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› AIPER Surfer S1 Solar Powered Robotic Pool Skimmer Instruction Manual

AIPER Surfer S1

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Model: Surfer S1

1. INTRODUCTION

Thank you for choosing the AIPER Surfer S1 Solar Powered Robotic Pool Skimmer. This device is designed to efficiently clean the surface of your pool, removing debris such as leaves, insects, and pollen. Utilizing both solar and DC charging, the Surfer S1 offers convenient and eco-friendly pool maintenance. Please read this manual thoroughly before operation to ensure proper use and longevity of your device.



Image: The AIPER Surfer S1 operating in a pool, effectively capturing leaves and debris from the surface.

2. SAFETY INFORMATION

Always adhere to the following safety guidelines to prevent injury or damage to the device:

- Do not operate the device if it is damaged or malfunctioning.
- Keep children and pets away from the pool area while the skimmer is in operation.
- Ensure the device is turned off and disconnected from any power source before performing maintenance or cleaning.
- Only use the provided DC adapter for charging.
- Avoid submerging the entire unit; it is designed for surface cleaning.
- Do not attempt to modify or disassemble the device beyond what is described in this manual.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- AIPER Surfer S1 Robotic Pool Skimmer
- DC Charging Adapter
- User Manual
- Quick Start Guide

4. PRODUCT DIAGRAM

Familiarize yourself with the main components of your Surfer S1:

Efficient Cleaning

Captures leaves, insects, flower petals and more effortlessly from the pool's surface.

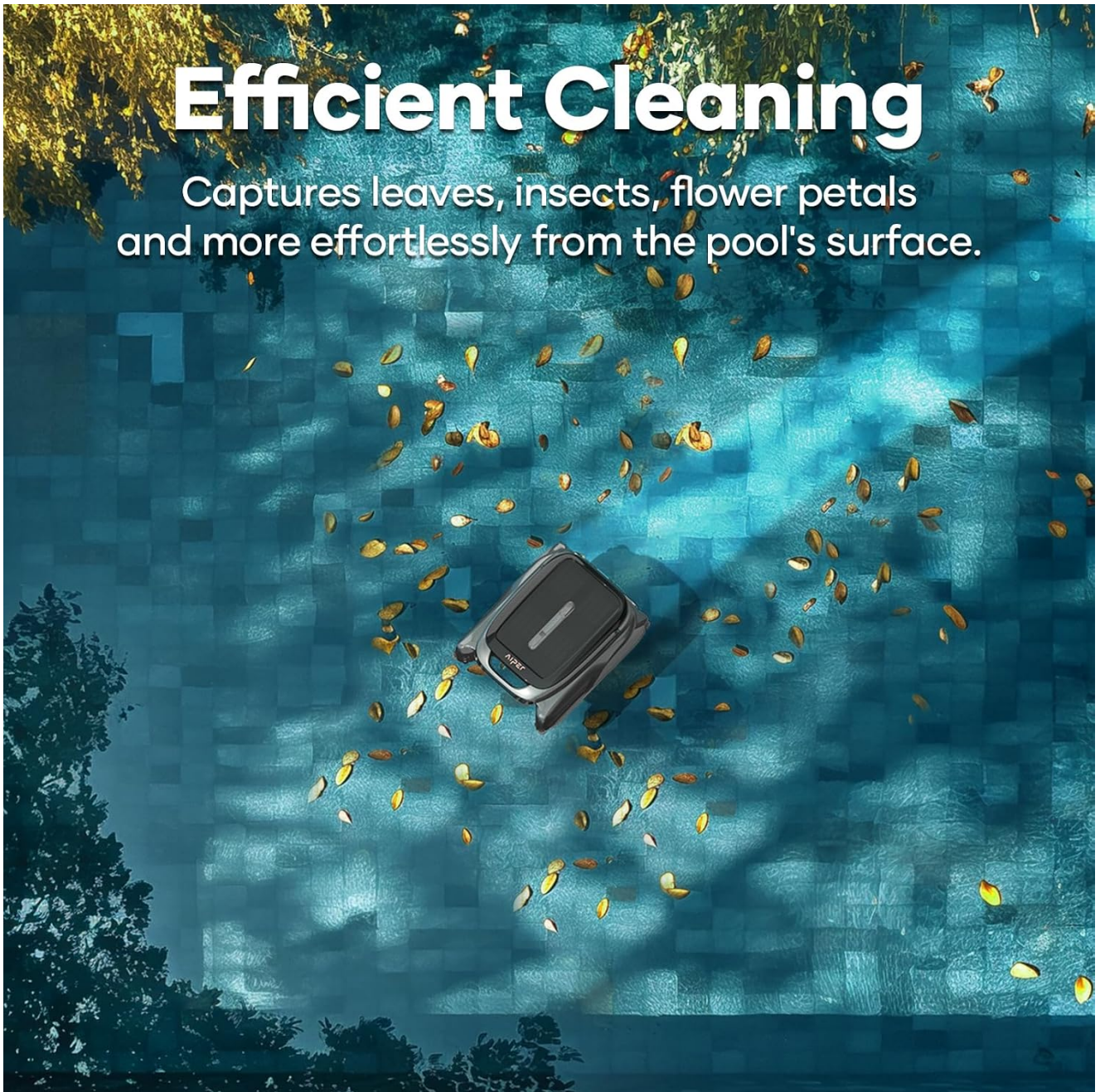


Image: An overhead view of the AIPER Surfer S1, showing its solar panel, control panel, and general design.

