

VIOMI Alpha 2 Pro

VIOMI Alpha 2 Pro LDS Robot Vacuum Mop Cleaner User Manual

Model: Alpha 2 Pro

1. PRODUCT OVERVIEW

The VIOMI Alpha 2 Pro is an advanced LDS Robot Vacuum Mop Cleaner designed to provide comprehensive floor cleaning. It features an innovative Auto Dumping System 2.0, dual laser LiDAR sensors for precise navigation and obstacle avoidance, and a powerful 4000Pa suction. This 3-in-1 system sweeps, vacuums, and mops, ensuring a thorough clean for your home.

Equipped with state-of-the-art AI technology, the Alpha 2 Pro quickly maps your home and adapts to various environments. Its four-line LDS AI algorithm enables continuous scanning for accurate navigation and revolutionary anti-collision capabilities, avoiding common household items and cleaning close to walls without damage.



Image: The VIOMI Alpha 2 Pro robot vacuum docked with its auto-dumping station.

2. SAFETY INFORMATION

Please read all safety instructions carefully before using the appliance and keep this manual for future reference. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **General Safety:** 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. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- **Electrical Safety:** Use only the original power adapter provided with the appliance. Do not use the appliance if the power cord or plug is damaged. Do not touch the power cord or appliance with wet hands.
- **Water and Moisture:** Do not immerse the appliance or its charging dock in water or other liquids. Do not use the appliance in wet environments or on wet floors.
- **Obstacles:** Clear the area to be cleaned of any loose cables, small objects, or fragile items that could entangle the robot or be damaged.
- **Battery Safety:** The appliance contains a lithium-ion battery. Do not expose the battery to high temperatures or direct sunlight. Do not attempt to disassemble or modify the battery.

3. PACKAGE CONTENTS

Carefully unpack the box and ensure all items are present and in good condition. If any item is missing or damaged, please contact customer support.

- VIOMI Alpha 2 Pro Robot Vacuum Mop Cleaner
- Auto Dumping Station
- Power Cord
- Side Brushes (x2)
- Mop Pad (pre-installed or spare)
- Cleaning Tool
- Dust Bag (pre-installed in auto-dumping station)
- User Manual (this document)

4. PRODUCT COMPONENTS

Robot Vacuum Mop Cleaner



Image: Top view of the VIOMI Alpha 2 Pro robot vacuum, showing the LDS sensor and control buttons.

- **LDS Laser Navigation Sensor:** Located on top, used for 360-degree scanning and mapping.
- **Power/Clean Button:** Press to start/pause cleaning, long press to power on/off.

- **Recharge Button:** Press to send the robot back to the charging dock.
- **Dustbin/Water Tank Compartment:** Located under the top cover.
- **Front Bumper:** Contains anti-collision sensors.
- **Side Brush:** Sweeps debris into the main brush path.
- **Main Brush:** Collects dust and debris.
- **Cliff Sensors:** Prevents the robot from falling down stairs.
- **Charging Contacts:** Connects with the charging dock for power.
- **Omnidirectional Wheel:** Allows for 360-degree movement.
- **Driving Wheels:** Propel the robot.
- **Mop Pad Holder:** Attaches the mop pad for wet cleaning.

Auto Dumping Station



Image: Front view of the VIOMI Alpha 2 Pro robot vacuum docked with its auto-dumping station, highlighting the station's design.

- **Dust Bag Compartment:** Houses the disposable dust bag.
- **Charging Contacts:** Aligns with the robot's charging contacts.
- **Dust Collection Port:** Connects to the robot's dustbin for automatic emptying.
- **Power Indicator Light:** Shows the station's status.

5. SETUP

5.1 Unpacking and Preparation

1. Remove all packaging materials, protective films, and stickers from the robot and the auto-dumping station.
2. Install the side brushes by pressing them onto the square posts on the bottom of the robot until they click into place.
3. Ensure the dustbin and water tank are correctly installed in the robot.

5.2 Auto Dumping Station Placement

1. Place the auto-dumping station on a hard, level surface against a wall.
2. Ensure there is at least 0.5 meters (1.6 feet) of clear space on both sides of the station and 1.5 meters (4.9 feet) in front of it.
3. Plug the power cord into the auto-dumping station and then into a wall outlet. Ensure the power indicator light on the station illuminates.
4. Do not place the station in direct sunlight or in areas with strong reflective objects.

5.3 Initial Charge

1. Place the robot onto the auto-dumping station, ensuring the charging contacts align. The robot will automatically power on and begin charging.
2. For first-time use, fully charge the robot before starting a cleaning cycle. A full charge typically takes 4-5 hours.

5.4 App Connection (Optional but Recommended)

For full functionality and smart features, download the VIOMI Home app (or compatible smart home app) from your mobile app store.

