

HSDJETS®

1250mm HB-25 ASSEMBLY GUIDE

V2.0



Product S/N:

Want to learn more about the product video, pictures, and other matters of attention Please log in: www.hsdr.com

NOTICE

Thank you for purchasing from HSD. Please read this manual carefully before operating this plane. We hope this manual is useful in guiding you through the installation and adjustment of the plane so that you may fly it successfully.

Each product from HSD has unique functions that users will need to fully grasp step by step, as the assembly will be completed by you. It is necessary to assemble and test the product strictly in accordance with the standards of HSD.

All rights reserved by HSD for the upgrade and/or reconfiguration of products.

Meaning of Special Language:

The following terms are used throughout the product literature to indicate various levels of potential harm when operating this product:

NOTICE: If procedures are not properly followed, the risk of physical property damage AND a possibility of serious injury are likely.

CAUTION: If procedures are not properly followed, the risk of physical property damage AND a possibility of serious injury are likely.

WARNING: If procedures are not properly followed, the risk of physical property damage AND a possibility of serious injury are likely.



WARNING: Read this instruction manual in its entirety to become thoroughly familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury.

This is a sophisticated hobby product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. Do not use with incompatible components or alter this product in any way outside of the instructions provided by HSD HOBBY LTD. This manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to correctly operate and/or avoid damage or serious injury.

14+

AGE RECOMMENDATION:

Not for children under 14 years. This is not a toy.

Safety Precautions and Warnings

B-25说明书.

As the user of this product, you are solely responsible for operating in a manner that does not endanger yourself and others nor result in damage to the product and property of others.

- Always keep a safe distance in all directions around your model to avoid collisions or injury. This model is controlled by a radio signal subject to interference from many sources outside your control; interference can cause momentary loss of control
- Always operate your model in open spaces away from full-size vehicles, traffic and people.
- Always carefully follow the directions and warnings for this and any optional support equipment (chargers, rechargeable battery packs, etc.).
- Always keep all chemicals, small parts and anything electrical out of the reach of children.
- Always avoid water exposure to all equipment not specifically designed and

- protected for this purpose. Moisture causes damage to electronics.
- Never place any portion of the model in your mouth as it could cause serious injury or even death.
- Never operate your model with low transmitter batteries.
- Always keep aircraft in sight and under control.
- Always use fully charged batteries.
- Always keep transmitter powered on while aircraft is powered.
- Always remove batteries before disassembly.
- Always keep moving parts clean.
- Always keep parts dry.
- Always let parts cool after use before touching.
- Always remove batteries after use.
- Always ensure failsafe is properly set before flying.
- Never operate aircraft with damaged wiring.
- Never touch moving parts.

Charging Warnings

CAUTION: All instructions and warnings must be followed exactly. Mishandling of Li-Po batteries can result in a fire, personal injury, and/or property damage.

- By handling, charging or using the included Li-Po battery, you assume all risks associated with lithium batteries.
- If at any time the battery begins to balloon or swell, discontinue use immediately. If charging or discharging, discontinue and disconnect. Continuing to use, charge or discharge a battery that is ballooning or swelling can result in fire.
- Always store the battery at room temperature in a dry area for best results.
- Always transport or temporarily store the battery in a temperature range of 40-120° F (5-49° C). Do not store battery or aircraft in a car or direct sunlight. If stored in a hot car, the battery can be damaged or even catch fire.
- Always charge batteries away from flammable materials.
- Always inspect the battery before charging and never charge dead or damaged batteries.
- Always disconnect the battery after charging, and let the charger cool between charges.
- Always consistently monitor the temperature of the battery pack while charging.
- **ONLY USE A CHARGER SPECIFICALLY DESIGNED TO CHARGE LI-PO BATTERIES.** Failure to charge the battery with a compatible charger may cause fire resulting in personal injury and/or property damage.
- Never discharge Li-Po cells to below 3V under load.
- Never cover warning labels with hook and loop strips.
- Never leave charging batteries unattended.
- Never charge battery outside recommended levels.
- Never attempt to dismantle or alter the charger.
- Never allow minors under the age of 14 to charge battery packs.
- Never charge batteries in extremely hot or cold places (recommended between 40-120° F or 5-49°C) or place in direct sunlight.




