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Shark RV2820AE

Shark Detect Pro Self-Empty Robot Vacuum User Manual

Model: RV2820AE | Brand: Shark

1. INTRODUCTION

The Shark Detect Pro Robot Vacuum is designed for advanced home cleaning, featuring three deep-cleaning technologies, a self-empty HEPA base, and intelligent navigation. This manual provides essential information for setup, operation, and maintenance to ensure optimal performance of your device.



Figure 1: Shark Detect Pro Robot Vacuum with Self-Empty Base. The robot vacuum is black with silver accents, positioned in front of its tall, black self-empty base.

2. SETUP

2.1 Unboxing and Placement

Carefully remove all components from the packaging. Place the XL Self-Empty Base on a hard, level surface against a wall, ensuring there are no obstacles within 3 feet (0.9 meters) on either side and 5 feet (1.5 meters) in front of the base. Plug the base into a power outlet.

2.2 Initial Charge and App Setup

Place the robot onto the base to charge. The robot will begin charging automatically. Download the SharkClean app from your mobile device's app store. Follow the in-app instructions to connect your robot to your home Wi-Fi network and complete the initial mapping run. This mapping process allows the robot to learn your home's layout for efficient cleaning.

Complete Customization

Control your robot via the SharkClean® app or voice control with Amazon Alexa/Google Assistant.



Figure 2: The SharkClean app interface showing a mapped home layout and cleaning options. The app allows for complete customization of cleaning preferences.

3. OPERATING INSTRUCTIONS

3.1 Cleaning Modes and Technologies

- **DirtDetect Technology:** The robot senses hidden debris and automatically boosts suction power and cleaning passes to thoroughly clean the area.

DIRTDETECT

Detects hidden debris and automatically boosts power while taking additional cleaning passes for 50% better debris pick up*

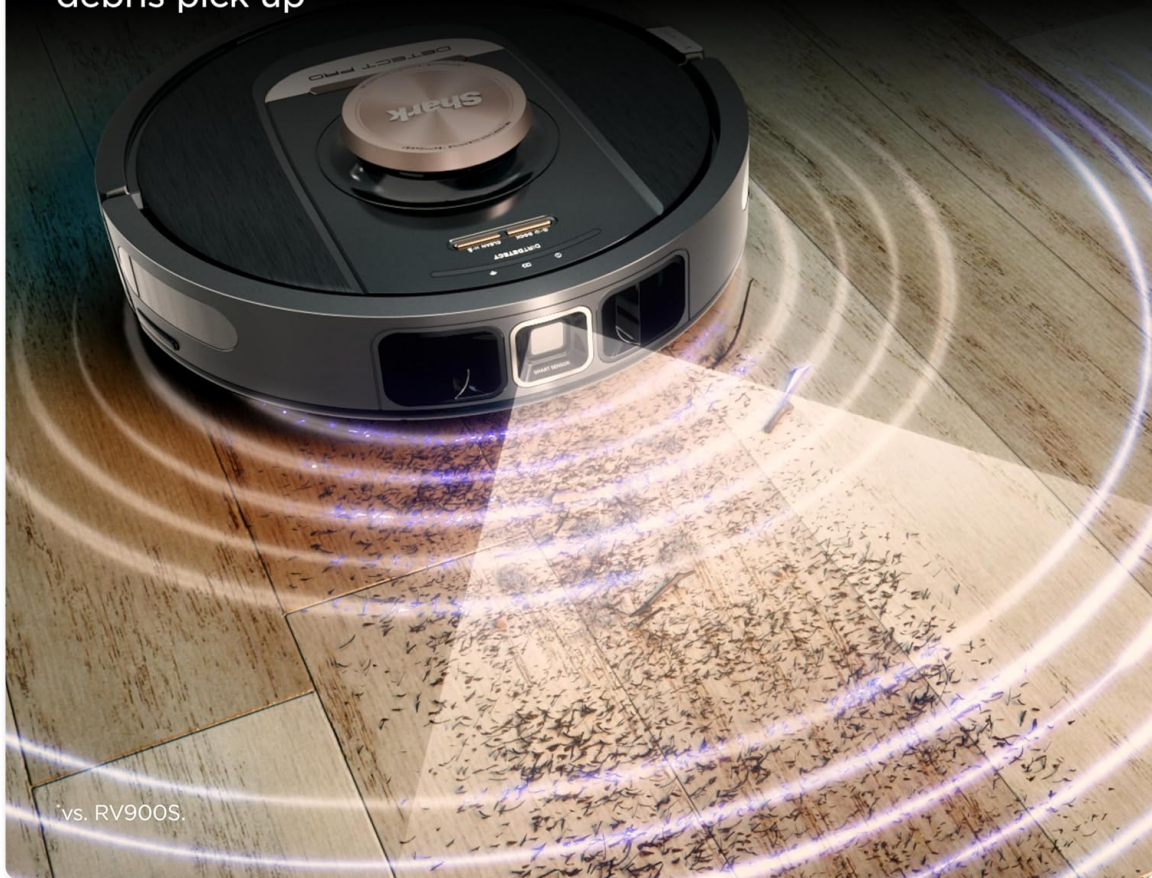


Figure 3: The robot vacuum using DirtDetect technology, indicated by purple light rings, to identify and clean concentrated debris on a hard floor.

