Zyerch Crab

Zyerch Cordless Robotic Pool Cleaner User Manual

Model: Crab

1. Introduction

The Zyerch Cordless Robotic Pool Cleaner is an advanced, intelligent device designed to provide thorough and efficient cleaning for inground swimming pools. Featuring powerful suction, intelligent path planning, and a long-lasting replaceable battery, this cleaner simplifies pool maintenance, allowing for effortless enjoyment of a crystal-clear pool.



The Zyerch Cordless Robotic Pool Cleaner, showcasing its sleek design and connectivity with a mobile app for cleaning records.

2. Key Features

- **Powerful Suction:** Equipped with an upgraded independent pump motor, reaching up to 45000 Pa for effective debris removal.
- **Intelligent Path Planning:** Offers S-path cleaning and wall-climbing paths with advanced sensors and gyroscopes for precise coverage.
- **Ultra-long Working Hours:** Provides 120-150 minutes of continuous run time, suitable for pools up to 65 ft and 9.8 ft deep.
- **Replaceable Battery:** Unique and durable battery design for easy replacement and rapid charging (approx. 3 hours).
- **Easy Filter Cleaning:** Large top-load filter cartridges for superior debris trapping, easily rinsed with a garden hose.
- **Cordless Design:** Eliminates the need for tangled cords, offering hassle-free operation.
- **High-Tech Brushless Motor:** Ensures exceptional performance, longer life, lower maintenance, and quieter operation.

- **Three-Motor System:** Up to 180W of power, cleaning 80 gallons of water per minute.



Internal view of the robotic cleaner highlighting its powerful three-motor system.

3. Setup

3.1 Unboxing and Initial Charge

1. Carefully remove the robotic pool cleaner and all accessories from the packaging.
2. Inspect the unit for any visible damage.
3. Connect the charging cable to the cleaner and a power outlet. Ensure the charging port is dry before connecting.
4. Allow the cleaner to fully charge. The rapid charging capability ensures it is ready in approximately 2.5 to 3 hours. An LED indicator will show charging status.



The robotic pool cleaner connected to its charger, indicating its fast charging capability.

3.2 First Use Preparation

1. Ensure the pool water temperature is within the recommended operating range (typically 50-95°F / 10-35°C).
2. Remove any large debris from the pool surface manually before deploying the cleaner.
3. Confirm the filter basket is properly installed and clean.

4. Operating Instructions

4.1 Placement and Activation

1. Gently submerge the cleaner into the pool. It will automatically activate once fully submerged.
2. Ensure the cleaner is placed in the center of the pool for optimal initial coverage.
3. The cleaner will begin its cleaning cycle automatically.

4.2 Cleaning Modes and Path Planning

The Zyerch Robotic Pool Cleaner is equipped with intelligent path planning to ensure comprehensive coverage of your pool. It offers two primary path planning types:

- **S-Path Cleaning:** For efficient coverage of the pool floor.
- **Wall and Waterline Cleaning:** The cleaner will ascend walls and clean along the waterline, ensuring a complete clean.

Equipped with advanced sensors and gyroscopes, the cleaner maps and navigates the pool with precision, minimizing missed spots.



Visual representation of the robotic cleaner's intelligent S-path and N-path cleaning patterns for full coverage.



The robotic cleaner performing waterline cleaning, ensuring thorough cleanliness of the entire pool.

4.3 Retrieving the Cleaner

When the cleaning cycle is complete or the battery is low, the cleaner will typically return to a reachable area. Use the provided hook (if applicable) to retrieve the unit from the water. Audio and LED alerts will indicate low battery status.

5. Maintenance

5.1 Filter Cleaning

Regular cleaning of the filter basket is crucial for optimal performance. The large top-load filter cartridges are designed for easy access:

1. Remove the cleaner from the pool.
2. Open the front cover of the cleaner.

3. Remove the filter basket.
4. Rinse the filter basket thoroughly with a garden hose until all debris is removed.
5. Reinstall the clean filter basket and close the cover securely.



A user demonstrating the easy removal and cleaning of the large filter basket.

5.2 Battery Care

- Always fully charge the battery before each use to maximize cleaning time.
- Store the cleaner in a cool, dry place when not in use, away from direct sunlight and extreme temperatures.
- If storing for an extended period, charge the battery to approximately 50% every 3 months to maintain battery health.

6. Troubleshooting

This section addresses common issues you might encounter with your Zyerch Robotic Pool Cleaner.

Problem	Possible Cause	Solution
Cleaner not moving or stuck.	Low battery; debris caught in brushes/wheels; suction blocked.	Charge the battery; inspect and clear any obstructions from brushes or wheels; clean the filter basket.
Poor cleaning performance / not picking up debris.	Full or clogged filter basket; low battery; improper water chemistry.	Clean the filter basket thoroughly; ensure battery is fully charged; check and balance pool water chemistry.
Cleaner not climbing walls or waterline.	Low battery; air trapped inside cleaner; slippery pool surfaces (algae).	Ensure full charge; gently rock the cleaner underwater to release trapped air; brush pool walls to remove algae.
Short battery life.	Battery not fully charged; aging battery; extreme water temperatures.	Ensure full charge before each use; consider battery replacement if significantly degraded; operate within recommended temperature range.

7. Specifications

Feature	Detail
Brand	Zyerch
Model Name	Cordless Robotic Pool Cleaner (Crab)
Power Source	Battery Powered
Battery Type	Lithium-Ion (1 included)
Battery Energy Content	7800 Milliamp Hours (mAh)
Charging Time	2.5 Hours
Run Time	120-150 minutes
Control Method	App
Special Features	Automatic Shut Off, Dual Filtration System
Material	Plastic
Color	Orange
Product Dimensions	16.7"L x 15.1"W x 9.8"H
Item Weight	27.6 pounds
Manufacturer	Shenzhen Seauto Technology Co., Ltd

8. Warranty and Support

The Zyerch Cordless Robotic Pool Cleaner comes with a limited warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions.
For technical support, troubleshooting assistance, or warranty claims, please contact Zyerch customer service:

Email: zyerch@outlook.com

Please have your model number (Crab) and purchase information ready when contacting support.

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