

T1-S PNP Assembly Guide

Disclaimer

Please read the terms and conditions of this disclaimer carefully before use. Once using, you acknowledge and accept all contents of this disclaimer and its related terms. Please strictly adhere to the manual for the installation and operation of this product. The manufacturer and its affiliates shall not be held liable for any damages caused by improper use of the product by user.

When using the aircraft model, please strictly comply with local laws and regulations. Users shall bear all consequences arising from modifications, improper operation, or engagement in illegal activities.

Keep the aircraft model out of reach of children. Ensure it is flown away from crowds and hazardous objects. Do not operate the aircraft model under the influence of drunk, fatigue, or impaired mental state. The manufacturer shall not be held liable for any direct, indirect, or consequential damages or injuries resulting from any cause.

Military use is strictly prohibited.

In the event of any divergence between language versions, the Chinese version applies in China; the English version applies elsewhere.

Precautions

1. Before flying, ensure the surrounding environment is safe.
2. Always operate within sight.
3. For versions installed with flight controller, wait for the flight controller's green light on (indicating successful GPS positioning) before flying.
4. Before flying, perform checks on the control surfaces, verify radio commands, and calibrate the flight controller's stabilization system.
5. There is no battery level display during flight. Users should estimate battery level and return in time.
6. The products must be used by users aged 14 and above.



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Product List



Storage & Transportation Foam Case*1

- Fuselage*1
- Left wing*1
- Right wing *1
- Horizontal Tail *1
- Vertical Tail *1
- Tail boom *1
- Fuselage CF rod *1



- Accessories bag *1
- Propeller bag *1
- Battery mounting plate *1

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Aircraft Assembly



Servo Horn, Linkage Rod and Horn Chuck Assembly



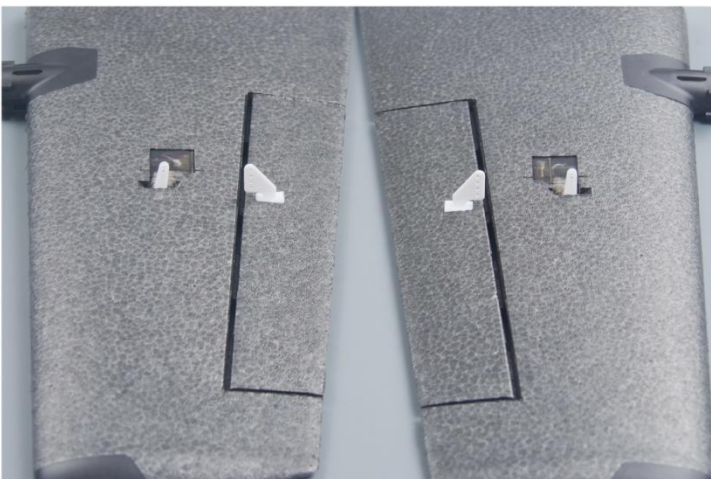
Install horn chuck onto wing.



Install it into wing hole.



On the reverse side, install the horn buckle and recommend to apply some glue to secure.



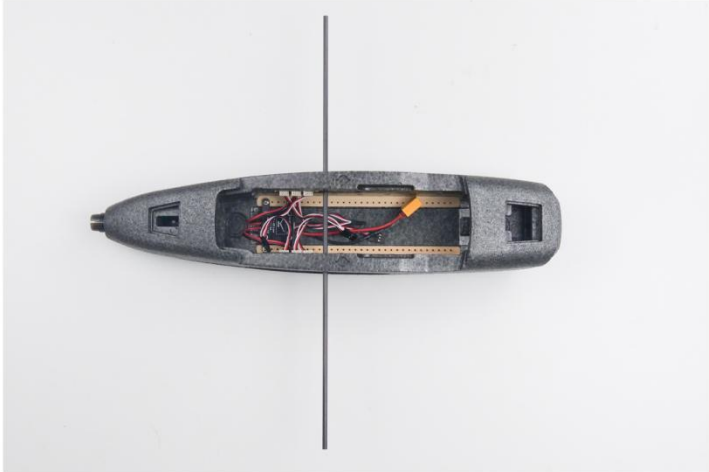
Both wings need to be installed.



