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4DRC 4DRC-S5-B

4DRC RC Mini Boat User Manual

MODEL: 4DRC-S5-B

Brand: 4DRC

1. INTRODUCTION

Thank you for choosing the 4DRC RC Mini Boat. This remote-controlled boat is designed for fun in pools and lakes, featuring LED lights, 2.4Ghz full proportional control, and capsize recovery. This manual provides essential information for safe operation, maintenance, and troubleshooting.

What's in the Box:

- 4DRC RC Mini Boat
- Remote Control
- Lithium Ion Battery (1 included)
- Charging Cable (USB)
- Spare Propellers
- Instruction Manual

2. SAFETY INFORMATION

Always operate the 4DRC RC Mini Boat responsibly. This product is intended for users aged 8 years and up. Adult supervision is recommended for younger users. Avoid operating in crowded areas or near swimmers. Do not operate in saltwater. Ensure the boat is dry before charging or storing. Keep fingers and loose clothing away from propellers when the boat is powered on.

3. PRODUCT COMPONENTS

The 4DRC RC Mini Boat consists of the boat itself and a 2.4Ghz remote control. Key features include a durable ABS plastic hull, waterproof design, and dual propellers.



Figure 3.1: 4DRC RC Mini Boat and Remote Control. The boat is teal and yellow, with a black remote control.



Figure 3.2: Close-up of the boat's rear showing the dual propeller system, designed for efficient propulsion.



Figure 3.3: Illustration of the double-hatch design, which enhances the boat's waterproof capabilities.

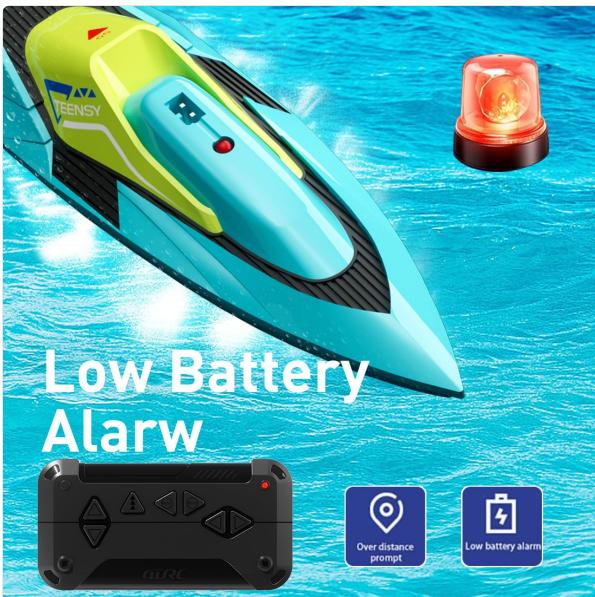


Figure 3.4: The remote control indicating a low battery alarm, prompting the user to return the boat for charging.

4. SETUP AND CHARGING

4.1 Battery Installation and Charging

1. Open the battery compartment on the boat.
2. Connect the included Lithium Ion battery to the boat's connector.
3. Securely close the battery compartment, ensuring it is fully sealed to maintain waterproofing.
4. To charge the boat's battery, connect the USB charging cable to the boat and a compatible USB power source. The charging indicator will show the charging status.
5. For the remote control, insert 2x AAA batteries (not included) into its battery compartment.

A full charge typically provides approximately 20-40 minutes of play time, depending on usage. The boat features a

low battery alarm to alert you when it's time to return the boat for charging.



Figure 4.1: Illustration showing potential battery playtime up to 40 minutes with upgraded battery.

5. OPERATING INSTRUCTIONS

5.1 Pairing the Remote Control

Turn on the boat and then the remote control. The remote will automatically pair with the boat using its 2.4Ghz frequency, ensuring strong anti-interference for multiple boats to operate simultaneously without signal conflicts.

2.4G Frequency No Signal Inference



Figure 5.1: Two boats operating simultaneously, demonstrating the 2.4Ghz non-interference feature.

5.2 Water Sensing Function

The boat is equipped with a water sensing function. The motor will only activate when the boat is placed in water, preventing accidental propeller rotation out of water and ensuring safety.

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Video 5.1: Demonstration of the 4DRC S5 RC boat's features, including water sensing, dual propeller drive, and stunt tumbling. This video showcases the boat's performance in water.

