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› MAMNV D13S MAX Robot Vacuum and Mop User Manual

MAMNV D13S MAX

MAMNV D13S MAX Robot Vacuum and Mop User Manual

Model: D13S MAX

1. INTRODUCTION

Thank you for choosing the MAMNV D13S MAX Robot Vacuum and Mop. This device is designed to provide efficient and convenient cleaning for your home, combining vacuuming, sweeping, and mopping functionalities. This manual provides essential information for the safe and effective use, maintenance, and troubleshooting of your robot vacuum. Please read it thoroughly before operation and retain it for future reference.

2. SAFETY INSTRUCTIONS

To reduce the risk of injury or damage, read these safety instructions carefully and keep them accessible for future reference. This appliance is for household use only.

- Do not allow children to play with the robot. Supervise children and pets when the robot is operating.
- Ensure the robot is used and stored at room temperature. Avoid extreme hot or cold environments.
- Do not operate the robot in areas with exposed electrical outlets in the floor.
- Do not use the robot to pick up large objects, sharp objects, liquids, or burning/smoking materials.
- Keep hair, loose clothing, fingers, and all body parts away from openings and moving parts.
- Do not use the robot on wet surfaces or in environments with standing water.
- Before using the robot, remove loose items such as clothing, loose papers, pull cords for blinds or curtains, power cords, and any fragile objects.
- Do not move the charging base or interrupt the machine's operation before it completes scanning the map.
- Only use the provided power adapter.
- Do not use detergents or disinfectants in the water tank, as they may corrode the tank and clog the water outlet pipes.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- MAMNV D13S MAX Robot Vacuum
- Dust Collection Station
- 2-in-1 Water Tank and Dustbin
- Dust Bags x5
- Rolling Brush x1
- Side Brushes x2
- Mop Holder
- Mops x2
- Filters x2
- User Manual
- FQA (Frequently Asked Questions)
- App Connection Guide



Image: Contents of the MAMNV D13S MAX package, including the robot vacuum, dust collection station, and various accessories.

4. PRODUCT OVERVIEW

4.1 Robot Vacuum Components



Image: The MAMNV D13S MAX Robot Vacuum alongside its self-emptying dust collection station.

- **Lidar Sensor:** For 360° scanning and precise navigation.
- **Control Buttons:** Power/Clean, Recharge.
- **Collision Sensors:** Detect obstacles to prevent impact.
- **Drop Sensors:** Prevent the robot from falling down stairs.
- **Side Brushes:** Sweep debris from edges and corners.
- **Rolling Brush:** Main brush for deep cleaning carpets and hard floors.
- **Driving Wheels:** For movement across various surfaces and over thresholds.
- **Dustbin/Water Tank Combo:** Collects dust and holds water for mopping.

4.2 Dust Collection Station

- **Dust Bag Compartment:** Houses the disposable dust bag for automatic emptying.
- **Charging Contacts:** Connects with the robot for charging.
- **Dust Suction Port:** Transfers debris from the robot's dustbin to the station's dust bag.

Self-Emptying Robot Vacuum

10 Weeks
100% Hands-Free

3.5Lx5
Jumbo Bags

70 Days Off

1616sqft
5000mAh
160min

Ask Rufus: How long can this robot vacuum clean without maintenance?

Image: The robot vacuum automatically docking with the self-emptying station to transfer collected debris.

5. SETUP

5.1 Charging Station Placement

- Place the dust collection station against a wall in an open, uncluttered area.
- Ensure 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 of the station.
- Connect the power adapter to the station and plug it into a wall outlet.

5.2 Initial Charge

- Place the robot onto the charging contacts of the dust collection station.
- Ensure the robot is properly aligned and charging. The indicator light on the robot will show charging status.
- Allow the robot to fully charge before its first use (approximately 6 hours).

5.3 App Connection

The MAMNV D13S MAX can be controlled via the Tuya Smart or Smart Life app. Download the app to unlock full features, including mapping, scheduling, and zone management.

