Before operating this unit, please read these instructions completely.

SBACH342-1100

Instruction Manual

Features:

1. EPP-SBACH342-1100 is a superb aerobatic model for 3D aerobatic flying. Model is produced by modern technology on CNC machines from EPP “almost unbreakable” material.
2. The flying time is between 8 to 15 minutes, it depends on the flying figures.
3. The model is able to “torque roll”and then after giving more “gas” to rise verticaly up, looping in “knife” flight and all aerobatic figures.
4. It is very easy to land with the model, you are able to do it into your hand if you want like with handlaunch glider.
5. The wing is dismountable and easy to carry.

Fuselage length: 1180mm (46.5in.)
Wingspan: 1100mm (43.3in.)
Flying Weight:850-900g (with battery)
Motor: AS2814 KV 1000
ESC: 40 Amp
Propeller: 1155 or 1260
Servo: 17g micro servo*4pcs
Radio: 4/more channel
Battery: 11.1V 1800-2200mAh Li-po 25C

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 excellentflying areas. Make sure you have permission to flyand follow safety guidelines set by local authorities.The calmer the wind, the better!

Note for Storage

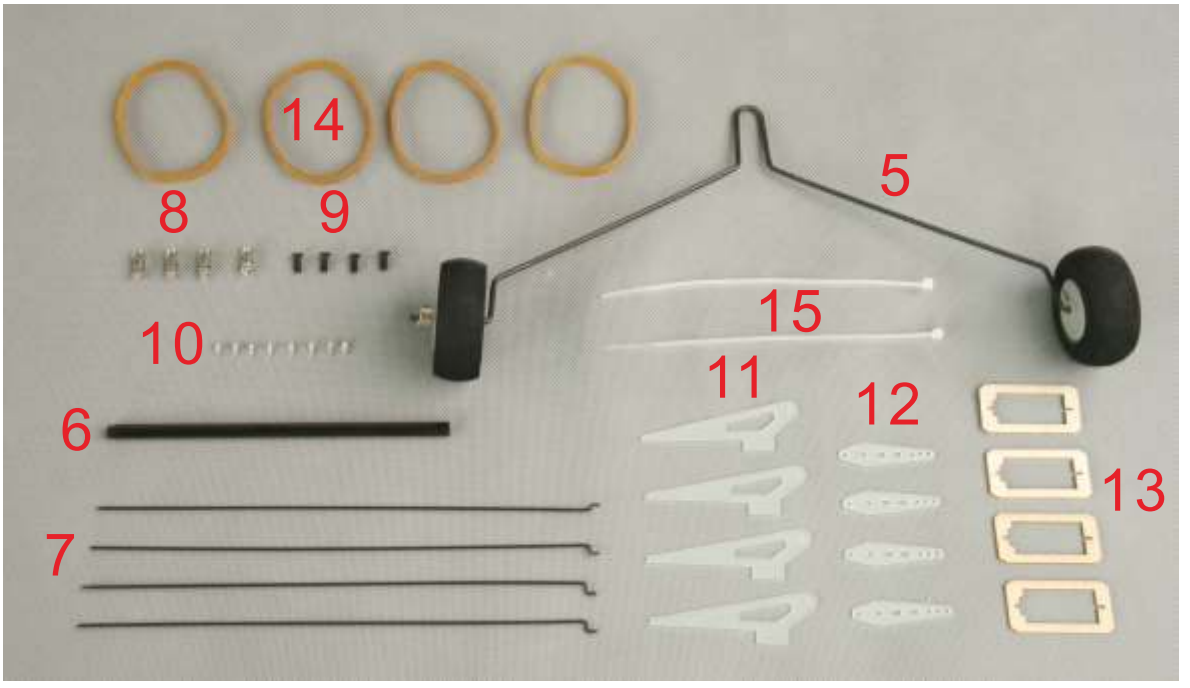
Please disconnect the lipo packs when finished flying
Do not press or crush the airplane when storing
The best way to store is to hang the airplane to keep the control surface rigid

Recommended Flying Setup

Max servo travel of aileron: 35 degrees up and 35degrees down(60mm)
Max servo travel of elevator:55 degrees up and 55 degrees down(90mm)
Max servo travel of rudder: 50 degrees left and 50 degrees right(110mm)

CG Position:
90-100mm away from the leading edge of the wing.

