TECHone™

Before operating this unit, please read these instructions completely.

LEADER 3D EPP

Instruction Manual

Features:

1. Made of EPP, it's crash-resistant and easy to repair.

2. The size is small, very cute and easy to carry. And also can fly in very small places, i.e. basketball playgroud.

3. Can do great 3D maneuvers both indoor and outdoor.

4. It's suitable for 3D beginners for practice.

Product Specifications

Fuselage length: 670mm (26.3in.)
Wingspan: 600mm (24in.)
Flying Weight:100--110g (with battery)
Motor: 1306-10KV 3100
ESC: 6A Amp
Propeller:GWS 6030 sf
Servo: 3.7g micro servo*3pcs
Radio: 4/more channel
Battery: 7.4V 200mAh

Do not fly under below conditions

Wind Strong enough to rustle the trees
A street with many trees or lamps
Area close to high voltage wires
Area with high density population

Cautions for flying

Large gyms, front lawns and parks are excellent areas for flying. Make sure your flying is permitted and within the appointed safety area by local authorities.
The more windless, the better!

Note for Storage

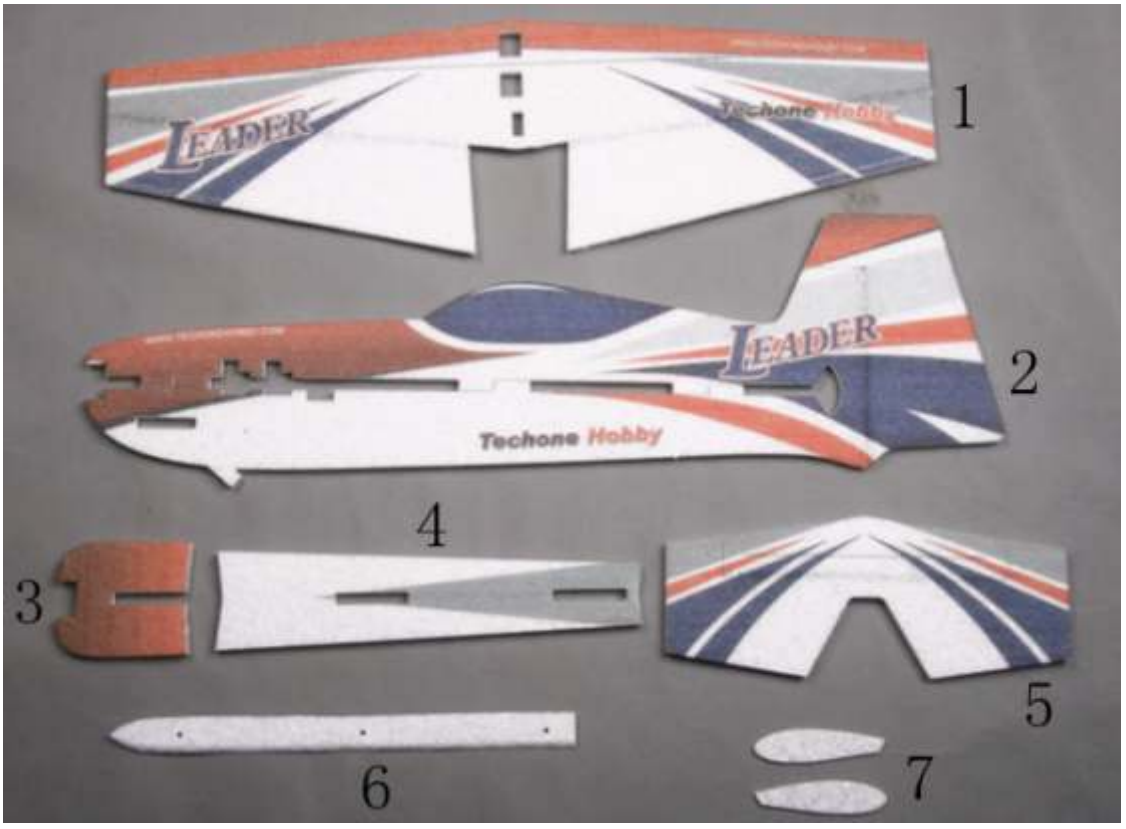
please disconnect the lipo packs when finished flying
Do not press or crush the airplane when storing
The best way to store is to hang the airplane to keep the control surface rigid