1. Solar Panel: Charges the internal battery using sunlight.
2. Control Panel: Contains power button, mode selection, and LED indicators.
3. Debris Basket Access: Sliding cover for easy removal of the debris basket.
4. Paddle Wheels: Propel the skimmer across the pool surface.
5. Ultrasonic Sensors: Detect obstacles and adjust cleaning routes.
6. Charging Port: For DC adapter connection.
7. Retractable Support Beams: Prevent the device from climbing steps or getting stuck.

5. SETUP

5.1 Initial Charging

Before first use, fully charge the Surfer S1 using the DC adapter. The device can also charge via its solar panel, but initial charging with the adapter is recommended for optimal battery life.

2 Charging Modes



Image: The Surfer S1 demonstrating its dual charging capabilities: solar charging while floating in the pool and DC charging via an adapter indoors.

5.2 App Installation and Pairing

Download the AIPER App from the Google Play Store or Apple App Store. Follow the in-app instructions to pair your Surfer S1 with your mobile device. This enables remote control and monitoring features.

APP Support

Provides manual control, real-time water temperature, battery status and more.



Image: The AIPER Surfer S1 in a pool, with a hand holding a smartphone showing the AIPER app interface for control and monitoring.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

To power on the Surfer S1, press and hold the power button on the control panel until the LED indicator illuminates. To power off, press and hold the power button again.

6.2 Automatic Cleaning

Once powered on and placed in the pool, the Surfer S1 will begin automatic surface cleaning. Its ultrasonic sensors will guide it to avoid obstacles and ensure comprehensive coverage.

Ultrasonic Sensors

Identifies obstacles and adjust cleaning routes keeping your pool and your device safe.



Image: The Surfer S1 in a pool, visually representing its ultrasonic sensors detecting obstacles and adjusting its path.

6.3 Manual Mode (via App)

For targeted cleaning, use the Manual Mode feature within the AIPER App. This allows you to directly control the skimmer's movement to address specific areas of debris.

6.4 LED Indicator Lights

The LED indicator lights provide real-time status updates:

LED Battery Indicator

Easily identify and understand the Surfer S1's battery status.