Install the horn chuck onto Horizontal tail as same way as aileron.

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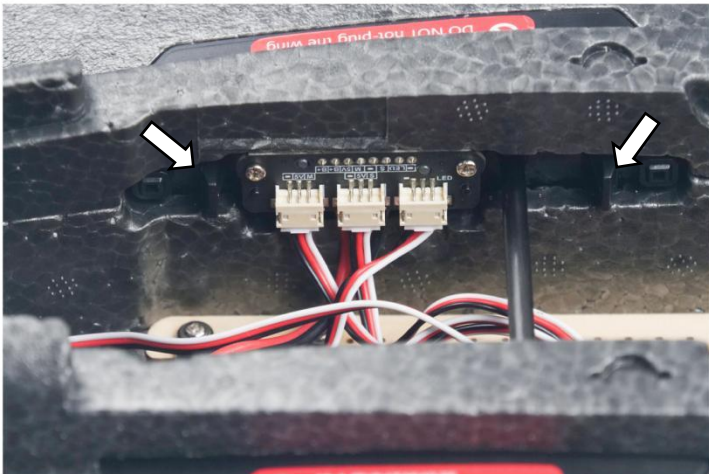
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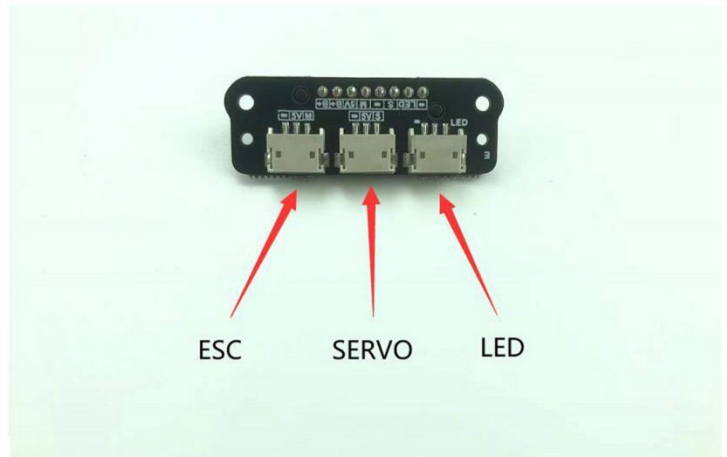
Insert carbon rod into the round role in fuselage



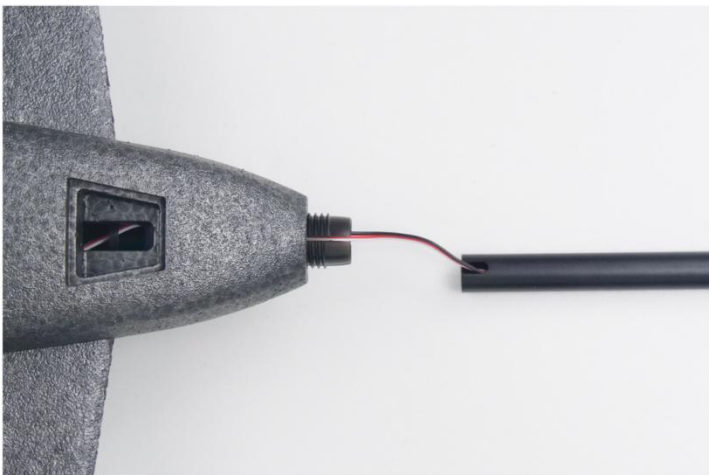
Insert wing into carbon rod to assembly it on fuselage, until it clicks into place. (Note: Don't assembly or disassembly wing while power on, otherwise the electronics may be damaged.)



Note: Make sure the buckle is properly snapped into place.



