

AIPER Scuba S1 Pro

AIPER Scuba S1 Pro Cordless Robotic Pool Cleaner User Manual

MODEL: SCUBA S1 PRO | BRAND: AIPER

1. General Information

The AIPER Scuba S1 Pro is an advanced cordless robotic pool cleaner designed for efficient and thorough cleaning of in-ground pools. It features smart navigation, powerful suction, and multiple cleaning modes to ensure a pristine pool environment.

Key Features:

- **Superior Cleaning & Performance:** Quad-brushless motor system for enhanced scrubbing and suction. Caterpillar tracks navigate uneven pool floors and scale walls up to $90^{\circ} \pm 15^{\circ}$.
- **Top-Tier Waterline Cleaning:** WaveLine Technology for effective waterline cleaning.
- **WavePath Navigation Technology 2.0:** Expands cleaning coverage to 99% with advanced sensors for thorough floor, wall, and waterline cleaning.
- **High-Performance Particle Filtration:** Spacious 5L, 180-micron primary filter and a 3-micron secondary filter capture fine particles.
- **Versatile Cleaning Modes:** 5 modes including Auto, Eco, Waterline, Floor-only, and Wall-only. Eco Mode runs for 45 minutes every 48 hours.
- **Universal Compatibility:** Suitable for all pool types (concrete/fiberglass/vinyl) up to 2,150 sq.ft. and 66ft in length.
- **Long Battery Life:** 180-minute runtime with a 4-hour full charge.

2. Safety Instructions

Please read this manual thoroughly before operating the AIPER Scuba S1 Pro. Failure to follow instructions may result in damage or injury.

- Ensure the charging port is dry before connecting the charger.
- Only use the original charger provided by AIPER.
- Do not operate the cleaner if the water temperature is outside the recommended range (typically 50-95°F / 10-35°C).
- Keep children and pets away from the pool area during operation.
- Remove the cleaner from the pool before swimming or performing any pool maintenance.
- Do not use the cleaner if it is damaged or malfunctioning.
- Store the cleaner in a cool, dry place away from direct sunlight when not in use.

3. Product Components

The AIPER Scuba S1 Pro comes with the main robotic unit and essential accessories for operation and maintenance.



Figure 1: AIPER Scuba S1 Pro Robotic Pool Cleaner with accompanying smartphone app.

- AIPER Scuba S1 Pro Robotic Pool Cleaner Unit
- Charging Adapter

- Retrieval Hook (for use with a standard pool pole, not included)
- User Manual

4. Setup

4.1 Initial Charging

Before first use, fully charge the AIPER Scuba S1 Pro. Connect the charging adapter to the cleaner's charging port and plug it into a power outlet. The charging indicator lights will show the charging status. A full charge takes approximately 4 hours.

4.2 App Installation (Optional)

For enhanced control and monitoring, download the AIPER app from your device's app store. Note that app control is only available when the pool cleaner is out of the water. Once submerged, the Bluetooth connection will be lost.

4.3 Placing the Cleaner in the Pool

Once fully charged, press and hold the power button on the top of the unit until the indicator lights illuminate, indicating the desired cleaning mode. Gently lower the cleaner into the pool. It will slowly sink to the bottom and begin its cleaning cycle.

5. Operation

The AIPER Scuba S1 Pro offers multiple cleaning modes to suit various pool cleaning needs.