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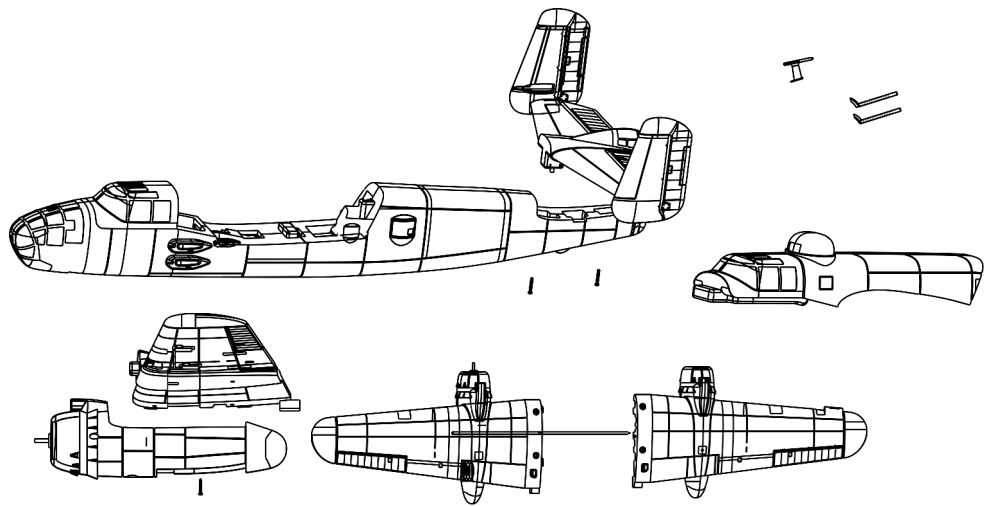
Introduction

You are about to fly one of the nicest scale foam airplanes ever built. Please make sure to read through the manual thoroughly before flying.






Box Contents

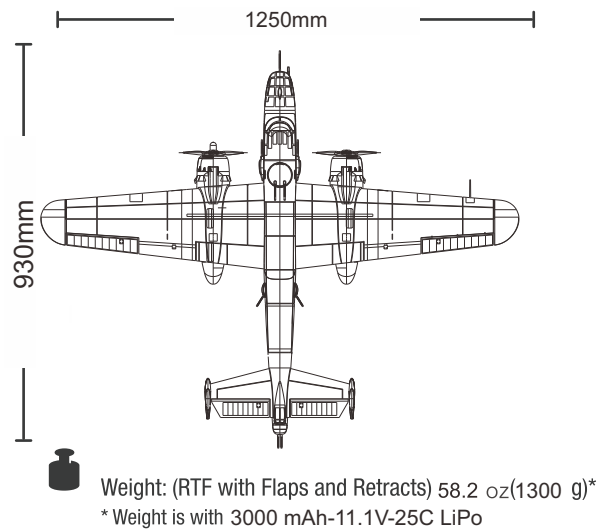
Included Screws and Fasteners		
	Size	Qty
	3*40mm	5
	3*18mm	2
	3*25mm	1

Spare fasteners may be included.