Recommended Flying Setup

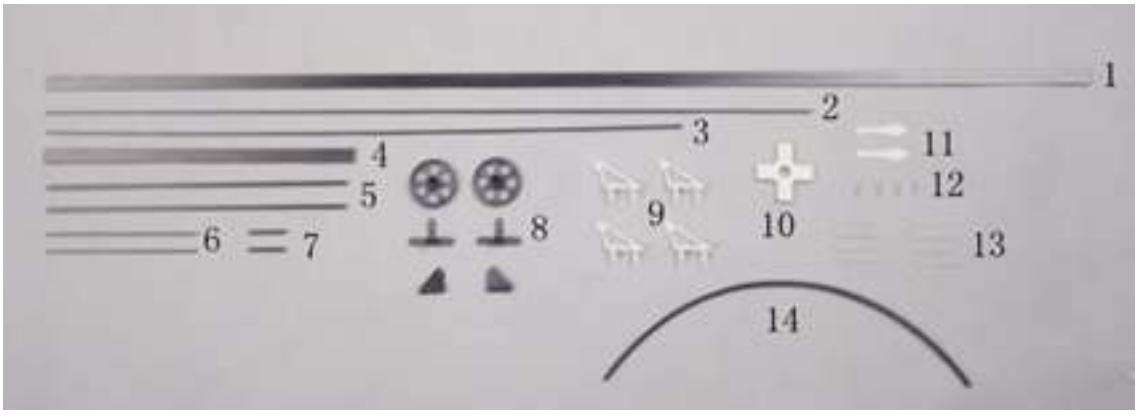
Max servo travel of aileron: 30 degrees up and 30 degrees down (50mm)
Max servo travel of elevator:45 degrees up and 45 degrees down (50mm
Max servo travel of rudder: 45 degrees left and 45 degrees right (60mm)

CG Position:
75-80mm away from the leading edge of the wing.

Parts included in the packing

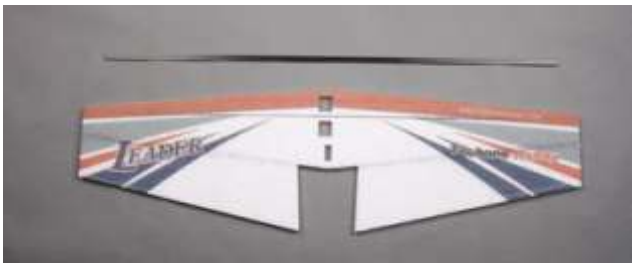


1.Wing
2.Vertical fuselage
3.Horizontal fuselage (front)
4.Horizontal fuselage (middle)
5.Stabilizer
6.Fuselage reinforcing foam strip
7.Wheel cover



1.Wing reinforcing carbon strip
2.Rudder push rod
3.Elevator push rod
4.Stabilizer reinforcing carbon strip
5.Landing gear carbon rod
6.Aileron push rod
7.Wheel connecting rod
8.Wheel parts
9.Control horn
10.Motor mount
11.Fiberglass knightheads
12.Motor fixing screws
13.Z bend
14.Shrink tube

The items below are required for assembly

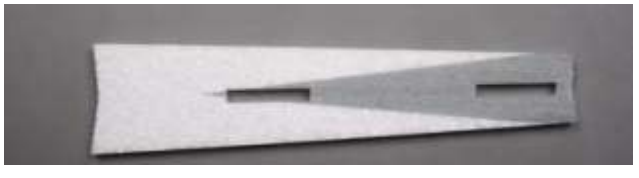


1.Wing & its reinforcing carbon strip

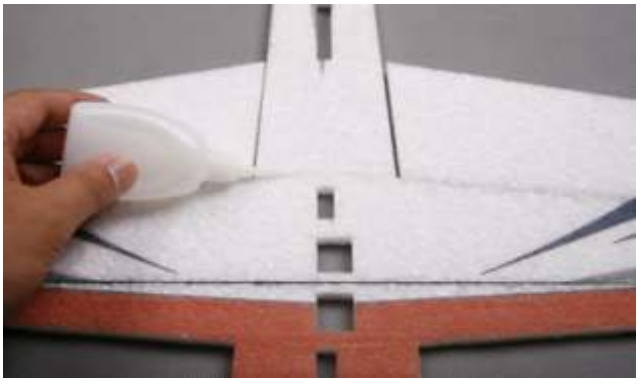
2.Insert reinforcing strip into wing slot and fix with glue.