The above figure shows the definition of the quick-release interface.



Insert tail boom into fuselage. The tail boom cannot be rotated after being installed in place.



Lock the nut. The nut needs to be pushed in while rotating.

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Aircraft Assembly



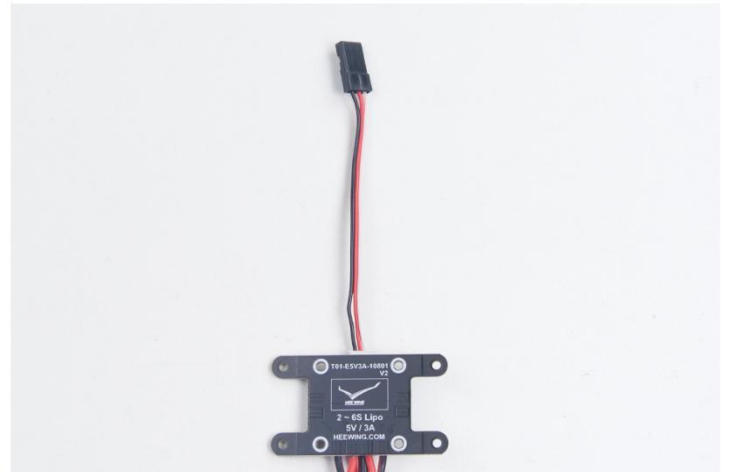
Install the horizontal tail.



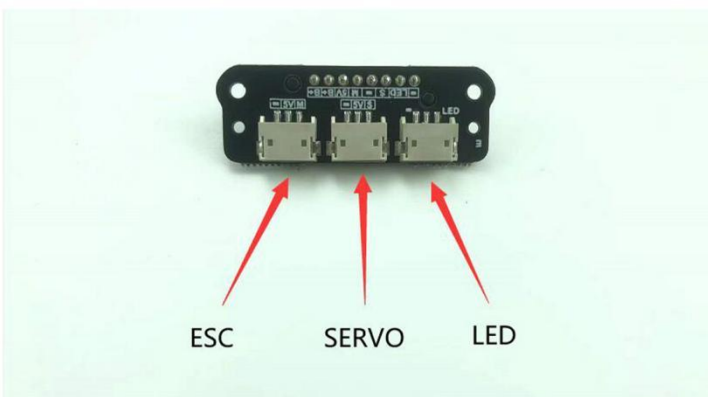
Ready to set up.



Radio, Receiver and Battery. (NOTE: T1 PNP does not includes radio, receiver and battery, which need to be provided by the user. The following demonstration uses a Mode 2 (Throttle on left stick) FUTABA radio as an example.)



This wire of the distribution board outputs 5V.



According to the interface definition and the connection of the receiver, pay attention to the positive and negative poles.



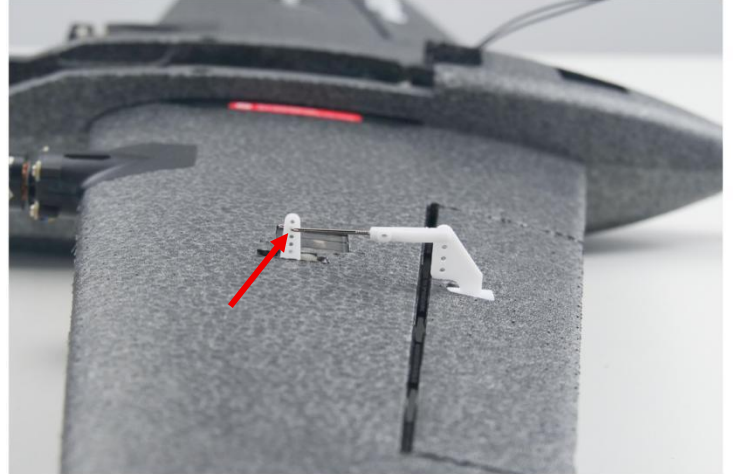
After connecting the receiver, power on the aircraft and ensure that the remote control is connected to the aircraft. (Note: Make sure that the signals of the aileron and elevator of the remote control are in the position middle..)

