MOVA

MOVA P50 Pro Ultra Robot Vacuum User Manual

Model: P50 Pro Ultra

1. Important Safety Information

Please read this manual carefully before using the MOVA P50 Pro Ultra Robot Vacuum and retain it for future reference. Adhere to all safety warnings and instructions to prevent injury or damage.

- This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Do not allow children to play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- Use only the original charging dock provided by the manufacturer.
- Do not use the robot in wet environments or near water sources.
- Clear all cables, small objects, and fragile items from the cleaning path before operation to prevent entanglement or damage.
- Ensure the robot operates on stable, level surfaces. Avoid operating on elevated surfaces without protective barriers.
- Do not use the robot to pick up large debris, sharp objects, or liquids.
- Regularly clean the brushes and sensors to maintain optimal performance and prevent malfunctions.

2. Package Contents

Verify that all items are present in the package upon unboxing:

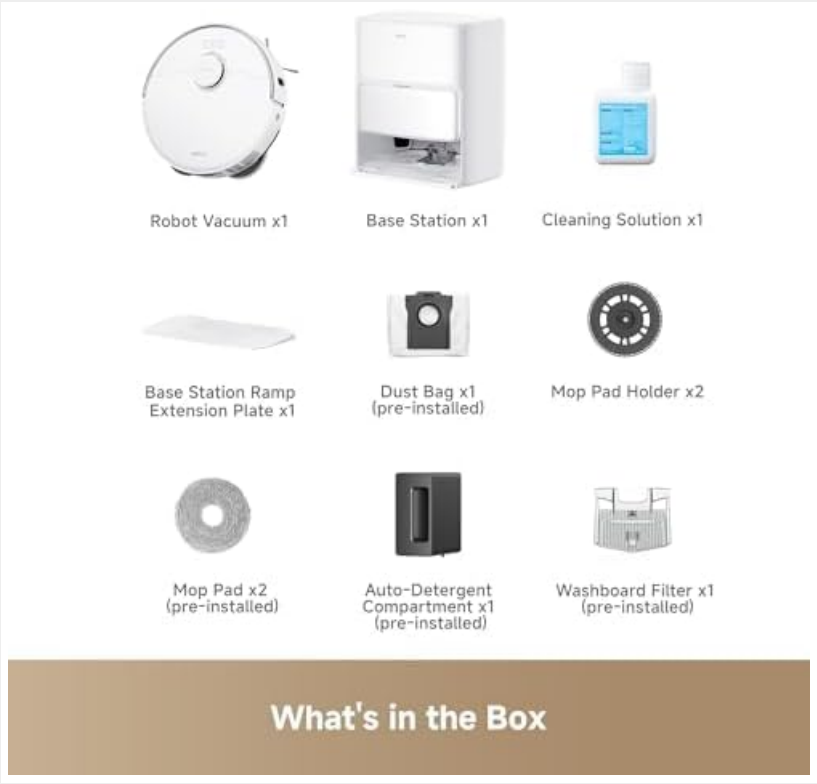


Figure 2.1: What's in the Box

- Robot Vacuum x1
- Base Station x1
- Cleaning Solution x1
- Base Station Ramp Extension Plate x1
- Dust Bag x1 (pre-installed)
- Mop Pad Holder x2
- Mop Pad x2 (pre-installed)
- Auto-Detergent Compartment x1 (pre-installed)
- Washboard Filter x1 (pre-installed)

3. Product Overview

3.1 Main Components



Figure 3.1: Robot Vacuum and Base Station

The MOVA P50 Pro Ultra consists of the robot vacuum unit and a multi-functional base station. The robot features advanced sensors and cleaning mechanisms, while the base station provides automated dust collection, mop washing, and water/solution refilling.

3.2 Key Features

- **Fully Automated Cleaning:** The base station handles dust collection for up to 75 days, cleans mop pads with 167℉ (75℃) hot water, and automatically refills water and cleaning solution.
- **Powerful Suction:** Equipped with 19,000Pa suction power to effectively pick up dust, hair, and debris from various surfaces.
- **Anti-Tangle Brush:** The CleanChop brush design minimizes hair tangles, ensuring consistent performance.
- **Extensive Cleaning Reach:** An extendable side brush and mop allow for thorough cleaning of corners, edges, and under low-profile furniture.
- **Smart Mop Lifting:** The robot can automatically lift its mop pads by 10mm when detecting carpets, preventing them from getting wet. Mops are also removable for advanced carpet care.
- **Intelligent Dirt Detection:** An RGB camera and smart dirt detection system identify various types of debris (e.g., coffee spills, crumbs) for targeted cleaning.
- **Advanced Navigation:** Generates detailed 4-level 3D maps of your home for efficient and seamless navigation

around obstacles.

