

SPORT KING



USER MANUAL

TechOne Hobby

www.techonehobby.com

Features:

1. A strong movement, it's very suitable for beginner and medium customer
2. It can do 3D action in a short time except basic flying action
3. The action is very smooth from speed to glide
4. Resistance is very strong for all parts except the nose position
5. It's easy to maintenance for the right size
6. The installation is simple, you can build it within 30min

Product Specifications

Fuselage length: 885mm (35 in.)
Wingspan: 805mm (35 in.)
Flying Weight: 574g (with battery)
Motor: AS2212 KV1400
ESC: 30 Amp
Propeller: GWS 9050
Servo: 8g*4 micro servo
Radio : 4/more channel
Receiver: 4/more channel
Battery: 11.1V 800-1800mah lipo 25C

CG position:

70—80MM from the leading edge of the wing

Do not fly under the conditions as below

Wind strong enough to make the trees rustle
A street with many trees or street lamps
Close to high voltage electrical wires
High Population density areas

Cautions for flying

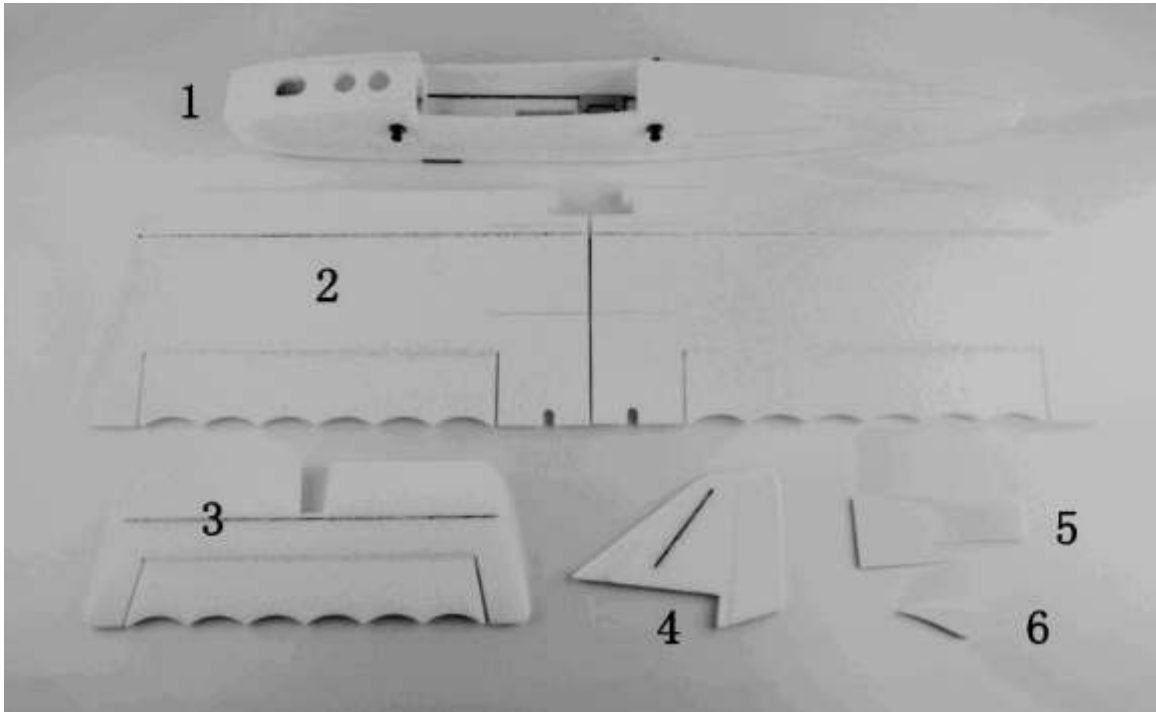
Large gyms, front lawns and parks make excellent flying areas. Make sure you have permission to fly and follow safety guidelines set by local authorities. The calmer the wind, the better!