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Aircraft Assembly



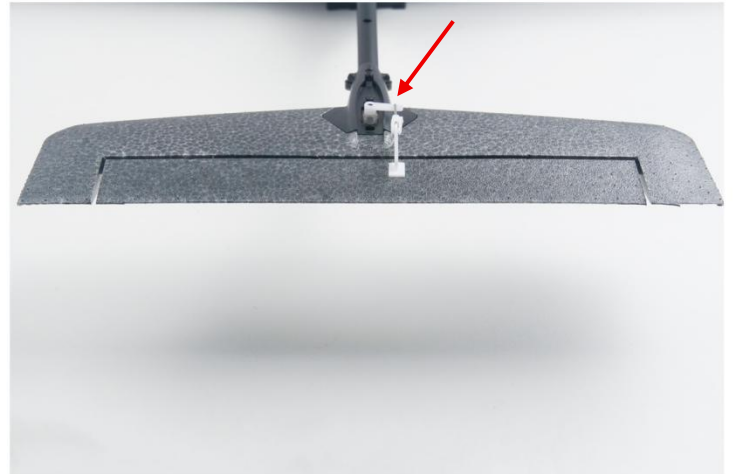
Thread linkage rod into servo horn, adjusting to a total length around 46mm.



Install link rod and servo horns, recommend link to the second hole of servo arm, tight the chuck.



The servo horns on both ailerons must be installed. After installation, ensure the control surfaces are flush with the wing.



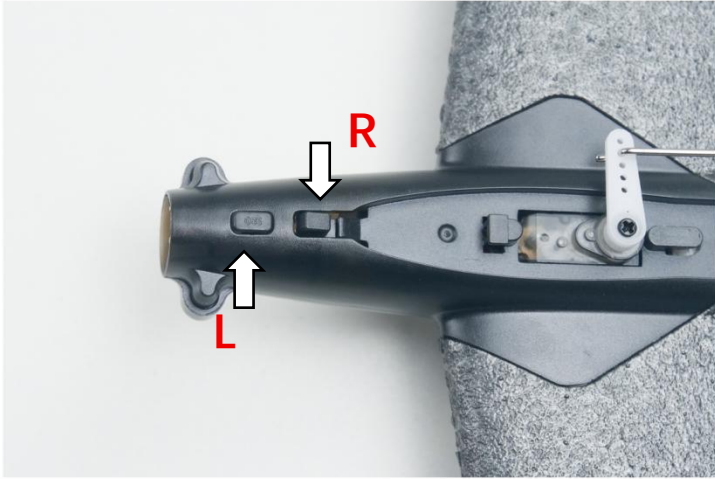
Use the same method to install the linkage and horns on horizontal tail. Recommend link to the second hole of servo arm



Servo horn and horn linkage installation completed

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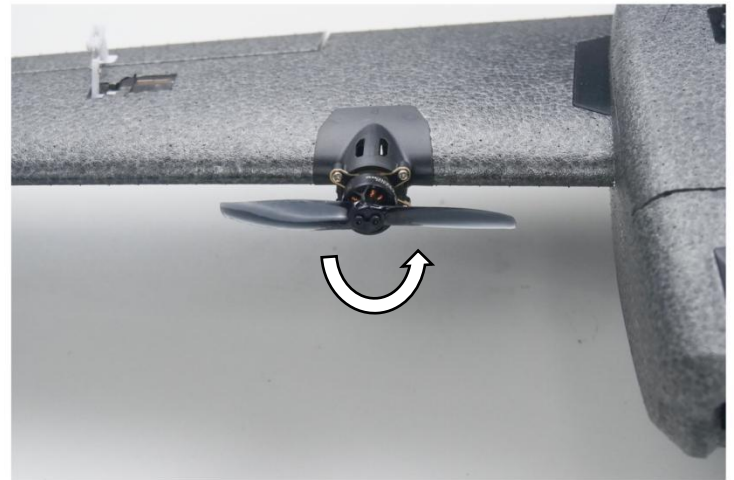
The left button is the tail boom button.
The right button is the vertical tail button.



