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> [MAMNV BR151 Robot Vacuum and Mop Combo User Manual](#)

MAMNV BR151 Robot Vacuum and Mop Combo

MAMNV BR151 Robot Vacuum and Mop Combo User Manual

Your comprehensive guide to operating and maintaining your MAMNV BR151 2-in-1 Mopping Robot Vacuum Cleaner.

Introduction	Safety Information	Package Contents	Product Overview	Setup
Operating Instructions	Maintenance	Troubleshooting	Specifications	Warranty & Support

1. INTRODUCTION

Thank you for choosing the MAMNV BR151 Robot Vacuum and Mop Combo. This intelligent 2-in-1 cleaning device is designed to simplify your home cleaning routine, offering both powerful vacuuming and efficient mopping capabilities. With advanced features like smart app control, various cleaning modes, and intelligent obstacle avoidance, the BR151 ensures a thorough and worry-free cleaning experience for hard floors and low-pile carpets.



Figure 1.1: The MAMNV BR151 Robot Vacuum and Mop Combo, showcasing the main unit, remote control, and the accompanying smartphone application interface.

2. IMPORTANT SAFETY INFORMATION

Please read this manual carefully before operating the BR151 Robot Vacuum and Mop Combo 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.
- Children should be supervised to ensure they do not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- Only use the original power adapter provided by the manufacturer. Using an incompatible adapter may cause electric shock, fire, or damage to the robot.
- Do not use the robot in environments with open flames, flammable or explosive materials, or in extremely hot or cold

conditions.

- Before cleaning, remove any loose cables, small objects, or fragile items from the floor to prevent entanglement or damage.
- The robot is equipped with fall induction technology. Ensure it is used on surfaces where it can detect drops (e.g., stairs) to prevent falls.
- Do not immerse the robot or its electronic components in water. Only the dustbin and water tank are washable.
- Turn off the robot and unplug the charging dock before performing any maintenance or cleaning.

3. PACKAGE CONTENTS

Verify that all components are present and in good condition upon opening the package:

- BR151 Robotic Vacuum Cleaner
- Remote Control (2 AAA batteries included)
- Charging Dock
- Power Adapter
- 230mL Water Tank (with washable mopping cloth)
- 220mL Dustbin (with high efficiency filter)
- 2 Side Brushes
- User Manual
- FQA (Frequently Asked Questions)
- Networking Guide

4. PRODUCT OVERVIEW

4.1 Robot Vacuum Components

Large-caliber suspension suction mouth



Close to the ground, Clean thoroughly
Meet the needs of different occasions
ground cleaning



Figure 4.1: Underside view of the robot vacuum, highlighting the large-caliber suspension suction mouth, side brushes, and main wheels. This design is effective for picking up various debris including hair, coffee spills, beans, dust, and general debris.

The BR151 features a sleek, ultra-thin design, allowing it to easily navigate under furniture. Its main components include:

- **Top Panel:** Power button/indicator, Wi-Fi indicator.
- **Front Bumper:** Houses infrared sensors for obstacle avoidance.
- **Side Brushes:** Two rotating brushes to sweep debris into the suction path.
- **Main Wheels:** Large wheels designed to move easily from hard floors to carpets, overcoming thresholds up to 1.5 cm.
- **Suction Port:** A brushless suction port designed to prevent hair entanglement, ideal for pet owners.
- **Dustbin:** Located inside the robot, for collecting dry debris.
- **Water Tank:** Attachable for mopping functions, with an electronic control system for water flow.
- **Charging Contacts:** On the underside, for connecting to the charging dock.
- **Fall Sensors:** Detect drops and prevent the robot from falling down stairs.



Figure 4.2: The robot vacuum's ultra-thin design (2.87 inches) enables it to clean effectively under low-clearance furniture, ensuring thorough cleaning in hard-to-reach areas.

5. SETUP GUIDE

5.1 Preparing the Robot

1. **Remove Protective Films:** Before first use, remove all protective films from the robot and charging dock.
2. **Install Side Brushes:** Snap the two side brushes onto their respective posts on the underside of the robot.
3. **Install Dustbin/Water Tank:**
 - For vacuuming only, ensure the 220mL dustbin with filter is correctly inserted.
 - For mopping, fill the 230mL water tank with clean water (do not use cleaning solutions that may clog the system), attach the washable mopping cloth, and then insert the water tank into the robot.