Note for Storage

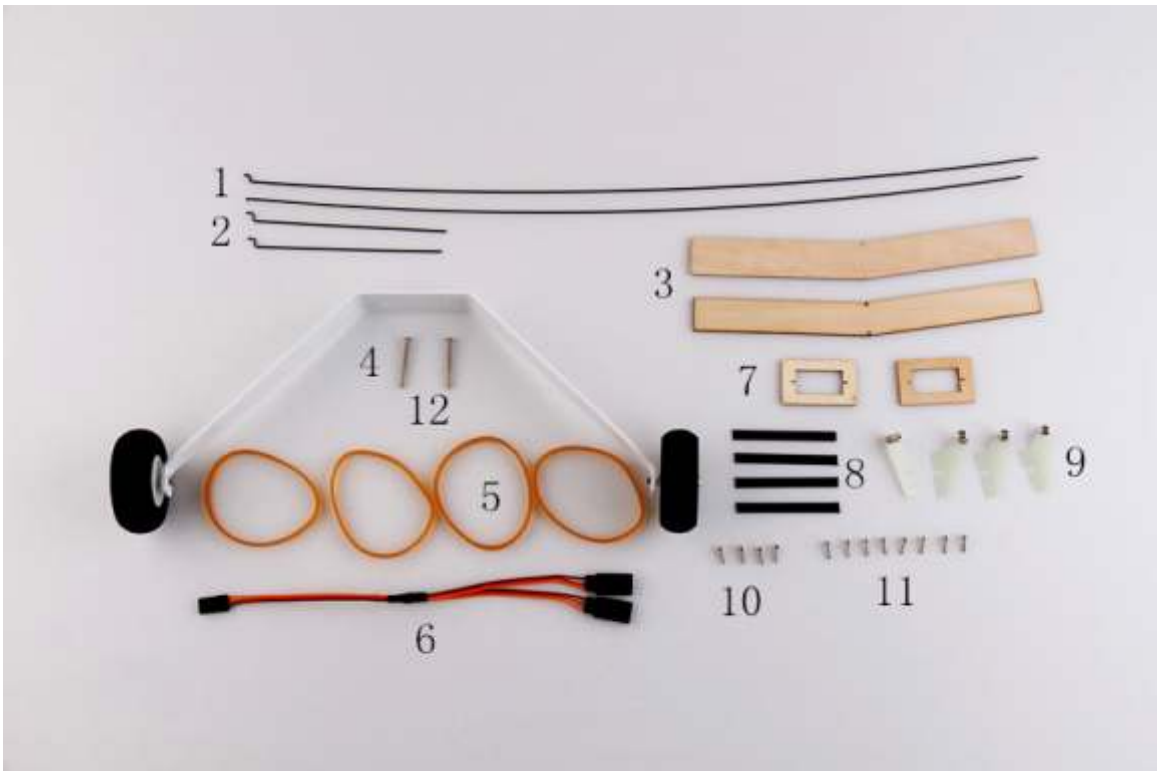
please disconnect the lipo packs when finished flying
Do not press or crush the airplane when storing
The best way to store is to hang the airplane to keep the control surface rigid



Parts included in the packing



1.Fuselage	1pc	4.Vertical tail	1pc
2.Wing	1pc	5.Horizontal Tail bond plate	1pc
3.Horizontal Tail	1pc	6.Skid	1pc



1.Pushrods	2pcs	7.Plywood servo reinforcement	2pcs
2.Pushrods	2pcs	8.Reinforcing carbon tube	4pcs
3.Wing connecting polywood	2pcs	9.Glass fiber control horns	4pcs
4.Landing gear	1pc	10.Motor mount screw	4pcs
5.Rubber band	4pcs	11.Servo fixing screw	8pcs
6.Y harness	1pc	12.Landing gear fixing screw	2pcs

The items below are required for assembly



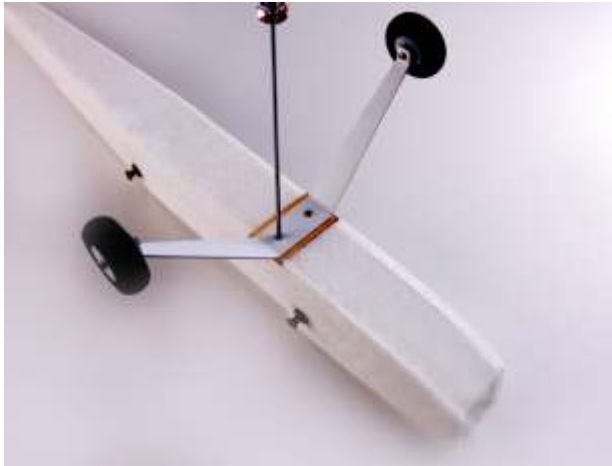
The assembly steps :



Fuselage,landing gear and the fixing screw.