Note: When installing, install the vertical tail first and then connect the tail boom. When disassembling, remove the tail boom first and then remove the vertical tail. (There are detailed illustrations on [P.8](#))



Install the propellers, ensuring the side with the lettering faces upward.



Install the propellers, ensuring the side with the lettering faces upward.

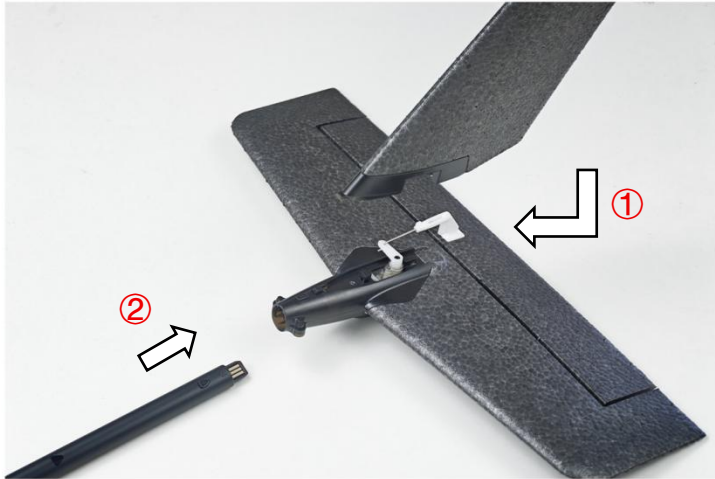
Note: the allocation of the propeller's rotation direction. The propellers should be installed according to the direction of the motor.



Aircraft Assembly is completed.

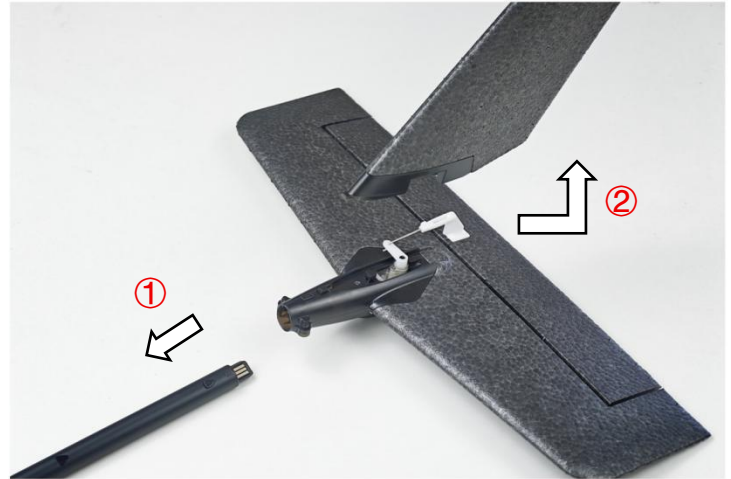
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Aircraft Assembly (Supplementary instructions for quick-release of the tail)