1. Download the "Tuya Smart" or "Smart Life" app from your device's app store (Google Play or Apple App Store).
2. Register and log into your account.
3. **To enter Distribution Mode:** Press and hold the power button on the robot for 3-5 seconds to turn it on. Then, press and hold the home button for 3-5 seconds until the home button light flashes white and you hear a corresponding prompt.
4. Follow the in-app instructions to connect your robot to your home's 2.4GHz Wi-Fi network. Ensure Bluetooth is enabled on your phone during the connection process.



Image: Visual guide for connecting the robot vacuum to the Tuya Smart or Smart Life application, including QR codes for app download.

Download Tuya Smart: <https://smartapp.tuya.com/tuyasmart>

Download Smart Life: <https://smartapp.tuya.com/smartlife>

6. OPERATING INSTRUCTIONS

6.1 Cleaning Modes

The D13S MAX offers 3-in-1 cleaning: vacuuming, sweeping, and mopping. You can select modes via the app.

- **Vacuum & Sweep:** Standard cleaning mode for daily debris.
- **Mop:** For light mopping of hard floors. Ensure the water tank is filled and the mop pad is attached.
- **Vacuum & Mop Simultaneously:** The robot can perform both functions in a single pass.

3-in-1 Vacuum and Mop, 3-Stage Smart Mopping

Hard Floors & Carpets, Perfectly Clean



230mL



240mL



Image: The robot vacuum demonstrating its 3-in-1 vacuum and mop capabilities, showing the dustbin and water tank combo.

6.2 LiDAR Navigation and Smart Mapping

The robot uses LiDAR navigation to create a precise map of your home for efficient cleaning paths.

- **Initial Mapping:** The robot will perform an initial mapping run to learn your home layout. Do not interrupt this process.
- **Multi-Floor Mapping:** The robot can save up to 5 different floor maps.
- **No-Go Zones & Virtual Walls:** Use the app to define areas the robot should avoid (e.g., pet bowls, fragile items) or virtual boundaries.
- **Targeted Zone Cleaning:** Select specific areas on the map for the robot to clean.
- **Custom Cleaning Plans:** Adjust suction level, water level, and cleaning times for individual rooms via the app.

Precision Laser Mapping & LiDAR Navigation & Self-Emptying



360° LiDAR
Navigation



Smart
Home Mapping



Schedule
Cleaning



Efficiency
Cleaning



Z-shaped
Path Planning



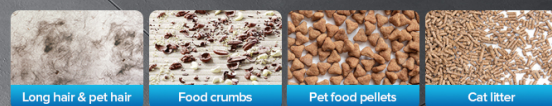
5 Maps
Saved



Image: The robot vacuum utilizing its LiDAR sensor to navigate and map a room, illustrating its smart mapping capabilities.

11500Pa Powerful Suction

No tangled hair, perfect for pet families

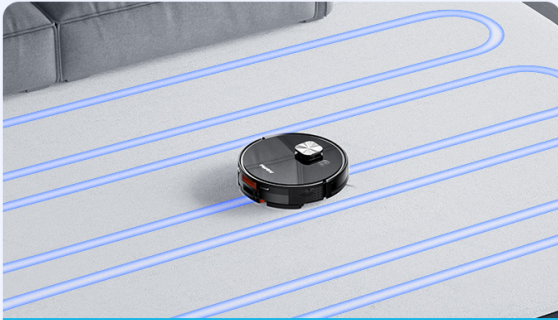


Q: Why actual runtime less than 160min? A: Max 11500Pa mode consumes more power (70min). Use Auto mode for balanced cleaning



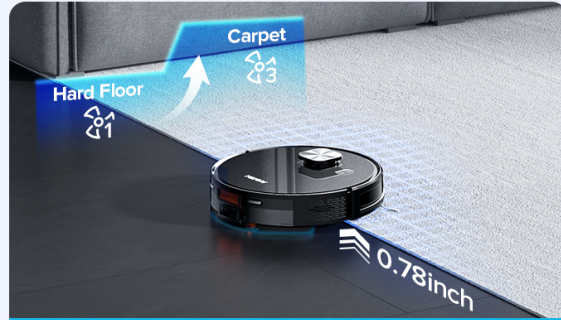
Image: Illustration of the robot vacuum's ability to map and store multiple floor plans within a multi-story home.

