Samsung VR05R5050WK

Samsung POWERbot VR05R5050WK Robot Vacuum Cleaner User Manual

Model: VR05R5050WK

1. Introduction

Thank you for purchasing the Samsung POWERbot VR05R5050WK Robot Vacuum Cleaner. This 2-in-1 device is designed to efficiently vacuum and mop your floors, providing a comprehensive cleaning solution for your home. This manual provides essential information for the safe and effective use, maintenance, and troubleshooting of your new robot vacuum. Please read it thoroughly before operation and keep it for future reference.

2. Important Safety Information

- Always ensure the power adapter is correctly connected to a power outlet.
- Do not operate the robot vacuum in wet environments or near water.
- Keep loose clothing, hair, and body parts away from moving parts.
- Do not allow children or pets to play with the robot vacuum.
- Remove any loose cables, small objects, or fragile items from the floor before cleaning to prevent damage or entanglement.
- Use only the original charging dock and power adapter provided by Samsung.
- Do not attempt to repair or modify the robot vacuum yourself. Contact authorized service personnel for assistance.
- Ensure the robot vacuum is placed on a stable surface when not in use or during charging.

3. Package Contents

Verify that all items are present in the package:

- Samsung POWERbot VR05R5050WK Robot Vacuum Cleaner
- Charging Dock

- Power Adapter
- Remote Control (with batteries)
- 2 x Side Brushes (plus 2 spare parts)
- 2 x Washable Microfiber Cloths
- User Manual (this document)

4. Product Overview

The Samsung POWERbot VR05R5050WK is a versatile robot vacuum designed for efficient cleaning. It features a 2-in-1 vacuum and mop function, a long-lasting battery, and smart navigation capabilities.

Key Features:

- **2-in-1 Vacuum and Mop:** Simultaneously vacuums dust and mops floors.
- **Long-lasting Battery:** Up to 150 minutes of cleaning on a single charge (3400 mAh battery).
- **Slim Design:** At only 85mm tall, it can easily clean under furniture.
- **Wi-Fi Control:** Manage and schedule cleaning remotely via a dedicated smartphone app.
- **EZ Empty Dustbin:** Easy-to-empty dustbin that can be rinsed under water.
- **Smart Sensing System:** Gyro sensor for movement control and anti-collision sensors to protect furniture.

Components:



Figure 4.1: Top view of the robot vacuum, showing the power button and sleek black finish.



Figure 4.2: Bottom view of the robot vacuum, illustrating the main brush, side brushes, and wheels.



Figure 4.3: Side view of the robot vacuum,

highlighting its slim profile and the detachable water tank for mopping.

The robot vacuum's slim design allows it to navigate under furniture, ensuring thorough cleaning in hard-to-reach areas.



Figure 4.4: The robot vacuum demonstrating its 85mm slim design by cleaning under a sofa.

5. Setup

5.1 Initial Charging

1. Place the charging dock against a wall in an open area, ensuring there are no obstacles within 0.5 meters to either side and 1.5 meters in front.
2. Connect the power adapter to the charging dock and plug it into a wall outlet.
3. Place the robot vacuum onto the charging dock. Ensure the charging contacts on the robot align with those on the dock. The indicator light on the robot will show charging status.
4. Allow the robot to fully charge before its first use (approximately 4-5 hours).

5.2 App Installation and Wi-Fi Connection

1. Download the Samsung SmartThings app from the App Store (iOS) or Google Play Store (Android).
2. Open the app and follow the on-screen instructions to create an account or log in.
3. Add your POWERbot VR05R5050WK to the app by selecting "Add device" and following the pairing instructions. Ensure your smartphone is connected to a 2.4GHz Wi-Fi network during setup.

5.3 Water Tank and Mop Pad Installation (for Mopping Function)

1. Attach a clean microfiber cloth to the bottom of the water tank.
2. Open the water tank cap and fill it with clean water. Do not use detergents or cleaning solutions that are not approved for robot vacuums.
3. Carefully slide the filled water tank into the designated slot at the rear of the robot vacuum until it clicks into place. The robot will automatically detect the attached mop pad and begin mopping when in a suitable mode.

6. Operating Your Robot Vacuum

Before starting a cleaning cycle, ensure the floor is free of large debris, loose cables, and fragile items.

6.1 Starting a Cleaning Cycle

- **Manual Start:** Press the power button on the robot vacuum once to start a cleaning cycle.
- **Remote Control:** Use the included remote control to start, stop, or direct the robot.
- **App Control:** Open the Samsung SmartThings app, select your robot vacuum, and tap "Start" or choose a specific cleaning mode.