Using the KT pallet to measure if the joints on right installation place



Connect landing gear and fuselage by screw.



Rudder.



Elevator



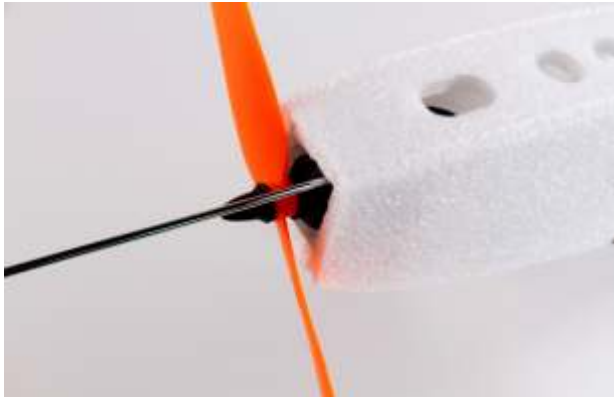
Put rudder tail on the end of fuselage, insert into the slots with glue, Make sure rudder and stabilizer is perpendicular to each other.



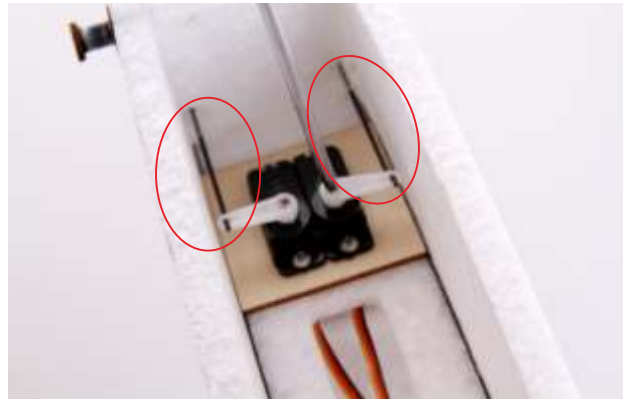
Put elevator tail on the end of fuselage, insert into the slots and fix the joints with glue.



Motor mount flow chart.



Fixing motor with screw



Connect the pushrod Z bend to servo arm, tightened and Fixed with screw.



Skid installation



Glass fiber control horn



8G Servo

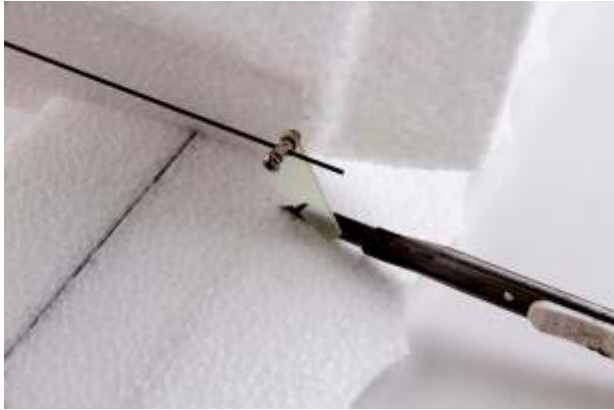


Fixing servo with screw





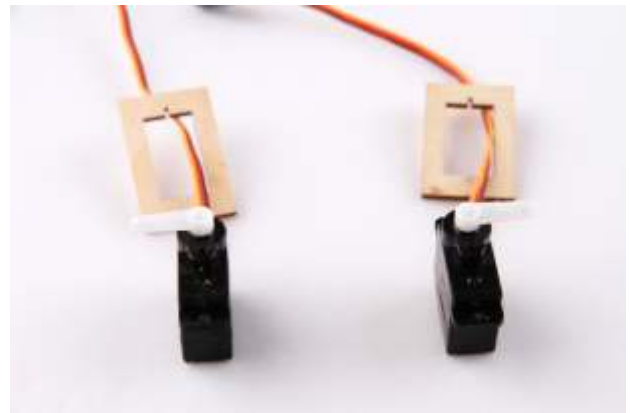
Horizontal tail and rudder installation flow chart.