Customize Your Carpet Cleaning Strategy



Plan carpet areas

Use the App to plan carpet areas for separate cleaning



Carpet Auto Boost

Boost suction power when on carpets

Image: Demonstrates setting up No-Go Zones and Virtual Walls via the app to restrict the robot's access to certain areas.

Intelligent Object Avoidance+Anti-Fall

Built-in infrared and collision sensors effortlessly detect and avoid floor obstacles and stairs

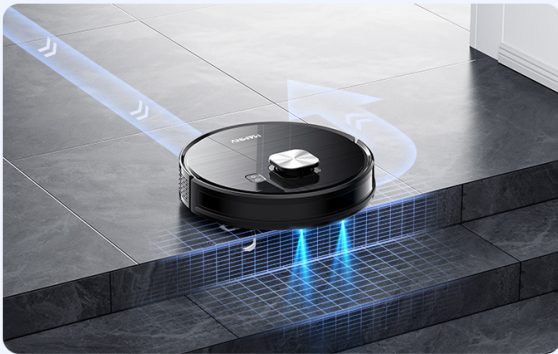


Image: The app interface showing options for customizing cleaning plans for specific rooms, including suction and water levels.

6.3 Scheduling and Voice Control

- **Scheduling:** Set daily or weekly cleaning schedules through the app.
- **Voice Control:** The robot is compatible with Amazon Alexa and Google Assistant. Link your account in the respective voice assistant app to control the robot with voice commands (e.g., "Alexa, clean the kitchen!").

