



[Manuals.plus](#) /

> [BPMIO](#) /

> BPMIO Robot Vacuum and Mop Combo B12 User Manual

BPMIO B12

BPMIO Robot Vacuum and Mop Combo B12 User Manual

Model: B12
Brand: BPMIO

1. INTRODUCTION AND OVERVIEW

The BPMIO Robot Vacuum and Mop Combo B12 is an advanced smart cleaning device designed to efficiently vacuum and mop various floor types. Featuring precise LiDAR navigation, powerful suction, and intelligent app control, it offers a comprehensive solution for maintaining a clean home environment. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance of your device.



Image 1.1: The BPMIO Robot Vacuum and Mop Combo B12, showcasing the main unit, charging dock, and included accessories like side brushes and mop cloths.

2. PRODUCT FEATURES

- **4500Pa Max Suction Power:** Equipped with a brushless motor, offering three adjustable suction levels (Eco 1000Pa, Standard 2000Pa, Max 4500Pa) and intelligent carpet boost for effective cleaning of dust and pet hair.

4500Pa Strong Suction Power

3 Adjustable Suction Levels for Carpets, Pet Hair



Image 2.1: The robot vacuum actively cleaning, illustrating its powerful 4500Pa suction capability.

- **360° LiDAR Navigation:** Utilizes advanced SLAM algorithms for rapid home scanning, accurate map generation (3x faster than standard LDS robots), and efficient route planning. It can store up to 5 floor maps.

Precise 360° LiDAR Navigation



Image 2.2: Visual representation of the robot's 360° LiDAR navigation system, enabling precise mapping and route planning.

- **Smart App and Voice Control:** Compatible with the Smart Life App, Alexa, and Google Assistant. Allows for customized cleaning schedules, room cleaning order, suction power adjustment, and various cleaning modes (smart, edge, zone, spot, scheduled).
- **No-Go Zones & Virtual Walls:** Set up to 7 no-sweep zones, 7 no-mop zones, and 20 virtual walls via the app to restrict access to specific areas.
- **Extended Runtime & Self-Charging:** Supports up to 145 minutes of cleaning in low mode. Automatically returns to the charging dock when battery is below 15% and resumes cleaning from where it left off once charged to 80%.
- **2-in-1 Vacuum & Mop Combo:** Features Y-shaped mopping for deeper cleaning, 3 adjustable water levels, a 270ml electronically controlled water tank, and a 350ml dustbin with a dustproof HEPA filter.

2-in-1 Vacuum & Mop

Upgraded Water Tank to Prevent Leaks



Image 2.3: The robot vacuum performing both vacuuming and mopping functions, highlighting its integrated water tank and dustbin.

- **Versatile Surface Cleaning:** Effectively cleans hard floors, wood floors, and low-pile carpets. Can overcome obstacles up to 20mm and 10° slopes. Enhanced Edge Cleaning Sensor 2.0 ensures thorough corner cleaning.

3. SETUP

3.1 Unboxing and Component Check

Carefully remove all components from the packaging. Ensure all items listed below are present and undamaged:

- B12 Robot Vacuum
- Charging Dock
- HEPA Filters (x2)
- Side Brushes (x2)
- Mop Cloths (x2)
- Cleaning Brush
- User Manual

- Quick Guide
- Power Adapter
- Mop Cloth Holder
- Electric Control Water Tank



Image 3.1: All components included in the BPMIO Robot Vacuum B12 package.

3.2 Charging Dock Placement

Place the charging dock against a wall in an open area. Ensure there is at least 1.6 feet (0.5m) of clear space on both sides and 4.9 feet (1.5m) in front of the dock for the robot to navigate freely. Plug the power adapter into the charging dock and a power outlet.

3.3 Initial Charge

Place the robot vacuum onto the charging dock. Ensure the charging contacts on the robot align with those on the dock. The robot will begin charging automatically. For first-time use, fully charge the robot before operation.

3.4 App Installation and Wi-Fi Connection

Download the 'Smart Life' app from your smartphone's app store. Follow the in-app instructions to add your BPMIO B12 robot vacuum. **Note: The robot only supports 2.4GHz Wi-Fi networks.** Ensure your Wi-Fi is set to 2.4GHz during the pairing process.

