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› [SOWOFA S3.0 Pro Remote Control Speed Boat Instruction Manual](#)

SOWOFA M123

SOWOFA S3.0 Pro Remote Control Speed Boat Instruction Manual

Model: M123 | Brand: SOWOFA

1. PRODUCT OVERVIEW

The SOWOFA S3.0 Pro Remote Control Speed Boat is a high-performance, 31.5-inch (80cm) remote-controlled vessel designed for enthusiasts. It features a powerful S3.0 brushless motor, capable of speeds exceeding 80km/h, and is equipped with a 2.4Ghz remote control system for extended range. The boat includes two 4200mAh batteries for prolonged operation and boasts an upgraded all-metal rudder for enhanced durability and control. Its automatic righting structure ensures the boat can self-correct if it flips over during operation.



Figure 1: SOWOFA S3.0 Pro Remote Control Speed Boat and included batteries.

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Video 1: Demonstration of the SOWOFA S3.0 Pro boat's size and scale.

2. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- RC Speed Boat (SOWOFA S3.0 Pro)
- 2.4Ghz Remote Controller
- Display Stand
- Propeller and Tool Kit
- Two 14.8V 4200mAh Lithium Polymer Batteries
- Battery Charger



Figure 2: Complete package contents of the SOWOFA S3.0 Pro Speed Boat.

3. SETUP GUIDE

3.1 Battery Installation

1. Carefully open the boat's top cover to access the internal compartment.
2. Insert the two 14.8V 4200mAh Lithium Polymer batteries into their designated slots.
3. Connect the battery connectors to the boat's power system. Ensure a secure connection.

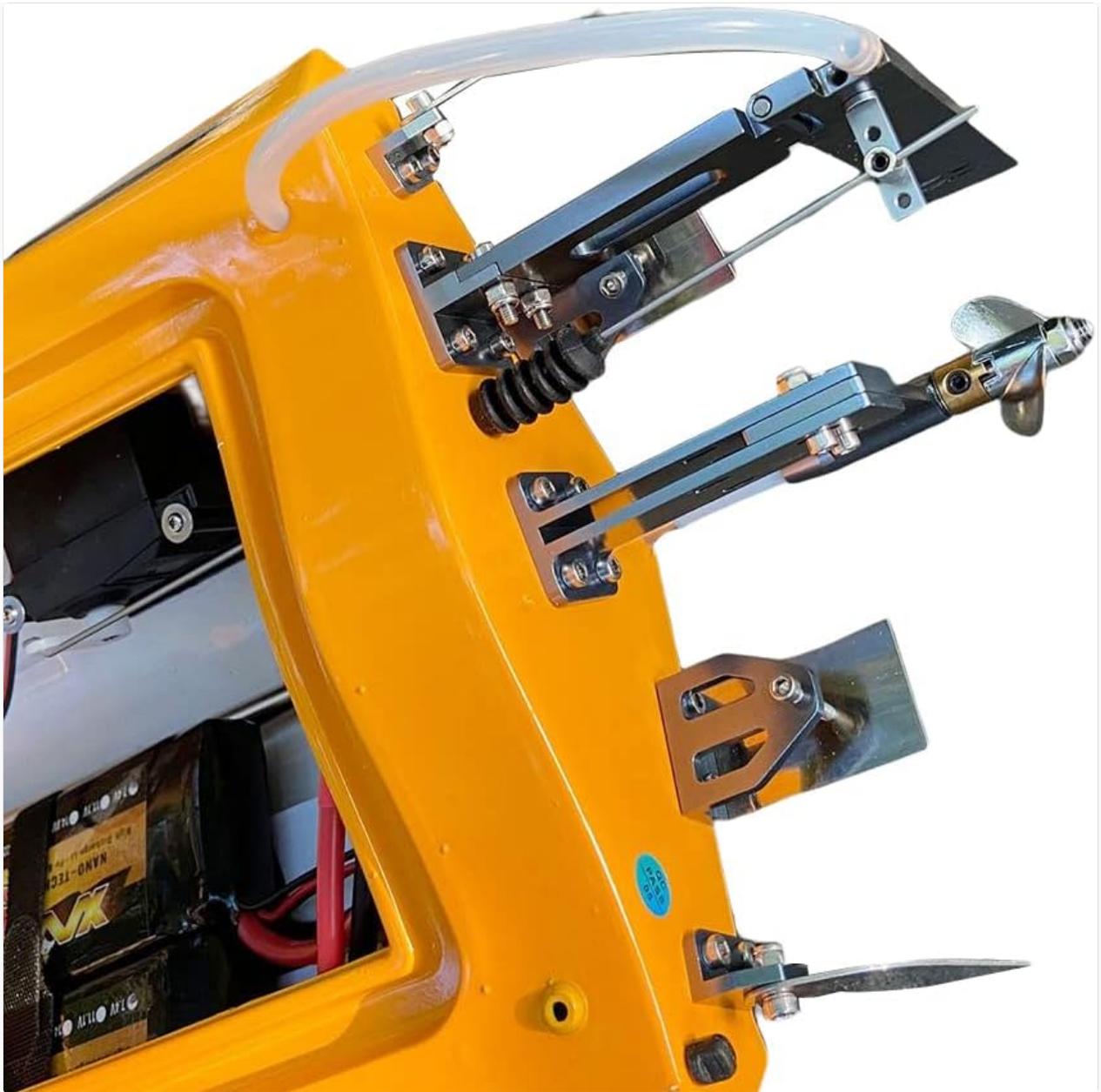


Figure 3: Internal view of the boat with batteries installed.

