

# Installation Manual



## 65" Fun Stick Balsawood Airplane





# Contents

Features	01
Product Specification	02
Package contents	03
Tools and Gear needed	04
Main landing gear installation	05
Horizontal tail and Rudder Assembly	06
Transmitter Setup	07
CG Setting	08
Battery Installation	09
Prop adapter, propeller and spinner installation	10
Contact information	11
Disclaimer and Safety	11



# 65" Fun Stick Balsa Airplane

The aircraft is characterized by good flight-line capability with slender and smooth body. Equipped with powerful motor and 3D rudder surface, it performs well from normal flight to aerobatic. You will enjoy this impressive flight by switching freely between elegant low speed and exciting high speed. Moreover, our aircraft is capable for all model lover, not only to grow faster for beginner, but to help the senior feel real flying attracted by its agile flying and smooth rolling axis on the high-speed route.



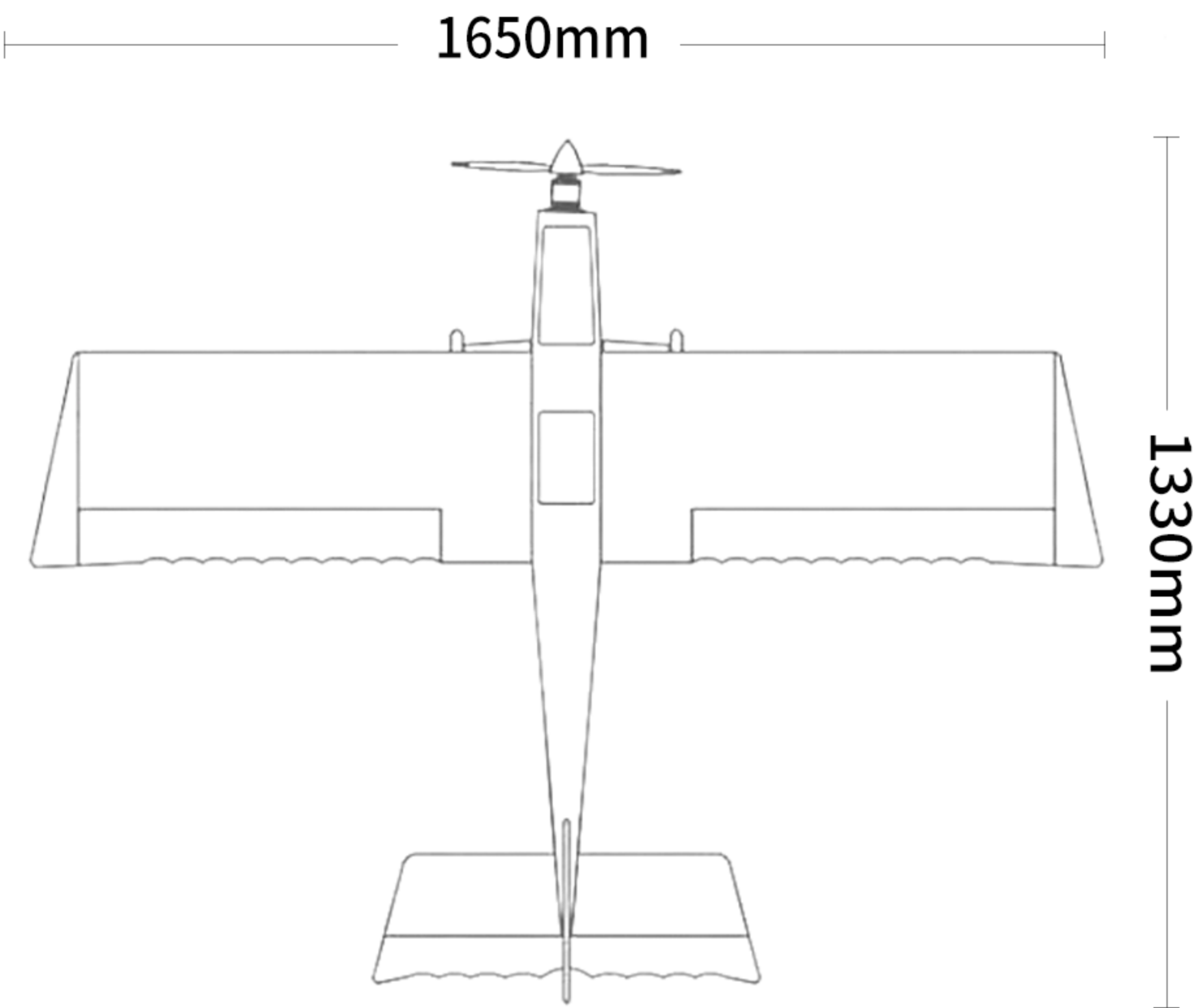


# Product Specification

Item:	Wingspan	Full Length
65” Fun Stick	1650mm(65in)	1330mm(52in)
Wing Area	Wing Load	Motor Thrust Angles
51.09dm <sup>2</sup>	38.46-43.15g/dm <sup>2</sup>	Down 0° & Right 3°
Gross Weight:	Pack Dimension	Wing Angle Of Incidence
5.6KG	129*40*25cm	0°
Flight Weight	Color Option:	
1965~2205g	Green / Red	