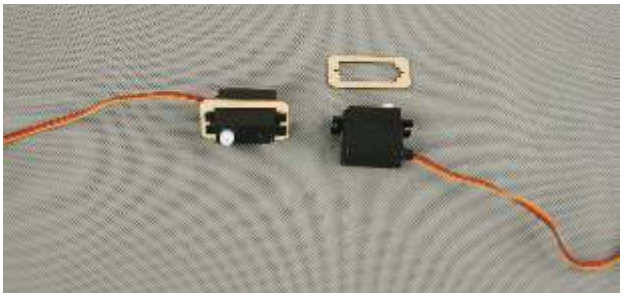
Parts included in the packing



1 Fuselage	1pc
2 Wing with aileron (right and left)	2pcs
3 Rudder(vertical tail)	1pc
4 Elevator (stabilizer)	1pc
5 Landing gear	1pc
6 Connecting carbon rod of the wing	1pc
7 Z -Bend 1.2 mm *200mm	4pcs
8 Pushrod adjustor	4pcs
9 Screw M3*8	4pcs
10 Screw 2*4	8pcs
11 Control horn 4pcs	4pcs
12 Extension arm 4pcs	4pcs
13 Plywood servo mount	4pcs
14 Rubber band	4pcs
15 Plastic strip	2pcs

The items below are required for assembly

The assembly steps :



1.Install elevator and rudder servo into the servo mount.

2.Glue elevator servo with installed servo mount into pre-reserved hole.

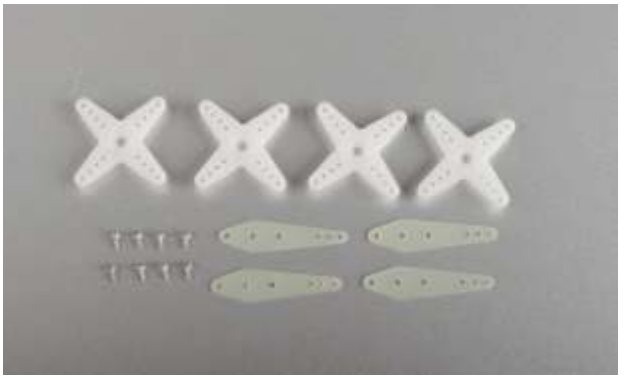
3.Then use self tapping screws to fix the servo onto servo mount.

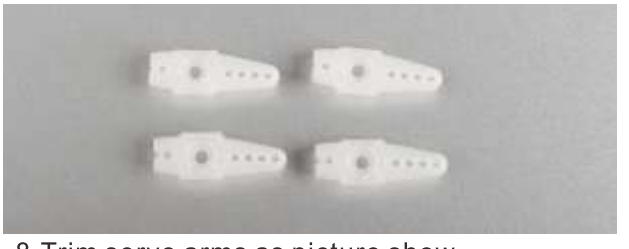
4.Install servo extension.

5.Cut a 10mm length slot on fuselage along a ruler, and make sure servo wire can be embeded deeply into the foam.

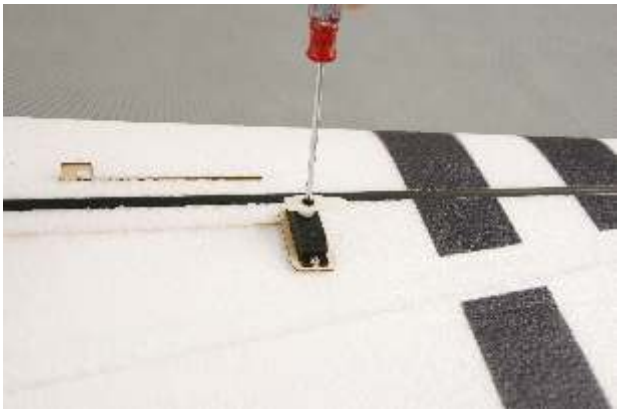
6.Embed servo leads into the slot.

7.Same operations on rudder and aileron servo.