5.3 Basic Controls and Features

- Forward/Backward:** Use the joystick or directional buttons on the remote to move the boat forward or backward.
- Left/Right Steering:** Use the steering controls to turn the boat left or right. The boat offers flexible steering for precise maneuvers.
- 360° One-Touch Flip Stunt:** The RC boat features a one-touch flip function, allowing it to automatically right itself if it capsizes. This ensures continuous play without manual intervention.
- LED Lights:** The boat is equipped with colorful LED lights, enhancing visibility and enjoyment, especially during

evening operation.

- **Dual Motor System:** Powered by a 130 brush dual motor, the boat delivers efficient and responsive performance.
- **Speed Modes:** The boat supports two speed modes, allowing users to adjust the speed based on their preference and environment.



Figure 5.2: The boat demonstrating its self-righting function after capsizing, ensuring continuous play.



Figure 5.3: The boat operating at top speed, showcasing its agility on the water.

6. MAINTENANCE

- After each use, thoroughly dry the boat with a soft cloth, especially the battery compartment and motor area.
- Inspect the propellers for any debris (e.g., weeds, hair) and remove them carefully to ensure optimal performance.
- Store the boat and remote control in a cool, dry place away from direct sunlight and extreme temperatures.

- If storing for an extended period, remove batteries from the remote control to prevent leakage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Boat does not move in water.	Not properly paired; low battery; water sensing not activated.	Ensure boat and remote are on and paired. Charge boat battery. Ensure boat is fully submerged in water for water sensing to activate.
Boat is slow or unresponsive.	Low battery; debris in propellers; out of range.	Recharge boat battery. Check and clear propellers. Bring boat closer to remote control.
Boat capsizes frequently.	Rough water conditions; improper operation.	Operate in calm water. Utilize the one-touch flip function to right the boat.
Remote control not working.	Low or dead batteries in remote.	Replace AAA batteries in the remote control.

8. PRODUCT SPECIFICATIONS

Model Number: 4DRC-S5-B

Product Dimensions: 3 x 3 x 2 inches

Item Weight: 6 ounces

Country of Origin: China

Recommended Age: 8 years and up

Battery: 1 Lithium Ion battery (included)

Control Frequency: 2.4Ghz

Motor Type: 130 Brush Dual Motor

Features: LED Light, Capsize Recovery, Water Sensing Function, 360° Flip Stunt, 2 Speed Modes

9. WARRANTY INFORMATION

This product comes with a standard manufacturer's warranty. For details regarding warranty coverage, duration, and claims, please refer to the warranty card included in your product packaging or contact 4DRC customer support.

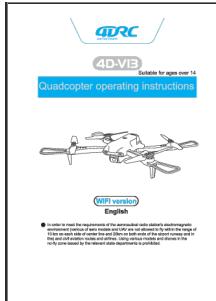
10. CUSTOMER SUPPORT

For any questions, technical assistance, or support inquiries regarding your 4DRC RC Mini Boat, please contact 4DRC customer service. You can find contact information on the product packaging or the official 4DRC website. Visit the 4DRC Store on Amazon: [4DRC Store](#)

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Related Documents - 4DRC-S5-B

	<p>4D-S2 High-Speed Remote Control Boat Operation Manual</p> <p>This operation manual provides detailed instructions for the 4D-S2 high-speed remote control boat, covering setup, operation, safety precautions, and troubleshooting.</p>
	<p>4DRC 4D-M3 Quadcopter Operating Instructions and Manual</p> <p>Comprehensive operating instructions and guide for the 4DRC 4D-M3 Quadcopter, covering setup, flight controls, app usage, and troubleshooting.</p>
	<p>4DRC 4D-F12 Quadcopter Operating Instructions</p> <p>Comprehensive operating instructions and user manual for the 4DRC 4D-F12 Quadcopter, covering setup, flight operations, app control, and safety guidelines.</p>
	<p>4DRC 4D-V14 WiFi Version Quadcopter Operating Instructions</p> <p>Comprehensive operating instructions for the 4DRC 4D-V14 WiFi Version Quadcopter, covering setup, flight operations, remote control functions, and APP usage.</p>
	<p>4DRC 4D-V4 Quadcopter Operating Instructions</p> <p>Comprehensive operating instructions for the 4DRC 4D-V4 Quadcopter, including setup, remote control operation, APP control, and safety guidelines.</p>



[4DRC 4D-V13 WiFi Version Quadcopter Operating Instructions](#)

Comprehensive operating instructions for the 4DRC 4D-V13 WiFi Version Quadcopter, covering setup, flight controls, safety precautions, and app integration.