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Cheerwing UDI009

Cheerwing UDI009 2.4Ghz RC Racing Boat Instruction Manual

Model: UDI009

1. INTRODUCTION

This manual provides instructions for the safe operation, setup, maintenance, and troubleshooting of your Cheerwing UDI009 2.4Ghz RC Racing Boat. Please read this manual thoroughly before operating the boat to ensure proper function and longevity of the product.

2. SAFETY PRECAUTIONS

- Always operate the boat in open water, away from people, animals, and obstacles.
- Do not operate in saltwater. Only use in fresh water.
- Ensure the battery is fully charged before each use.
- Never touch the propeller when the boat is powered on.
- Keep hands and loose clothing away from moving parts.
- Adult supervision is recommended for users under 14 years of age.
- Do not disassemble or modify the boat or remote control.
- If the boat capsizes, use the self-righting feature or retrieve it safely.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Cheerwing UDI009 RC Racing Boat
- 2.4Ghz Remote Control
- Lithium-Ion Battery (for boat)
- USB Charger
- Display Stand
- Extra Propeller
- Instruction Manual (this document)

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your RC Racing Boat and remote control.



Image 4.1: The Cheerwing UDI009 RC Racing Boat and its accompanying 2.4Ghz remote control.

Structure

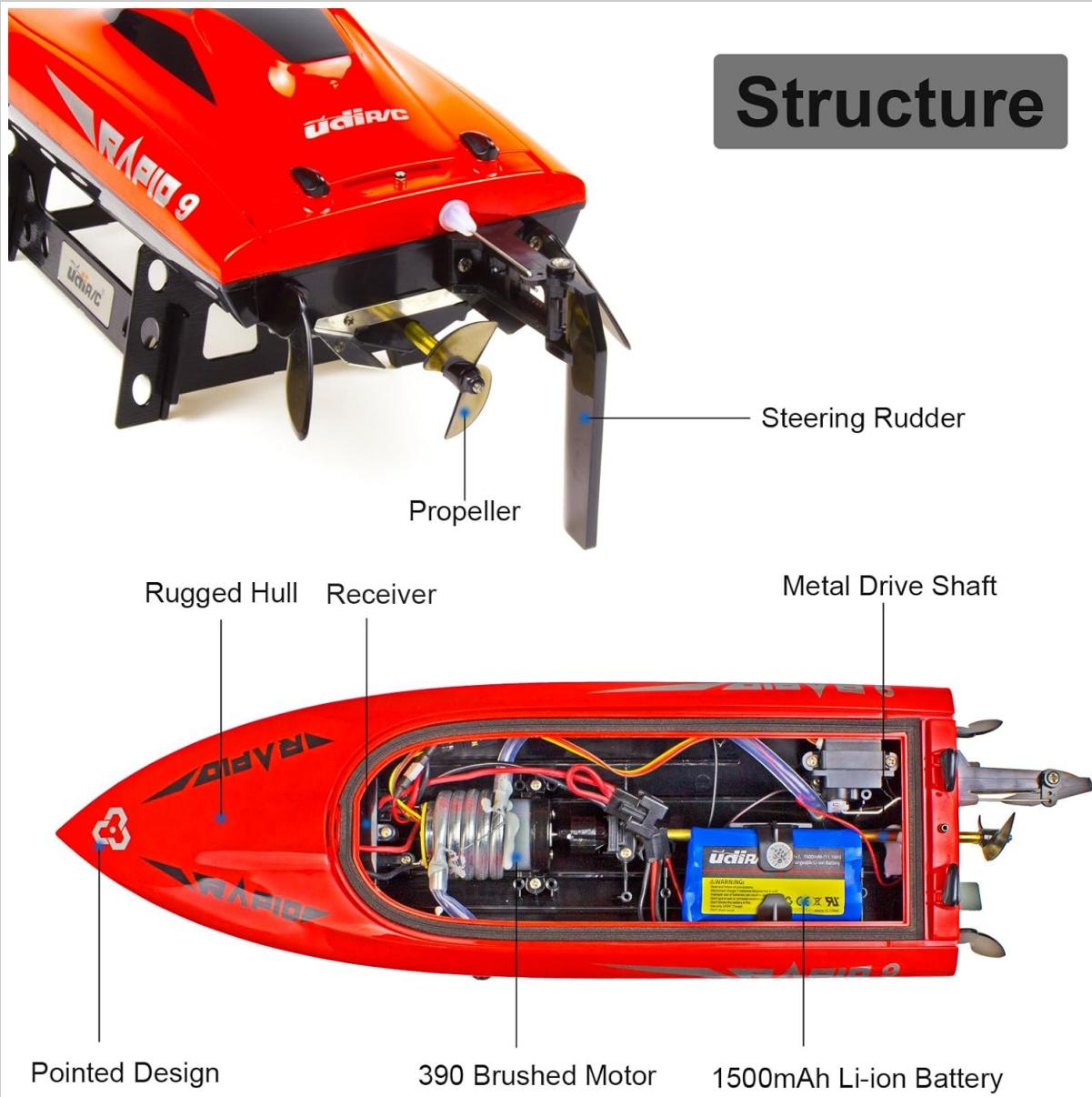


Image 4.2: Detailed view of the boat's internal structure, showing the 390 brushed motor, 1500mAh Li-ion battery, receiver, metal drive shaft, propeller, and steering rudder.

