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## Shark AV2511AE/AV251WA

# Shark AV2511AE/AV251WA AI Ultra Robot Vacuum Instruction Manual

## 1. INTRODUCTION

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Welcome to the comprehensive instruction manual for your new Shark AV2511AE/AV251WA AI Ultra Robot Vacuum. This advanced robotic cleaning system is designed to provide effortless and thorough cleaning for your home, featuring intelligent navigation, powerful suction, and a convenient self-emptying base. Please read this manual carefully to ensure optimal performance and longevity of your device.



*Figure 1: The Shark AI Ultra Robot Vacuum with its self-empty base and a representation of the companion smartphone app.*

## 2. SETUP

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### 2.1 Unboxing and Initial Placement

Carefully remove all components from the packaging. Place the XL Self-Empty Base against a wall in an open area, ensuring there are no obstructions within 3 feet on either side or in front of the base. Plug the base into a power outlet.

### 2.2 Initial Robot Charging

Place the robot vacuum onto the charging dock. Ensure the charging contacts on the robot align with those on the base. The robot will begin charging automatically. Allow the robot to fully charge before its first use, which may take several hours.

### 2.3 SharkClean App Setup and Home Mapping

Download the SharkClean app from your smartphone's app store. Follow the in-app instructions to connect your robot vacuum to your home Wi-Fi network. The app will guide you through the initial home mapping

process, where the robot uses its 360° LiDAR vision to create a detailed map of your home's layout. This map is crucial for efficient cleaning and allows for customized cleaning zones.



## Easy-to-use SharkClean® app

Schedule whole-home cleanings or target specific rooms or spots to clean now, all through the convenient app.

Figure 2: The SharkClean app interface, allowing users to view the home map and schedule cleanings.

### 3. OPERATING THE ROBOT VACUUM

#### 3.1 Starting a Clean

You can initiate a cleaning cycle in several ways:

- **Manual Button:** Press the 'Clean' button on top of the robot.
- **SharkClean App:** Use the app to start a whole-home clean, select specific rooms, or define custom zones.
- **Voice Control:** Connect your robot to Amazon Alexa or Google Assistant for hands-free control.

#### 3.2 Matrix Clean Navigation

The robot utilizes Matrix Clean Navigation, performing multiple passes over dirt and debris in a precise grid pattern. This ensures thorough, deep cleaning coverage across all floor types.



## Matrix Clean Navigation™

Cleans with multiple passes, leaving no spots missed.

*Figure 3: The robot vacuum employing Matrix Clean Navigation for comprehensive cleaning.*

### 3.3 Precision Home Mapping and Object Avoidance

Equipped with 360° LiDAR vision, the robot accurately maps your home and detects objects in its path. This allows it to navigate methodically, day or night, adapting to changes in your home environment and avoiding obstacles.



## Precision home mapping

Automatically maps your floors for whole-home coverage.

*Figure 4: The robot's LiDAR vision actively mapping and navigating its surroundings.*



## Detects & avoids objects\*

No need to pick up before your robot cleans.

\*Objects 4.5 inches or greater in its path.

*Figure 5: The robot's ability to detect and avoid objects, reducing the need for pre-cleaning tidying.*

### 3.4 Recharge and Resume

For larger homes or extensive cleaning jobs, the robot features a Recharge and Resume function. If the battery runs low during a cleaning cycle, the robot will automatically return to its base to recharge, then resume cleaning exactly where it left off once sufficiently charged.



## Recharge & Resume

The robot returns to its base, recharges, and can pick up where it left off.

*Figure 6: The robot intelligently managing its battery life to complete cleaning tasks.*

### 3.5 Cleaning Performance

The Shark AI Ultra Robot Vacuum provides incredible suction power, effectively picking up dirt and debris on all floor types, including hard floors and carpets. Its self-cleaning brushroll is particularly effective at handling pet hair without tangles.



## Powerful vacuuming

Incredible suction picks up debris on hard floors and carpets.

*Figure 7: Demonstrating the powerful vacuuming capability on various debris.*



## Perfect for homes with pets

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

*Figure 8: Ideal for homes with pets, effectively managing pet hair.*

### 4. MAINTENANCE

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#### 4.1 Self-Emptying Base

The bagless, self-emptying base can hold up to 60 days of dirt and debris, significantly reducing the frequency of manual emptying. The robot automatically transfers collected debris to the base's large capacity bin.



## Bagless self-empty base

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

*Figure 9: The self-empty base, designed for extended hands-free operation.*

### 4.2 Filter and Brushroll Care

Regularly check and clean the foam filter and the self-cleaning brushroll to maintain optimal suction and prevent clogs. Refer to the SharkClean app for specific maintenance alerts and instructions.

### 4.3 Side Brushes

The robot comes with two side brushes. Inspect them periodically for wear and tear, and replace them as needed to ensure effective edge cleaning.

## 5. TROUBLESHOOTING

If your Shark AI Ultra Robot Vacuum encounters an issue, the SharkClean app will often provide specific error messages and troubleshooting steps. Common issues include:

- **Obstructions:** The robot may stop if it encounters a significant obstruction. Clear the path and restart.
- **Brushroll Clogs:** If the brushroll is tangled with hair or debris, the robot may alert you. Clean the brushroll as per maintenance instructions.

- **Docking Issues:** Ensure the self-empty base is properly plugged in and has clear space around it for the robot to dock successfully.
- **Wi-Fi Connectivity:** If the app cannot connect to the robot, check your home Wi-Fi network and ensure the robot is within range.

For persistent issues, consult the comprehensive troubleshooting guide within the SharkClean app or contact Shark customer support.

## 6. SPECIFICATIONS

Feature	Detail
Brand	Shark
Model Name	AV2511AE/AV251WA
Product Dimensions	13.25"L x 13.25"W x 3.5"H
Item Weight	15.25 pounds
Self-Empty Base Capacity	Up to 60 days of dirt and debris
Navigation Technology	360° LiDAR Vision, Matrix Clean Navigation
Special Features	Self-Cleaning Brushroll, Self-Emptying, Programmable, Object Detection & Avoidance, Recharge & Resume
Compatible Devices	Amazon Alexa, Google Assistant
Included Components	Shark AI Robot, XL Self-Empty Base, 2 Side Brushes, 1 Filter

## 7. WARRANTY AND SUPPORT

Your Shark AV2511AE/AV251WA AI Ultra Robot Vacuum comes with a manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions. For technical support, replacement parts, or further assistance, please visit the official Shark website or contact their customer service department. Contact information can typically be found on the product packaging or the SharkClean app.