The Center of Gravity (CG):  
Approx.88-102mm

Electric Power (Recommended):  
Motor: Sunnysky 3525 880KV  
Propeller: Eolo 14x8  
ESC: 80A bec  
Lipos: 4S 2600mah-5200mah  
Servo: OMPHobby SG7 x 4, above 6Kg.cm

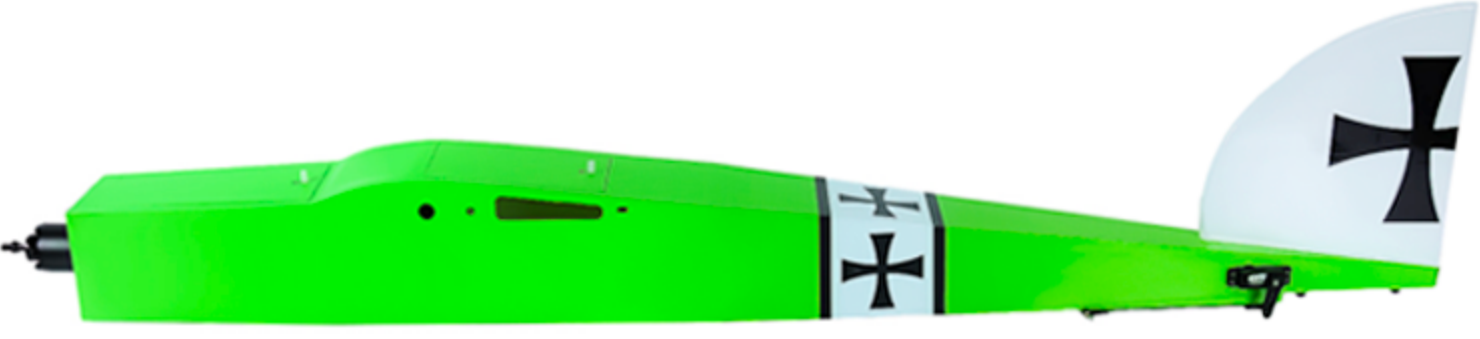

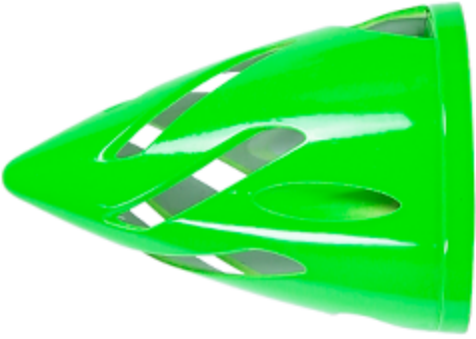










## Recommended Settings of Dual Rates and Exponentials of Control Surfaces

	Low rate	Low rate exp	High rate	High rate exp
Aileron	±25°	35%	±38°	40%
Elevator	±30°	35%	±36°	35%
Rudder	±30°	35%	±40°	40%



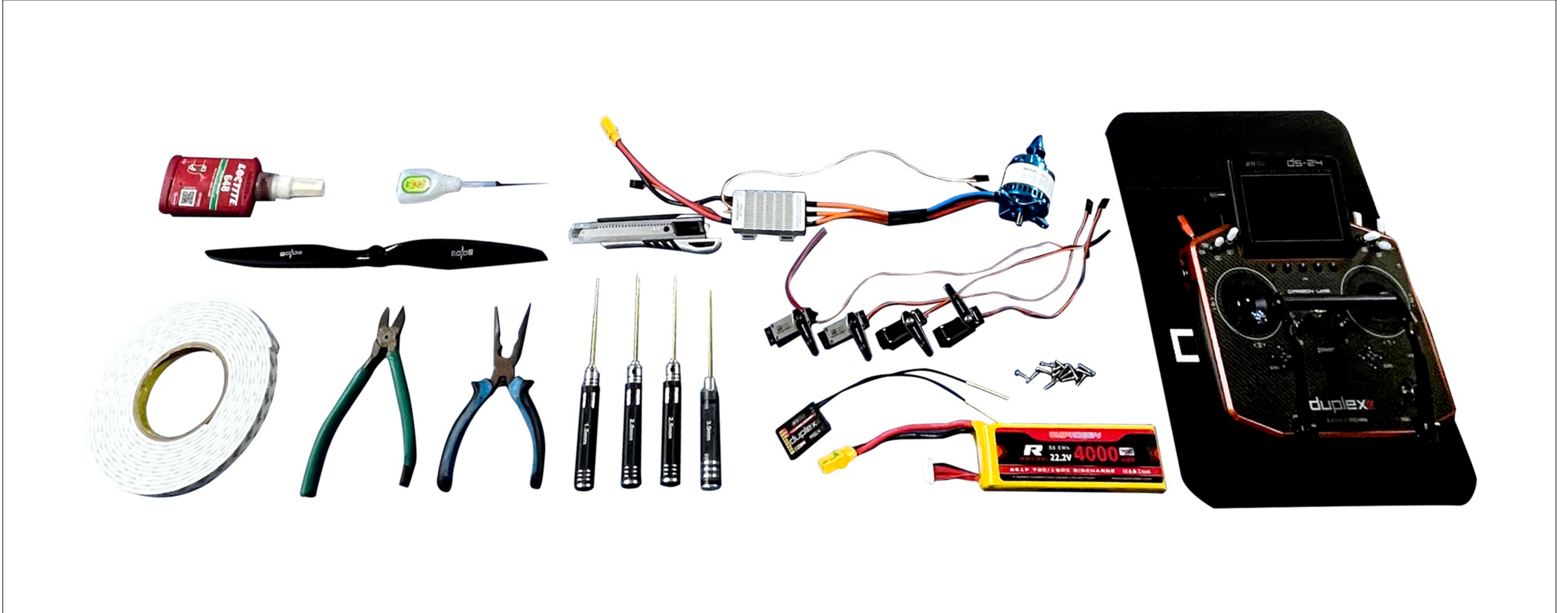
# Package contents (PNP version)