3.5 Initial Mapping

After connecting to the app, initiate a 'Smart Cleaning' or 'Mapping' cycle. The robot will use its LiDAR navigation to scan and create a detailed map of your home. This map is crucial for efficient cleaning and allows you to set up customized cleaning zones and virtual walls.





4. OPERATING INSTRUCTIONS

4.1 Starting and Stopping Cleaning

- **Via App:** Open the Smart Life app, select your device, and choose a cleaning mode (e.g., Smart Cleaning, Zone Cleaning, Spot Cleaning).
- **Via Robot Buttons:** Press the power button on the robot to start or pause cleaning. Press the home button to send the robot back to its charging dock.
- **Voice Control:** Use voice commands with Alexa or Google Assistant (e.g., "Alexa, turn on robot vacuum").

App and Voice Control

Only supports **2.4GHz** WiFi networks

-  Suction Control
-  Route Tracking
-  Scheduled Cleaning
-  Custom Routines

-  Smart Life App
-  Amazon Alexa
-  Google Home

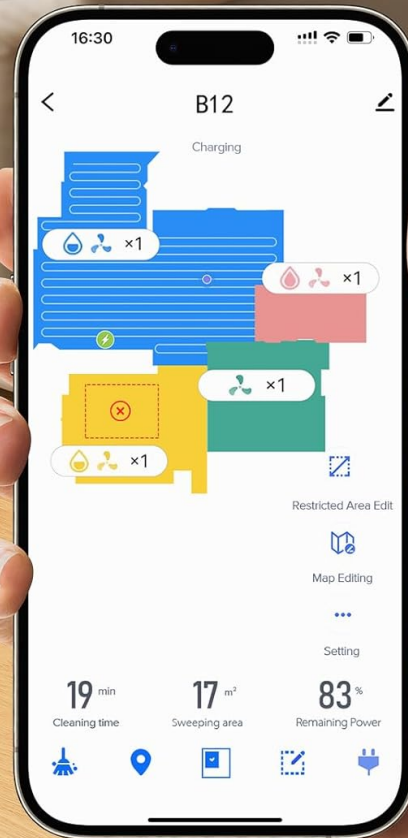


Image 4.1: The Smart Life app interface, demonstrating various control options for the robot vacuum.

4.2 Customized Cleaning and Scheduling

The app allows for extensive customization:

- **Schedule Cleaning:** Set specific times for the robot to clean automatically.
- **Zone Cleaning:** Define specific areas on the map for the robot to clean.
- **Spot Cleaning:** Direct the robot to clean a concentrated area.
- **Multi-Floor Maps:** Store up to 5 different floor maps, ideal for multi-level homes.

DIY Your Cleaning Needs by APP



Image 4.2: Customizing cleaning tasks and schedules through the mobile application.

4.3 Setting No-Go Zones and Virtual Walls

After mapping, use the app to draw virtual boundaries:

- **No-Go Zones:** Areas the robot will avoid entirely.
- **No-Mop Zones:** Areas the robot will vacuum but not mop (e.g., carpets).
- **Virtual Walls:** Invisible barriers to prevent the robot from entering certain rooms or sections.

Restricted Zone Settings

Support Virtual Wall (20Max), No-Go-Zone (7Max), No-Mop-Zone(7Max)



Image 4.3: Examples of setting restricted zones, including virtual walls and no-mop zones, within the app.

4.4 Mopping Function

To use the mopping function:

1. Fill the electric control water tank with clean water. Do not use traditional floor cleaners.
2. Attach a clean mop cloth to the mop cloth holder and then attach it to the robot.
3. Select the desired water flow level (3 options) in the app.
4. Start a cleaning cycle. The robot will perform Y-shaped mopping for thorough cleaning.

4.5 Recharge and Resume

The robot is designed to manage its battery life efficiently. If the battery level drops below 15% during a cleaning cycle, it will automatically return to the charging dock. Once the battery reaches 80%, it will resume cleaning from where it left off.