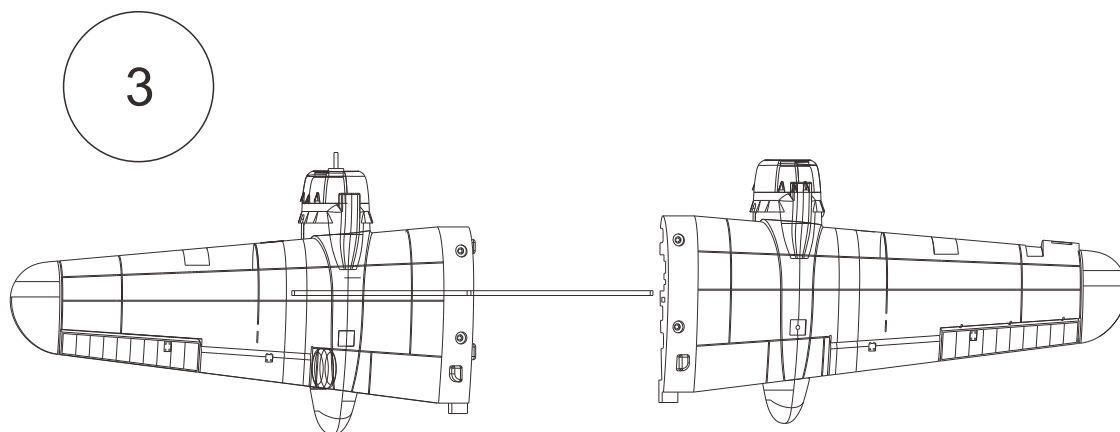
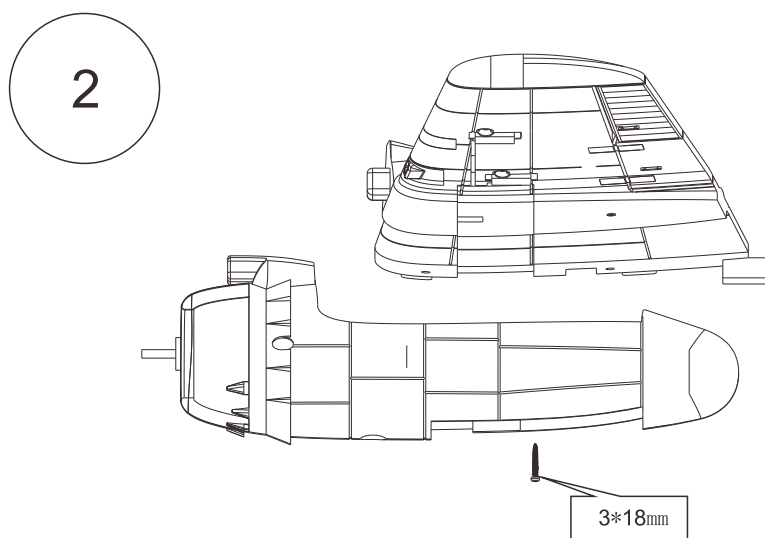
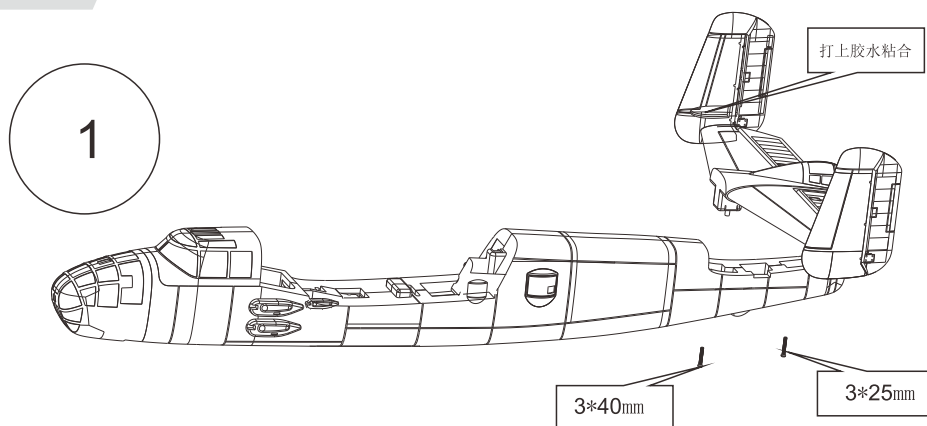