Fuselage	Left & Right Wings
	
Spinner	Rudder
	
Landing gear set	Tail wheel set
	
Wing Tube	Spinner
	
Front hatch	Extra hardware
	
Top cover	
	

This aircraft is constructed with detachable design,which can be quickly installed in 10 minutes and is so convenient to transport.



# Tools Needed



- Blue Painters Tape
- Denatured Alcohol & Paper Towels
- Blue Loctite
- Metric & Standard Allen Wrenches
- Hobby Knife & Fresh Blades
- 15 - 30 Minute Epoxy (or Gorilla Glue)
- Thin C/A
- Electric Drill with Assorted Small Bits
- Small Flat Head & Phillips Screwdrivers
- Sanding Block & Sandpaper
- Needle Nose Pliers
- Adjustable Wrench or Socket Set
- Measuring Tape & Ruler
- Fine-tip Sharpie Marker



# Main landing gear installation

## Required Tool and Fastener

- Hex Screwdriver 2.0mm
- Qty 3, M3x12 Hex Machine Screw
- Medium Strength Thread Locker

- ① Locate the landing gear. Using blue thread lock, install the landing gear on the fuselage using a Hex screwdriver and three M3x12 screws.  
Mount the landing gear so that they sweep toward the nose of the aircraft, as shown in the diagram.
- ② Place the landing gear cover over the landing gear as shown in the picture and secure with clear tape.