Recharge & Resume

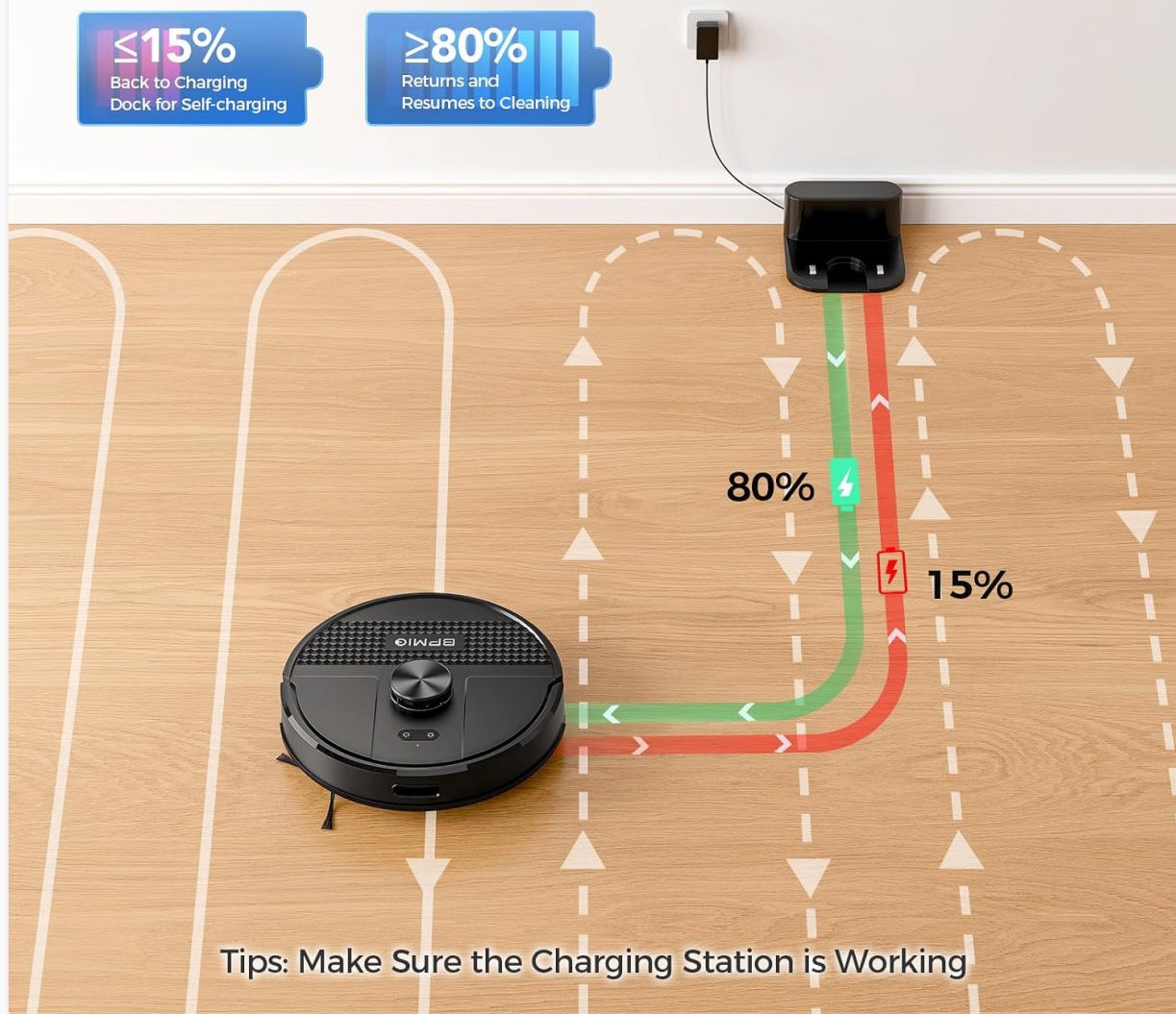


Image 4.4: The robot's intelligent recharge and resume feature, ensuring uninterrupted cleaning performance.

5. MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your BPMIO Robot Vacuum. Always turn off the robot and disconnect it from the charging dock before performing any maintenance.