6.2 Cleaning Modes

The robot vacuum offers multiple cleaning modes to suit different needs. These modes can be selected via the remote control or the SmartThings app.

- **Zig-zag Mode:** Cleans in a systematic back-and-forth pattern.
- **Auto Mode (Random Mode):** Cleans randomly, covering the entire area.
- **Edge Mode:** Focuses on cleaning along walls and edges.
- **Spot Mode:** Concentrates cleaning on a specific small area for intensive cleaning.

6.3 Scheduling Cleaning (App Only)

You can program the robot vacuum to clean automatically at specific times and days using the Samsung SmartThings app.

1. Open the SmartThings app and select your robot vacuum.
2. Navigate to the scheduling section.
3. Set your desired cleaning times and days.
4. Save the schedule. The robot will automatically start cleaning at the programmed times.

6.4 Adjusting Water Flow (App Only)

When using the mopping function, you can adjust the water flow level via the SmartThings app to suit different floor types or cleaning needs.



Figure 6.1: The robot vacuum cleaning on different floor surfaces, demonstrating its multi-surface capability.

7. Maintenance

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

7.1 Emptying the Dustbin (EZ Empty Dustbin)

1. Press the release button to open the dustbin compartment.
2. Remove the dustbin.
3. Open the dustbin lid and empty its contents into a trash bin.
4. Rinse the dustbin and filter under running water. Ensure they are completely dry before reinserting.
5. Reinsert the dustbin and close the compartment.

7.2 Cleaning Brushes

- **Main Brush:** Remove the main brush cover and lift out the brush. Use the cleaning tool (if provided) or scissors to cut and remove any tangled hair or debris.
- **Side Brushes:** Gently pull the side brushes upwards to remove them. Clean any hair or debris wrapped around them. Reattach by pressing them firmly into place.

7.3 Cleaning Mop Pad and Water Tank

- Remove the water tank from the robot.
- Detach the microfiber cloth from the water tank. Wash the cloth by hand or machine and allow it to air dry completely.
- Empty any remaining water from the tank and rinse it thoroughly. Allow the tank to air dry before reassembling.

7.4 Cleaning Sensors

Regularly wipe the sensors on the robot's bumper and bottom with a clean, dry cloth to ensure proper navigation and anti-collision functionality.

8. Troubleshooting

If you encounter issues with your robot vacuum, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Robot does not start or respond.	Low battery; power switch off; robot stuck.	Charge the robot; ensure power switch is on; clear any obstacles.
Poor cleaning performance.	Full dustbin; clogged brushes; dirty filter.	Empty dustbin; clean brushes; clean or replace filter.
Robot cannot connect to Wi-Fi/App.	Incorrect Wi-Fi password; router issues; robot too far from router.	Verify Wi-Fi password; restart router; move robot closer to router; ensure 2.4GHz network.
Robot gets stuck frequently.	Obstacles (cables, rugs); dirty sensors.	Clear floor of obstacles; clean all sensors.
Mopping function not working.	Empty water tank; mop pad not attached; water flow setting too low.	Fill water tank; ensure mop pad is correctly attached; adjust water flow in app.

If the problem persists, please contact Samsung customer support for further assistance.

9. Specifications

Feature	Detail
Brand	Samsung

Feature	Detail
Model Name	VR05R5050WK
Item Model Number	VR05R5050WK
Product Dimensions (L x W x H)	34 x 34 x 8.5 cm (13.4 x 13.4 x 3.3 inches)
Item Weight	5.58 Kilograms (12.3 lbs)
Color	Black
Special Feature	2-in-1 Function (Vacuuming and Mopping)
Surface Recommendation	Multi-surfaces
Battery Type	Lithium-ion
Battery Life	Up to 2.5 hours (150 minutes)
Lithium Battery Voltage	3.7 Volts
Power Source	Battery Powered
Control Method	Application, Remote Control
Compatible Devices	Smartphone (Android, iOS)
Filter Type	Sponge
Noise Level	77 Decibels
Number of Power Levels	4
Number of Speeds	4
Recommended Product Uses	Home
Country of Origin	China

10. Warranty and Support

For warranty information, please refer to the warranty card included with your product or visit the official Samsung website for your region.
If you require technical support, service, or have any questions regarding your Samsung POWERbot VR05R5050WK, please contact Samsung customer service. Contact details can typically be found on the Samsung website or in your product documentation.

© 2023 Samsung. All rights reserved.