapping, often completing within 8 minutes for typical homes.

6. OPERATING INSTRUCTIONS

The DEEBOT N20 PRO offers various cleaning modes and smart controls for a customized cleaning experience.

6.1. Starting/Stopping Cleaning

- **Manual Start:** Press the Auto Mode Button on the robot or the 'Start' button in the ECOVACS HOME app to begin a full cleaning cycle.
- **Pause/Resume:** Press the Auto Mode Button or the 'Pause' button in the app to pause cleaning. Press again to resume.
- **Return to Charging Dock:** Press the 'Recharge' button on the robot or in the app to send the DEEBOT back to its charging dock.

6.2. Cleaning Modes

The DEEBOT N20 PRO supports different cleaning preferences:

- **Vacuum & Mop:** The default mode for simultaneous vacuuming and mopping.
- **Vacuum Only:** For areas where mopping is not desired, such as carpets or rugs. Ensure the mopping pad plate is removed for vacuum-only cleaning on carpets.

6.3. Intelligent App Control

The ECOVACS HOME app provides comprehensive control over your DEEBOT N20 PRO.

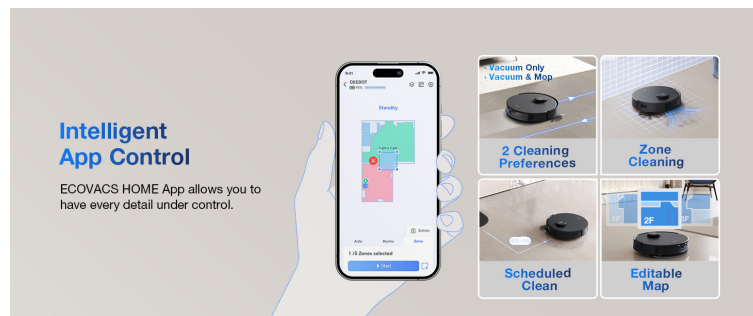


Figure 6.1: The ECOVACS HOME app interface, demonstrating options for vacuum & mop or vacuum-only cleaning, zone cleaning, and scheduled cleaning, along with an editable map.

- **Zone Cleaning:** Select specific areas on the map for targeted cleaning.
- **Scheduled Cleaning:** Set daily or weekly cleaning schedules for automated operation.
- **Virtual Boundaries:** Draw virtual walls or no-go zones on the map to restrict the robot from certain areas.
- **Editable Map:** Customize and manage your home's map within the app.

6.4. Voice Assistant Integration

The DEEBOT N20 PRO is compatible with popular voice assistants like Amazon Alexa and Google Home, allowing for convenient voice control of cleaning tasks.

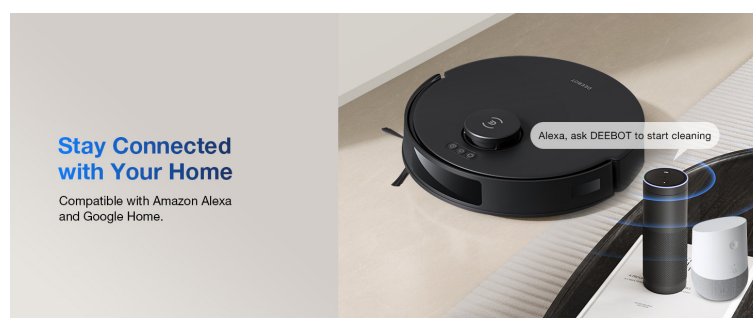


Figure 6.2: The DEEBOT N20 PRO positioned near Amazon Alexa and Google Home devices, illustrating its compatibility with voice assistants for smart home integration.

To enable voice control, link your ECOVACS account within the Alexa or Google Home app and follow their respective setup instructions.

7. MAINTENANCE

Regular maintenance is crucial for ensuring the longevity and optimal performance of your DEEBOT N20 PRO. Perform these tasks as recommended.

7.1. Dustbin and Filter Maintenance

- **Emptying the Dustbin:** After each cleaning cycle, remove and empty the dustbin.
- **Cleaning the Filter:** Tap the filter to remove loose debris. Rinse the filter under running water if necessary, ensuring it is completely dry before reinserting.

7.2. Main Brush and Side Brush Maintenance

- **Main Brush:** Remove the main brush and use the cleaning tool to cut and remove any tangled hair or debris. The ZeroTangle technology significantly reduces this, but occasional checks are still recommended.
- **Side Brushes:** Check side brushes for wear or damage. Remove any tangled hair or debris. Replace if bristles are bent or worn.

