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› Redkey S100 Cordless Robot Pool Cleaner User Manual

Redkey S100

Redkey S100 Cordless Robot Pool Cleaner User Manual

Model: S100 | Brand: Redkey

1. INTRODUCTION

The Redkey S100 is a cordless robotic pool cleaner designed to provide efficient and hassle-free cleaning for your pool. It eliminates the need for tangled wires and messy hoses, offering a convenient solution for maintaining a clean swimming environment. With its advanced features, the S100 ensures thorough cleaning of pool bottoms, collecting various debris such as sand, soil, leaves, and insects.



Figure 1.1: Redkey S100 Cordless Robot Pool Cleaner and accessories.

2. PRODUCT FEATURES

- **Cordless Operation:** No tangled wires or hoses, offering complete freedom of movement in the pool.
- **Long Runtime:** Equipped with a 5200mAh high-capacity battery, providing up to 130 minutes of uninterrupted cleaning.
- **Efficient Cleaning:** Effectively sucks in tiny particles, leaves, and other debris from the pool bottom.
- **18° Climbing Ability:** Prevents the cleaner from getting stuck in pool folds or minor inclines.
- **Self-Parking Technology:** Automatically docks itself next to the pool wall when cleaning is complete or battery is low for easy retrieval.
- **Easy to Clean Filter Basket:** Removable and washable filter basket for simple maintenance.
- **IPX8 Waterproof Rating:** Enhances durability and ensures stable, safe operation underwater.

3. SETUP AND INITIAL USE

3.1 Charging the Cleaner

Before first use, ensure the Redkey S100 is fully charged. The charging time is approximately 3-4 hours. Connect

the charger to the cleaner's charging port and plug it into a power outlet. The indicator light will show charging status.



Figure 3.1: Connecting the Redkey S100 to its charger.

3.2 Installing the Scrapers

Attach the two bottom scrapers to the designated slots on the underside of the cleaner. Ensure they are securely in place.

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Video 3.1: Demonstrates the installation of the bottom scrapers and initial activation of the Redkey S100 pool cleaner. (0:04 - 0:07)

3.3 Activating and Placing in Pool

Once charged, press the red activation button located on the underside of the cleaner. Then, gently lower the cleaner into the pool. The cleaning function will automatically begin once the unit is submerged in water.

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Video 3.2: Shows the one-click activation and placement of the Redkey S100 into the pool. (0:08 - 0:18)

4. OPERATING THE CLEANER

The Redkey S100 operates autonomously once activated and submerged. It navigates the pool bottom, collecting debris into its internal filter basket.

4.1 Cordless and Hassle-Free Cleaning

Enjoy the freedom of a cordless design. The S100 moves independently without the need for external power cords or hoses, preventing tangles and simplifying pool cleaning.



Figure 4.1: The Redkey S100 offers a cordless and hassle-free cleaning experience.

4.2 Runtime and Coverage

The S100 features a 5200mAh battery, providing up to 130 minutes of runtime. This allows it to cover an impressive area of up to 1100 sq.ft on a single charge.

Up to 130 Minutes of Runtime

Clean Efficiently & Reduce the Frequency of Charging

1100 Sq.Ft



Figure 4.2: The Redkey S100 provides extended runtime for large pool coverage.

4.3 Obstacle Navigation and Self-Parking

The cleaner possesses an 18° obstacle-crossing capability, allowing it to navigate minor creases or slopes on the pool bottom without getting stuck. Advanced water sensor technology enables quick reversal upon touching pool walls, reducing collisions. When cleaning is complete or the battery is low, the cleaner automatically moves to the nearest pool wall for easy retrieval.

