



Keyi-UAV Sbach 342 PP Board Trainer

Wing Span: 1000mm (39.4in)

Length: 950mm (37.4in)

Flying Weight: Approx. 620g

Suggested Configuration

Motor: E400 (2212 1250KV or 1400KV)

Battery: 1300mAh-2200mAh 3S

ESC: At least 30A

Servos: 4 micro servos, such as Towerpro MG90s

Prop: 8 x 6 electric prop

Radio: At least 4CH

Parts of the Airplane and Accessories



Assembling the Airplane

Locate the two wing servo openings and wing tube openings on the side of the fuselage.



Secure a micro servo in one of the wing servo openings using CA glue. There are two wing servos, one on either side of the fuselage.



Locate the two carbon fiber tubes in the accessories bag and secure them in the wing.



Slide the wing tube through the fuselage.



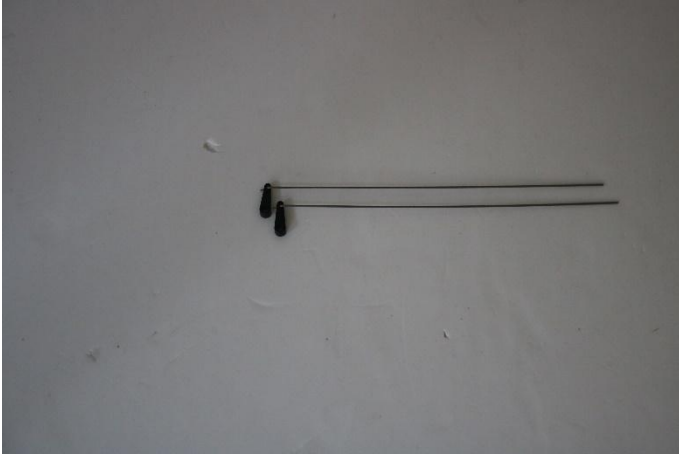
Test fit the wing tube openings on the other wing, then secure the wing using CA glue.



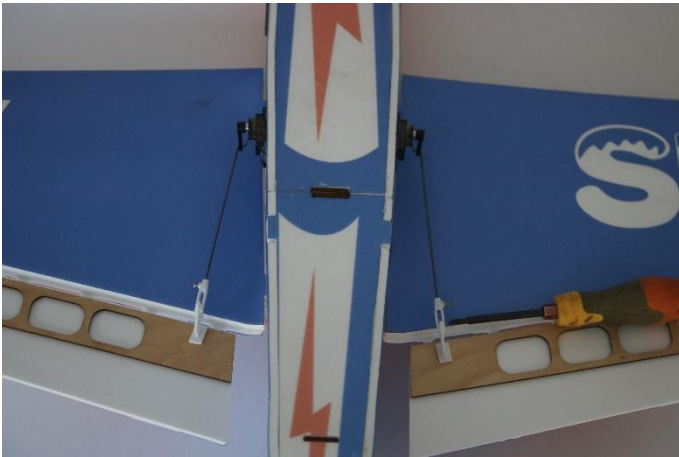
Install the aileron control horns on the aileron.



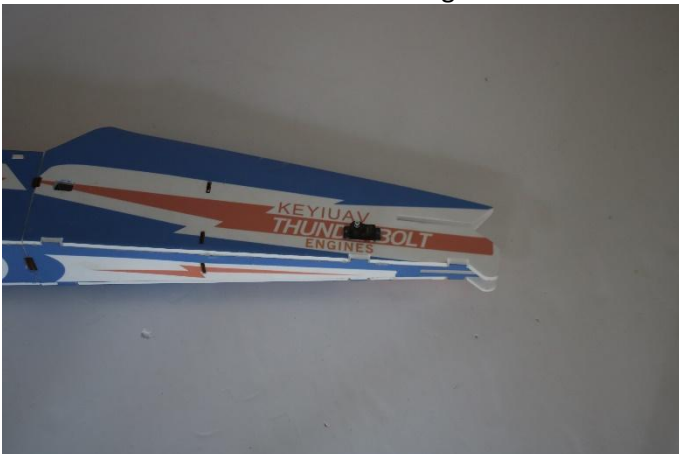
Find the two z-bend pushrods in the accessories bag and assemble them with servo arms.



Install the servo arms on the servo and then connect the pushrod with the aileron horns.



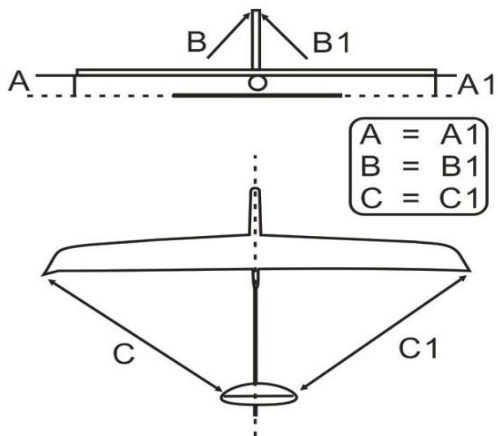
Install the rudder servo on the fuselage. Then do the same for the elevator servo.



Test fit the rudder and elevator onto the fuselage. Don't glue them until you have finished the alignment of the whole tail.



Make sure the elevator and rudder are properly aligned.



Install the elevator control horns.



Install the z-bend pushrod on the elevator servo arm, then connect it to the elevator control horns.



Install the rudder pushrod the same way.



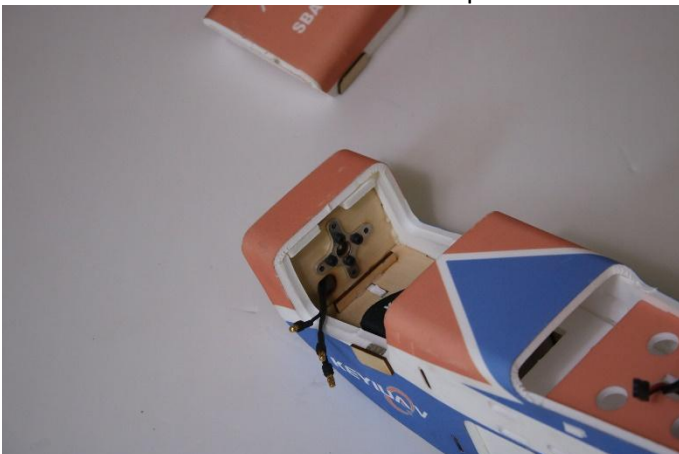
Locate the landing gear from the accessory pack and install it on the airplane.



Install the tail wheel.



Install the motor on the front of the airplane.



Install the ESC and battery inside the fuselage hatch, and install the prop.



Suggested CG

For the first flights, the suggested center of gravity location is **83mm (3-1/4in)** behind the leading edge of the wing at the wing root. Use the battery pack, moving it forward or backward, to achieve the correct balance.

Suggested Control Throws

For beginners we suggest control throws of 30-50% on your programmable radio for the aileron, rudder and elevator.

For advanced users we suggest control throws of 60-80% on your programmable radio for the aileron, rudder and elevator.