- **EdgeDetect Technology:** Uses blasts of air to pull debris from corners and edges into the cleaning path, ensuring thorough edge cleaning.

EDGEDETECT

Detects edges & corners and uses blasts of air for **50% better edge cleaning***.

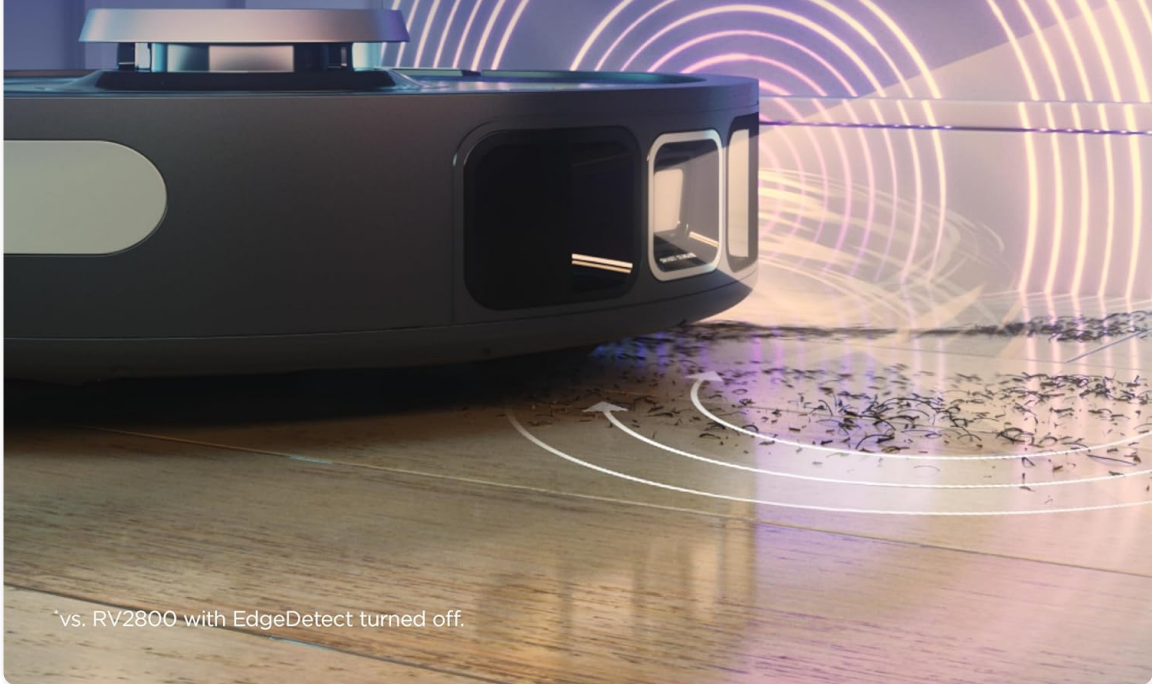


Figure 4: The robot vacuum utilizing EdgeDetect technology, with light rings extending to the wall, to clean debris along the baseboard.

- **FloorDetect Technology:** Auto-detects floor types (carpet or hardfloor) and adjusts brushroll engagement to maximize debris pickup and cleaning performance.

FLOORDETECT™

Auto-detects floor types, adjusting brushroll engagement with the floor to maximize debris pick up.



Figure 5: The robot vacuum transitioning from a hard floor to a carpeted area, demonstrating FloorDetect technology adjusting its cleaning method.

- **NeverStuck Technology:** The robot lifts and lowers itself to maneuver over obstacles, cross thresholds, and avoid getting stuck, ensuring complete cleaning missions.

NEVERSTUCK

ACTIVE LIFT-&-LOWER TECHNOLOGY

The only robot with Active Lift & Lower
Cleans up to 2X more of your home*.



Figure 6: An illustration of NeverStuck Technology, showing the robot's internal mechanisms lifting its body to clear obstacles and thick carpets.