Wing

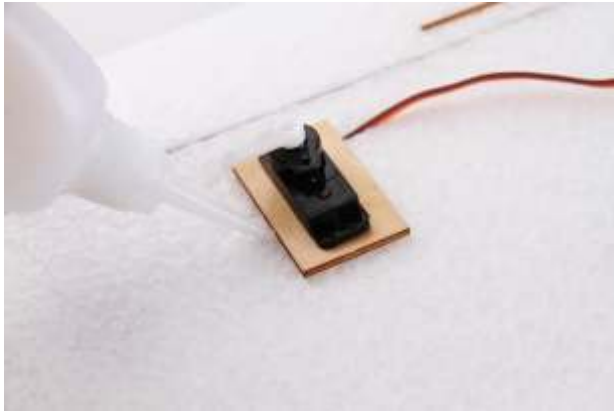


Cut the servo house by art knife



Servo cable cross the plate hole

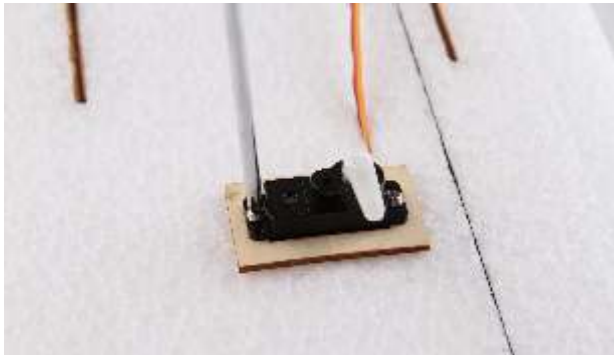
Connect the servo arm of rudder tail elevator to pushrods, find the corresponding place and cut the slot by art knife, put glass fiber control horn in the slot, drop glue and tighten with screwdriver.



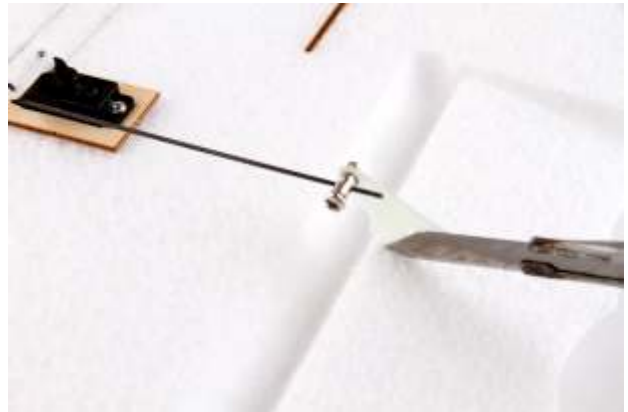
Put servo and plate into aileron house, glue plate on the foam slot.



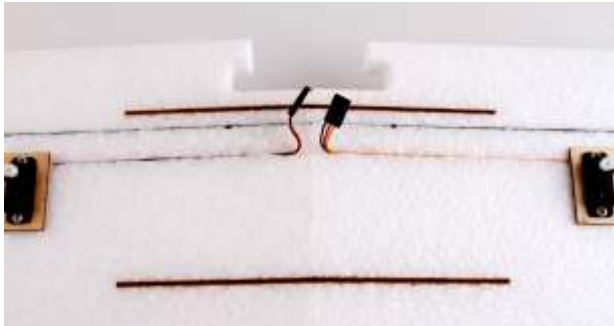
Glass fiber servo arm.