Specifications

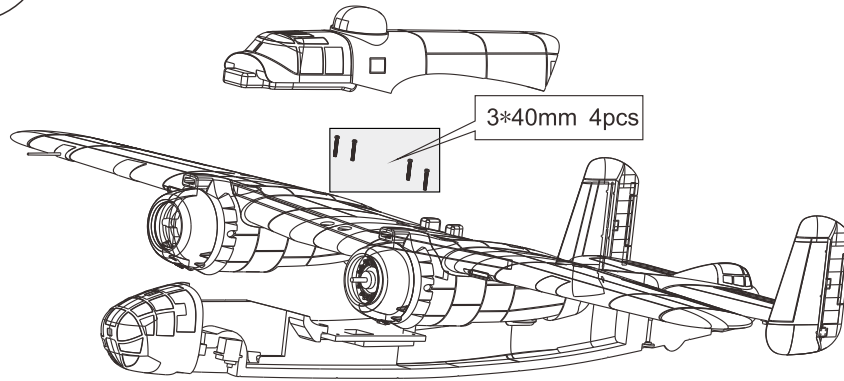
	Propeller:7x6
	Brushless Outrunner Motor, 2217-800KV*2pcs
	30A*2pcs Pro Brushless ESC (3S)
	Servos: (metal shell and digital servos) 9g*7pcs
	Battery: 3S-3300mAh 40C Li-Po
	Radio System: 2.4GHz 6CH Transmitter and Receiver
	Length: 1250mm Wingspan:930mm Weight:1300g