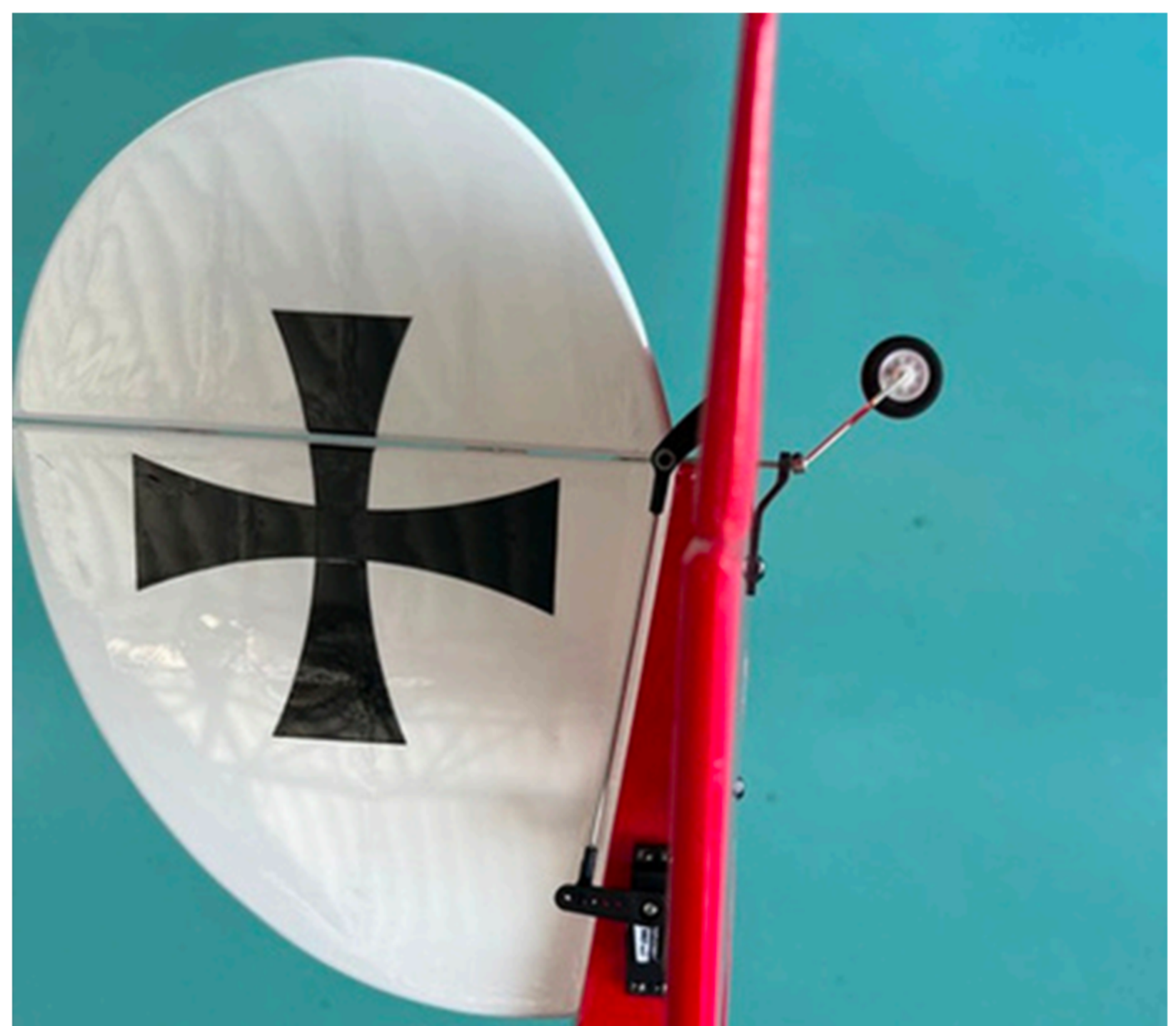
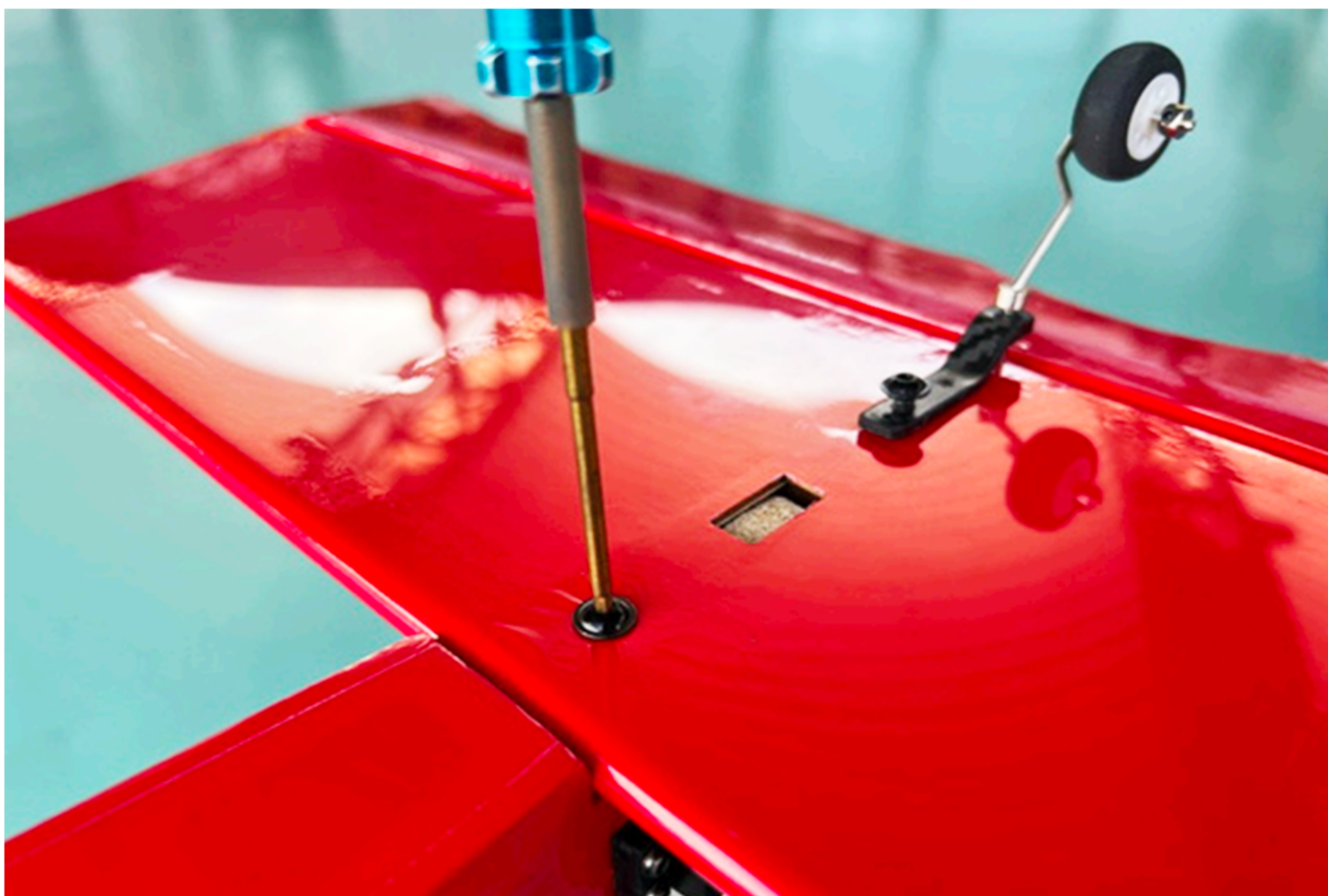