Control by Tuya App or Voice

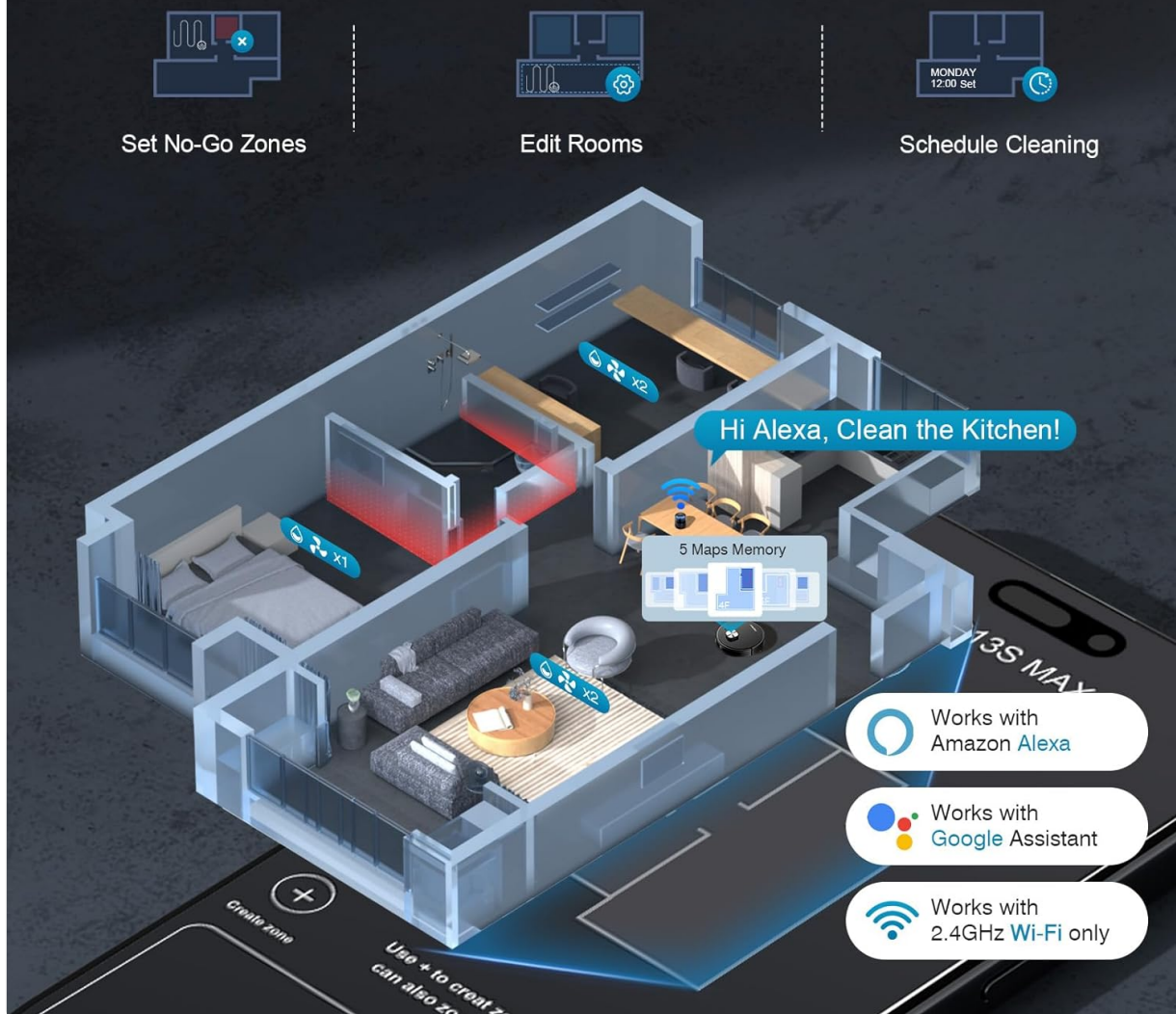


Image: Demonstrates controlling the robot vacuum via the Tuya app for setting No-Go Zones, editing rooms, and scheduling, as well as voice control compatibility with Alexa and Google Assistant.

6.4 Carpet Auto-Boost

The D13S MAX automatically detects carpets and increases suction power for deeper cleaning on these surfaces. This feature can be managed via the app.

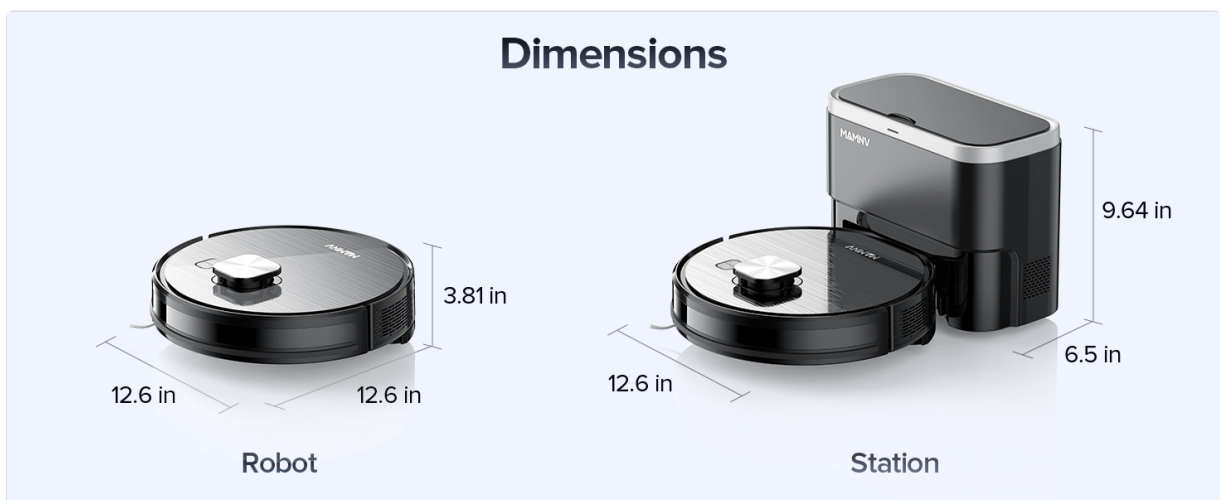


Image: Illustrates how the robot vacuum plans carpet areas and automatically boosts suction power when transitioning


from hard floor to carpet.