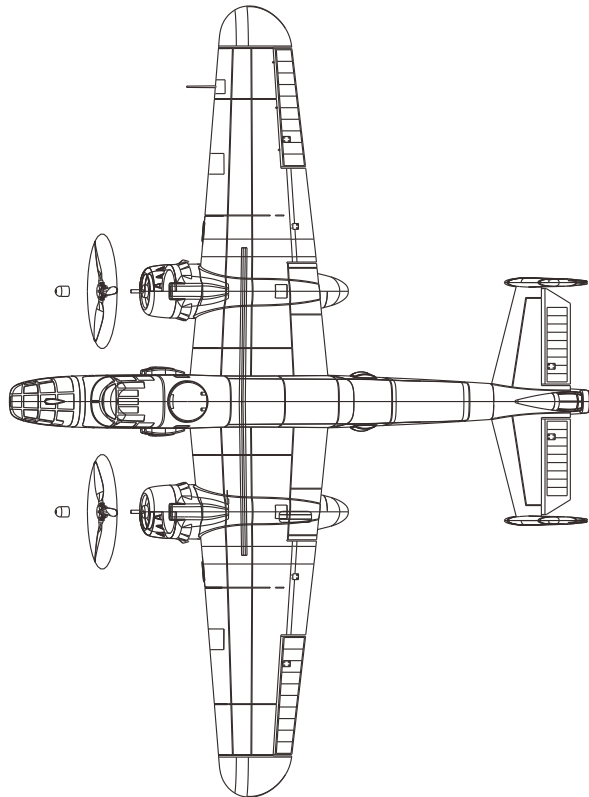
Installing the Plane



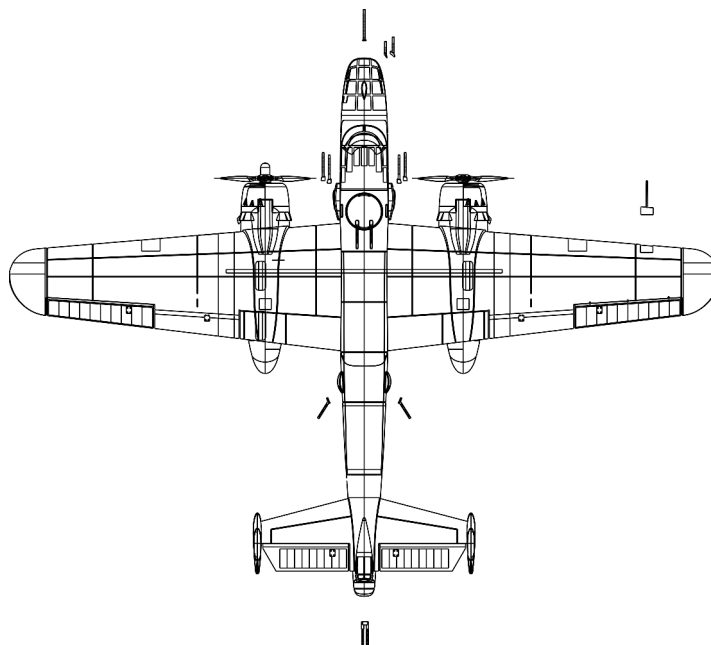
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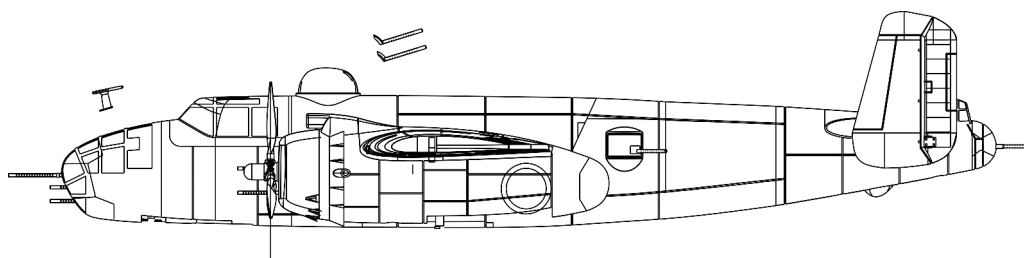
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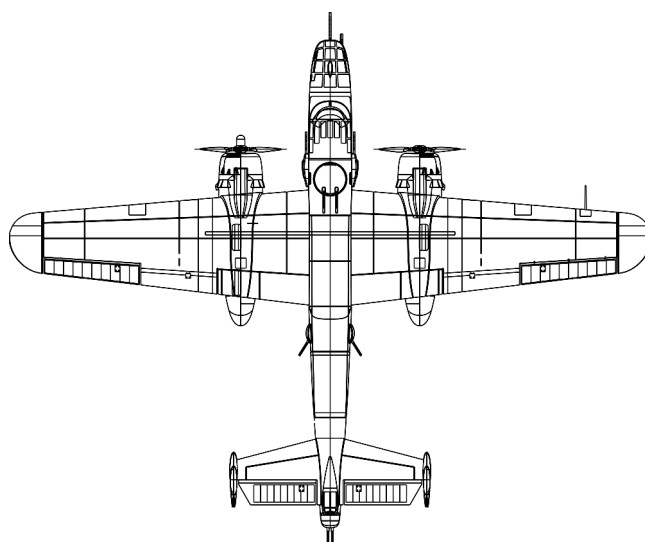
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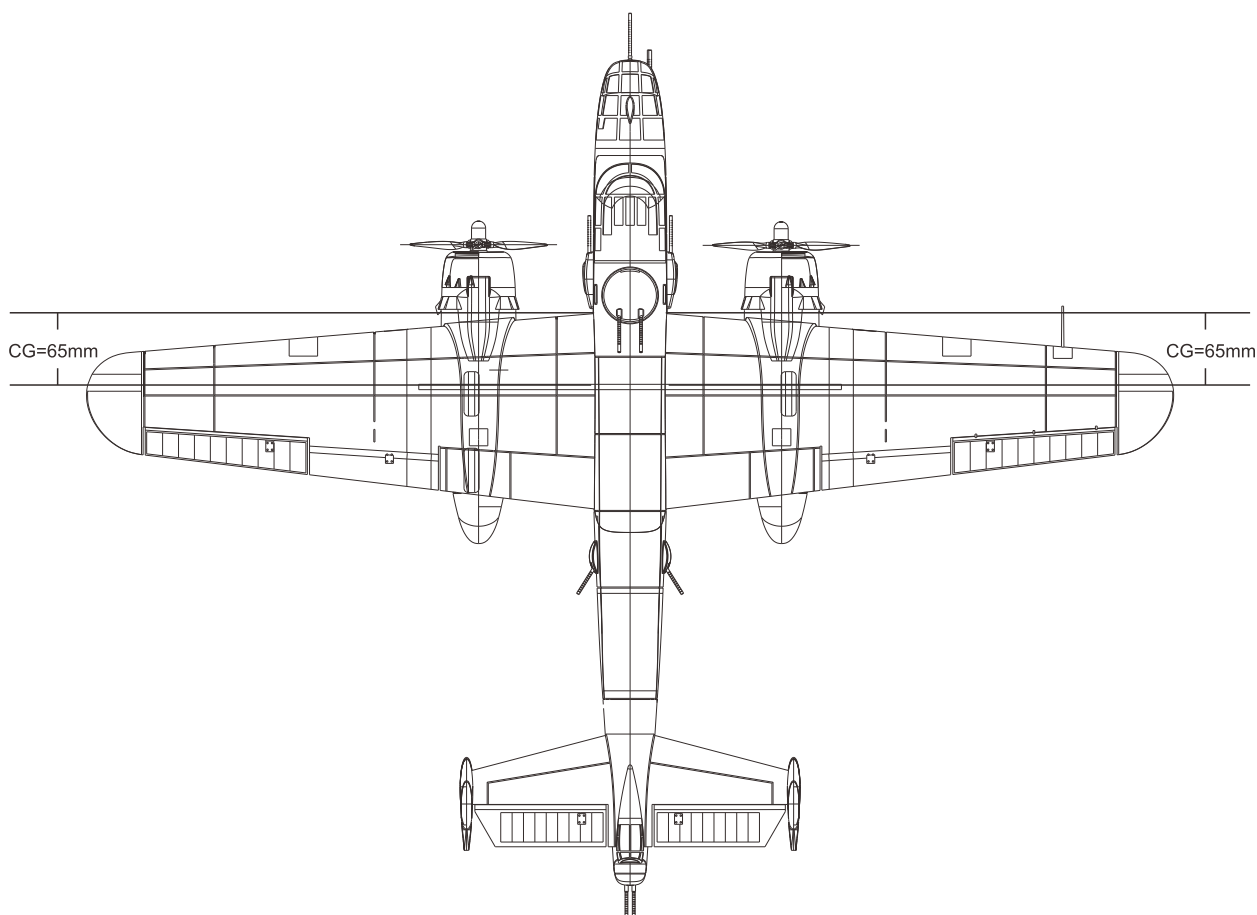
8