5.2 Setting Up the Charging Dock

1. **Choose a Location:** Place the charging dock 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 dock.
2. **Connect Power:** Plug the power adapter into the charging dock and then into a wall outlet. The indicator light on the charging dock will illuminate.
3. **Initial Charge:** Place the robot onto the charging dock, ensuring the charging contacts align. The robot will begin charging. For first use, fully charge the robot (approximately 4-5 hours) until the indicator light turns solid green.



Figure 5.1: The robot vacuum automatically returns to its charging dock when its battery is low or when a cleaning cycle is complete. The 2500mAh battery provides approximately 100 minutes of runtime.

5.3 Connecting to the Tuya Smart App

The Tuya Smart App allows for advanced control and scheduling of your robot vacuum. **Note: The app only supports 2.4GHz WiFi networks.**

1. **Download App:** Search for "Tuya Smart" in your smartphone's app store (Android or Apple) and download the application.

2. **Register/Login:** Open the app and register a new account or log in if you already have one.
3. **Add Device:** Tap "+" or "Add Device" in the app. Select "Small Home Appliance" > "Robot Vacuum" or use the auto-scan feature.
4. **Connect to Wi-Fi:** Follow the on-screen instructions to connect the robot to your home's 2.4GHz Wi-Fi network. You may need to put the robot into pairing mode (refer to the Networking Guide for specific steps, usually involves pressing and holding a button on the robot).
5. **Name Device:** Once connected, you can name your robot vacuum for easy identification.



Set with the APP
Schedule your robot's floor cleaning routine.

- AUTO** Auto-Cleaning
- Timing Cleaning**
- Edge Cleaning**
- Zig-zag Cleaning**
- Spot Cleaning**

Figure 5.2: The Tuya Smart App interface allows users to set cleaning schedules, select cleaning modes (Auto, Timing, Edge, Zig-zag, Spot), and monitor the robot's status.

6. OPERATING INSTRUCTIONS

6.1 Starting and Pausing Cleaning

- **From Robot:** Press the power button on the robot's top panel to start or pause cleaning.

- **From Remote Control:** Use the "Start/Pause" button on the remote control.
- **From App:** Use the "ON/OFF" or "Start" button within the Tuya Smart App.

6.2 Cleaning Modes

The BR151 offers multiple cleaning modes to suit different needs, selectable via the remote control or Tuya Smart App:

- **Auto Cleaning:** The robot automatically cleans in a systematic pattern, adjusting to different floor types and obstacles.
- **Spot Cleaning:** The robot intensely cleans a specific area in a spiral pattern, ideal for concentrated dirt.
- **Edge Cleaning:** The robot cleans along walls and furniture edges to ensure thorough coverage.
- **Zig-zag Cleaning:** The robot cleans in a Z-shaped path, providing high coverage and efficiency, reducing missed areas by up to 30%.

6.3 Mopping Function

To use the mopping function, ensure the water tank with the mopping cloth is installed. The BR151 features an intelligent mopping system with adjustable water flow:

- **Water Flow Adjustment:** Through the Tuya Smart App, you can set two different water flow levels (low/high) to match your specific cleaning needs and floor type. This ensures even penetration and prevents over-soaking.
- **Recommended Use:** The mopping function is suitable for all hard floors such as laminate, ceramic tiles, granite, and parquet.

Two levels of intensity adjustable as needed



Intelligent precision electric control water tank Uniform water discharge, will not soak the floor



Figure 6.1: The robot vacuum offers two adjustable levels of water intensity for its mopping function, allowing for precise control over water discharge to prevent floor saturation.

6.4 Scheduling Cleaning

You can set a cleaning schedule using the Tuya Smart App to automate your cleaning routine. Follow the app's instructions to set specific times and days for the robot to clean.