3.Horizontal fuselage (front)

4.Align the front horizontal fuselage and wing, then fix with glue.



5.Middle horizontal fuselage



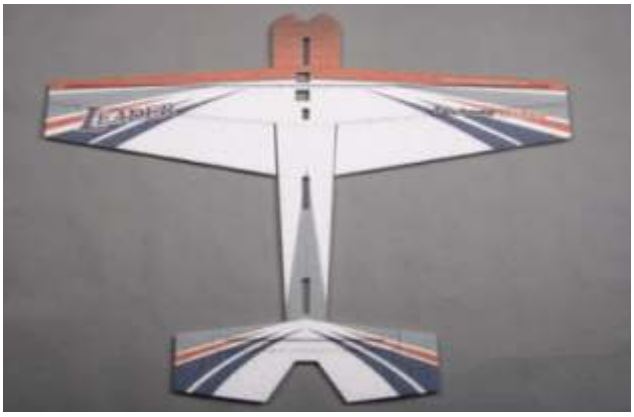
6.Align the middle horizontal fuselage and wing, then fix with glue.

7.Stabilizer and reinforcing strip

8.Insert strip into the slot of stabilizer and fix with glue.

9.Finished stabilizer

10.Install stabilizer and fix with glue.



11.Finished wing and horizontal fuselage

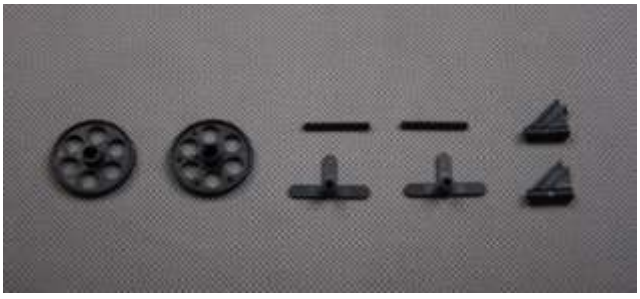
12.Install vertical fuselage on horizontal fuselage and fix with glue. Make sure vertical and horizontal fusealge is perpendicular to each other.

13.Fuselage reinforcing foam strip

14.Place the foam reinforcing strip on the right of the downside fuselage and fix with glue.

15.Motor mount

16.Place the motor mount on nose and fix with glue.



17.Wheel set

18.Press carbon rod into T plastic part and fix with glue.

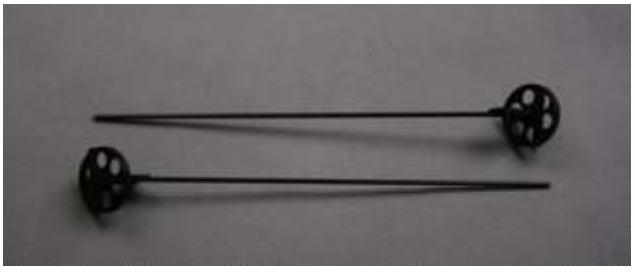
19.Put on the wheel on axis.

20.Fix triangle part on axis with glue.

21.Finished wheels

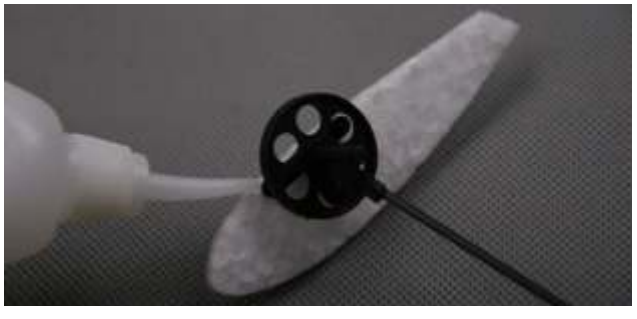
22.Landing gear carbon rod

23.Install the rod on wheel and fix with glue.