WaveLine™ Technology

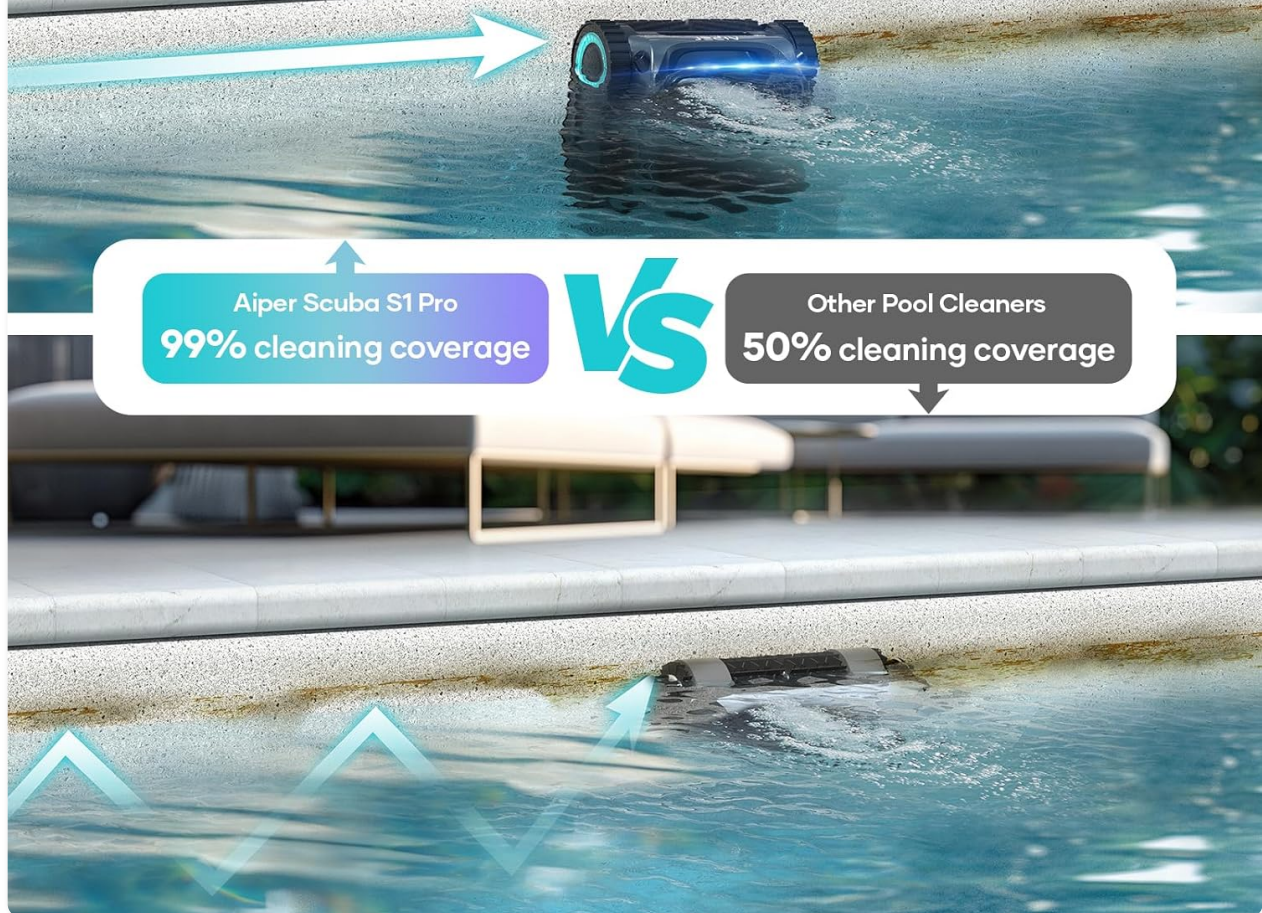


Figure 2: WavePath Navigation Technology 2.0 for comprehensive cleaning.

5.1 Cleaning Modes

Select a cleaning mode by pressing the power button multiple times before submerging the unit. The indicator lights will confirm the selected mode.

