**DEERC AU4-SQN-022-RD**

# DEERC RC Plane Instruction Manual

Model: AU4-SQN-022-RD



## Introduction

Thank you for purchasing the DEERC RC Plane. This remote control airplane is designed for ease of use, featuring a 6-axis gyroscope for stable flight, making it suitable for both beginners and experienced pilots. Its durable EPP material construction ensures resilience against impacts, providing a reliable and enjoyable flying experience. Please read this manual thoroughly before operating the aircraft to ensure safe and optimal performance.


The DEERC RC Plane is designed for easy learning and fun for all ages.

## Safety Information

**WARNING: Failure to follow these instructions may result in injury or damage.**

- Always operate the RC plane in open, clear areas, away from people, animals, buildings, and power lines.
- Do not fly in strong winds or adverse weather conditions.
- Keep fingers, hair, and loose clothing away from propellers when the plane is powered on.
- Adult supervision is recommended for younger users.
- Ensure batteries are charged correctly and handled safely. Lithium Polymer (LiPo) batteries can be dangerous if

mishandled.
- Do not attempt to modify or disassemble the aircraft or remote control.

## Package Contents

Verify that all items are present in your package:

- DEERC RC Plane (1)
- Remote Control (1)
- 3.7V 185mAh LiPo Batteries (3)
- USB Charging Cables (2)
- Spare Propellers (2 pairs)
- Landing Gear Set (1)
- Screwdriver (1)
- User Manual (1)


The complete package includes the RC plane, remote, batteries, and accessories.


Visual representation of the items included in the package.

## Product Overview

The DEERC RC Plane features a lightweight and durable EPP material construction, designed to withstand impacts. It incorporates a 6-axis gyroscope for flight stability and multi-directional control. The plane is equipped with two motors for ample power and colorful LED strips for enhanced visibility and aesthetic appeal.


Key features of the DEERC RC Plane.


The plane features a colorful LED strip for visibility and fun.

## Setup

### 1. Charging the Batteries

The plane comes with three 3.7V 185mAh LiPo batteries. Use the provided USB charging cables to charge them. Connect the battery to the charging cable, then plug the USB end into a USB power source (e.g., computer USB port, USB wall adapter). The indicator light on the cable will show charging status (typically red for charging, off or green for fully charged). Charging time is approximately 30-40 minutes per battery.


The plane includes three high-capacity batteries for extended flight time.

## 2. Installing Plane Battery

Open the battery compartment on the underside of the plane. Carefully connect a charged battery to the plane's power connector. Ensure the wires are tucked neatly to allow the compartment cover to close securely.

## 3. Installing Remote Control Batteries

The remote control requires 3 AAA batteries (not included). Open the battery compartment on the back of the remote and insert the batteries, observing the correct polarity (+/-). Close the compartment cover.

## 4. Attaching Landing Gear (Optional)

The landing gear is removable. If you wish to perform ground take-offs, gently insert the landing gear into the designated slots on the underside of the plane. For hand launches, the landing gear can be omitted.


The landing gear can be easily attached or removed.

## Operating Instructions

### 1. Pairing the Remote Control

1. Ensure the plane's battery is connected and the plane is powered on.
2. Turn on the remote control.
3. Move the throttle stick (left stick) all the way up, then all the way down. The remote will beep, indicating successful pairing.

### 2. Take-off Modes

The DEERC RC Plane supports two take-off methods:

- **Ground Take-off:** Place the plane on a flat, clear surface with the landing gear attached. Slowly increase throttle and the plane will gain speed and lift off.
- **Hand Launch:** Hold the plane firmly and gently toss it forward into the wind while simultaneously increasing throttle. Ensure no obstacles are in the flight path.


Choose between ground take-off or hand launch depending on your preference and environment.

### 3. Flight Controls

The 2.4GHz radio control system allows for precise control up to 164 feet (50 meters).