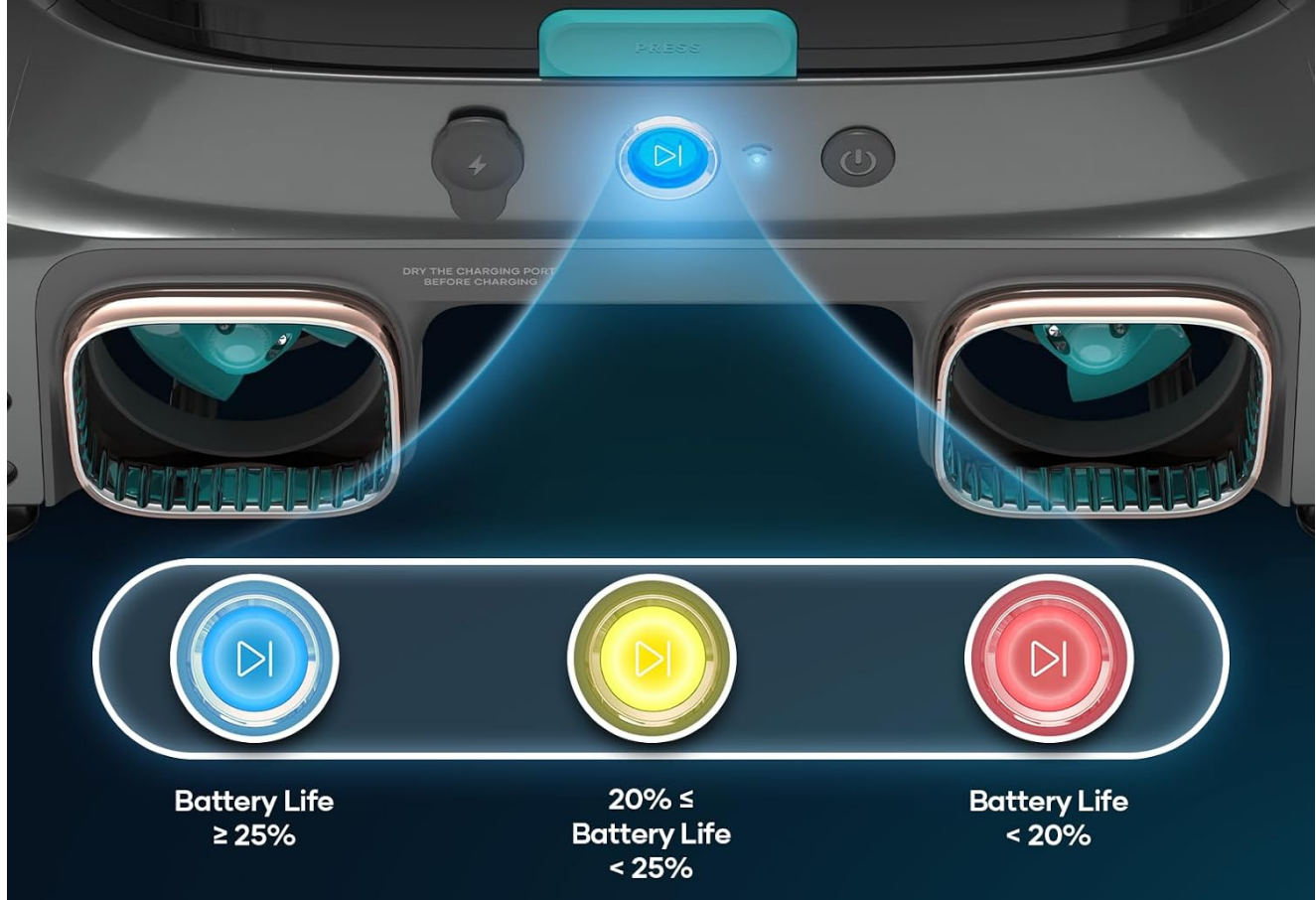


Image: A detailed view of the Surfer S1's LED indicator, showing blue for $\geq 25\%$ battery, yellow for $20\% \leq$ battery, and red for $< 20\%$ battery or a fault.

- **Blue:** Battery Life $\geq 25\%$
- **Yellow:** $20\% \leq$ Battery Life $< 25\%$
- **Red:** Battery Life $< 20\%$ or a fault has occurred.

7. MAINTENANCE

7.1 Cleaning the Debris Basket

Regularly empty and clean the debris basket to maintain optimal cleaning performance. The top sliding design allows for easy access.

Maintenance Made Simple

5L
Large Capacity



Image: A user opening the top of the Surfer S1 to reveal the large capacity debris basket filled with collected leaves, demonstrating easy maintenance.

7.2 General Care

The Surfer S1 is constructed with anti-UV materials for durability and resistance to weather and erosion. Periodically wipe down the exterior with a soft cloth. Ensure the charging port is dry before connecting the DC adapter.

Anti-UV Material

Crafted with UV-resistant materials, the Surfer S1 has excellent weather and erosion resistance.



Image: The Surfer S1 floating in a pool, highlighting its anti-UV material construction for enhanced durability.

8. TROUBLESHOOTING

If you encounter issues with your Surfer S1, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not turn on.	Low battery or power button not pressed correctly.	Charge the device using the DC adapter. Ensure the power button is held for a few seconds.
Poor cleaning performance.	Debris basket is full or paddle wheels are obstructed.	Empty and clean the debris basket. Check paddle wheels for tangled hair or debris.
Device gets stuck frequently.	Obstacles in the pool or water level issues.	Remove large floating objects. Ensure appropriate water level. The retractable support beams are designed to prevent climbing onto steps.

Problem	Possible Cause	Solution
App connection issues.	Bluetooth/Wi-Fi interference or app not updated.	Ensure Bluetooth is enabled on your phone. Restart the app and the device. Check for app updates.
Battery life is shorter than expected.	Insufficient solar charging or aging battery.	Ensure the solar panel is clean and exposed to direct sunlight. Use DC charging for a full charge. Battery degradation is normal over time.

If the problem persists, please contact AIPER customer support.

9. SPECIFICATIONS

Feature	Specification
Model Name	Surfer S1
Power Source	Solar Powered, DC Adapter
Battery Type	Lithium-Ion
Charging Time	Approximately 12 Hours (DC)
Control Method	App Control
Load Capacity (Debris Basket)	907 g
Salt/Chlorine Tolerance	Chlorine: Max 4 ppm, NaCl: Max 6500 ppm
Dimensions (Parcel)	64 x 55 x 29 cm
Weight	11.5 kg
Assembly Required	No
Manufacturer	AIPER

10. WARRANTY INFORMATION

The AIPER Surfer S1 comes with a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or failure to follow the instructions in this manual. Please retain your proof of purchase for warranty claims.

11. CUSTOMER SUPPORT

For technical assistance, warranty claims, or any questions regarding your AIPER Surfer S1, please contact AIPER customer support through their official website or the contact information provided with your product packaging. You can also visit the [AIPER Store on Amazon](#) for more information.