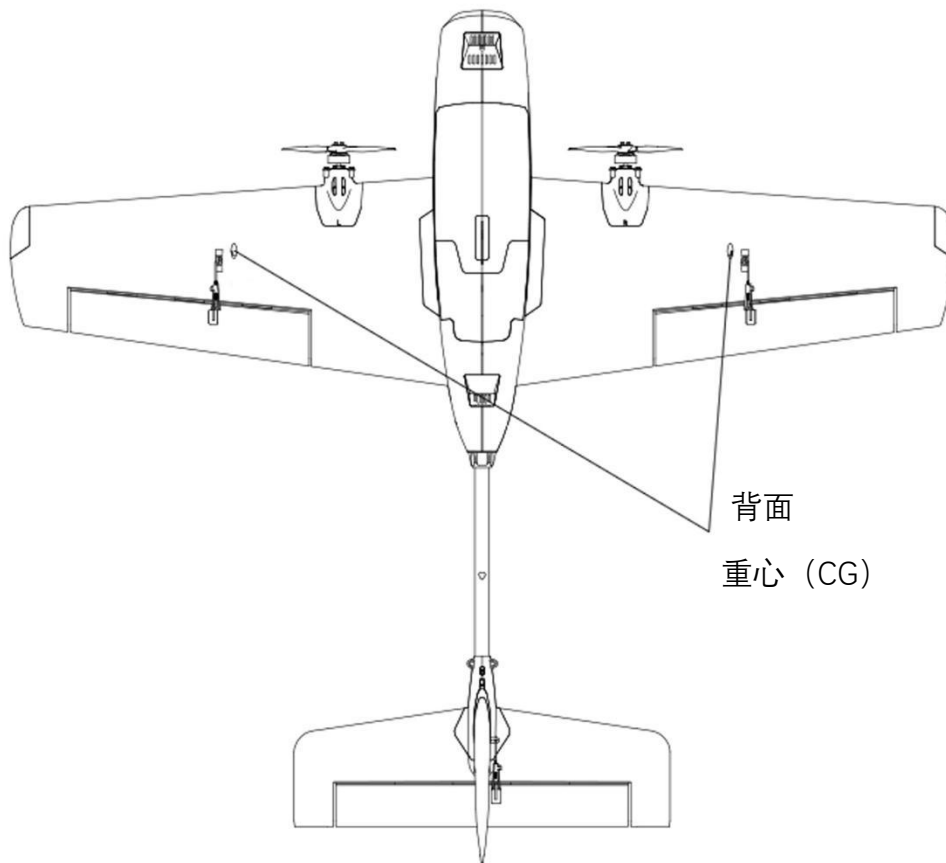
When installing:

- ① First install the vertical tail
- ② Then connect the tail boom



When disassembling:

- ① First remove the tail boom
- ② Then remove the vertical tail



The position of the aircraft's center of gravity is at the bulge below the wing. Adjust the battery position to balance the CG.

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Precautions

Warning: Before operating, adjusting, and flying this model, please carefully read this instruction and follow all the precautions, limitations, and suggestions in the instruction for installation. Incorrect use of this product may cause property damage, serious injury, or even death.

Attention! When operating the product pay always attention to your own safety, the safety of others, and the safety of the surrounding environment. The manufacturer and the dealer are not responsible for any accidents caused by abnormal wear and tear of parts or improper assembly by the user. This product is intended for adults with experience in operating RC fixed - wing models or those under the guidance of a person with considerable skills to fly at a legally permitted local remote - controlled flying field to ensure safe operation. After the product is sold, the company will not be responsible for any performance and safety issues in operation and use control.

Important reminder

- The age requirement for using this product is over 14 years old or adults.
- Model airplanes must be flown at designated locations permitted by regulations. They cannot be flown in thunderstorms, strong winds, heavy snow, or other adverse flying conditions.
- When flying at the airfield, garbage generated after flying should be properly disposed of. Do not discard it at will, or burn the model and other accessories.
- In any environment, the throttle stick must be in the starting position and the transmitter must be turned on before power on the model airplane.
- Whether the model airplane is in normal flight or slowly landing, do not try to catch it by hand. You must wait until the model has landed and come to a complete stop before retrieving it.
- Foam model airplanes should not be exposed to direct sunlight. Exposure to sunlight may cause the foam to blister and the airframe to deform.

Pre-flight preparations and instructions

Pre-flight checks (including but not limited to): Quick-release components are properly installed; Rod/linkage interfaces/connection are not loose; All cable wiring is not loose or reversed; Propellers are not loose or reversed; Check the battery power of the remote controller and the aircraft, etc. After confirming that the aircraft is in a flyable condition without any faults before flight to avoid unnecessary losses.