- **Throttle (Left Stick Up/Down):** Controls the speed and altitude of the plane.
- **Direction (Right Stick Left/Right):** Controls the turning direction of the plane.


The 2.4GHz radio system provides a control range of up to 165 feet.


Experience multi-directional control for dynamic flight.

### 4. Auto-Leveling Six-Axis Flight System

The built-in 6-axis gyroscope automatically stabilizes the plane. If the plane loses control, simply release the throttle, and the gyroscope will activate the balance function, automatically restoring the plane to a stable flight state.


The auto-leveling system helps maintain stable flight, especially for beginners.

### 5. Speed Modes

The remote control allows you to switch between two speed modes, catering to different skill levels and flying environments. Refer to your remote control's specific buttons for speed mode adjustment.


Adjust flight speed with two available modes.

### 6. Smaller Turn Radius

The compact size of the DEERC RC Plane allows for a smaller turn radius, making it ideal for flying in confined spaces like yards or parks, and easier for new pilots to maneuver.


The small turn radius simplifies learning and flying in smaller areas.

## Maintenance

### 1. Cleaning

Wipe the plane gently with a clean, dry cloth after each use to remove dirt or debris. Avoid using water or chemical cleaners, as they may damage the electronics or EPP material.

### 2. Propeller Replacement

If a propeller is damaged, use the provided screwdriver to carefully remove the old propeller and install a new one. Ensure the new propeller is securely fastened and oriented correctly.

### 3. Battery Care

- Always fully charge batteries before use.
- Do not overcharge or over-discharge batteries.

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- If not used for an extended period, charge batteries to approximately 50% capacity before storing.


The plane's EPP material is designed for durability and crash resistance.

## Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| Plane does not respond to remote. | Not paired; low battery (plane/remote); out of range. | Re-pair the remote; charge/replace batteries; fly within range. |
| Plane does not take off or flies weakly. | Low plane battery; damaged propeller; motor issue. | Charge plane battery; replace damaged propellers; contact support if motor issue persists. |
| Plane drifts or is unstable. | Strong wind; gyroscope calibration needed; damaged wing/tail. | Fly in calm conditions; re-calibrate gyroscope (refer to remote instructions); inspect and repair plane. |
| LED lights not working. | Low plane battery; internal wiring issue. | Charge plane battery; contact support if issue persists. |

## Specifications

- **Model Number:** AU4-SQN-022-RD
- **Product Dimensions:** 10.7 x 4.1 x 11 inches
- **Item Weight:** 13 ounces
- **Batteries:** 3 x 3.7V 185mAh Lithium Polymer (included)
- **Control System:** 2.4GHZ Radio Control
- **Control Distance:** Up to 164 ft (50 meters)
- **Flight Time:** Up to 24 minutes (with 3 batteries)
- **Stabilization:** 6-axis Gyro Stabilizer

- **Material:** EPP Foam
- **Recommended Age:** 8 years and up


Detailed dimensions of the RC plane.

## Warranty & Support

DEERC products are designed for quality and reliability. For any questions, technical support, or warranty claims, please contact DEERC customer service through the retailer's platform or the official DEERC website. Please retain your proof of purchase for warranty service.
For more information, visit the official DEERC Store on Amazon.



### Related Documents

| | |
|---|---|
|  | DEERC D10 Drone: Instructions for Use and Operation Guide<br>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. |

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|  | [DEERC PX9200 Series RC Car Instruction Manual and Specifications]<br>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. |
|  | [DEERC D10 Drone: Instructions for Use and Operation Guide]<br>A comprehensive guide for the DEERC D10 drone, covering setup, operation, safety guidelines, functions, specifications, and contact information. Learn how to fly your DEERC D10 drone safely and effectively with this user-friendly manual. |
|  | [DEERC H120 2.4G High Speed Boat User Manual]<br>Comprehensive user manual for the DEERC H120 2.4G high-speed remote control boat, covering parts identification, setup, operation, maintenance, and safety precautions. |