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› 4DRC S2 High Speed RC Boat User Manual

4DRC 4D-S2

4DRC S2 High Speed RC Boat User Manual

Model: 4D-S2

INTRODUCTION

This manual provides detailed instructions for the safe and effective operation, setup, and maintenance of your 4DRC S2 High Speed RC Boat. Please read this manual thoroughly before operating the boat to ensure optimal performance and longevity.

PACKAGE CONTENTS

- 4DRC S2 RC Boat
- 2.4GHz Remote Controller
- 7.4V/600mAh Rechargeable Batteries (x2)
- USB Charging Cable
- Propeller (Spare)
- Wrench
- Instruction Manual



Image: The 4DRC S2 RC Boat, its 2.4GHz remote controller, and two rechargeable batteries, along with the product packaging.

SETUP GUIDE

1. Battery Installation and Charging

The 4DRC S2 boat comes with two 7.4V/600mAh rechargeable batteries. Ensure batteries are fully charged before first use.

- **Boat Battery:** Open the double-hatch cover on the boat's deck. Connect the charged battery to the boat's power connector. Securely close the hatch covers to ensure water resistance.
- **Remote Controller Battery:** Insert 3x AA batteries (not included) into the remote controller's battery compartment.

Double Hatch Waterproof Deseign

SEAL THE OUTTER COVER



Image: An exploded view of the boat's double-hatch waterproof design, highlighting the exterior and internal compartments, including the water circulation cooling system. Dimensions of 50cm length, 11.5cm width, and 9.5cm height are shown.

2. Pairing the Remote Controller

1. Ensure the boat battery is connected and the boat is placed on water.
2. Turn on the remote controller.
3. The remote and boat will automatically pair. A successful pairing is indicated by a solid light on both devices.

OPERATING INSTRUCTIONS

1. Basic Controls

- **Throttle Control:** Push the throttle lever forward to accelerate, pull back to reverse.
- **Direction Control:** Turn the steering wheel left or right to steer the boat.
- **Fine-tuning:** Use the trim buttons on the remote to adjust forward, left, and right steering for straight running.



Image: A detailed diagram of the 2.4GHz remote controller, labeling its various functions including forward fine-tuning, right turn fine-tuning, left turn fine-tuning, back fine-tuning, lighting control, reset, rollover function, switch, direction control, throttle control, and bottom battery compartment.

2. Special Features

- **Capsize Recovery:** If the boat flips over, use the "Rollover function" button on the remote to automatically right the boat. This self-righting design ensures stable operation even in challenging water conditions.

CAPSIZING RECOVERY

Self-righting design keep your boat plays well when it capsizes



Image: An illustration demonstrating the boat's capsizing recovery feature, showing the boat upside down and then righting itself in the water.

- **LED Lights:** The boat is equipped with cool LED lights for enhanced visibility and enjoyment during night operation. Use the "Lighting control" button on the remote to activate or deactivate them.

LED LIGHTS CREATES MORE ATMOSPHERE



REAL LIGHTS



Image: The RC boat operating on water with its LED lights illuminated, creating a visible glow.

- **Low Battery Alarm:** The remote controller will emit a beeping sound when the boat's battery or the remote's battery is low. This feature reminds you to return the boat to shore before power is completely depleted, preventing loss.

LOW BATTERY ALARM

The remote control will alert
when the hull battery is low power



Image: An illustration depicting the low battery alarm feature, showing the remote controller and boat with warning icons for low power.

- **Dual Waterproof Design:** The boat features a durable hull with double-hatch protection, providing superior water resistance and protecting internal components.
- **High-Speed Water-Cooled Motor:** The motor is designed with a water circulation cooling system to prevent overheating and ensure smooth, efficient operation at high speeds.



High-speed water cooled motor

Water circulation to cool down to prevent overheating damage

Image: A close-up view of the boat's high-speed water-cooled motor, showing the internal water circulation tubes designed to prevent overheating.

3. Recommended Operating Environment

The 4DRC S2 RC Boat is designed for use in pools, lakes, and ponds. Avoid operating in saltwater, strong currents, or areas with dense aquatic vegetation or debris, as this can damage the propeller or motor.

MAINTENANCE

- **After Each Use:**

- Remove the boat battery.
- Drain any water from the hull.
- Wipe down the boat and remote controller with a soft, dry cloth.
- Inspect the propeller and rudder for any debris or damage.

- **Battery Care:**

- Store batteries in a cool, dry place away from direct sunlight.
 - Do not overcharge or over-discharge batteries.
 - If storing for extended periods, charge batteries to approximately 50% capacity.
- **Motor Cooling System:** Periodically check the water intake and outlet for blockages to ensure the water-cooled motor functions correctly.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Boat does not respond to remote.	Low battery in boat or remote; Not paired; Out of range.	Charge/replace batteries; Re-pair boat and remote; Operate within 393 feet control distance.
Boat capsizes frequently.	Rough water conditions; Incorrect operation.	Operate in calmer water; Use capsize recovery function; Practice steering.
Boat speed is low.	Low boat battery; Propeller tangled with debris.	Charge boat battery; Clear propeller of any obstructions.
Water inside the boat.	Hatch covers not properly sealed; Damage to hull.	Ensure both hatch covers are securely closed; Inspect hull for cracks and repair if necessary.

SPECIFICATIONS

- **Model Number:** 4D-S2
- **Brand:** 4DRC
- **Material:** Plastic
- **Color:** Green
- **Dimensions (L x W x H):** 50 x 11.5 x 9.5 cm (19.7 x 4.5 x 3.7 inches)
- **Weight:** 907.18 g (2 lbs)
- **Max Speed:** 30+ mph (approx. 48+ km/h)
- **Control Frequency:** 2.4 GHz
- **Control Distance:** Up to 393 feet (approx. 120 meters)
- **Boat Battery:** 7.4V/600mAh Li-ion (x2 included)
- **Remote Controller Battery:** AA batteries (not included)
- **Run Time:** Approximately 25 minutes per battery (total 50 minutes with 2 batteries)
- **Features:** Capsize Recovery, LED Lights, Low Battery Alarm, Dual Waterproof Design, Water-Cooled Motor

WARRANTY AND SUPPORT

4DRC products are designed for quality and performance. For any questions, technical support, or warranty claims, please contact 4DRC customer service through the retailer's platform or the official 4DRC website. Please retain your proof of purchase for warranty service.

For more information, visit: [4DRC Brand Store on Amazon](#)

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question