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> MAMNV T7S Robot Vacuum and Mop Combo User Manual

MAMNV T7S-1 Robot Vacuum and Mop

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Model: T7S-1 Robot Vacuum and Mop

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1. PRODUCT OVERVIEW

The MAMNV T7S Robot Vacuum and Mop Combo is designed to provide efficient and comprehensive floor cleaning. This 2-in-1 device features separate water and dust tanks, allowing for simultaneous vacuuming and mopping on hard floors. It is equipped with smart navigation and multiple cleaning modes to suit various needs, and can be controlled via a remote, a dedicated mobile application, or voice commands.



Figure 1: Overview of the MAMNV T7S Robot Vacuum and Mop Combo, showing the main unit, remote control, and the combined dustbin/water tank.

Key Features:

- **2-in-1 Vacuuming and Mopping:** Separate tanks for wet and dry cleaning.
- **Smart Control:** Compatible with Tuya Smart APP, remote control, Google Assistant, and voice control.
- **Multiple Cleaning Modes:** Auto, Zigzag, Spot, and Edge cleaning.
- **Long Runtime & Self-Charging:** Up to 180 minutes runtime, automatically returns to charging dock.
- **Powerful Suction:** 2000Pa max suction with 3-speed adjustment, ideal for various floor types and pet hair.
- **Slim Design:** 2.90-inch height for cleaning under furniture.
- **Smart Sensors:** 15 sets of infrared sensors for obstacle and stair avoidance.

2. WHAT'S INCLUDED

Please verify that all items are present in the package:

- MAMNV T7S Robot Vacuum (1 unit)
- Remote Control (1 unit, with 2 AAA batteries included)
- Charging Dock (1 unit)
- Power Adapter (1 unit)
- Water Tank (1 unit)
- Dustbin (1 unit)
- Side Brushes (2 units)
- Cleaning Brushes (1 unit)
- User Manual (1 unit)

3. SETUP GUIDE

3.1 Initial Charging

Before first use, ensure the robot vacuum is fully charged. Place the charging dock against a wall in an open area, ensuring no obstacles within 1 meter to the sides and 2 meters in front. Connect the power adapter to the charging dock and a power outlet. Place the robot vacuum onto the charging dock, aligning its charging contacts. The indicator light will show charging status.

Automatic Return Charging



2600mAh
Battery



180mins
Running Time



4.5h
Charge Time



Figure 2: The robot vacuum automatically returning to its charging dock. Ensure the dock is placed in an accessible area for proper self-charging.

3.2 Component Installation

Attach the side brushes by pressing them onto the posts on the bottom of the robot until they click into place. Insert the dustbin or water tank into the designated slot at the rear of the robot, ensuring it is securely latched.



Figure 3: Exploded view showing the separate dustbin and water tank components of the robot vacuum.

3.3 App Connection (Tuya Smart APP)

For full functionality, download and connect the robot vacuum to the Tuya Smart APP. This allows for remote control, scheduling, and mode switching.

1. Download the "Tuya Smart" app from the Apple App Store or Google Play Store.
2. Register a new account or log in if you already have one.
3. Ensure your phone's Bluetooth is turned on.
4. Open the Tuya Smart APP and select "Add Device". Navigate to "Small Home Appliances" and choose "Robot Vacuum (BLE+Wi-Fi)".
5. To enter Bluetooth pairing mode: Press the power button for 3-5 seconds, then press the home button for 3-5 seconds to power on pairing.
6. Follow the in-app instructions to complete the connection. Ensure your Wi-Fi network is 2.4GHz, as 5GHz networks are not supported.
7. Alternatively, for AP mode: Make sure the machine is turned on. Hold down the power button for 3-5 seconds, then press the reset button for 3-5 seconds. You will hear two beeps, and the indicator will flash. Connect to the Wi-Fi hotspot starting with "SmartLife-XXX" in your phone's Wi-Fi settings, then return to the app to complete the connection.

Your browser does not support the video tag.

Video 1: This video demonstrates the process of connecting the T7S Robot Vacuum to the Tuya Smart App, covering both Bluetooth and AP modes for device pairing.



Figure 4: The robot vacuum being controlled via its remote and the Tuya Smart App, also highlighting voice control compatibility with Amazon Alexa and Google Assistant.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Press and hold the power button on the robot or the remote control to turn the device on or off.