- **App Control & Voice Commands:** Manage cleaning schedules, modes, and monitor the robot via the intuitive mobile app. Compatible with Alexa and Google Home for voice control.



Figure 3.2: Powerful Suction



Figure 3.3: Mop Lifting and Detachment



Figure 3.4: Corner and Edge Cleaning

4. Setup

4.1 Base Station Placement

Place the base 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. Ensure it is near a power outlet and away from direct sunlight or heat sources.

4.2 Initial Charging

Connect the base station to power. Place the robot vacuum onto the base station. The robot will automatically begin charging. For first-time use, ensure the robot is fully charged before operation (approximately 3.5 hours).

4.3 App Download and Connection

1. Download the MOVA app from your mobile device's app store (iOS or Android).
2. Open the app and follow the on-screen instructions to create an account and add your MOVA P50 Pro Ultra.

3. Ensure your Wi-Fi network is 2.4GHz for successful connection.

4.4 Initial Mapping

Once connected to the app, initiate the mapping process. The robot will navigate your home to create a detailed map, which can then be customized within the app for specific cleaning zones, no-go areas, and virtual walls.

Your browser does not support the video tag.

Video: MOVA P50 Pro Ultra Robot Vacuum with Removable & Liftable Mop - This video provides an overview of the robot's features and capabilities, useful for understanding initial setup and function.

Your browser does not support the video tag.

Video: Mova P50 Pro Ultra robot vacuum unboxing and user guide - This comprehensive video demonstrates the unboxing process and guides users through the initial setup and usage of the robot vacuum.

5. Operating Instructions

5.1 Starting a Cleaning Cycle

- **From the Robot:** Press the power button on the robot once to start a full cleaning cycle.
- **From the App:** Open the MOVA app, select your device, and tap 'Start Cleaning'. You can choose specific rooms, zones, or a full house clean.

5.2 Cleaning Modes

The MOVA P50 Pro Ultra offers various cleaning modes accessible via the app:

- **Vacuum Only:** Ideal for carpets or when mopping is not required.
- **Mop Only:** For hard floors that need mopping without vacuuming.
- **Vacuum & Mop:** Simultaneous vacuuming and mopping for comprehensive cleaning of hard floors.
- **Custom Cleaning:** Adjust suction power, water level (32 adjustable levels), and cleaning frequency for different areas.

5.3 Advanced App Features

- **Map Editing:** Create and manage 4-level 3D maps, set no-go zones, virtual walls, and define cleaning sequences for rooms.
- **Scheduled Cleaning:** Set specific times for the robot to clean automatically.
- **Remote Monitoring:** Use the built-in RGB camera to monitor your home and interact with pets via synced video and voice.
- **Voice Control:** Integrate with Amazon Alexa or Google Home for hands-free control.