# Horizontal tail and Rudder Assembly

## Required Tool and Fastener

- Hex Screwdriver 2.5mm
- Qty 2, M4x16 Hex Machine Screw
- Medium Strength Thread Locker
- 2.0mm Collar
- CA glue

① Apply instant type CA to both sides of each hinge.



② Adjust linkage length approx 105 mm for Rudder and 140 mm for elevator.





# Transmitter Setup

**Make Sure to remove the propeller during flight control setup**

Wings/Tail Type : 2 Ailerons, 1 Elevator, 1 Rudder

## Ailerons:

### Hight Rate :

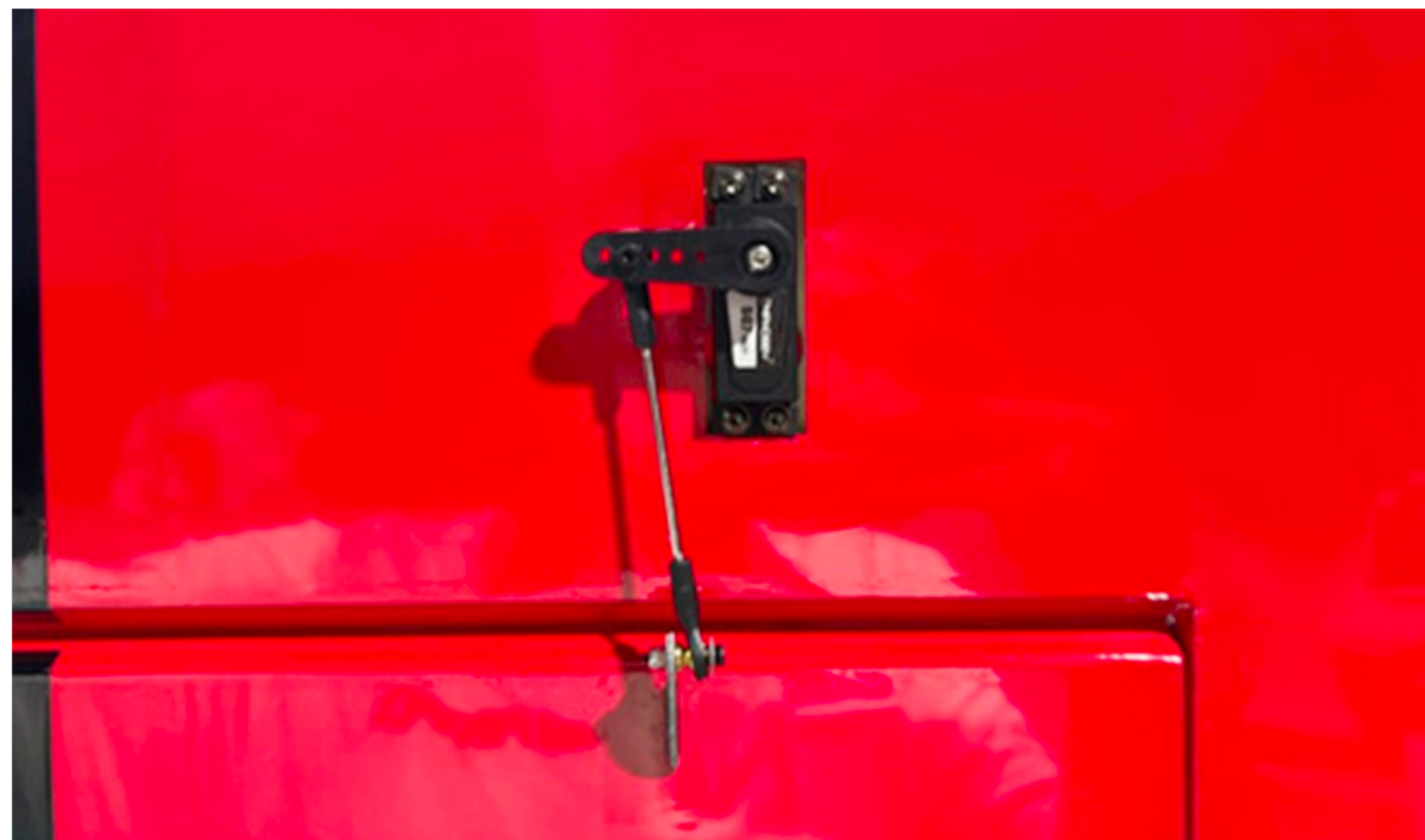