Center of Gravity (CG)

Place the battery all the way forward in the battery compartment and hold the battery in place using hook and loop straps. It is easiest to balance the aircraft with the aircraft inverted.

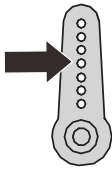
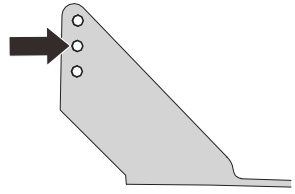
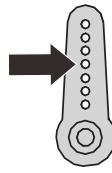
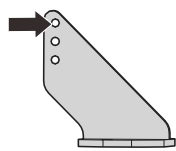
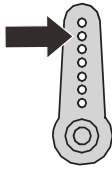
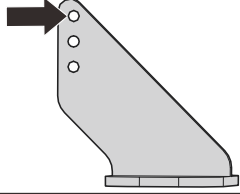
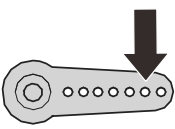
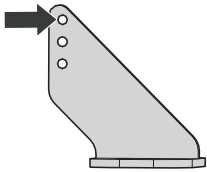
The CG is approximately 65mm from the leading edge of the wing



Control Horn and Servo Arm Settings

The table to the right shows the factory settings for the control horns and servo arms. Fly the aircraft at factory settings before making changes.

After flying you may choose to adjust the linkage positions for the desired control response. See the lower table.