7.3. Mopping Pad Maintenance

- **Cleaning Mopping Pads:** Remove the mopping pads after each use. Hand wash or machine wash them with mild detergent. Allow them to air dry completely before reattaching.

7.4. Sensor Cleaning

Wipe all sensors (anti-drop sensors, anti-collision sensors, charging contacts) with a clean, dry cloth to ensure proper functionality. Dust and debris can interfere with navigation and safety features.

8. TROUBLESHOOTING

If your DEEBOT N20 PRO encounters issues, refer to the following common problems and solutions. For persistent issues, contact customer support.

Problem	Possible Cause	Solution
DEEBOT does not start.	Low battery; Power switch off; Not on charging dock.	Charge the robot; Turn on the power switch; Ensure proper dock connection.
DEEBOT gets stuck frequently.	Obstacles; Tangled brushes; Dirty sensors.	Clear obstacles; Clean main/side brushes; Wipe sensors.
Poor cleaning performance.	Full dustbin; Clogged filter; Worn brushes.	Empty dustbin; Clean/replace filter; Clean/replace brushes.
DEEBOT cannot find charging dock.	Dock moved; Obstacles near dock; Dock not powered.	Ensure dock is in original position; Clear area around dock; Check power connection.
Mopping is ineffective.	Dry mopping pad; Water tank empty.	Wet mopping pad before use; Refill water tank.

9. SPECIFICATIONS

Detailed technical specifications for the ECOVACS DEEBOT N20 PRO.

Feature	Specification
Brand	ECOVACS
Model Name	DEEBOT N20 PRO
Special Feature	OZMO ROLLER Instant Self-Washing Mopping
Color	Black
Product Dimensions	13.78"L x 20.98"W x 15.94"H
Included Components	DEEBOT X8 PRO OMNI ROBOT VACUUM (Note: This may be a generic component listing, refer to package contents for exact

Feature	Specification
	model components)
Filter Type	WASHABLE
Battery Life	200 minutes
UPC	850058335568
Item Weight	14.17 pounds
Manufacturer	ECOVACS
Item Model Number	DEEBOT N20 PRO
Batteries Required	1 12V batteries (included)

10. WARRANTY AND SUPPORT

ECOVACS provides a limited warranty for its products. For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official ECOVACS website.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please visit the official ECOVACS Store or contact their customer service directly. You can find more information and support resources at the [ECOVACS Store on Amazon](#).

Note: No official seller videos were available for embedding in this manual.

	ECOVACS DEEBOT N20 PRO & N20 Instruction Manual Official instruction manual for the ECOVACS DEEBOT N20 PRO and DEEBOT N20 robotic vacuum cleaners. Find setup guides, safety warnings, operational instructions, maintenance schedules, troubleshooting tips, and technical specifications.
	ECOVACS DEEBOT N20 PRO PLUS : Robot Aspirateur Intelligent avec Station Auto-Vidante Découvrez le DEEBOT N20 PRO PLUS d'ECOVACS, un robot aspirateur avancé doté de la technologie PureCyclone, d'une navigation TrueMapping et d'une station d'auto-vidage sans sac pour un nettoyage sans effort.
	ECOVACS DEEBOT N20 PRO PLUS & N20 PLUS Robot Vacuum Cleaner Instruction Manual Comprehensive instruction manual for the ECOVACS DEEBOT N20 PRO PLUS and DEEBOT N20 PLUS robot vacuum cleaner, covering safety, setup, operation, app connection, technical specifications, and disposal information.
	ECOVACS DEEBOT T50 OMNI: Powerful Robot Vacuum with Intelligent OMNI Station Discover the ECOVACS DEEBOT T50 OMNI, a slim and powerful robot vacuum featuring 15,000 Pa suction, intelligent OMNI station with hot water washing and drying, YIKO voice control, and advanced navigation technologies for a spotless home.
	ECOVACS DEEBOT N20 PRO PLUS / N20 PLUS Instruction Manual Get started with your ECOVACS DEEBOT N20 PRO PLUS or N20 PLUS robotic vacuum cleaner. This manual provides essential setup, operation, safety, and troubleshooting information for optimal performance.
	ECOVACS DEEBOT N20 PRO User Manual & Guide Comprehensive user manual for the ECOVACS DEEBOT N20 PRO robot vacuum cleaner, covering setup, operation, safety, and technical specifications.

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Details

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