Up : 50 mm Exp 60%

Down : 50 mm Exp 60%

### Low Rate :

Up : 20 mm Exp 25%

Down : 20 mm Exp 25%



## Elevator:

### Hight Rate :

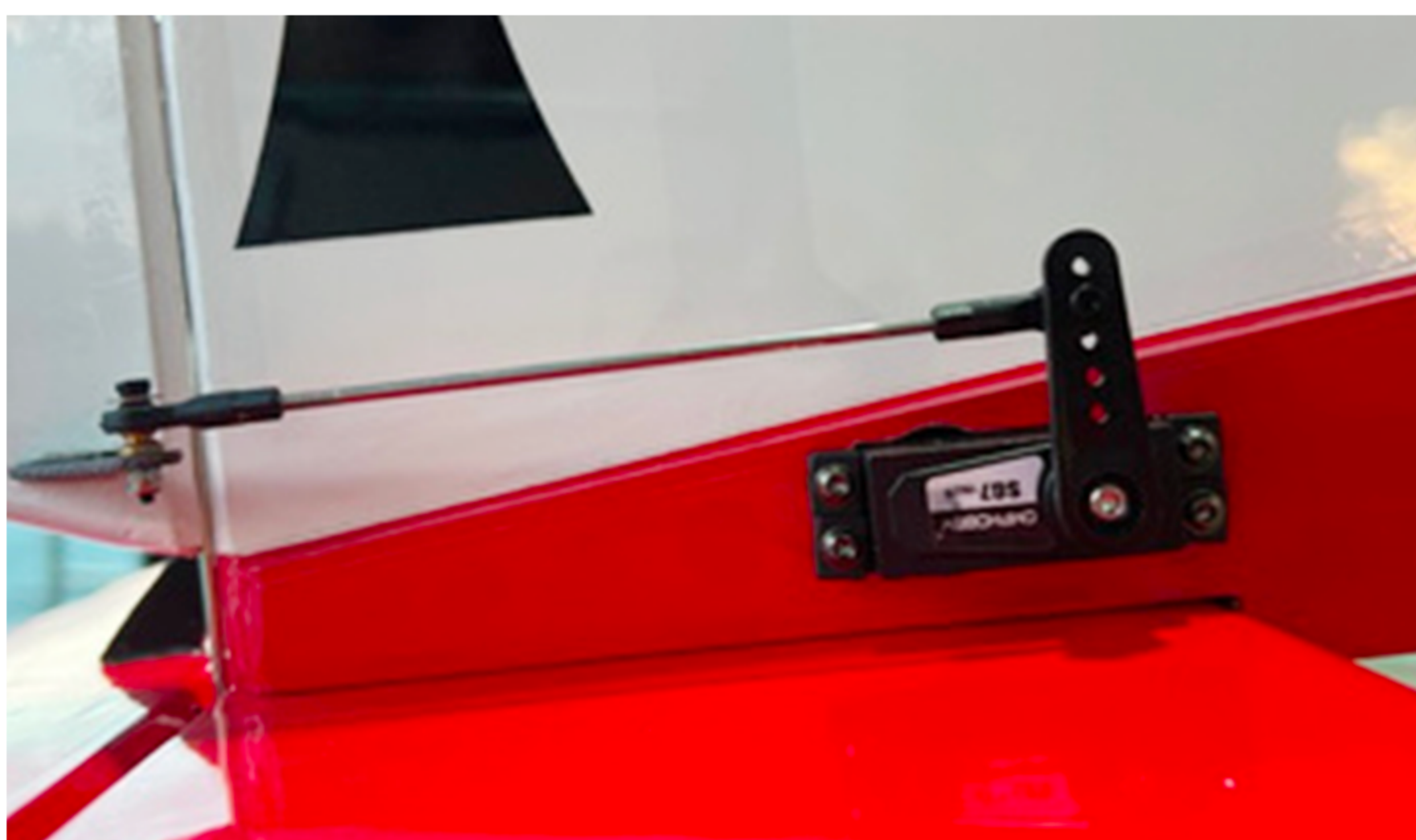
Up : 40 mm Exp 37%

Down : 40 mm Exp 37%

### Low Rate :

Up : 20 mm Exp 25%

Down : 20 mm Exp 25%



## Rudder:

### Hight Rate :

Up : 50 mm Exp 30%

Down : 50 mm Exp 30%

### Low Rate :

Up : 30 mm Exp 20%

Down : 30 mm Exp 20%

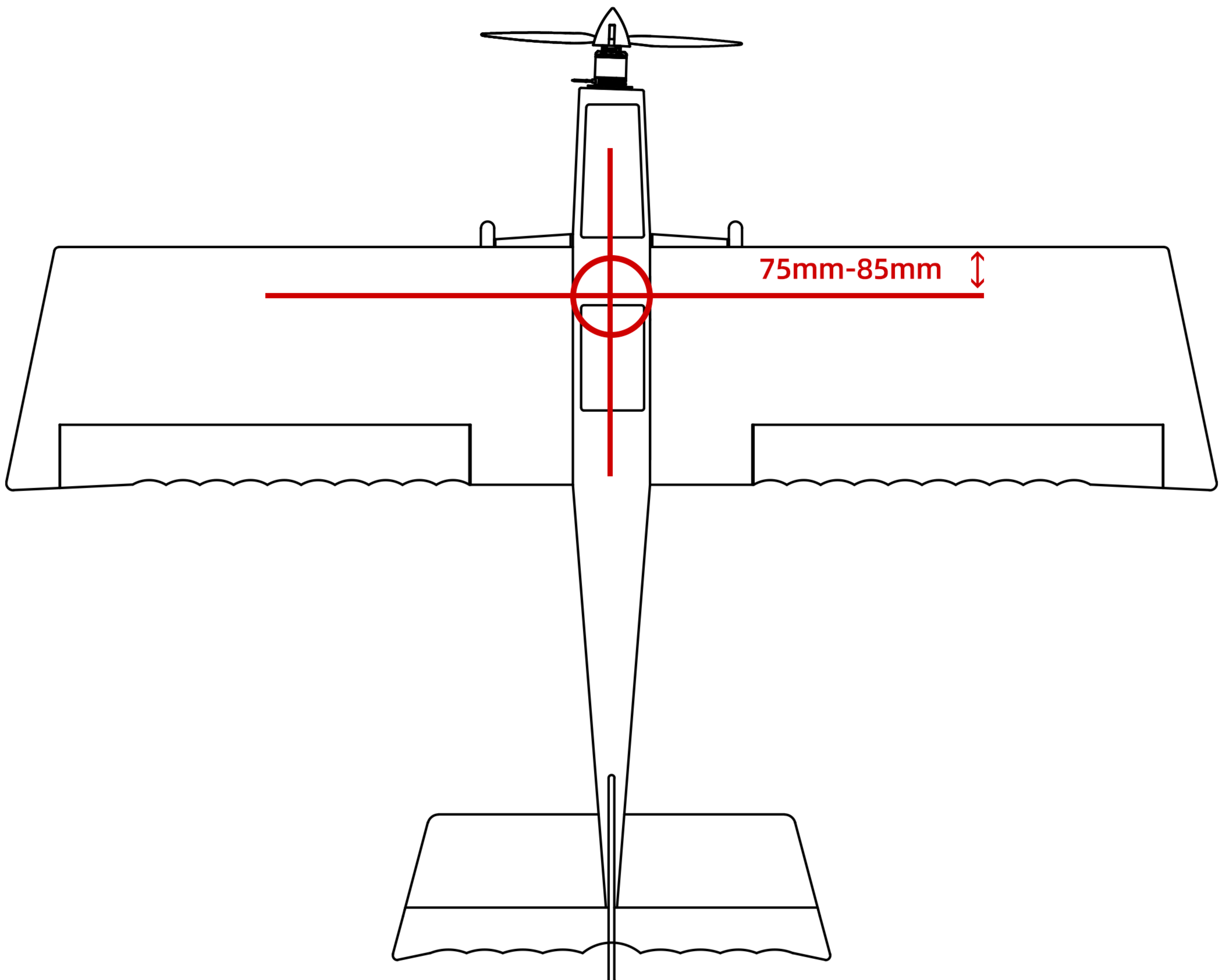


# CG Setting

**Correct center of gravity is very essential for a successful flight.  
Please refer the below diagram to adjust the CG of the plane.**

Adjust the CG by moving the battery forwards or backwards.

If necessary add ballast weight to achieve the correct CG position before flight approx 75mm - 85mm from the leading edge.





# Battery Installation

- ① Before connecting the battery to the plane, ensure the throttle low position
- ② Remove the battery hatch
- ③ If necessary reposition battery to adjust the center of gravity (CG) by moving the battery forward or backward