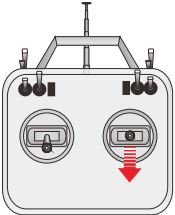
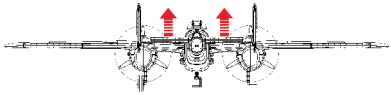
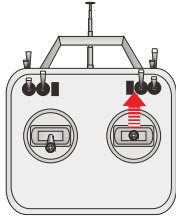
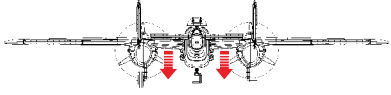
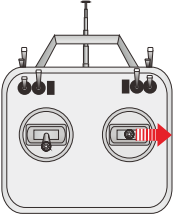
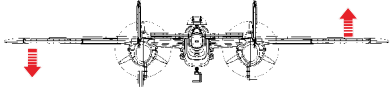
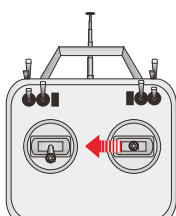
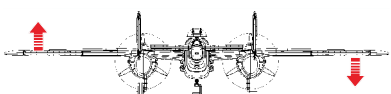
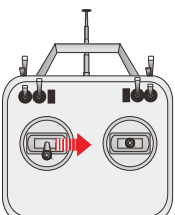
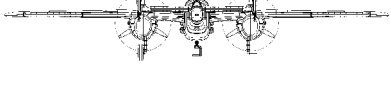
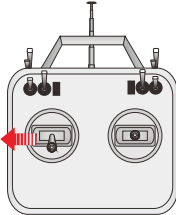
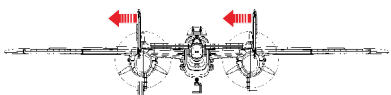
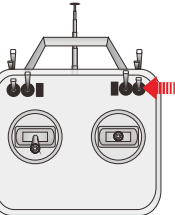
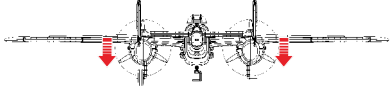
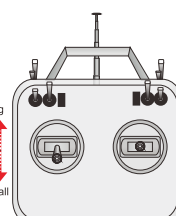
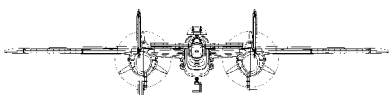
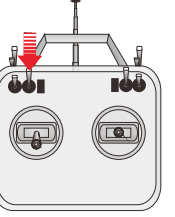
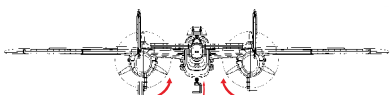
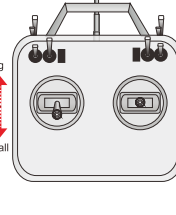
	Horns	Arms
Elevator		
Rudder	The Rudder The front wheel steering 	The Rudder 
Ailerons		
Flaps		

Control Direction Tests

Assemble the aircraft and bind your transmitter to the receiver before performing this test.

After binding a transmitter to the aircraft receiver, set the trims and sub-trims to 0, then adjust the clevises to center the control surfaces.

Move the controls on the transmitter to make sure the aircraft control surfaces move in the proper direction.

		Transmitter Command	Aircraft Reaction		
	Elevator	Up Elevator Command			
		Down Elevator Command			
	Aileron	Stick Right			
		Stick Left			
	Rudder	Stick Right			
		Stick Left			
	Flaps	Half			
		the Throttle			
		the Landing gear			

According to everyone's operating habit, the position of switch can be chosen on the premise of optional remote control switch.

According to everyone's operating habit, the position of switch can be chosen on the premise of optional remote control switch.

Big
Small

Clevis Installation

* Adjust the pushrod and clevis as necessary.

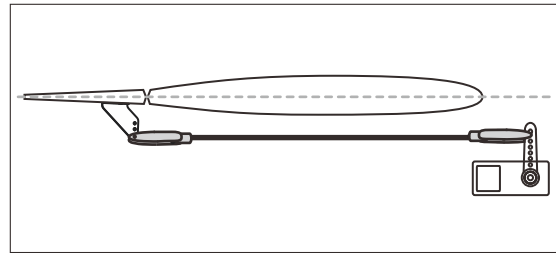
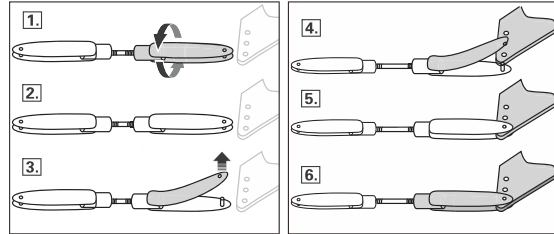
*Carefully adjust the clevis so that it creates a centered surface when attached to the control horn.

Control Surface Centering

After assembly and transmitter setup, verify that the control surfaces are centered. If the control surfaces are not centered, mechanically center the control surfaces by adjusting the linkages.

With the flaps switch in the up position, flaps should be adjusted so they are even with the ailerons and/or the root of the wing.