6.5 Obstacle Avoidance and Anti-Fall


Built-in infrared and collision sensors help the robot detect and avoid obstacles and stairs, ensuring safe operation.

How to connect D13S MAX APP?

Download, register and log into the "Tuya Smart" or "Smart Life" APP



"Tuya Smart" APP "Smart Life" APP



How to Enter Distribution Mode?

Step-1: Press and hold the "⏻" for 3-5s to turn on the device. (Make sure your phone is "Bluetooth Enabled")

Step-2: Press and hold the device "🏠" for 3-5s

Step-3: Confirm that the "🏠" button light flashes white, play the corresponding prompt, and enter the network configuration

Optional "Bluetooth Connection" or "AP Connection"

Please refer to "APP Connection" for detailed operating steps




Image: Shows the robot vacuum detecting a step to prevent falling and navigating around furniture legs using its sensors.

6.6 Threshold Crossing

The robot is designed to climb over obstacles and mats up to 0.79 inches (20mm) for uninterrupted cleaning across different rooms.

Doesn't mop, doesn't wet the mop pad

A 1. Please make each mopping modules are correctly installed according to the user's manual

2. When the machine just enters the mop mode, themop might be dampened slowly, please wait few minutes for this procedure or manually dampen the mop in advance. In case there was oil remaining on mop pad causing mop pad difficult to absorb water please wash it with cleaner and/reinstal the mop pad

3. Please check if the cleaning mode is set to "**Sweep**" and the Water volume adjustment is set to "**OFF**"

Note: Please do not use detergents or disinfectants, as they maycorrode the watef tank and clog the water outlet pipes

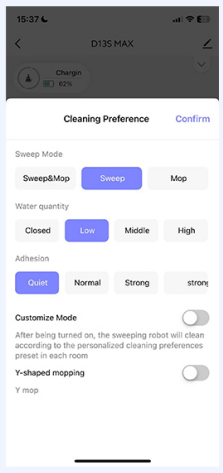


Image: Illustrates the robot vacuum's capability to smoothly cross door thresholds and adapt to various home environments.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your robot vacuum.

7.1 Dustbin and Water Tank

- **Emptying:** The robot automatically empties its dustbin into the dust collection station. The station's dust bag can hold up to 70 days of debris.
- **Cleaning:** Periodically remove the 2-in-1 dustbin/water tank from the robot. Empty any remaining debris and rinse the dustbin and water tank with clean water. Allow to air dry completely before reinserting.

- **Water Tank Refill:** For mopping, fill the water tank with clean water only. Do not use detergents or disinfectants.

7.2 Brushes and Filters

- **Rolling Brush:** Remove the rolling brush cover and lift out the brush. Use the cleaning tool to remove hair and debris tangled around the brush.
- **Side Brushes:** Check side brushes regularly for wear or damage. Remove any tangled hair or debris. Replace if worn.
- **Filters:** Tap the filters to remove dust. Rinse the primary filter and sponge filter with water if necessary, but do not rinse the HEPA filter. Allow all washable filters to dry completely before reinstallation.



Image: A collection of replacement parts for the robot vacuum, including side brushes, rolling brush, mop pads, and filters, indicating components that require regular maintenance or replacement.

7.3 Mop Pad

- Remove the mop pad from the mop holder after each mopping session.
- Wash the mop pad by hand or machine wash with mild detergent. Allow it to air dry completely.
- Replace mop pads when they show signs of wear or reduced cleaning effectiveness.