4.2 Cleaning Modes

The T7S Robot Vacuum offers four distinct cleaning modes, selectable via the Tuya Smart App or the remote control:

- **Auto Cleaning:** The robot intelligently navigates to clean the entire area.
- **Zigzag Cleaning:** Cleans in a systematic back-and-forth pattern, ideal for large, open spaces.
- **Spot Cleaning:** Focuses on a specific dirty area, cleaning in a spiral pattern.

- **Edge Cleaning:** Cleans along walls and furniture edges to ensure thorough coverage.



Figure 5: Visual representation of the robot vacuum performing various cleaning modes: Automatic, Edge, Spot, and Zig-zag cleaning.

4.3 Suction and Water Flow Adjustment

Adjust the suction power and water flow levels according to your cleaning needs and floor type. There are 3 levels of intensity for both vacuuming and mopping.

- **Suction Levels:** 1000Pa (Quiet Mode), 1400Pa (Standard Mode), 2000Pa (Maximum Mode).
- **Water Flow Levels:** Low, Moderate, Large.

2000PA Large Neck Strong Suction



1000Pa
Quiet Mode



1400Pa
Standard Mode



2000Pa
Maximum Mode

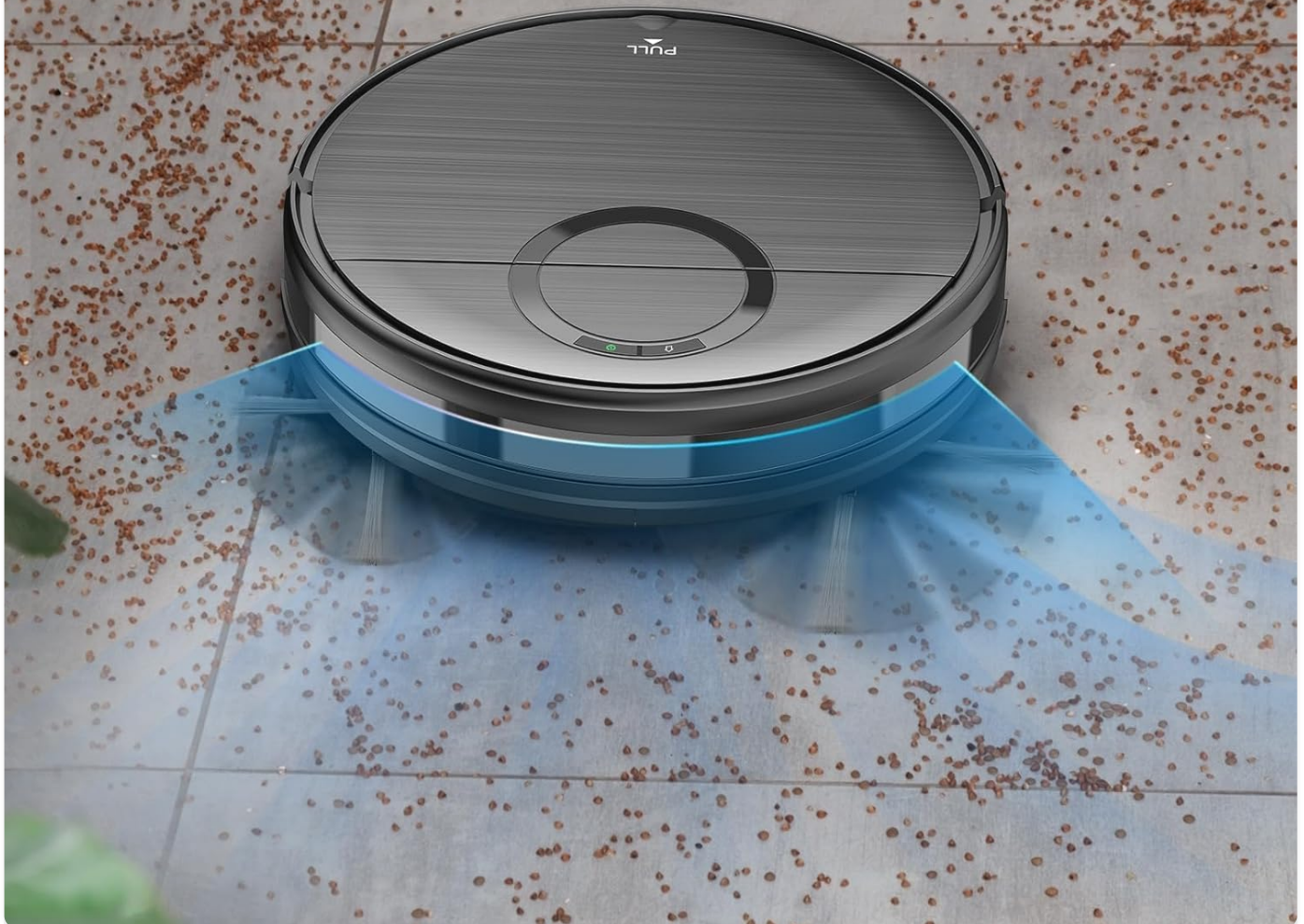



Figure 6: The robot vacuum demonstrating its 2000Pa maximum suction power, with options for 1000Pa (Quiet), 1400Pa (Standard), and 2000Pa (Maximum) modes.

2 in 1 Vacuuming and Mopping

 3 levels of water flow adjustment


 3 levels of suction adjustment



Figure 7: The robot vacuum's 2-in-1 vacuuming and mopping capability, showing adjustable water flow and suction levels.

4.4 Scheduling

Use the Tuya Smart App to set cleaning schedules for automated cleaning sessions. This allows the robot to clean at preferred times, even when you are not home.



Figure 8: A user interacting with the Tuya Smart App to set a cleaning schedule for the robot vacuum.

5. MAINTENANCE

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

5.1 Emptying Dustbin and Water Tank

Empty the dustbin after each cleaning cycle. If using the mopping function, empty and clean the water tank and mopping cloth regularly to prevent odors and maintain hygiene.

5.2 Cleaning Side Brushes

Periodically remove and clean the side brushes to remove tangled hair and debris. Use the provided cleaning brush for this purpose.

5.3 Filter Cleaning/Replacement