6.5 Voice Control

The robot vacuum is compatible with Google Assistant. Once connected through the Tuya Smart App, you can use voice commands to start or stop cleaning. Refer to the app's integration guide for specific voice commands.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your BR151 robot vacuum. Always turn off the robot and unplug the charging dock before performing maintenance.

7.1 Emptying and Cleaning the Dustbin

1. Press the dustbin release button and pull out the dustbin.
2. Open the dustbin cover and empty the debris into a trash can.
3. Remove the high-efficiency filter and foam filter. Tap them gently to remove dust. Do not wash the high-efficiency filter with water.
4. Rinse the dustbin with water. Ensure it is completely dry before reinserting it into the robot.
5. Reinstall the filters and close the dustbin cover.

Frequency: Empty after each use. Clean filters weekly.

7.2 Cleaning the Water Tank and Mopping Cloth

1. Remove the water tank from the robot.
2. Empty any remaining water.
3. Detach the mopping cloth. Rinse the mopping cloth thoroughly with water and allow it to air dry.
4. Rinse the water tank with clean water. Allow it to air dry completely before storage or refilling.

Frequency: Clean after each mopping session.

7.3 Cleaning Side Brushes

1. Gently pull the side brushes upwards to remove them.
2. Remove any hair or debris tangled around the brushes or their posts.
3. Reinstall the brushes, ensuring they click into place.

Frequency: Check weekly, clean as needed.

7.4 Cleaning Sensors and Charging Contacts

Wipe the fall sensors (on the underside) and charging contacts (on the robot and charging dock) with a clean, dry cloth. This ensures proper navigation and charging.

Frequency: Monthly or as needed.

8. TROUBLESHOOTING

If your BR151 robot vacuum encounters an issue, refer to the following table for common problems and solutions. For more detailed troubleshooting, consult the FQA document included in your package or contact customer support.

Problem	Possible Cause	Solution
Robot does not turn on.	Low battery; Power switch off.	Charge the robot; Ensure the main power switch is ON.
Robot does not charge.	Charging contacts dirty; Charging dock not powered.	Clean charging contacts on robot and dock; Ensure power adapter is plugged in.
Suction power is weak.	Dustbin full; Filter clogged; Suction port blocked.	Empty dustbin; Clean/replace filter; Clear any blockages from suction port.

Problem	Possible Cause	Solution
Robot gets stuck frequently.	Too many obstacles; Wheels tangled.	Clear floor of loose cables/small objects; Clean debris from wheels.
Mopping function not working.	Water tank empty; Water outlet clogged; Mopping cloth not attached.	Fill water tank; Clean water outlet; Attach mopping cloth correctly.
App connection failed.	Incorrect Wi-Fi (not 2.4GHz); Robot not in pairing mode; Router issues.	Ensure 2.4GHz Wi-Fi; Re-enter pairing mode; Restart router.

9. SPECIFICATIONS

Feature	Detail
Model Name	BR151 Robot Vacuum and Mop Combo
Brand	MAMNV
Product Dimensions	11.8"L x 11.8"W x 2.87"H
Item Weight	7.98 pounds
Suction Power	2300Pa
Dustbin Capacity	220mL
Water Tank Capacity	230mL
Battery Capacity	2500mAh Lithium Ion
Runtime	Up to 100 minutes
Charging Time	Approx. 4-5 hours
Connectivity	Wi-Fi (2.4GHz only), App Control (Tuya Smart), Remote Control, Voice Control (Google Assistant)
Filter Type	Foam, High-efficiency filter
Threshold Crossing Ability	Up to 1.5 cm (0.59 inches)
Date First Available	August 11, 2023

10. WARRANTY AND CUSTOMER SUPPORT

The MAMNV BR151 Robot Vacuum and Mop Combo comes with a **12-month service warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.

The warranty does not cover:

- Damage caused by improper use, negligence, or accident.
- Damage caused by unauthorized repairs or modifications.
- Normal wear and tear of consumable parts (e.g., filters, side brushes, mopping cloths).

- Damage caused by using non-original parts or accessories.

For warranty claims, technical assistance, or any questions regarding your product, please contact MAMNV professional customer service. Refer to the contact information provided in the FQA or Networking Guide included with your product, or visit the official MAMNV website.

