

DEERC 5

DEERC Brushless Remote Control Boat Instruction Manual

Model: 5

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective operation, setup, and maintenance of your DEERC Brushless Remote Control Boat. Designed for high-speed performance and durability, this RC boat offers an exciting experience for enthusiasts.

The boat is equipped with a powerful KV2850 brushless motor, enabling speeds up to 30 mph, supported by an efficient water cooling system for sustained performance. Its advanced design includes an independent smart ESC, an 11.1V 3S high-capacity battery, and a high-torque digital servo, ensuring precise control and responsiveness. Key features include a self-righting hull for capsizing recovery, an auto-demo function for showcasing stunts, and triple-hatch waterproof protection. Bright LED lights enhance visibility for day and night use, and a 2.4Ghz control system provides a non-interference racing experience. Built with high-quality materials, the boat is designed to withstand challenging conditions, complemented by low battery and weak signal alarms for a secure operating experience.



Image 1.1: Overview of the DEERC Brushless Remote Control Boat, showcasing its sleek design, accompanying remote controller, and the powerful brushless motor.

2. SAFETY INFORMATION

This product contains small parts and is not suitable for children under 8 years old as it may pose a choking hazard. Always operate the product under adult supervision, especially in areas with traffic or hazards.

- Do not operate the boat in saltwater.
- Ensure all hatches are securely closed before placing the boat in water.
- Keep fingers, hair, and loose clothing away from the propeller when the boat is powered on.
- Do not touch the motor immediately after use, as it may be hot.
- Always remove the battery from the boat when not in use or during storage.
- Only use the provided charger and battery, or compatible replacements recommended by the manufacturer.

3. WHAT'S IN THE BOX

Verify that all components are present in the package:

- RC Boat
- Remote Controller
- Battery (1 Lithium Ion battery required, included)
- Charging Cable
- Screwdriver



Image 3.1: The DEERC RC Boat and its accompanying remote controller, ready for use.

4. SETUP

4.1 Charging the Battery

1. Connect the charging cable to the battery.
2. Plug the USB end of the charging cable into a suitable USB power adapter (not included).
3. The indicator light on the charger will show the charging status. Refer to the charger's specific instructions for light indications.
4. Charging typically takes several hours. Do not overcharge the battery.

4.2 Installing the Boat Battery

1. Carefully open the triple hatch waterproof covers on the top of the boat using the provided screwdriver if necessary.
2. Connect the fully charged battery to the boat's power connector.
3. Place the battery securely within the battery compartment. Ensure wires are not pinched.
4. Close all hatches securely to maintain the waterproof seal. Ensure the latches are properly aligned and do not force them.



Image 4.1: Detailed view of the boat's triple hatch waterproof design, illustrating the exterior, battery cover, and interior

compartments for secure battery installation.

4.3 Remote Controller Setup

1. Install 3 AA batteries (not included) into the remote controller.
2. Turn on the remote controller.
3. Place the boat in water to activate its power system. The boat will not activate on dry land for safety.
4. The remote and boat should automatically pair. If not, refer to the troubleshooting section.

5. OPERATING INSTRUCTIONS

5.1 Basic Controls

- **Throttle Trigger:** Pull to accelerate forward, push to reverse.
- **Steering Wheel:** Turn left or right to steer the boat.
- The boat features full proportional throttle and steering for precise control.

STEPLESS SPEED REGULATION



FULL PROPORTIONAL THROTTLE & STEERING

Image 5.1: Operating the DEERC RC Boat, highlighting the stepless speed regulation and full proportional control for both throttle and steering.

5.2 Self-Righting Function

The boat is designed with a 180-degree capsizing recovery function. If the boat flips over, simply apply throttle or use the dedicated self-righting button (if available on your remote) to automatically flip it back upright. This ensures continuous play without manual intervention.



Image 5.2: The self-righting hull design in action, demonstrating how the boat automatically rights itself if it capsizes during operation.

5.3 Auto-Demo Function

Activate the auto-demo function to have the boat perform automatic driving stunts in an O-shape pattern. This feature is ideal for showcasing the boat's agility or for enjoying a hands-free demonstration.

