

## DEERC Z66

# DEERC 3CH Amphibious RC Plane Instruction Manual

Model: Z66

## 1. INTRODUCTION

Thank you for purchasing the DEERC 3CH Amphibious RC Plane, Model Z66. This remote-controlled aircraft is designed for versatile operation across water, land, and air, offering an engaging experience for users of various skill levels. This manual provides essential information for safe assembly, operation, maintenance, and troubleshooting to ensure optimal performance and enjoyment of your RC plane.

## 2. SAFETY PRECAUTIONS

- **Read the Manual:** Before operating the aircraft, thoroughly read and understand all instructions in this manual.
- **Age Recommendation:** This product is suitable for individuals aged 14 years and older. Adult supervision is recommended for younger users.
- **Flight Environment:** Operate the aircraft in open areas, away from people, buildings, trees, and power lines. Avoid flying in strong winds or adverse weather conditions.
- **Battery Safety:** Use only the provided batteries and charger. Do not overcharge or short-circuit batteries. Discontinue use if batteries show signs of damage or swelling.
- **Propeller Safety:** Keep hands, face, and loose clothing away from rotating propellers.
- **Water Operation:** Ensure the aircraft is fully waterproofed before water use. Avoid saltwater, as it can corrode components.
- **Post-Flight:** Always turn off the aircraft and remote control after use. Disconnect and remove batteries when not in use.

## 3. PACKAGE CONTENTS

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

- 1 x DEERC Z66 RC Plane
- 1 x Remote Control
- 2 x 7.4V 800mAh Li-Po Batteries
- 1 x USB Charging Cable
- 4 x Spare Propellers
- 1 x Instruction Manual



Image 3.1: The DEERC Z66 RC Plane package showing the plane, remote control, batteries, charger, spare propellers, and manual.

## 4. PRODUCT OVERVIEW

The DEERC Z66 is a 3-channel amphibious RC plane constructed from durable EPP material, designed for resilience against impacts and water exposure. It features a 6-axis gyro stabilization system for enhanced flight stability and ease of control, making it suitable for beginners. The aircraft is equipped with dual motors and a 2.4GHz remote control system for reliable operation.



Image 4.1: The DEERC Z66 Amphibious RC Plane, its remote control, and two batteries. The plane features a white body with blue and red accents, twin propellers, and floats for water landings.





Image 4.2: Diagram illustrating the auto-leveling 6-axis flight system, highlighting improved stability, control, and performance of the DEERC Z66 RC Plane.

## 5. SETUP

### 5.1 Battery Charging

The aircraft uses 7.4V 800mAh Li-Po batteries. Always charge batteries fully before use.

1. Connect the USB charging cable to a suitable USB power adapter (not included).
2. Connect the battery to the charging cable.
3. The indicator light on the charger will show the charging status. Refer to the charger's specific instructions for light indications (e.g., red for charging, green for full).
4. Charging typically takes approximately 90-120 minutes. Do not leave batteries unattended while charging.



Image 5.1: The DEERC Z66 RC Plane with its battery compartment open, showcasing the two high-capacity Li-Po batteries that provide up to 40 minutes of flight time.

## 5.2 Aircraft Battery Installation

1. Locate the battery compartment on the aircraft.
2. Carefully insert a fully charged battery into the compartment.
3. Connect the battery connector to the aircraft's power port.
4. Securely close the battery compartment cover.

## 5.3 Remote Control Battery Installation

The remote control requires 4 x AA batteries (not included).

1. Open the battery cover on the back of the remote control.
2. Insert 4 new AA batteries, ensuring correct polarity (+/-).
3. Close the battery cover securely.

## 5.4 Binding Procedure

To establish communication between the remote control and the aircraft:

1. Ensure the aircraft's battery is connected and the aircraft is placed on a flat surface.
2. Turn on the remote control. The indicator light on the remote will flash.
3. Move the throttle stick (left stick) all the way up, then all the way down.
4. The remote control's indicator light will become solid, indicating successful binding.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Pre-Flight Check

- Ensure both aircraft and remote control batteries are fully charged.
- Verify that the propellers are securely attached and free from damage.
- Check that all control surfaces (ailerons, rudder, elevator) move freely and correctly in response to remote input.
- Select an open area free from obstacles and people.

