Robot Vacuum Smart Battery Activation & Care Guide

To ensure your robot vacuum delivers peak suction power and optimal runtime, please follow this professional battery initialization guide.

1. First-Time Unboxing: The 12-16 Hour Mandatory Charge

Why it matters: Our robots feature an automated Battery Management System (BMS) safety lock to protect the cells during transit and warehousing. Upon first unboxing, the battery may be in a "Deep Sleep" mode.

Action: Place the robot manually onto the charging dock. Ensure the charging pins on the bottom of the robot align perfectly with the metal contacts on the dock.

Crucial Step: Allow the device to charge continuously for 12 to 16 hours before turning it on for its very first cleaning cycle. This uninterrupted charge safely wakes up the battery cells and calibrates the navigation system.

2. Daily Charging Best Practices

Always On the Dock: When the cleaning cycle is complete, always keep the robot parked on its powered charging dock. The smart BMS will automatically switch to trickle-charging once full, preventing overcharging while ensuring the robot is always ready.

Dock Placement: Position the charging dock on a flat, hard floor surface (not on thick carpets) against a straight wall, with at least 1.5 ft of clearance on both sides and 4.5 ft in front.

3. Restoring Power (Troubleshooting "Won't Turn On / Won't Charge")

If your robot has been left off the dock for a long period and appears completely unresponsive:

Clean the Contacts: Power off the dock. Use a dry, soft cloth to wipe the metallic charging contacts on both the dock and the underside of the robot to remove any accumulated dust or oxidation layer.

Hardware Reset: Manually place the robot onto the dock. Press and hold the Power button for 10 seconds to reset the internal MCU logic chip.

Deep Activation: Leave the robot on the dock undisturbed for a full 24 hours to allow the low-voltage trickle current to safely reset the BMS lock.

Troubleshooting & Maintenance Guide

Step 1: Initial Setup - Removing Protective Films

To ensure the Lidar navigation and charging functions work correctly, please follow these steps:

- Remove Lidar Film: Peel off the transparent protective film on the top Lidar sensor cover. Any obstruction or sticker left on the sensor can cause navigation errors or "Lidar blocked" warnings.

- Remove Dock & Robot Contact Films: Ensure the transparent films on the charging dock's signal window and the robot's charging contacts are removed.

- Placement: Place the charging dock on a hard, flat floor against a wall. Keep 1.5ft (0.5m) on both sides and 4.5ft (1.5m) in front clear of obstacles.

Step 2: Navigation Fix - Cleaning Cliff Sensors

If your robot gets stuck, circles in place, or reports "Cliff Error" on flat surfaces:

- The Cause: Dust or hair can cloud the cliff sensors (located at the bottom of the robot), making it think it is on an edge. Dark carpets may also occasionally trigger this.

- The Solution: Use a soft, dry microfiber cloth to wipe the 4-6 cliff sensor windows at the bottom of the unit.

- Pro Tip: Keep the sensors clean to ensure smooth transitions between different flooring types.

Step 3: Maintaining Peak Suction - Filter & Brush Care

If the suction power feels weak or the robot makes a loud "straining" sound:

- Clean the HEPA Filter: Remove the dustbin and take out the HEPA filter. Tap it gently to remove fine dust. Note: Do not wash the HEPA filter with water unless specified; replace it every 2-3 months for optimal performance.

- Check the Main Brush: Flip the robot over and remove the brush guard. Clean any tangled hair or debris from the roller brush. A clogged brush significantly reduces suction efficiency.

- Clear the Air Duct: Ensure there is no large debris stuck in the suction port between the brush and the dustbin.

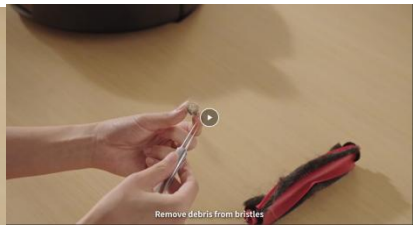
















Step 4: Charging Issues - Connection Check

If the robot "Won't Charge":

- Clean Contacts: Use a dry cloth (or a cloth with a bit of rubbing alcohol) to wipe the charging pins on both the dock and the bottom of the robot. Oxidation or dust buildup can prevent a solid connection.

- Power Connection: Ensure the power adapter is firmly plugged into the dock and a working wall outlet.