3.2 Transmitter Pairing

To ensure proper control, the boat and transmitter must be paired:

1. Connect the boat battery.
2. Within 1 minute, turn on the transmitter.
3. Wait until a second beep is heard, indicating successful matching.
4. If the boat does not respond correctly, repeat steps 1-3.

Important: Use carbon AA batteries for the transmitter. Do not use alkaline AA batteries.

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Video 2: Guide on how to pair the transmitter with the boat.

4. OPERATING INSTRUCTIONS

The SOWOFA S3.0 Pro Speed Boat is designed for high-speed forward motion and precise turning. It does not support a reverse function to ensure optimal performance and prevent potential flooding at high speeds.

4.1 Basic Controls

- **Forward:** Use the throttle trigger on the remote control to accelerate the boat forward.
- **Left/Right Turns:** Use the steering wheel on the remote control to navigate the boat left or right.



Figure 4: The SOWOFA S3.0 Pro Speed Boat operating on water.

4.2 Automatic Righting Structure

This model is equipped with an automatic righting function. If the boat flips over during operation, it is designed to self-correct and return to an upright position, allowing you to continue driving without manual intervention.

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Video 3: High-speed operation of the RC boat on water.

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Video 4: Demonstrating the boat's speed and maneuverability in a large body of water.

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Video 5: High-speed racing demonstration of the SOWOFA 31.5" Brushless Racing boat.

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Video 6: Short clip showcasing the SOWOFA 31.5" Brushless boat in orange.

5. MAINTENANCE

Proper maintenance ensures the longevity and performance of your speed boat.

- **After Each Use:** Disconnect the boat battery immediately after use.
- **Storage:** Store the RC boat in a dry location. The RC cabin must be kept completely dry to prevent damage to electronic components.
- **Motor Wiring:** The three wires of the motor are typically pre-connected. If the propeller reverses instead of moving forward, swap the yellow and black wires to correct the rotation.



Figure 5: Motor wiring connections. Ensure correct polarity for forward propeller rotation.

5.1 All Metal Tail Configuration

The SOWOFA S3.0 Pro features an all-metal tail configuration, including a metal pressurized version, metal propeller, and metal rudder. This design enhances durability and performance. Regularly inspect these components for any signs of wear or damage and clean them after each use to prevent corrosion.



Figure 6: Detailed view of the boat's all-metal tail assembly.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your SOWOFA S3.0 Pro Speed Boat.

Problem	Possible Cause	Solution
Boat does not respond to transmitter commands.	Transmitter and boat not paired; low battery in transmitter or boat.	Re-pair the transmitter and boat (refer to Section 3.2). Ensure batteries are fully charged and correctly installed. Replace transmitter batteries if necessary (use carbon AA batteries).
Propeller spins in reverse.	Motor wire connection is reversed.	Swap the yellow and black motor wires (refer to Section 5).
Limited control range or intermittent connection.	Interference; antenna not properly positioned; low transmitter battery.	Ensure no strong interference sources are nearby. Check that the antenna inside the boat is positioned correctly and not obstructed. Replace transmitter batteries.
Boat does not self-right.	Unlikely, but possible mechanical issue or extreme conditions.	Retrieve the boat manually if this occurs.

7. SPECIFICATIONS

- **Product Dimensions:** 31.5 x 7.87 x 6.3 inches (80 x 20 x 16 cm)

- **Item Weight:** 6.84 pounds (3.1 kg)
- **Model Number:** M123
- **Manufacturer:** SOWOFA
- **Recommended Age:** 14 months - 14 years (Note: Adult supervision recommended for all ages)
- **Batteries:** 2 x 14.8V 4200mAh Lithium Polymer (included)
- **Motor:** S3.0 Brushless Motor (3720/1750KV Water cooled)
- **Max Speed:** 70-80 km/h (44-50 mph)
- **Remote Control Frequency:** 2.4Ghz
- **Remote Control Distance:** 100-200 meters (up to 300 meters in ideal conditions)



Figure 7: The substantial size of the SOWOFA S3.0 Pro Speed Boat.

8. WARRANTY AND SUPPORT

SOWOFA provides support for its products. If you encounter any issues with missing parts, damage, or malfunctioning components, please contact the seller directly. The manufacturer offers a 45-day free reissue policy for such cases.

For further assistance or inquiries, please refer to the contact information provided with your purchase or visit the official SOWOFA store on Amazon: [SOWOFA Store](#).