WavePath™ Navigation 2.0

Achieve up to **99%** of cleaning coverage

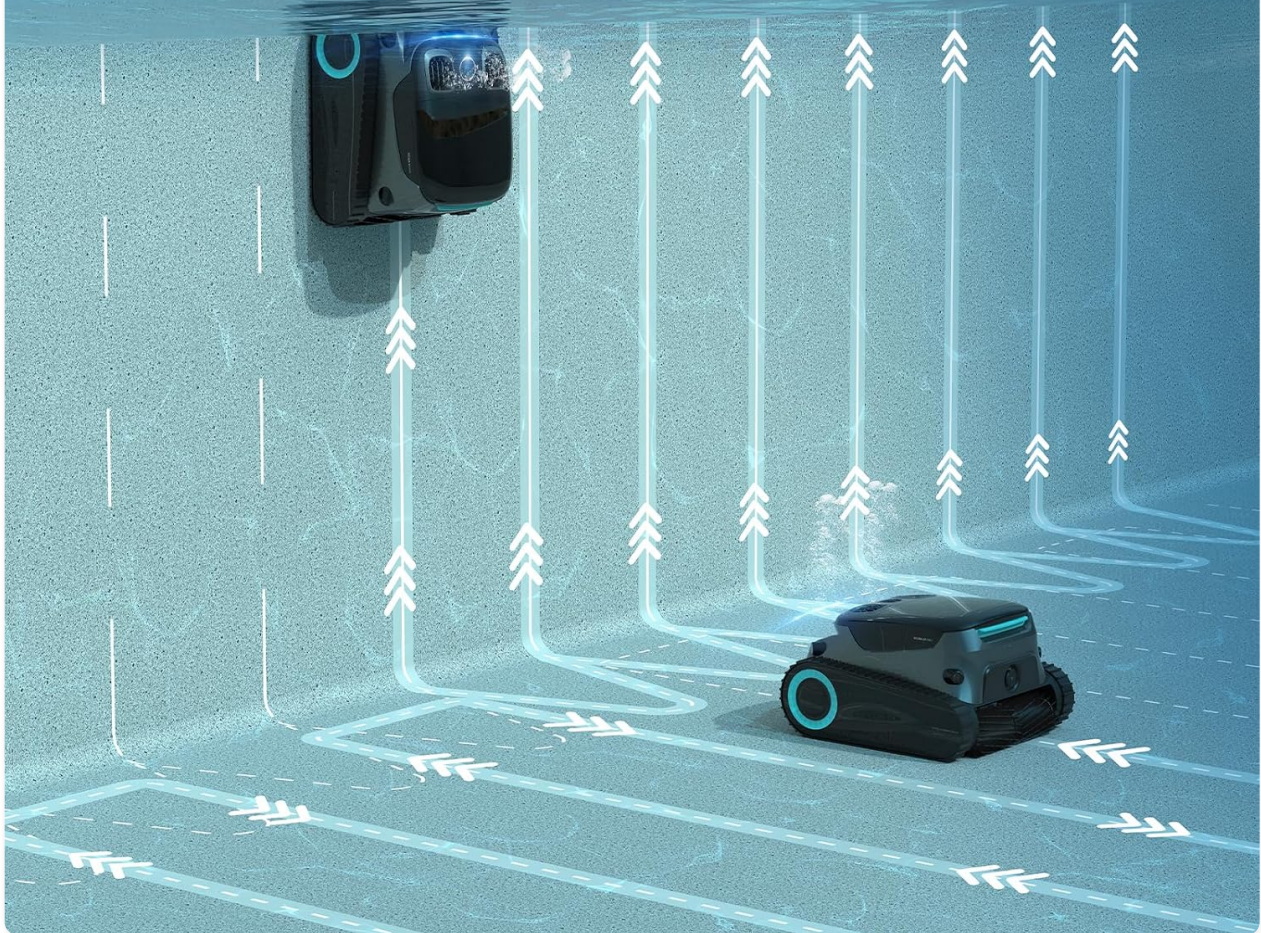


Figure 3: AIPER Scuba S1 Pro Cleaning Modes.