3.2 Scheduling and Zone Cleaning

Use the SharkClean app to set cleaning schedules, initiate on-demand cleaning, or target specific rooms or zones. You can define no-go zones on your map to prevent the robot from entering certain areas.

Precision Home Mapping

360° LiDAR vision automatically and accurately maps every inch of your home, day or night.



Figure 7: A visual representation of the robot's 360° LiDAR vision mapping a home, showing its methodical cleaning path and object detection capabilities.

3.3 Official Product Video

Your browser does not support the video tag.

Video 1: Official product video showcasing the Shark Detect Pro Self-Empty Robot Vacuum's features and capabilities, including its intelligent cleaning technologies and self-emptying function.

4. MAINTENANCE

4.1 Self-Empty Base Maintenance

The XL Self-Empty Base is bagless and holds up to 60 days' worth of dust and debris. It features a HEPA Anti-Allergen Seal, trapping 99.97% of dust and allergens. The integrated Odor Neutralizer technology ensures a fresher smelling home by trapping odors within the base.

Self-Empty System

DUST-FREE & HANDS-FREE



HEPA filtration
Anti-Allergen Complete
Seal with True HEPA
Filtration



**Odor Neutralizer
Technology**
Protects against odors
for a fresher-smelling
home.

**SELF-
EMPTY
BAGLESS
BASE**

60-DAY CAPACITY

HOLDS UP TO 60 DAYS
OF DIRT AND DEBRIS.



Figure 8: A diagram illustrating the self-empty system, showing how dust and debris are transferred from the robot to the bagless base, which includes HEPA filtration and odor neutralization.

4.2 Robot Dustbin and Brushroll Cleaning

Periodically check and clean the robot's internal dustbin and the self-cleaning brushroll. The powerful suction and self-cleaning brushroll are engineered to pick up pet hair effectively. After each cleaning, the robot traps pet hair in the base with an Anti-Allergen Seal.

Exceptional Pet Hair Performance

Deep cleaning power coupled with odor neutralizer and HEPA filtration in the base, eliminate your pet hair problems.



A dark grey banner with several feature highlights. On the left, a teal box contains the text 'ODOR NEUTRALIZER TECHNOLOGY' and 'GUARDS AGAINST BAD ODORS INSIDE YOUR VACUUM'. Below it, a white box says 'FOR A FRESHER-SMELLING HOME' with a small asterisked note. To the right, a white shield icon is labeled 'ANTI-ALLERGEN COMPLETE SEAL'. Further right, a white circular icon with a filter is labeled 'HEPA Filtration sealed for your convenience.'. Below that, a white circular icon with a rainbow is labeled 'DIRTDETECT TECHNOLOGY'. At the bottom, a yellow banner features a 'HAIR WRAP' image, an 'ANTI-HAIR WRAP' image, and a 'SELF-CLEANING BRUSHROLL' image with a small dog icon.

Figure 9: The robot vacuum cleaning a floor with pet hair, highlighting its powerful suction and self-cleaning brushroll designed for pet hair pickup.

5. TROUBLESHOOTING

If your robot vacuum encounters issues, refer to the following common troubleshooting tips:

- **Robot getting stuck:** Ensure the NeverStuck Technology is active. Clear any small obstacles or loose cables from the cleaning path. The robot is designed to lift and maneuver over most thresholds.
- **Poor cleaning performance:** Check the robot's internal dustbin and brushroll for clogs or tangled hair. Ensure the self-empty base is not full and its filters are clean. For carpets, DirtDetect should automatically increase suction.
- **Base not emptying:** Verify the self-empty base is properly connected to power and the robot is correctly docked. Check the base's dustbin for fullness and ensure no blockages in the suction path.
- **App connectivity issues:** Ensure your Wi-Fi network is stable and the robot is within range. Restart the app and the robot if necessary.
- **Battery life concerns:** The battery life is rated for 90 minutes. Large homes or very dirty areas may require multiple charging cycles to complete a full clean.

6. SPECIFICATIONS

Feature	Detail
Brand	Shark
Model Name	Detect Pro
Item Model Number	RV2820AE
Special Feature	High Precision Sensors
Color	Black/Bronze
Product Dimensions	20.08"L x 13.39"W x 13.58"H
Included Components	Side Brush
Filter Type	HEPA Filter
Battery Life	90 minutes
Capacity	5.3 Liters (Dustbin)
Control Method	App
Item Weight	14.44 pounds
UPC	622356616065

7. WARRANTY AND SUPPORT

For warranty information, product registration, and customer support, please visit the official Shark website or contact their customer service line. Keep your purchase receipt for warranty claims.

Visit the [Shark Store](#) for more products and support resources.