### 6.2 Take-Off

The DEERC Z66 can take off from land, water, or snow.



# All-Terrain, All-Time Ready

The Ultimate Amphibious Aircraft for Any Landscape



Image 6.1: The DEERC Z66 RC Plane demonstrating its all-terrain capability, shown taking off from water, with insets for grass, land, ice, and snow environments.

- **Land/Snow Take-Off:** Place the aircraft on a smooth, flat surface. Gradually increase throttle. As the plane gains speed, gently pull back on the elevator stick to lift off.
- **Water Take-Off:** Place the aircraft on the water. Gradually increase throttle. The plane will skim the water surface before lifting into the air.

## 6.3 Flight Controls

The 2.4GHz remote control offers precise command over the aircraft. The 6-axis gyro stabilizer assists in maintaining stable flight.





Image 6.2: The 2.4GHz remote control for the DEERC Z66 RC Plane, with an illustration of a low battery alert icon, indicating the remote's warning system.

- **Left Stick (Throttle/Rudder):**

- Up/Down: Controls throttle (speed/altitude).
- Left/Right: Controls rudder (yaw/turning left or right).

- **Right Stick (Elevator/Aileron):**

- Up/Down: Controls elevator (pitch/nose up or down).
- Left/Right: Controls ailerons (roll/banking left or right).

- **Stunts:** The 6-axis gyro system allows for simple stunts like rolls and vertical flight tricks. Practice at a safe altitude.





Image 6.3: The DEERC Z66 RC Plane performing a 'hover stunt' in the air and an 'inverted slide' on water, demonstrating its maneuverability and amphibious capabilities.

## 6.4 Landing

- Approach the landing area at a low altitude and reduced speed.
- Gently decrease throttle and use the elevator to control the descent rate.
- For water landings, aim for a smooth touch-down on the water surface.
- Once landed, reduce throttle completely.

## 6.5 Water Operation

The aircraft's waterproof design allows for operation on water. If the plane flips over on water, its built-in functionality and controls enable you to guide it back without needing to retrieve it manually.

## 7. MAINTENANCE

- **Cleaning:** After use, especially after water landings, gently wipe down the aircraft with a soft, dry cloth to

remove any moisture or debris.

- **Propeller Inspection:** Regularly check propellers for cracks, bends, or damage. Replace any damaged propellers immediately using the spare parts provided.
- **Battery Care:** Store batteries in a cool, dry place. Do not store fully charged or completely depleted batteries for extended periods.
- **Storage:** Store the aircraft in a safe, dry place away from direct sunlight and extreme temperatures.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Aircraft does not respond to remote control.	Low battery in aircraft or remote; not bound correctly; out of range.	Charge/replace batteries; re-bind the aircraft and remote; operate within the specified control range (500 feet).
Short flight time.	Battery not fully charged; old/damaged battery.	Ensure battery is fully charged before use; consider replacing old batteries.
Difficulty controlling the aircraft.	Strong winds; incorrect trim settings; damaged propellers.	Operate in calm conditions; adjust trim on the remote control; inspect and replace damaged propellers.
Aircraft flips on water and cannot be righted.	Controls not responding or insufficient power.	Ensure batteries are charged and remote is functioning. The aircraft has built-in functionality to assist in righting itself; try various control inputs.

## 9. SPECIFICATIONS

- **Model Number:** DEERC-Z66
- **Product Dimensions:** 14.97 x 4.73 x 14.18 inches
- **Item Weight:** 1.48 pounds
- **Control Channels:** 3-Channel
- **Battery:** 7.4V 800mAh Li-Po (x2 included)
- **Flight Time:** Up to 40 minutes (with two batteries)
- **Control Range:** Approximately 500 feet
- **Stabilization:** 6-axis Gyro Stabilizer
- **Material:** EPP (Expanded Polypropylene)
- **Manufacturer:** DEERC

## 10. WARRANTY AND SUPPORT

DEERC is committed to product quality and customer satisfaction. If you encounter any issues or have questions regarding your DEERC Z66 RC Plane, please do not hesitate to contact our customer service. We take full ownership and responsibility for the quality of our products and will assist you promptly and efficiently. For support, please refer to the contact information provided on the product packaging or the official DEERC website.

