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Shark AV2501AE

Shark AI Robot Vacuum User Manual

MODEL: AV2501AE

Your comprehensive guide to setup, operation, and maintenance.

Product Overview

The Shark AI Ultra Robot Vacuum combines powerful vacuuming with Matrix Clean Navigation, ensuring no spots are missed for a whole-home clean. It features Shark's powerful suction, Precision Home Mapping for accurate cleaning and object avoidance, and a HEPA 60-day capacity self-empty base that locks in dust and allergens.

Key Features:

- **Incredible Suction:** Powerful Shark suction for all floor types.
- **Matrix Clean Navigation:** Cleans in a precise matrix grid with multiple passes for deep coverage.
- **Self-Empty Base:** Bagless base holds up to 60 days of debris with True HEPA filtration (captures 99.97% of dust and allergens).
- **Precision Home Mapping:** 360° LiDAR vision maps your home for methodical cleaning and object avoidance.
- **Pet Hair Optimization:** Powerful suction and self-cleaning brushroll effectively capture pet hair, dust, and dander.
- **Hands-Free Control:** Compatible with Amazon Alexa and Google Assistant for voice commands.
- **Extended Runtime:** Up to 120 minutes of runtime with Recharge and Resume functionality.

Setup

Follow these steps for initial setup of your Shark AI Robot Vacuum:

1. **Unpack and Place the Base:** Remove all packaging materials. Place the XL HEPA Self-Empty Base on a hard, level surface against a wall, ensuring there are no obstacles within 3 feet on either side or 5 feet in front.
2. **Charge the Robot:** Place the robot vacuum onto the base. Ensure the charging contacts on the robot align with

those on the base. The robot will begin charging automatically. Allow for a full charge before first use (approximately 6 hours).

- 3. Download the SharkClean App:** Search for "SharkClean" in your mobile app store and download it. Follow the in-app instructions to connect your robot to your home Wi-Fi network. This app allows for advanced mapping, scheduling, and control.
- 4. Initial Mapping Run:** Once fully charged and connected to the app, initiate an exploratory mapping run. The robot will use its LiDAR navigation to create a detailed map of your home, which you can then customize in the app by naming rooms and setting no-go zones.



Image: The Shark AI Robot Vacuum docked with its self-empty base, alongside a smartphone screen showing the SharkClean app with a mapped home layout.

Operating the Robot Vacuum

Your Shark AI Robot Vacuum is designed for intelligent and efficient cleaning:

- **Start Cleaning:** Press the CLEAN button on the robot or use the SharkClean app to start a cleaning cycle. You can also use voice commands via Amazon Alexa or Google Assistant.

- **Matrix Clean Navigation:** The robot employs Matrix Clean Navigation, performing multiple passes over areas to ensure thorough cleaning, especially for stubborn dirt and debris.
- **Precision Home Mapping:** Leveraging 360° LiDAR vision, the robot precisely maps your home, allowing it to navigate methodically, detect, and avoid objects in its path, even in low light conditions.
- **Recharge and Resume:** For larger homes, the robot will automatically return to its base to recharge when its battery is low, then resume cleaning exactly where it left off once sufficiently charged.



TRUE HEPA
Self-Empty Base

CAPTURES
99.97%
of dust and allergens

*Down to .3 microns



Traps 99.97% of dust & allergens*

True HEPA Self-Empty Base captures dust and allergens,
so you can breathe easy.

*Down to 0.3 microns.

Image: The robot vacuum cleaning a floor, illustrating the precise, multi-pass Matrix Clean Navigation pattern.



Matrix Clean Navigation™

Cleans with multiple passes, leaving no spots missed.

Image: The robot vacuum mapping a room using its 360° LiDAR vision, depicted by blue laser lines extending from the unit.



Perfect for homes with pets

Powerful suction and Shark's self-cleaning brushroll pick up pet hair with anti-hair wrap.

Image: A hand interacting with the SharkClean app on a smartphone, demonstrating how to schedule whole-home cleans or target specific rooms.

Maintenance

Regular maintenance ensures optimal performance of your robot vacuum:

- **Self-Empty Base:** The bagless self-empty base can hold up to 60 days of dirt and debris. Monitor the dustbin level indicator on the base. When full, simply remove and empty the bin.
- **HEPA Filtration:** The True HEPA filtration system within the self-empty base captures 99.97% of dust and allergens. Replace the HEPA filter as recommended in the app or when visibly dirty to maintain air quality.
- **Self-Cleaning Brushroll:** The robot features a self-cleaning brushroll designed to prevent hair wrap. Periodically check the brushroll for any tangled debris and remove if necessary.
- **Side Brushes:** Inspect the side brushes regularly for wear or damage. Replace them if they are bent or broken to ensure effective edge cleaning.

- **Sensors and Charging Contacts:** Wipe the robot's sensors and the charging contacts on both the robot and the base with a clean, dry cloth to ensure proper function and charging.



Bagless self-empty base

Unlike traditional robots, this empties itself into a bagless base that holds up to 60 days of debris.

Image: A visual representation of the robot vacuum automatically emptying collected debris into its bagless self-empty base.



Powerful vacuuming

Incredible suction picks up debris on hard floors and carpets.

Image: An illustration highlighting the True HEPA Self-Empty Base's ability to capture 99.97% of dust and allergens, showing particles being trapped within the filter.



Precision home mapping

Automatically maps your floors for whole-home coverage.

Image: The robot vacuum operating on a carpeted floor near a dog, emphasizing its effectiveness in picking up pet hair with its self-cleaning brushroll.

Troubleshooting

If you encounter issues with your Shark AI Robot Vacuum, refer to the following common solutions:

- **Robot Not Charging:** Ensure the charging contacts on both the robot and the base are clean and free of debris. Verify the base is plugged into a working power outlet.
- **Robot Getting Stuck:** The LiDAR navigation system is designed to avoid most obstacles. However, if the robot frequently gets stuck, check for loose cables, small objects, or high thresholds. Use the SharkClean app to set "no-go zones" around problematic areas.
- **Poor Cleaning Performance:** Check the dustbin in the self-empty base and the robot's internal dustbin to ensure they are not full. Clean the brushroll and side brushes for any tangled hair or debris. Verify the HEPA filter is clean and properly installed.

Feature	Detail
Brand	Shark
Model Name	Shark AV2501AE
Special Feature	LiDAR Navigation, Bagless
Color	Black/Bronze
Product Dimensions	13.08"L x 8.43"W x 13.9"H
Included Components	Filter, Shark AI Robot, Self-Empty Base, Side Brush
Filter Type	Foam
Battery Life	120 minutes
Control Method	Voice
Compatible Devices	Amazon Echo, Google Home
Item Weight	15.25 pounds
Manufacturer	SharkNinja
Item model number	AV2501AE
UPC	622356574488

Warranty Information

The Shark AV2501AE AI Robot Vacuum comes with a **1-year limited warranty**. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, refer to the official Shark website or contact customer support.

Support

For further assistance, product registration, or to purchase replacement parts and accessories, please visit the official Shark website or contact their customer service department. You can find contact information on the product packaging or the Shark website.

Online Resources: Visit the Shark Store on Amazon