7.4 Dust Collection Station

- **Dust Bag Replacement:** Replace the dust bag in the station when the indicator light signals it is full, or approximately every 70 days.
- **Suction Port Cleaning:** Periodically check the dust suction port on the station for any blockages and clear them.

8. TROUBLESHOOTING

Refer to this section for solutions to common issues.

Problem	Possible Cause	Solution
Robot does not turn on.	Low battery or not charged.	Place the robot on the charging station and ensure it is charging. Allow to charge fully.
Robot gets stuck frequently.	Obstacles, tangled wires, or low clearance.	Clear the cleaning area of loose cables, small objects, and thick rugs. Use No-Go Zones for problematic areas.
Poor cleaning performance.	Full dustbin, clogged filters, or worn brushes.	Empty the dustbin. Clean or replace filters and brushes as needed.
Robot does not mop or wet the mop pad.	Incorrect mop module installation, dry mop pad, or incorrect app settings.	<ol style="list-style-type: none"> 1. Ensure all mopping modules are correctly installed. 2. Dampen the mop pad manually before starting, or wait a few minutes for it to dampen automatically. 3. If there is oil residue on the mop pad, wash it thoroughly and reinstall. 4. Check the app to ensure the cleaning mode is not set to "Sweep Only" and that the water volume adjustment is not set to "OFF".
Robot cannot connect to Wi-Fi.	Incorrect Wi-Fi band (only 2.4GHz supported), incorrect password, or robot too far from router.	Ensure your router is broadcasting a 2.4GHz network. Verify Wi-Fi password. Move robot closer to the router during setup. Re-enter distribution mode if necessary.

