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Panda Plus AMG-R1

Panda Plus AMG-R1 Robot Vacuum Cleaner User Manual

Model: AMG-R1

Introduction

The Panda Plus AMG-R1 is an intelligent 3-in-1 robot vacuum cleaner designed to sweep, vacuum, and mop your floors. It features Wi-Fi connectivity, voice control compatibility with Alexa and Google Assistant, and multiple cleaning modes for efficient home cleaning. Its compact design allows it to reach difficult areas, including under low furniture.



Image: The Panda Plus AMG-R1 robot vacuum cleaner, a sleek black circular device, shown on a clean floor.

Product Components

Please check the package contents to ensure all items are present:

- 01 Panda Plus AMG-R1 Robot Vacuum Cleaner (with integrated rechargeable battery)
- 01 Charging Station (base)
- 01 Bivolt Power Adapter (AC/DC)
- 01 Remote Control
- 02 Side Brushes
- 01 HEPA Filter
- 01 Cleaning Tool (small brush)
- 01 User Manual (this document)



Image: A layout of all included accessories: the robot vacuum, charging dock, power adapter, remote control, two side brushes, a HEPA filter, and a mop cloth.

Setup

1. **Charging Station Placement:** Place the charging station against a wall in an open area, ensuring there are no obstacles within 1 meter (3 feet) to the sides and 2 meters (6 feet) in front. Connect the power adapter to the charging station and plug it into a power outlet.
2. **Initial Charging:** Place the robot vacuum onto the charging station. Ensure the charging contacts on the robot align with those on the station. The indicator light on the robot will show charging status. Allow approximately 4 to 5 hours for a full charge before first use.
3. **Install Side Brushes:** Snap the two side brushes into their designated slots on the bottom of the robot until they click into

place.

4. **App Connection (Optional):**
    - Download the "PandaPlus" or "Tuya" app from your smartphone's app store (Android/iOS).
    - Register or log in to your account.
    - Follow the in-app instructions to add your AMG-R1 robot vacuum. Ensure your Wi-Fi network is 2.4GHz.
5. **Remote Control:** Insert batteries (not included) into the remote control. The remote control can be used for direct operation without the app.

Operating Instructions

Starting a Cleaning Cycle

- **Manual Start:** Press the power button on the robot or the "Clean" button on the remote control/app to start cleaning.
- **Scheduled Cleaning:** Use the app to set specific cleaning times. The robot will automatically start cleaning at the programmed times.
- **Voice Control:** If connected to Alexa or Google Assistant, use voice commands such as "Alexa, turn on the robot vacuum" or "Hey Google, start cleaning."



Image: An illustration showing the robot vacuum being controlled by voice commands via smart speakers, demonstrating compatibility with Alexa and Google Assistant.

Cleaning Modes

The AMG-R1 offers four cleaning modes, selectable via the remote control or app:

- **Random Mode:** The robot moves in a random pattern, covering the entire area.
- **Wall Follow Mode:** The robot cleans along the edges of walls and furniture.
- **Spiral Mode:** The robot cleans in a spiral pattern, ideal for concentrated dirty areas.
- **Manual Mode:** Control the robot's movement manually using the remote control or app.

Using the Mop Function (Wet Cleaning)

The AMG-R1 can perform wet cleaning simultaneously with sweeping and vacuuming.

1. Fill the 150ml water tank with clean water.
2. Attach the mop cloth securely to the water tank.

3. Install the water tank assembly into the designated slot on the robot.
4. Start a cleaning cycle. Water will be released by capillarity for continuous mopping.

Note: This model is not recommended for cleaning carpets or thick rugs.



Image: The robot vacuum actively sweeping and mopping a tiled floor, showing its 3-in-1 functionality. Below, the robot is shown returning to its charging dock, with text indicating 70 minutes of autonomy.

Pet-Friendly Features

The AMG-R1 is designed with pet owners in mind:

- **Special Filter:** Helps capture pet hair and minimize airborne allergens.
- **Silent Mode:** Operates with low noise (75dB) to avoid startling pets during cleaning.



Image: A robot vacuum on a rug next to a dog, illustrating its pet-friendly features such as a special filter for pet hair, sensors to avoid obstacles, and a silent mode for quiet operation.