Clean the foam and sponge filters regularly. Tap them gently to remove dust or rinse with water if necessary (ensure they are completely dry before re-inserting). Replace filters every 3-6 months, or as needed, to maintain suction efficiency.

5.4 Sensor Cleaning

Wipe the 15 sets of smart infrared sensors with a clean, dry cloth to ensure accurate navigation and obstacle avoidance.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Robot does not turn on.	Low battery; Power button not pressed correctly.	Charge the robot fully. Press and hold the power button for 3-5 seconds.
Robot does not charge.	Charging contacts are dirty; Charging dock is unplugged or obstructed.	Clean charging contacts on both robot and dock. Ensure dock is plugged in and clear of obstacles.
Robot gets stuck frequently.	Too many obstacles; Sensors are dirty.	Clear the cleaning area of excessive clutter. Clean the robot's sensors.

Problem	Possible Cause	Solution
Poor cleaning performance.	Dustbin full; Filters clogged; Side brushes tangled.	Empty dustbin. Clean or replace filters. Clean side brushes.
Mopping function not working.	Water tank empty; Mopping cloth dirty or improperly attached.	Fill water tank. Clean or reattach mopping cloth.
Cannot connect to Tuya Smart App.	Incorrect Wi-Fi band (5GHz); Incorrect pairing mode; Network issues.	Ensure Wi-Fi is 2.4GHz. Follow app connection steps carefully (Bluetooth or AP mode). Restart router and robot.

7. PRODUCT SPECIFICATIONS

Feature	Detail
Brand	MAMNV
Model Name	T7S-1 Robot Vacuum and Mop
Special Feature	Wet/Dry, Simultaneous Vacuuming & Mopping, Scheduling, Anti-Fall, 360-Degree Swivel
Color	Black
Product Dimensions	11.8"L x 11.8"W x 2.9"H
Filter Type	Foam, Sponge
Battery Life	1000 Hours (estimated lifespan)
Voltage	220 Volts
Water Tank Capacity	450 Milliliters
Power Source	Battery Powered
Batteries Included	Yes (1 C battery for robot, 2 AAA for remote)
Control Method	App, Remote, Touch, Voice
Compatible Devices	Smartphones, Amazon Echo, Google Home
Form Factor	Robotic
Item Weight	7.7 pounds
Manufacturer	MAMNV
Date First Available	August 13, 2024

8. WARRANTY AND SUPPORT

The MAMNV T7S Robot Vacuum and Mop Combo comes with professional customer service and a 12-month service period from the date of purchase. For any inquiries, technical assistance, or warranty claims, please contact MAMNV customer support through the contact information provided in your product packaging or on the official MAMNV website.