1. Ensure your mobile device is connected to a 2.4GHz Wi-Fi network.
2. Open the app and follow the on-screen instructions to add your VIOMI Alpha 2 Pro. This typically involves resetting the robot's Wi-Fi (refer to app instructions for specific button presses) and connecting to its temporary Wi-Fi hotspot before linking to your home network.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

- **Power On:** Press and hold the Power/Clean button for 3 seconds. The indicator light will illuminate.
- **Power Off:** Press and hold the Power/Clean button for 3 seconds while the robot is stationary.

6.2 Starting a Cleaning Cycle

- **From Robot:** Press the Power/Clean button once. The robot will start cleaning in Auto mode.
- **From App:** Open the app and select the desired cleaning mode (Auto, Spot, Edge, Mop) and press 'Start'.

6.3 Pausing/Resuming Cleaning

- **Pause:** Press the Power/Clean button once during cleaning.

- **Resume:** Press the Power/Clean button again.

6.4 Returning to Charging Dock

- **From Robot:** Press the Recharge button once.
- **From App:** Select the 'Recharge' or 'Go Home' option.

6.5 Mopping Function

1. Remove the water tank from the robot. Open the water inlet and fill it with clean water. Close the inlet securely.
2. Attach the mop pad to the mop pad holder and slide the holder into the designated slot on the robot.
3. Start a cleaning cycle. The robot will automatically dispense water for mopping. You can adjust water volume settings via the app.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your VIOMI Alpha 2 Pro. Always power off the robot before performing any maintenance.

7.1 Auto Dumping Station Dust Bag

- **Frequency:** Replace the dust bag when the indicator light on the station signals it's full, or approximately every 4-6 weeks depending on usage.
- **Procedure:** Open the dust bag compartment cover on the auto-dumping station. Carefully pull out the full dust bag. Dispose of it and insert a new dust bag, ensuring it is properly seated. Close the cover.

7.2 Robot Dustbin and Filter

- **Frequency:** Empty the robot's internal dustbin after each cleaning cycle, especially if not using the auto-dumping feature frequently. Clean the filter weekly.
- **Procedure:** Open the robot's top cover and remove the dustbin. Open the dustbin lid and empty its contents. Remove the HEPA filter and tap it gently to remove dust. Do not wash the HEPA filter with water. Rinse the dustbin with water if necessary, and allow it to air dry completely before reinserting.

7.3 Main Brush and Side Brushes

- **Frequency:** Clean weekly. Replace every 3-6 months.
- **Main Brush:** Flip the robot over. Press the release tabs on the main brush cover to remove it. Lift out the main brush. Use the provided cleaning tool to remove hair and debris tangled around the brush and its bearings. Reinstall the brush and cover.
- **Side Brushes:** Pull the side brushes upwards to remove them. Remove any tangled hair or debris. If damaged, replace with new ones. Push new brushes firmly onto the posts.

7.4 Sensors and Charging Contacts

- **Frequency:** Wipe monthly.
- **Procedure:** Use a clean, dry cloth to gently wipe the cliff sensors (on the bottom of the robot), wall sensors (on the side bumper), and the charging contacts on both the robot and the auto-dumping station.

7.5 Water Tank and Mop Pad

- **Frequency:** Clean the mop pad after each use. Clean the water tank as needed.
- **Procedure:** Remove the mop pad from its holder and rinse it thoroughly with water. Allow it to air dry completely. Empty any remaining water from the water tank and rinse it out. Allow it to air dry before reinserting.

8. TROUBLESHOOTING

If you encounter issues with your VIOMI Alpha 2 Pro, refer to the following common problems and solutions. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
Robot does not power on.	Low battery; Power button not pressed long enough.	Place robot on charging dock; Press and hold Power button for 3 seconds.
Robot cannot return to charging dock.	Dock is blocked; Robot is too far; Charging contacts are dirty.	Clear obstacles around dock; Manually place robot near dock; Clean charging contacts.
Poor cleaning performance.	Dustbin full; Brushes tangled; Filter clogged.	Empty dustbin; Clean main/side brushes; Clean/replace filter.
Robot gets stuck frequently.	Too many obstacles; Sensors are dirty.	Clear area before cleaning; Clean all sensors.
Auto-dumping not working.	Dust bag full; Dust collection port blocked.	Replace dust bag; Check for blockages in the dust collection port.
App connection issues.	Incorrect Wi-Fi password; Robot too far from router; 5GHz Wi-Fi network.	Ensure correct 2.4GHz Wi-Fi; Move robot closer to router; Reset robot Wi-Fi and try again.