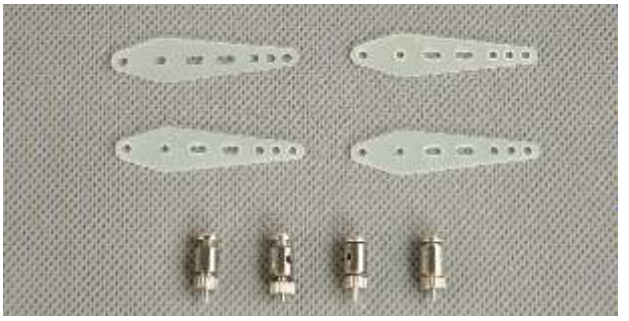


8.Trim servo arms as picture show.

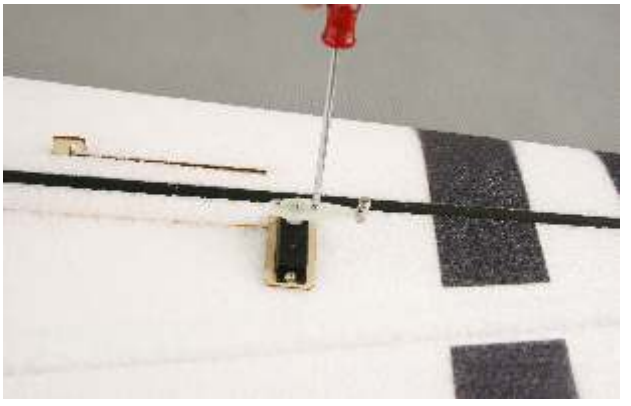


9.Fix trimed servo arm with included screw.

10.Same operation on elevator & rudder servos.

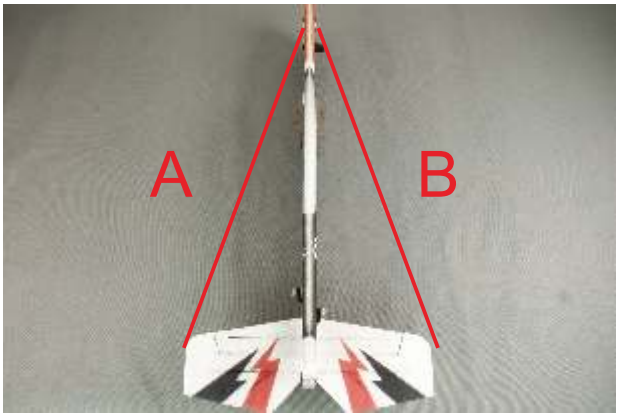


11.Install pushrod adjustor into the hole of servo arm extension.



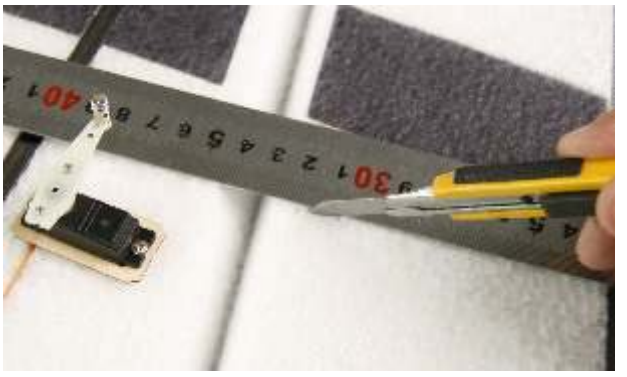
12.Fix servo arm extension on servo arm with 2pcs 2*4mm self tapping screws.

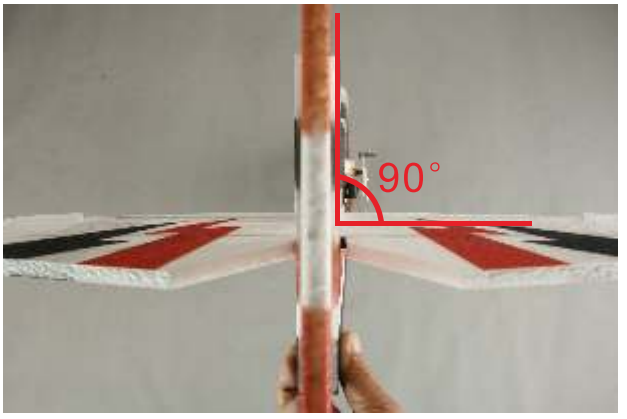
13.Same operations on rudder & elevator servos.