Double Waterproof Design



Image 4.3: Illustration of the double-locking cover design, featuring a top cover and a middle cover for enhanced water resistance.

5. SETUP

5.1 Charging the Boat Battery

1. Connect the Lithium-Ion battery to the provided USB charger.
2. Plug the USB charger into a compatible USB power source (e.g., computer, USB wall adapter).
3. The indicator light on the charger will show the charging status. Refer to the charger's specific instructions for light indications (usually red for charging, green for fully charged).
4. Charging typically takes approximately 2-3 hours. Do not overcharge the battery.
5. Once fully charged, disconnect the battery from the charger.

5.2 Installing Batteries in the Remote Control

1. Open the battery compartment on the back of the remote control.
2. Insert 4 "AA" batteries (not included), ensuring correct polarity (+/-).
3. Close the battery compartment securely.

5.3 Installing the Boat Battery

1. Carefully remove the top and middle covers of the boat.
2. Connect the fully charged Lithium-Ion battery to the boat's power connector.
3. Place the battery securely within the battery compartment.
4. Ensure all wires are tucked away and do not interfere with the covers.
5. Re-install the middle cover, then the top cover, ensuring both are securely latched to maintain the double waterproof seal.

5.4 Pairing the Remote Control with the Boat

1. Place the boat in water. The boat's internal sensors require contact with water to activate.
2. Turn on the remote control. The indicator light on the remote will flash.
3. The remote control will automatically pair with the boat. Once paired, the indicator light on the remote will become solid.
4. Test the controls (throttle and steering) to ensure proper connection before full operation.

6. OPERATING INSTRUCTIONS

6.1 Basic Controls

- **Throttle Trigger:** Pull the trigger to move the boat forward. Push the trigger to move the boat backward (reverse).
- **Steering Wheel:** Turn the wheel left to steer the boat left, and right to steer the boat right.

6.2 Special Features

- **2.4Ghz High Speed System:** Allows multiple boats to operate simultaneously without interference. Achieves speeds up to 30km/h.
- **Dual-Locking Cover:** Provides enhanced water resistance to protect internal components.
- **Auto-Corrects Yaw:** The internal navigation rudder design automatically corrects the boat's direction, simplifying control.
- **Capsize Recovery:** If the boat flips over, briefly apply reverse throttle, then forward throttle. The motor's torque will help right the boat.



				
Waterproof	Poor Signal Alarm	Watercooled system	Low Battery Alarm	Self-Righting Hull Design

Image 6.1: Visual representation of the self-righting hull design, allowing the boat to recover from a capsize.

- **Low Battery Alarm:** The remote control will emit an audible alarm when the boat's battery is low or if the signal is weak. This indicates it's time to return the boat to shore for charging.

Low Battery Warning

The controller will sound alarm while your racing boat is in weak signal status or low battery



Image 6.2: The remote control displaying a low battery warning, indicating the need to recharge the boat's battery.

7. MAINTENANCE

- **After Each Use:**

- Remove the boat battery and disconnect it.
- Drain any water from the hull.
- Wipe down the boat and remote control with a soft, dry cloth.
- Ensure all components are completely dry before storage to prevent corrosion.

- **Propeller Care:** Regularly check the propeller for any debris (weeds, fishing line) and remove it carefully. Inspect for damage and replace if necessary using the spare propeller provided.
- **Storage:** Store the boat and remote in a cool, dry place, away from direct sunlight and extreme temperatures. Remove batteries from the remote control if storing for extended periods.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Boat does not respond to remote.	Boat not in water. Batteries (boat or remote) are low/dead. Not paired correctly. Out of range.	Place boat in water. Charge boat battery, replace remote batteries. Re-pair boat and remote (Section 5.4). Bring boat closer to remote.
Boat runs slowly or intermittently.	Low boat battery. Propeller obstructed. Water leakage.	Charge boat battery. Check and clear propeller. Ensure covers are sealed properly.
Boat capsizes frequently.	Aggressive turning at high speed. Rough water conditions.	Reduce speed before turning. Operate in calmer water. Use capsize recovery feature.

9. SPECIFICATIONS

Feature	Detail
Model Number	UDI009
Brand	Cheerwing
Frequency	2.4Ghz
Max Speed	Up to 30 KM/H
Boat Battery	1 Lithium Ion battery (included)
Remote Control Battery	4 "AA" batteries (not included)
Product Dimensions	16.69 x 4.68 x 4.49 inches (424 x 119 x 114 mm)
Item Weight	11.4 ounces (323 grams)
Recommended Age	14 years and up

10. WARRANTY AND SUPPORT

Cheerwing is committed to providing quality products and customer satisfaction. For any questions, technical support, or warranty inquiries regarding your UDI009 RC Racing Boat, please contact Cheerwing customer service. Refer to your purchase documentation or the official Cheerwing website for contact information.

Please retain your proof of purchase for warranty claims.

 CW4 <small>Take aerial videos and photos with Camera</small> USER MANUAL <small>▲ This product is suitable for users over 14 years old. ▲ Stay away from the racing program. ▲ Read the relevant safety and safety guidelines carefully.</small>	<p><u>CheerWing CW4 Drone User Manual: Operation, Safety, and Troubleshooting</u></p> <p>A comprehensive guide to the CheerWing CW4 drone, covering setup, flight operations, control stick functions, safety precautions, parts replacement, and troubleshooting tips for optimal performance.</p>
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