Cross the Small Creases Avoid it From Getting Stuck

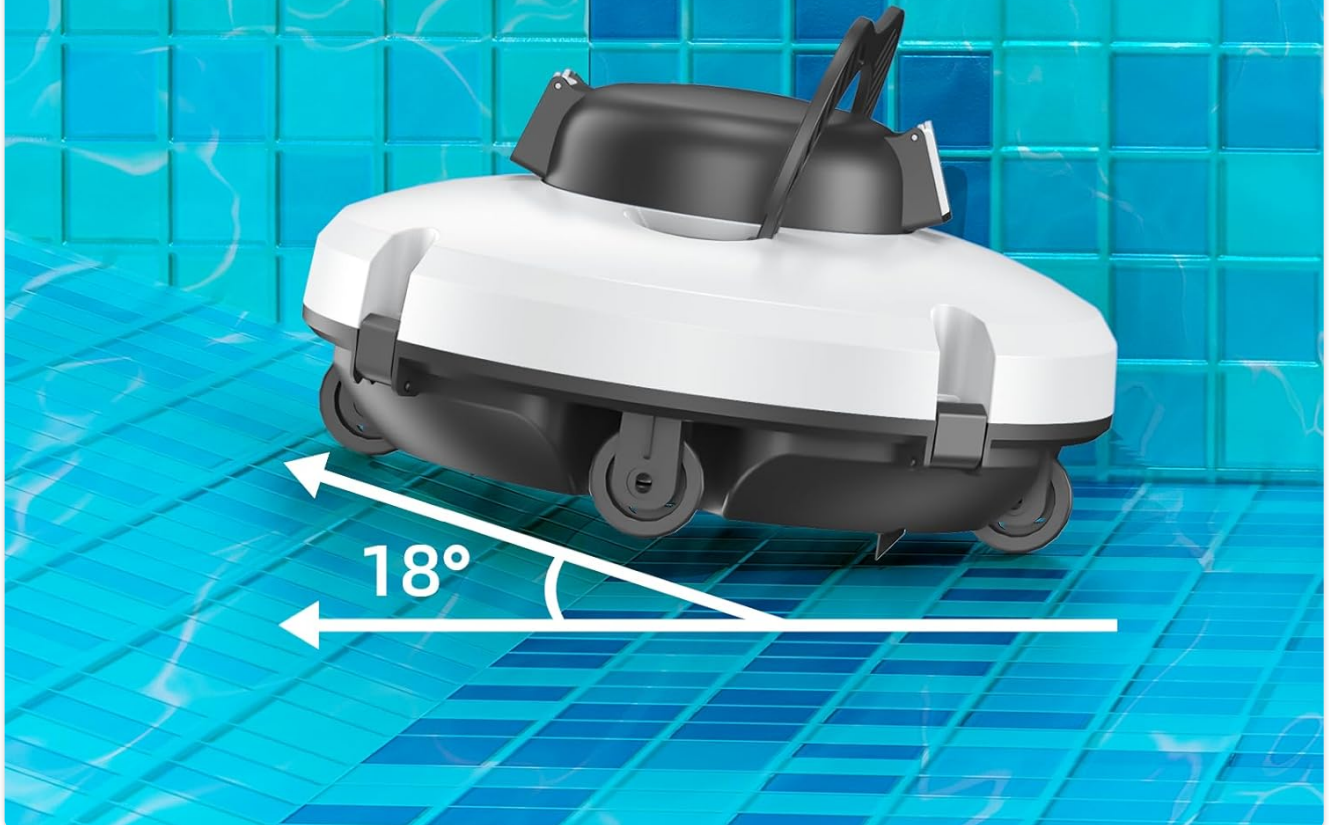


Figure 4.3: The S100's 18° climbing ability helps it navigate pool contours.

Self-Parking Technology



Figure 4.4: The self-parking feature ensures easy retrieval of the cleaner.

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Video 4.1: Illustrates the Redkey S100's cleaning process, physical auto-turnaround, and self-parking feature. (0:19 - 0:50)

5. MAINTENANCE

5.1 Retrieving the Cleaner

Use the provided retrieval hook to easily lift the cleaner out of the water without needing to get into the pool. Lift slowly and levelly to prevent debris from spilling back into the pool.

Easy to Retrieve

Quick Water Release for Simple Use



Figure 5.1: Easy retrieval of the Redkey S100 using the provided hook.

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Video 5.1: Demonstrates the easy retrieval of the Redkey S100 from the pool. (0:51 - 0:55)

5.2 Cleaning the Filter Basket

The filter basket is designed for easy removal and cleaning. Simply detach it from the cleaner and rinse thoroughly with water to remove collected debris. It is recommended to clean the filter box in time when the pool cleaner is low on power or clogged with dirt.

Advanced HD HC filter System



Figure 5.2: The S100 features an advanced filter system with a 1.5L basket.

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Video 5.2: Demonstrates how to remove and clean the filter basket of the Redkey S100. (0:56 - 1:07)

6. TROUBLESHOOTING TIPS

- **Cleaner not operating:** Ensure the unit is fully charged before use. The product will only begin to work when placed in water.
- **Ineffective cleaning or getting stuck:** This cleaner is designed specifically for flat-bottom pools. It may not perform optimally in pools with significant slopes or steps.
- **Reduced performance or battery life:** If the pool cleaner is low on power or clogged with dirt, it is recommended to clean the filter box promptly.
- **Product is small and light:** It is recommended to drain a portion of the water from the pool before use if the cleaner is floating too high.

7. SPECIFICATIONS

Feature	Detail
Model Name	S100
Brand	Redkey
Power Source	Battery Powered
Battery Capacity	5200mAh
Runtime	Up to 130 minutes
Charging Time	3-4 hours
Max Cleaning Area	1100 sq.ft
Climbing Ability	18° Slope Angle
Waterproof Rating	IPX8
Product Dimensions	15 x 10 x 12 inches
Item Weight	9.15 pounds
UPC	765150878106

8. WARRANTY AND SUPPORT

Redkey is committed to providing high-quality products and excellent customer service. This product comes with a 2-year product protection, ensuring no repairs are needed within this period.

8.1 Customer Support

For any questions or concerns regarding your Redkey S100 Cordless Robot Pool Cleaner, please contact our customer service team. We are available 24/7 to provide top-notch support for a hassle-free experience. You can reach us via the following channel:

- Amazon: Account > Orders > Order Detail > by: JS-Damai > Ask a question

8.2 Additional Resources

A detailed User Guide in PDF format is available for download:

[Download User Guide \(PDF\)](#)