**Battery recommend 6S 4000mah - 5500mah (4 - 8 minutes flight time)**



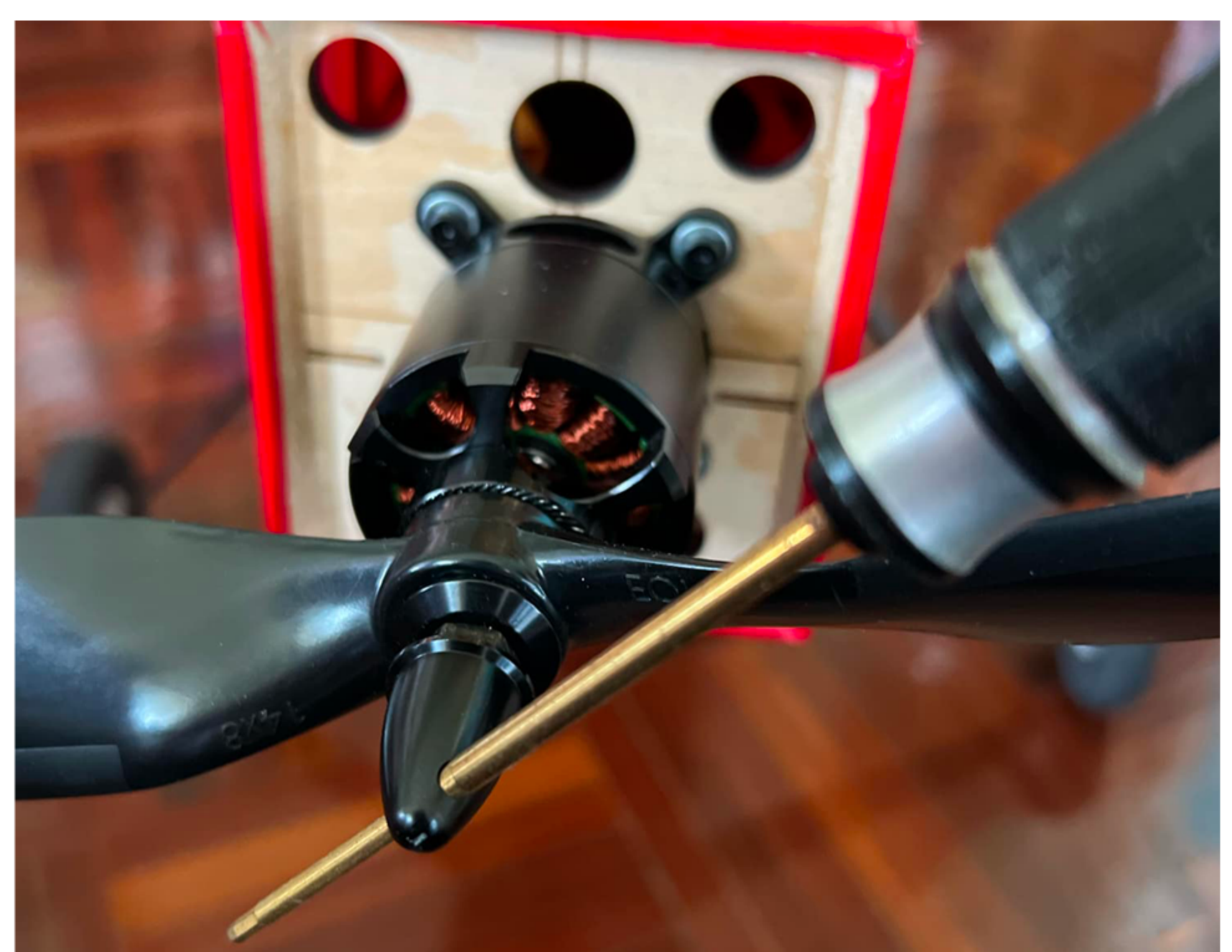
# Prop adapter, propeller and spinner installation

## Required Tool and Fastener

- Hex Screwdriver 2.5mm
- Blue Thread Locker
- Adjustable Wrench
- Prop washer
- M3x9 Hex head Screw
- Propeller nut

**Note: It is important to check the rear motor shaft collar and set screw for thread lock before first flights. If no thread lock is found, remove the set screw, add blue thread lock, and re-secure. It is always a good idea to check all hardware connections every few flights to ensure they stay tight.**

- ① Locate the bolt-on prop adapter for the motor. Apply blue thread lock to each of the three M3x9 hex head machine screws, and secure the prop adapter to the motor. Make sure that the propeller adapter seats fully against the motor face, and is concentric with the motor shaft.
- ② Install the propeller with the convex surface facing forward. The propeller logo (EOLO) and size numbers are printed on the front face of the prop and should orient forward.
- ③ Slide the prop washer on the shaft with the widest face aft, and tighten the prop nut and spinner.







**For customer support in the USA, please  
contact Ohio Model Products in Ohio.**

Tel: +1-614-733-9488 (9am -5pm, ET)

Email: [support@omphobby.com](mailto:support@omphobby.com)

Website: [www.OhioModelProducts.com](http://www.OhioModelProducts.com)

**For customer support outside of the USA,  
please contact OMPHobby in China.**

Email: [store@omphobby.net](mailto:store@omphobby.net)

Website: [www.omphobby.com](http://www.omphobby.com)

## Disclaimer and Safety

- This product is not a toy. It is not recommended for children under age 14.
- Fly the airplane by abiding by local laws and rules.
- Fly the airplane in a designated location, and always maintain visual contact of the aircraft.
- Avoid flying directly over unprotected people, moving vehicles, and occupied structures.
- Read the safe code of AMA before flight. The guideline can be downloaded from the following link:  
<https://www.modelaircraft.org/sites/default/files/documents/100.pdf>