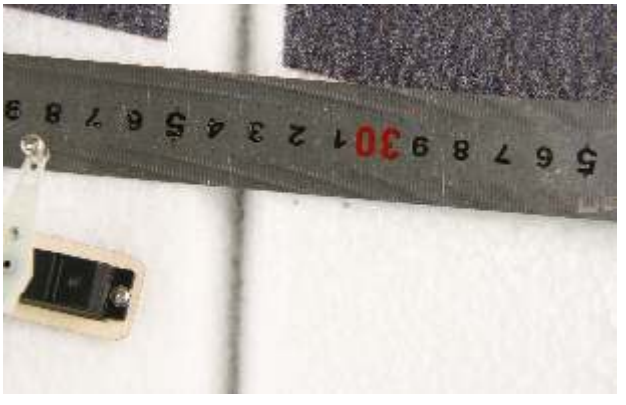
14 .Insert elevator into the slot of fuselage. Make sure A=B (refer to the picture).

15.Drop some glue on the joints of elevator and fuselage to fix.

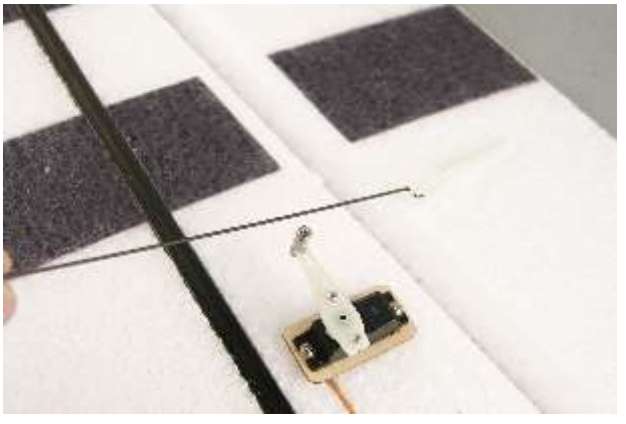




16.Use CA to fix the rudder.

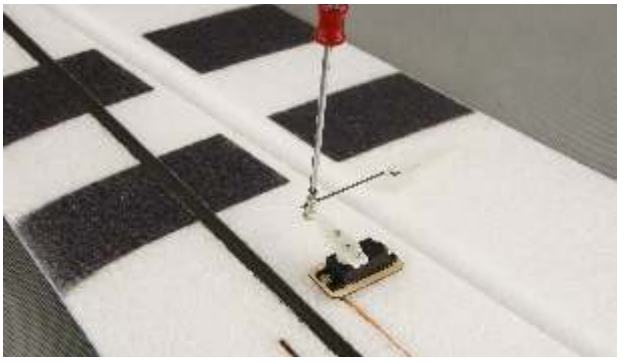


17.Cut a slot on control surface along a ruler (you'll find two precut holes, cut the slot along the two holes), and insert control horn into this slot, then use CA to fix. The same operation on aileron, elevator & rudder control horns.



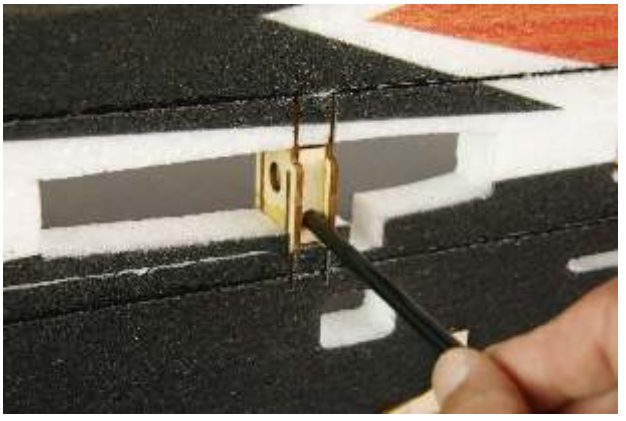
18.Connect Z bend into the hole of control horn.