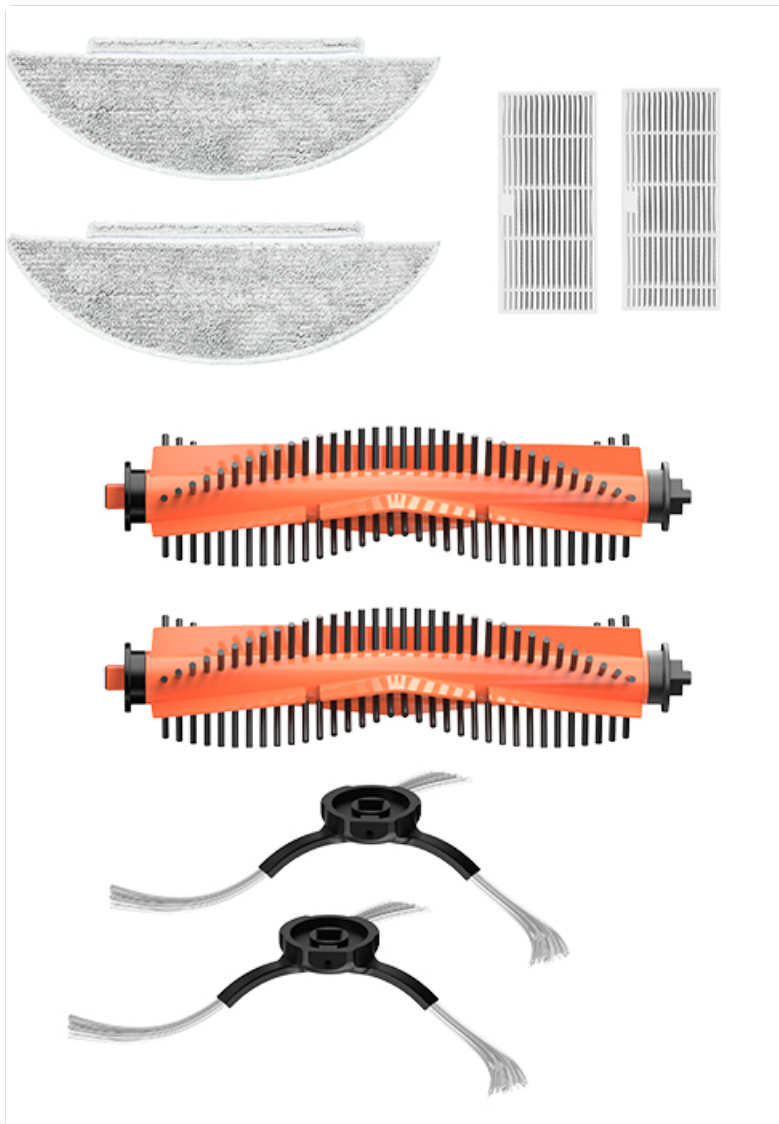


Image: Troubleshooting steps for when the mop pad does not wet, including checking installation and app settings.

9. SPECIFICATIONS

Feature	Detail
Brand	MAMNV
Model Name	D13S MAX Robot Vacuum and Mop
Special Features	Advanced Custom Cleaning, LiDAR Navigation, Precision Laser Mapping & Navigation, Self-Emptying, Smart Mapping
Product Dimensions	12.59"L x 12.59"W x 3.82"H (Robot)
Item Weight	18.26 pounds (Total package)
Suction Power	11500 Pa
Dustbin Capacity	230 ml (Robot)
Water Tank Capacity	240 ml (Robot)
Self-Emptying Dust Bag Capacity	Up to 70 days (3.5L x 5 bags included)
Battery Life	Up to 160 minutes runtime (5000mAh battery)
Filter Type	HEPA Triple-stage Filtration, Primary Filter, Sponge
Control Method	App, Voice (Amazon Alexa, Google Assistant)
Wi-Fi Compatibility	2.4GHz only
Obstacle Crossing Ability	0.79 inches (20mm)

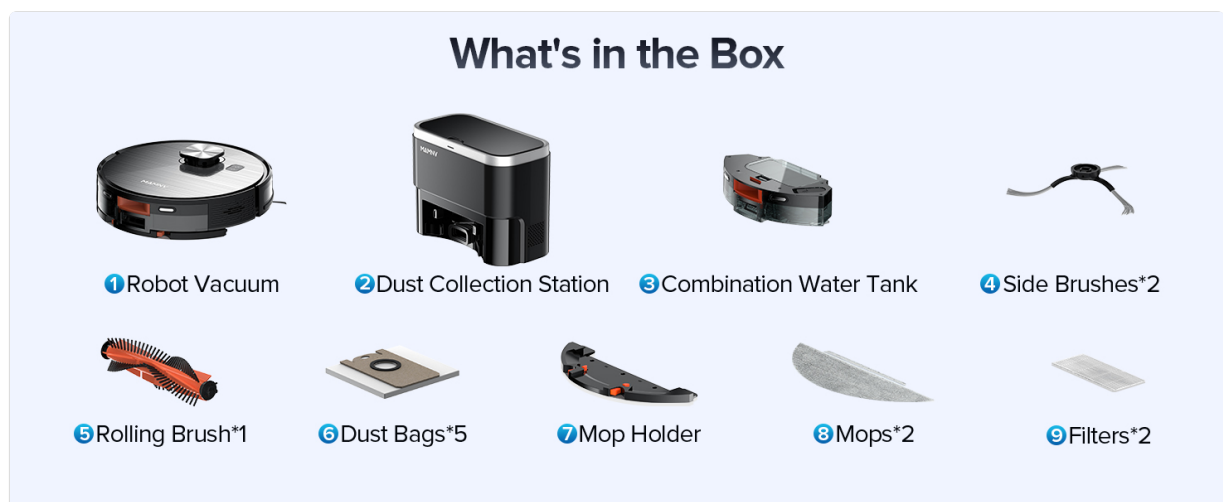


Image: Diagram showing the dimensions of the MAMNV D13S MAX robot vacuum and its charging station.

10. WARRANTY AND SUPPORT

MAMNV provides professional customer service and a 12-month service period for the D13S MAX Robot Vacuum and Mop. For any issues or inquiries, please refer to the FQA document included in your package or contact MAMNV customer support.