If adjustments are required, turn the ball buckle on the pushrod to change the length of the linkage between the servo arm and the control horn. After binding a transmitter to the aircraft receiver, set the trims and sub-trims to 0, then adjust the ball buckles as necessary to center the control surfaces.



Throttle Range Setting

(Throttle range should be reset whenever a new transmitter is being used)

Step 1: Switch on the transmitter and move the throttle stick to 100% (wide-open throttle).

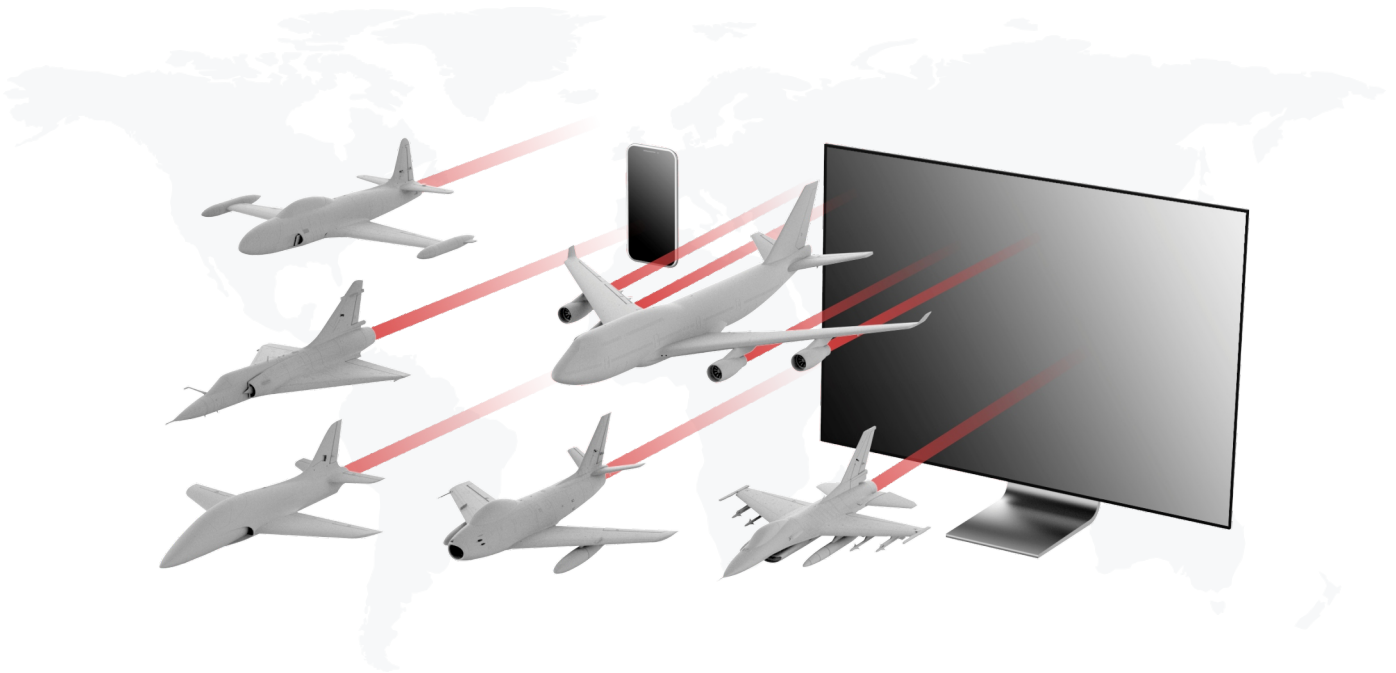
Step 2: Connect the battery pack to the ESC, and wait about 2 seconds.

Step 3: A 'beep-beep' tone will emit, this means the highest point in the throttle control range has been confirmed.

Step 4: After the 'beep-beep' tone is emitted, move the throttle stick back down to the lowest position (0%). You will hear a set of initialization beeps that register the number of cells in the battery.

Step 5: A final, long beep tone will be emitted meaning that the lowest point of the throttle range has been confirmed. This means the throttle control has been initialized properly and is ready for use.

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