STEPLESS SPEED REGULATION



FULL PROPORTIONAL THROTTLE & STEERING

Image 5.3: The boat executing its one-click demo mode, performing a circular pattern on the water surface.

5.4 Water Cooling System

The boat features an efficient water cooling system that circulates water through the motor to dissipate heat, ensuring safer and long-lasting service, especially during high-speed operation.



Image 5.4: Diagram of the brushless water circulation cooling system, showing how water flows to cool the motor.

5.5 LED Lights

The integrated LED lights illuminate the boat's path, enhancing visibility and adding to the aesthetic appeal, particularly when operating in low-light conditions or at night.

FANCY LED LIGHTS

FOR DAY & NIGHT FUN



Image 5.5: The boat's fancy LED lights, providing illumination for day and night operation.

5.6 Low Battery & Weak Signal Alarm

The remote controller will beep once it detects low power in the boat's battery or a weak signal connection. This alarm reminds you to bring the boat back to shore in a timely manner, preventing it from getting stranded.



Image 5.6: Visual representation of the low battery and weak signal alarm system, indicating when to return the boat.

6. MAINTENANCE

- **After Each Use:** Always remove the battery from the boat. Open all hatches and thoroughly dry the interior and exterior of the boat with a soft cloth.
- **Propeller Care:** Inspect the propeller for any debris (e.g., weeds, fishing line) after each use. Clean as necessary to ensure optimal performance.
- **Water Cooling System:** Periodically check the water intake and outlet for blockages. Ensure water flows freely through the system.
- **Battery Storage:** Store the battery in a cool, dry place away from direct sunlight and extreme temperatures. Do not store fully charged or completely depleted for extended periods.
- **General Cleaning:** Use a damp cloth to wipe down the boat and remote controller. Do not use harsh chemicals or solvents.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Boat does not respond to remote.	Low battery in boat or remote; Not paired; Boat not in water.	Charge boat battery; Replace remote batteries; Ensure boat is placed in water for activation; Re-pair remote and boat.
Boat does not self-right.	Insufficient power; Malfunction of self-righting mechanism.	Ensure battery is fully charged. If problem persists, contact customer support.
Short run time.	Battery not fully charged; Aging battery.	Ensure battery is fully charged before use. Consider replacing the battery if it's old or damaged.
Water inside the boat.	Hatches not securely closed; Damaged seal.	Ensure all hatches are properly sealed before operation. Inspect seals for damage and replace if necessary.
Propeller or steering issues.	Debris in propeller; Damaged propeller; Stripped steering gear/motor.	Check and clear any debris from the propeller. Inspect propeller for damage and replace if needed. For internal gear/motor issues, contact customer support.

8. SPECIFICATIONS





Feature	Detail
Product Dimensions	16.33 x 4.33 x 4.4 inches
Item Weight	2.86 pounds
Item Model Number	5
Manufacturer Recommended Age	8 years and up
Batteries	1 Lithium Ion battery required (included)
Manufacturer	Xiamen Huoshiquan Import & Export CO.,Ltd.

9. WARRANTY AND SUPPORT

For warranty information, parts, or technical support, please contact DEERC customer service directly. Many customers have reported positive experiences with DEERC's support team for issues such as replacement parts or product concerns.

Refer to the product packaging or the official DEERC website for the most current contact information.

Related Documents

	<p>DEERC RC Boat Product Manual - High-Speed Racing Boat</p> <p>Comprehensive product manual for the DEERC RC high-speed racing boat. Includes setup, operation, maintenance, and safety guidelines.</p>
	<p>DEERC H120 2.4G High Speed Boat User Manual</p> <p>Comprehensive user manual for the DEERC H120 2.4G high-speed remote control boat, covering parts identification, setup, operation, maintenance, and safety precautions.</p>
	<p>DEERC PX9200 Series RC Car Instruction Manual and Specifications</p> <p>Detailed guide for the DEERC PX9200 RC car, covering package contents, charging, battery installation, remote control functions, operation, pairing, safety warnings, assembly views, and technical specifications.</p>
	<p>DEERC D10 Drone: Instructions for Use and Operation Guide</p> <p>Comprehensive guide for the DEERC D10 drone, covering setup, operation, safety guidelines, specifications, and troubleshooting. Learn how to fly and utilize all features of your DEERC D10 drone.</p>