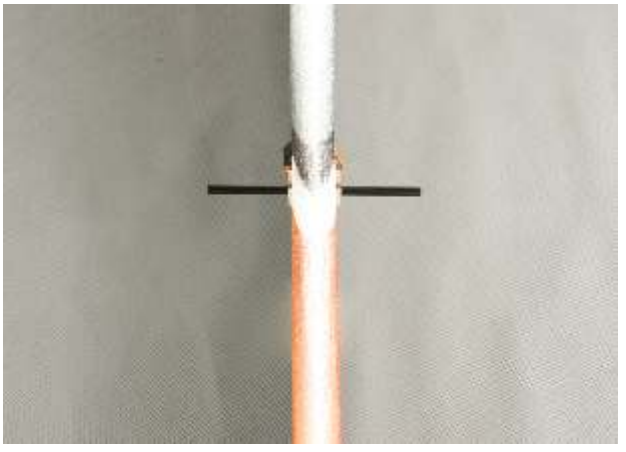
19.Reserve proper length of Z bend, then cut off additional part that you don't need.



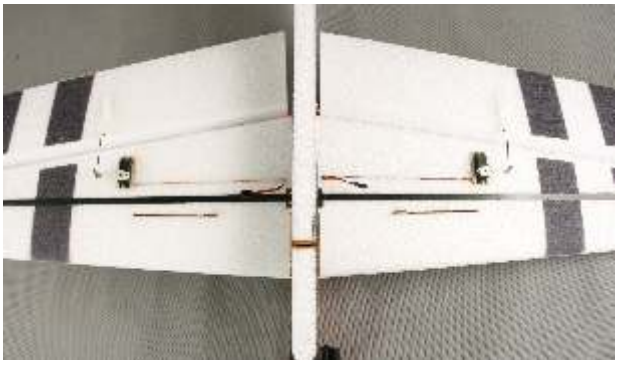
20.Put one end of steel wire into the hole of adjustor, then fix with screwdriver.

21.Same operation on elevator & rudder purshrods.

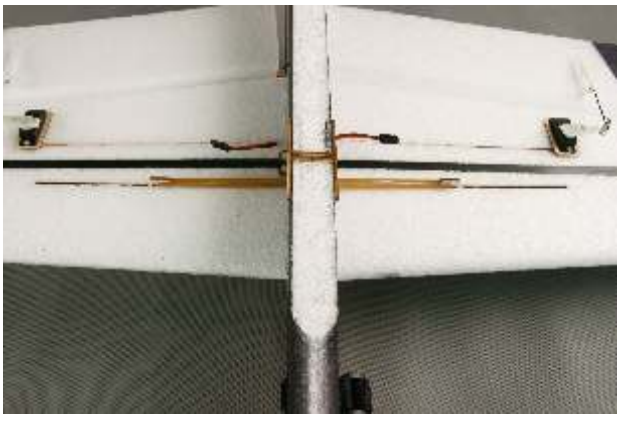




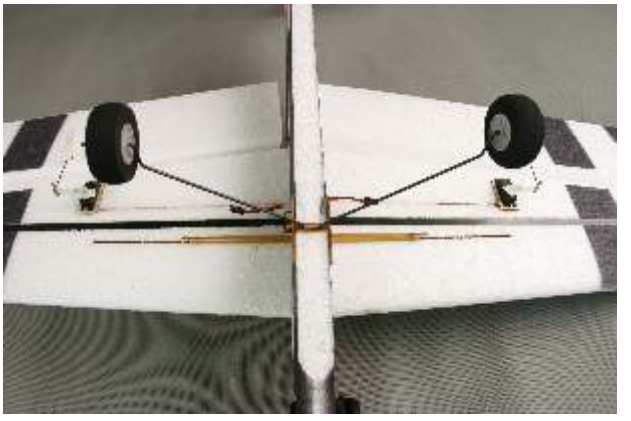
22.Insert the the connecting carbon rod of the wing to the hole of the fuselage. And ensure the both sides are equaland balanced.



23.Install the both wings to the connecting carbon rod and keep them in balance.