- **Auto Mode:** Cleans the entire pool (floor, walls, and waterline) automatically. This is the default mode.
- **Floor-only Mode:** Focuses cleaning solely on the pool floor, moving back and forth.
- **Waterline Mode:** Cleans along the pool's waterline, scrubbing away debris and scum.
- **Eco Mode:** Provides cost-effective maintenance by running for 45 minutes every 48 hours to maintain cleanliness throughout the week.
- **Wall-only Mode:** Cleans only the pool walls. This mode is accessible via the AIPER app.

5.2 Navigation

The Scuba S1 Pro utilizes WavePath Navigation Technology 2.0 for systematic cleaning. Its caterpillar tracks provide superior mobility, allowing it to navigate uneven surfaces and climb walls effectively.

4+1 Cleaning Modes

Wall mode is only accessible via the Aiper app


Waterline mode


Auto mode


Eco mode


Floor only

+


Wall only



Note: App control is only available when the pool cleaner is out of the pool.

Figure 4: Superior mobility with caterpillar treads.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your AIPER Scuba S1 Pro.

6.1 Filter Cleaning

The cleaner is equipped with a 180-micron primary filter and a 3-micron secondary filter. It is crucial to clean these filters after each use to prevent clogging and maintain suction power.

Advanced Particle Filtration



Figure 5: Advanced Particle Filtration System.

To clean the filters:

1. Open the top cover of the cleaner.
2. Remove the filter basket.
3. Empty large debris from the primary filter.
4. Rinse both the primary and secondary filters thoroughly with a hose until clean.
5. Reinsert the filters and close the cover securely.



Figure 6: Thorough cleaning action with 100 GPM suction.

6.2 Quick Water Release

The Scuba S1 Pro features a quick water release mechanism. When retrieving the cleaner from the pool, lift it by the handle and allow excess water to drain out quickly, making it lighter and easier to handle.

7. Troubleshooting

If you encounter issues with your AIPER Scuba S1 Pro, refer to the table below for common problems and solutions.

Troubleshooting Guide

Problem	Possible Cause	Solution
Cleaner does not turn on.	Low battery.	Charge the cleaner fully.

Problem	Possible Cause	Solution
Cleaner does not move or moves slowly.	Debris caught in brushes or tracks; Low battery.	Check and clear any obstructions; Charge the cleaner.
Poor cleaning performance.	Clogged filters; Incorrect cleaning mode.	Clean the filter basket and secondary filter; Select appropriate cleaning mode.
Cleaner gets stuck frequently.	Obstacles in the pool; Pool shape complexity.	Remove large obstacles; Try different cleaning modes (e.g., Floor-only).

If the problem persists after attempting these solutions, please contact AIPER customer support for further assistance.

8. Specifications

Detailed technical specifications for the AIPER Scuba S1 Pro.

AIPER Scuba S1 Pro Specifications

Specification	Value
Model Name	Scuba S1 Pro
Item Weight	25.7 pounds (11.7 Kilograms)
Product Dimensions	18.6"L x 17.4"W x 11.8"H
Engine Type	Quad-motor
Power Source	Battery Powered
Battery Type	Rechargeable Lithium-Ion
Battery Voltage	25.2 Volts
Battery Energy Content	196.56 Watt Hours
Charging Time	4 Hours
Runtime	180 minutes
Filter Capacity	5 Liters
Max Pool Size	Up to 2,150 Sq.ft. (66ft in length)
Compatibility	All pool types (concrete/fiberglass/vinyl)

9. Warranty and Support

AIPER stands behind the quality of the Scuba S1 Pro with a comprehensive product care plan.

- **2-Year Product Care Plan:** The Scuba S1 Pro undergoes rigorous testing to ensure reliability.
- **Aiper Care Program:** Includes an extended one-year warranty and complimentary consumable replacements.

For any questions, technical support, or warranty claims, please visit the official AIPER website or contact their customer service directly. Refer to the contact information provided in your product packaging.