Safety Features

The AMG-R1 is equipped with intelligent sensors to ensure safe and efficient operation:

- **Anti-Fall Sensors:** Detects drops and prevents the robot from falling down stairs or off ledges.
- **Anti-Collision Sensors:** Helps the robot navigate around furniture and obstacles, protecting both the robot and your belongings.
- **Obstacle Transposition:** Capable of overcoming obstacles up to 1.5 cm (0.6 inches) high, such as door sills and thin rugs.
- **Automatic Return to Base:** When the battery is low, the robot automatically returns to its charging station to recharge.



Image: The robot vacuum approaching a set of stairs, with visual cues indicating its anti-fall sensors are active, preventing it from falling.

Maintenance

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

1. **Emptying the Dust Collector:**
    - Press the dustbin release button and pull out the 400ml dust collector.
    - Open the dustbin lid and empty its contents into a trash can.
    - Rinse the dustbin with water if necessary, ensuring it is completely dry before reinserting.
2. **Cleaning the HEPA Filter:**
    - Remove the HEPA filter from the dust collector.
    - Tap the filter gently to remove dust and debris. Do not wash the HEPA filter with water.
    - Replace the HEPA filter every 3-6 months, depending on usage.

3. **Cleaning Side Brushes:**
    - Periodically remove the side brushes.
    - Use the provided cleaning tool or a pair of scissors to cut and remove any tangled hair or debris.
    - Wipe the brushes clean and reattach them.
4. **Cleaning Sensors and Charging Contacts:**
    - Wipe the anti-fall sensors (located on the bottom of the robot) and anti-collision sensors (on the bumper) with a clean, dry cloth.
    - Clean the charging contacts on both the robot and the charging station to ensure proper connection.
5. **Water Tank and Mop Cloth:**
    - After each wet cleaning cycle, empty any remaining water from the tank.
    - Remove and wash the mop cloth. Allow it to air dry completely before storing or reusing.

Troubleshooting

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; power adapter not connected.	Clean charging contacts; ensure power adapter is securely plugged in.
Poor suction or cleaning performance.	Dust collector full; filter clogged; side brushes tangled.	Empty dust collector; clean/replace filter; clean side brushes.
Robot gets stuck frequently.	Too many obstacles; sensors dirty.	Clear the cleaning area; clean sensors.
Wi-Fi connection issues.	Incorrect Wi-Fi password; 5GHz network; robot too far from router.	Verify password; ensure 2.4GHz network; move robot closer to router.

Specifications

Model: AMG-R1

Functions: 3-in-1 (Sweep, Vacuum, Mop)

Suction Power: 1000 PA

Dust Collector Capacity: 400 ml

Water Tank Capacity: 150 ml

Battery: 2000 mAh 7.4V Lithium-Ion

Runtime: Up to 70 minutes

Charging Time: Approximately 4-5 hours

Noise Level: 75 dB

Connectivity: Wi-Fi 2.4GHz, App (PandaPlus/Tuya), Remote Control, Voice Control (Alexa, Google Assistant)

Sensors: Anti-Fall, Anti-Collision

Obstacle Climbing Ability: Up to 1.5 cm (0.6 inches)

Material: ABS Plastic

Dimensions (L x W x H): 29 x 29 x 7.8 cm (11.4 x 11.4 x 3.1 inches)

Weight: 1.7 kg (3.7 lbs)

Power Adapter: Bivolt (100-240V, 50/60Hz input; 19V 0.6A output)



Image: An infographic highlighting the intelligent features of the robot vacuum, including 70 min autonomy, bivolt compatibility, anti-fall/anti-collision sensors, 1000 PA suction, voice command, scheduling, and various cleaning modes (Random, Manual, Wall Follow, Spiral).

Warranty

This Panda Plus AMG-R1 robot vacuum cleaner comes with a**6-month warranty** against manufacturing defects from the date of purchase. Please retain your proof of purchase for warranty claims.



Image: The top view of the robot vacuum, emphasizing its durable ABS plastic construction and highlighting the 6-month warranty. Text also mentions automatic stopping upon object detection to prevent damage.

Support

For any questions or assistance, please contact our customer support team.

Operating Hours: Monday to Friday, 08:00 AM to 05:30 PM (local time).

Contact Information: Please refer to the contact details provided on your purchase receipt or the official Panda Plus website.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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