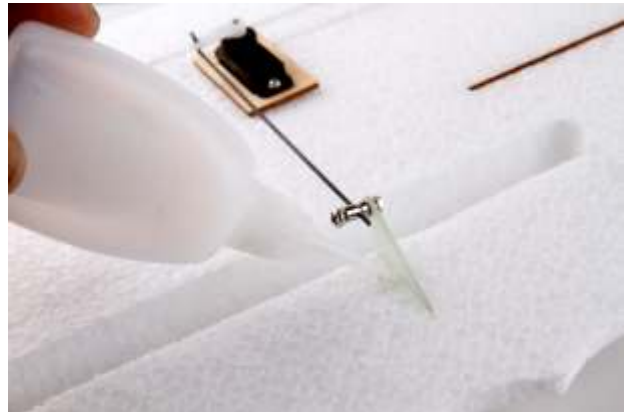
Lock self-tapping screw both sides of servo.



Put servo arm on suitable place and use art knife to cut the slot



Embedding servo into slot



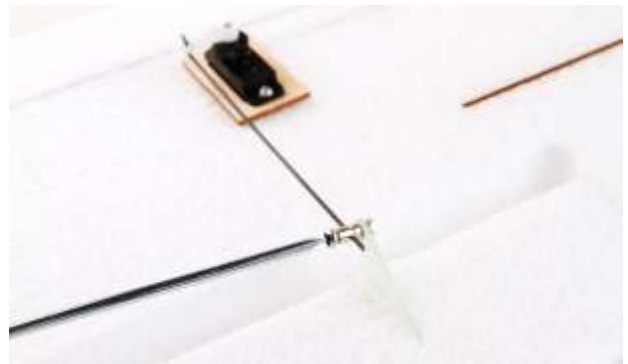
Insert glass fiber servo arm into the slot with glue



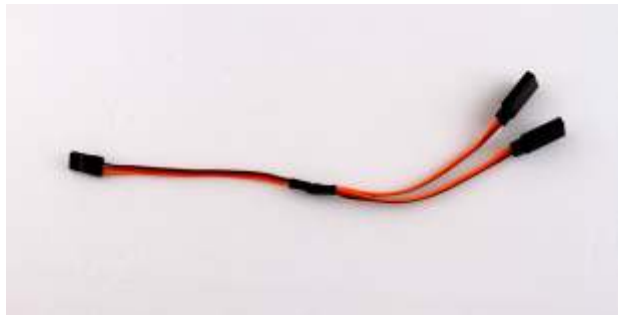
Pushrods



Lock screw on servo arm



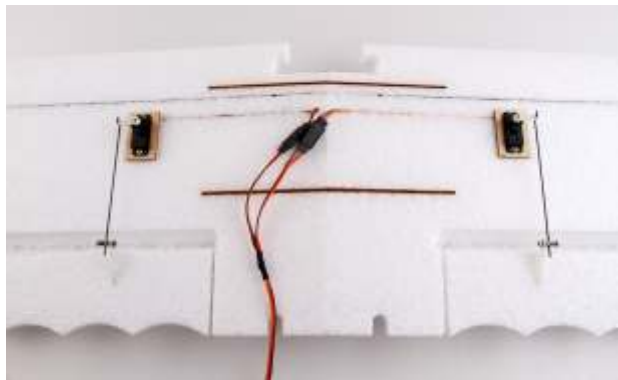
Align the aileron and tighten with screwdriver



Y harness



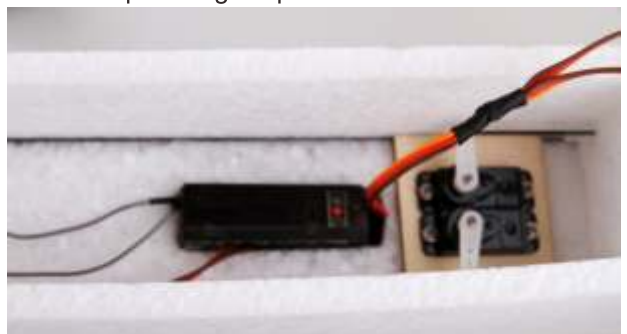
Receiver



Connect Y harness to aileron servo



Insert all servo cables into receiver according to corresponding sequence.



Put receive into the slot of fuselage.



30A ESC



Battery:11.1V 3S 800—1800MAH



Connect motor cable to ESC cable



Battery:11.1V 3S 800—1800MAH
Fix wing on fuselge by using rudder band



Put the battery in to the slot of fuselage



Finish all