5.1 Emptying the Dustbin

Empty the 350ml dustbin after each cleaning cycle, especially if you have pets or a large area to clean. Press the release button to remove the dustbin, open it, and discard the collected debris.

5.2 Cleaning the HEPA Filter

The HEPA filter captures 99.69% of dust particles. Tap the filter gently to remove loose dust. For deeper cleaning, rinse the filter with water (ensure it's completely dry before re-inserting). Replace the HEPA filter every 3-6 months, or as needed, to maintain suction efficiency.

5.3 Mop Cloth Maintenance

Remove the mop cloth after each mopping session. The mop cloths are machine washable. Wash them regularly to prevent odor and maintain cleaning effectiveness. Ensure they are completely dry before

reattaching.

5.4 Side Brush and Main Brush Cleaning

Regularly check the side brushes and main brush for tangled hair or debris. Use the included cleaning tool to cut and remove any wrapped hair. Replace worn-out brushes to ensure effective sweeping.

5.5 Sensor Cleaning

Wipe the anti-drop sensors, obstacle avoidance sensors, and charging contacts with a clean, dry cloth to ensure proper functionality and navigation.

6. TROUBLESHOOTING

If you encounter issues with your BPMIO Robot Vacuum, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Robot does not turn on or charge.	Charging contacts are dirty or misaligned; power adapter not connected.	Clean charging contacts on both robot and dock. Ensure power adapter is securely plugged in.
Robot cannot connect to Wi-Fi.	Incorrect Wi-Fi band (5GHz); weak signal; incorrect password.	Ensure your Wi-Fi is 2.4GHz . Move robot closer to router. Re-enter Wi-Fi password carefully.
Robot gets stuck frequently.	Obstacles (cables, small items); shag carpets.	Clear the cleaning area of loose cables and small objects. For shag carpets, set up no-go zones.
Poor suction performance.	Full dustbin; clogged filter; tangled brushes.	Empty dustbin. Clean or replace HEPA filter. Clean main and side brushes.
Mopping leaves streaks or is ineffective.	Dirty mop cloth; insufficient water; incorrect water level setting.	Wash mop cloth. Refill water tank. Adjust water flow level in the app.

Common Questions:

- **Why does the B12 robot vacuum have only one side brush?**

This design facilitates efficient cleaning patterns and smart sensor-guided wall-edge cleaning.



Image 6.1: Explanation of the single side brush design.

- **Can the robot vacuum perform effectively on carpets?**

Yes, our robot vacuum can effectively clean low-pile carpets, with a maximum climbing height from hard floors to low-pile carpets of 20 millimeters. For shag carpets, we recommend setting up no-go zones to prevent the vacuum from getting stuck.



Image 6.2: Information regarding carpet cleaning capabilities.

7. SPECIFICATIONS

Feature	Detail
Model Name	B12
Item Model Number	B20
Suction Power	Max 4500Pa (3 adjustable levels)
Navigation Type	360° LiDAR Navigation
Battery Life	Up to 145 minutes (low mode)
Dustbin Capacity	350ml
Water Tank Capacity	270ml (3 water flow levels)
Filter Type	HEPA
Control Method	App, Touch, Voice (Alexa, Google Assistant)
Wi-Fi Compatibility	2.4GHz networks only
Robot Dimensions (L x W x H)	12.59" x 12.59" x 3.66"
Charging Dock Dimensions (L x W x H)	5.75" x 3.98" x 2.60"
Item Weight	6.17 pounds
Color	Black



Image 7.1: Detailed dimensions of the robot vacuum and recommended installation range for the charging dock.

8. WARRANTY AND SUPPORT

Your BPMIO Robot Vacuum and Mop Combo B12 comes with a **2-Years Warranty** from the date of purchase. This warranty covers manufacturing defects and ensures reliable performance of your device.

For any questions, technical assistance, or warranty claims, please contact BPMIO customer support. Our responsive and knowledgeable team is dedicated to assisting you with troubleshooting, tips, and guidance to ensure your satisfaction.

Please refer to the Quick Guide included in your package for contact information or visit the official BPMIO website for further support resources.