9. SPECIFICATIONS

Feature	Specification
Brand	VIOMI
Model Name	Alpha 2 Pro
Product Dimensions (Robot)	35L x 35W x 9.8H centimetres
Colour	Black
Power Source	Battery Powered
Battery Type	Lithium Ion
Battery Capacity	5200mAh
Suction Power	4000Pa

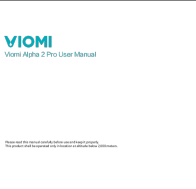
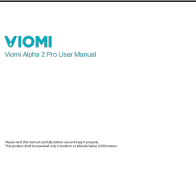



Feature	Specification
Water Tank Capacity	320ml
Max Cleaning Area	420m ² (on a single charge)
Special Features	Portable, Four line lasers for obstacle avoidance, Auto-dumping System 2.0, Triple Filtering System, 3-in-1 mopping/sweeping/vacuuming

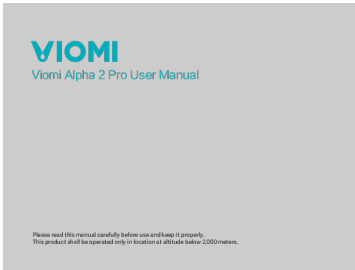
10. WARRANTY AND SUPPORT

The VIOMI Alpha 2 Pro comes with a Limited Warranty. Please refer to the warranty card included in your package or contact your point of purchase for specific terms and conditions regarding warranty coverage and duration. For technical support, troubleshooting assistance beyond what is covered in this manual, or inquiries about replacement parts, please contact VIOMI customer service or your local distributor. Have your product model and purchase information ready when contacting support.

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Related Documents - Alpha 2 Pro

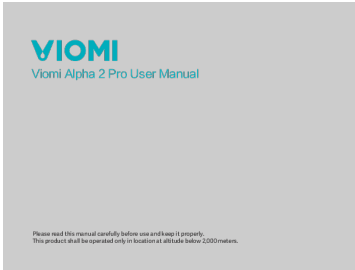
	<p>Viomi Alpha 2 Pro Robot Vacuum-Mop User Manual</p> <p>Comprehensive user manual for the Viomi Alpha 2 Pro robot vacuum-mop, covering safety information, packing list, product introduction, installation, operation, maintenance, specifications, troubleshooting, and FAQs.</p>
	<p>Viomi Alpha 2 Pro Robot Vacuum User Manual</p> <p>This user manual provides comprehensive instructions for the Viomi Alpha 2 Pro robot vacuum, covering safety information, product introduction, installation, operation, maintenance, specifications, troubleshooting, and FAQs.</p>
	<p>Mi Robot Vacuum-Mop P User Manual: Setup, Operation, and Maintenance</p> <p>Comprehensive user manual for the Mi Robot Vacuum-Mop P (Model STYTJ02YM), covering safety, installation, operation, cleaning, maintenance, troubleshooting, and specifications. Learn how to use your smart robot vacuum and mop effectively.</p>
	<p>Mi Robot Vacuum-Mop Pro STYTJ02YM User Manual and Guide</p> <p>Comprehensive user manual for the Xiaomi Mi Robot Vacuum-Mop Pro (STYTJ02YM). Covers setup, operation, maintenance, Wi-Fi connection, app usage, troubleshooting, and technical specifications for this robot vacuum cleaner.</p>
	<p>Viomi V3 Max Robot Vacuum Cleaner User Manual</p> <p>Comprehensive user manual for the Viomi V3 Max robot vacuum cleaner, covering setup, operation, maintenance, troubleshooting, and specifications.</p>



[Viomi Alpha 2 Pro Robot Vacuum User Manual](#)

This user manual provides comprehensive instructions for the Viomi Alpha 2 Pro robot vacuum, covering safety information, product introduction, installation, operation, maintenance, specifications, troubleshooting, and FAQs.

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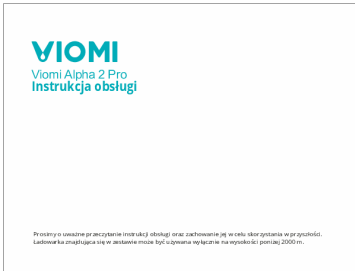


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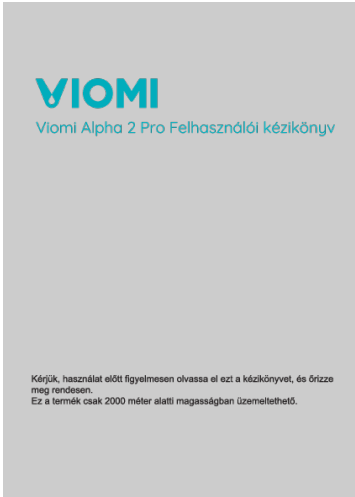


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