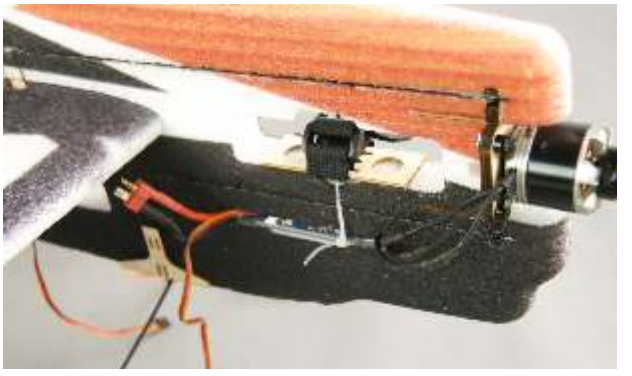


24.Connect the two sides of wings with two rubber bands as picture shown. You can take off two wings when you finish the flight. It's easy for you to carry.

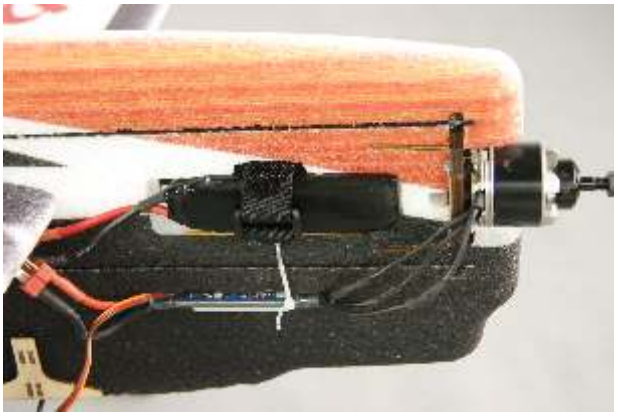


25.Install the landing gear provided to the belly of the fuselage.

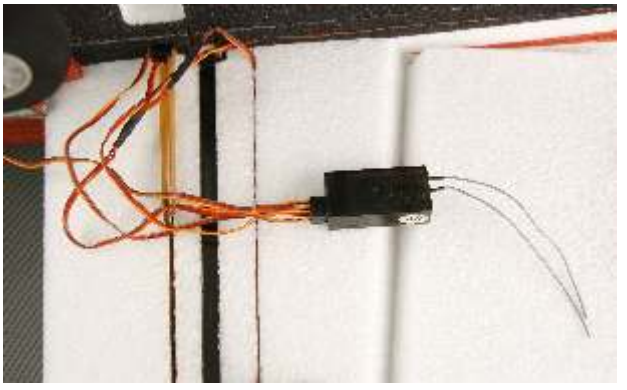
26.Install the motor onto the motor mount ,and then tighten them with 4pcs 3*8mm screws.



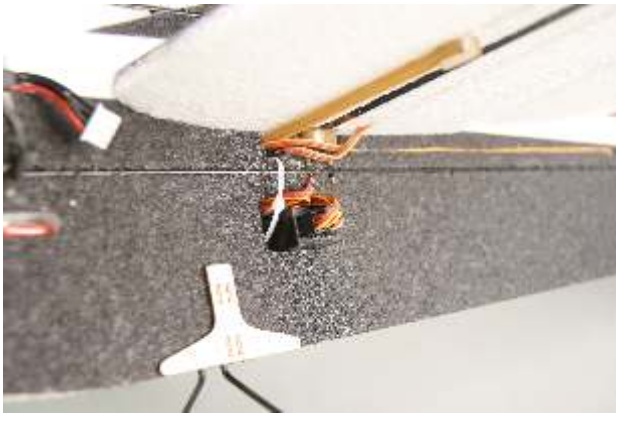
27.Install the ESC on the right of the fuselage hole , and then tighten them with the band. Use the knife to cut off the excess band .



28.Install the lipo battery pack,and then fix them with velcro.



29.Connect the servo and ESC plug to the receiver,and then test.



30.After test, put the receiver into the receiver slot. (see picture)

31.Install propeller.

A perfect EPP-SBACH342-1100 is done after your careful assembly.While assembly, the flying weight is really critical to the flight performance and will be affected by adding weight, so you should reduce any unnecessary weight while assembly. Then you'll get the best flying performance.