Figure 5.1: Intelligent Navigation and Features

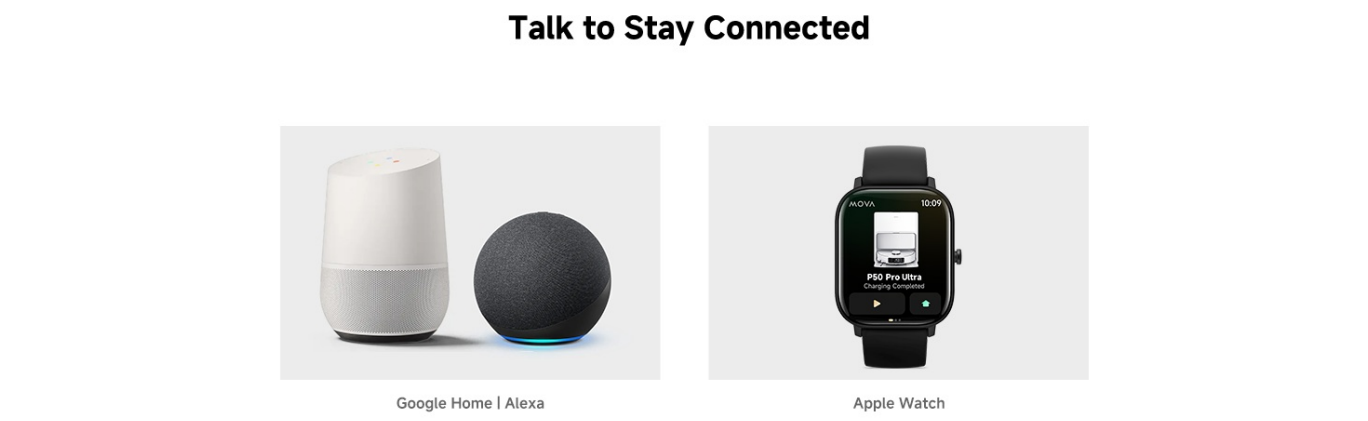


Figure 5.2: App Control and Map Editing

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your MOVA P50 Pro Ultra.

6.1 Base Station Maintenance

- **Dust Bag Replacement:** The base station's 3.2L dust bag can hold debris for up to 75 days. Replace the dust bag when the app indicates it is full.
- **Clean/Dirty Water Tanks:** Regularly empty the dirty water tank and refill the clean water tank.
- **Mop Pad Washing & Drying:** The base station automatically washes mop pads with 167℉ hot water and dries them with 113℉ hot air. Periodically check the washboard filter and clean as needed.
- **Cleaning Solution:** Ensure the auto-detergent compartment is filled with the provided cleaning solution.



Figure 6.1: All-in-One Station Features



Figure 6.2: Self-Washing Dock

6.2 Robot Vacuum Maintenance

- **Main Brush:** Periodically remove and clean the main brush, especially the anti-tangle CleanChop brush, to remove any wrapped hair or debris.
- **Side Brush:** Check and clean the side brush for debris. Replace if worn.
- **Dust Bin:** Although the base station auto-empties, occasionally check the robot's internal dust bin for any blockages or residue.
- **Sensors:** Wipe all sensors (laser distance sensor, 3D dual-line laser sensor, edge sensor, carpet sensor, smart RGB camera) with a clean, dry cloth to ensure accurate navigation and obstacle avoidance.
- **Mop Pads:** While self-washed, occasionally remove and hand-wash the mop pads for deeper cleaning or replace them if they become excessively worn.



Figure 6.3: Robot Sensors

7. Troubleshooting

If you encounter issues with your MOVA P50 Pro Ultra, refer to the following common solutions:

Problem	Possible Cause	Solution
Robot does not start or respond.	Low battery; Power switch off; Robot stuck.	Ensure robot is charged; Check power switch; Clear obstacles.
Poor cleaning performance.	Full dust bin/bag; Clogged brushes; Dirty sensors.	Empty dust bin/replace bag; Clean main/side brushes; Wipe sensors.
Robot cannot return to base station.	Base station obstructed; Robot too far; No-go zone set.	Clear area around base; Manually place robot closer; Check app map settings.
App connection issues.	Incorrect Wi-Fi; Router issues; App outdated.	Ensure 2.4GHz Wi-Fi; Restart router/robot; Update app.
Mop pads not cleaning effectively.	Dirty water tank full; Clean water tank empty; Mop pads worn.	Empty dirty water, refill clean water; Replace mop pads.

For more detailed troubleshooting or persistent issues, please refer to the MOVA app's help section or contact customer support.

8. Specifications

Feature	Detail
Brand	MOVA
Model Name	P50 Pro Ultra
Suction Power	19,000Pa
Mop Washing Temperature	167℉ (75℃) Hot Water

Feature	Detail
Mop Drying Temperature	113°F Hot Air
Dust Bag Capacity	3.2L (up to 75 days hands-free)
Battery Life	3.5 Hours (5200mAh)
Control Method	App, Voice (Alexa, Google Home)
Navigation	4-level 3D Mapping, RGB Camera, Laser Sensors
Product Dimensions (L x W x H)	18" x 16.5" x 18.5" (Overall Unit)
Color	White
Item Weight	30.3 pounds
UPC	850070941457

9. Warranty and Support

9.1 Warranty Information

The MOVA P50 Pro Ultra comes with a 3-Year Warranty, reflecting its reliable quality. For specific terms, conditions, and details regarding warranty coverage for your model and parts, please refer to the official MOVA website or contact MOVA customer support.

9.2 Customer Support

For any questions, technical assistance, or support needs, please contact MOVA Official customer service. You can typically find contact information (email, phone, or support portal) on the MOVA official website or within the MOVA mobile application.

© 2025 MOVA. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question