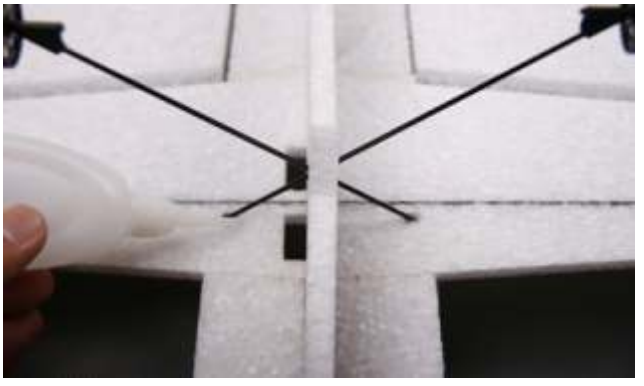
24.Finished landing gear set(without wheel cover)

25.Wheel cover

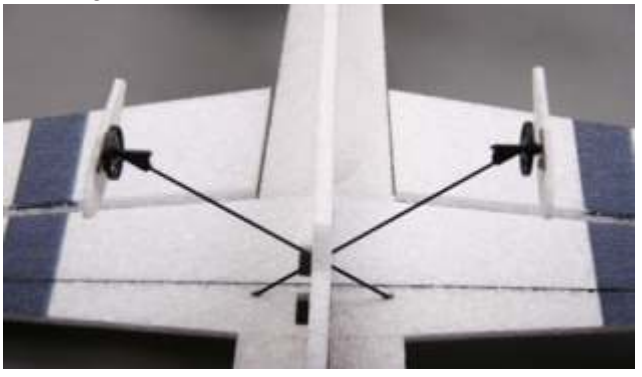


26.Install wheel cover with glue.

27.Finished landing gear set



28.Install landing gear set as picture shown and fix with glue.



29.Finished picture

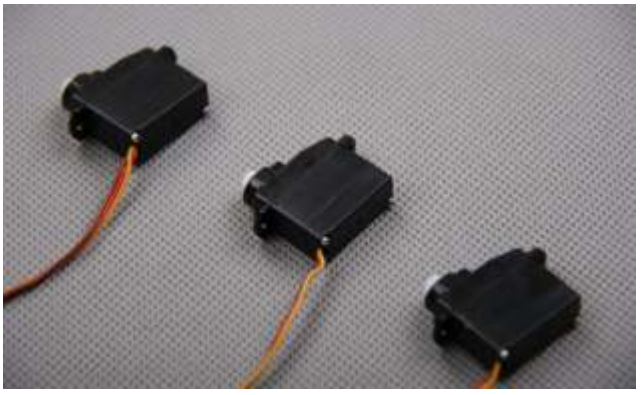
30.Finished plane kit

31.Motor 1306—10 KV3100
ESC 6A
Prop 6030
Motor mounting screws 4pcs

32.Install motor on motor mount with screws.

33.Place prop on the motor shaft.

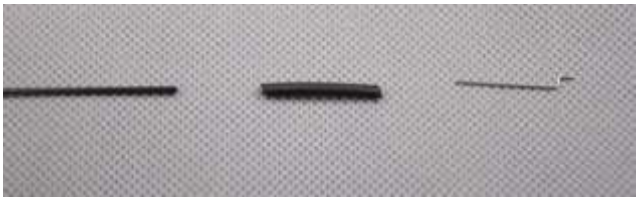
34.Fix motor with the bullet head included in motor set.



35. 3.7G servo

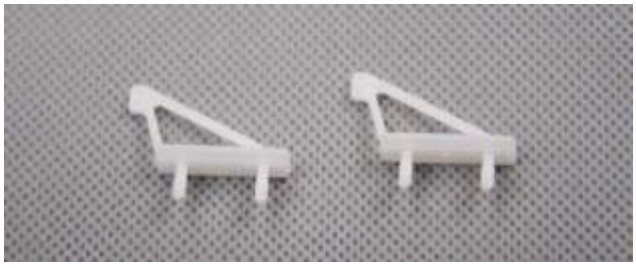
36.Place servos into aileron and rudder house, then fix with glue.

37.Install elevator servo and fix with glue.

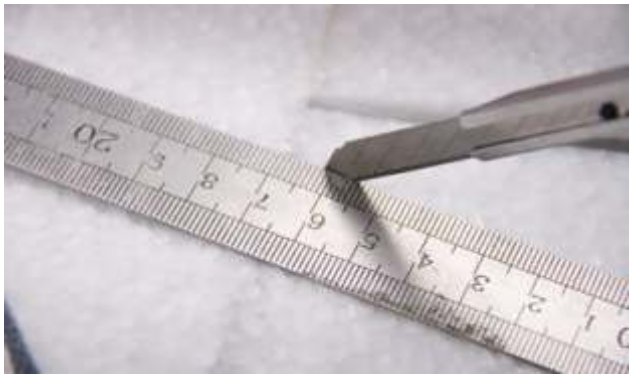


38.Push rod set

39.Fix servo arm on servo with screw.



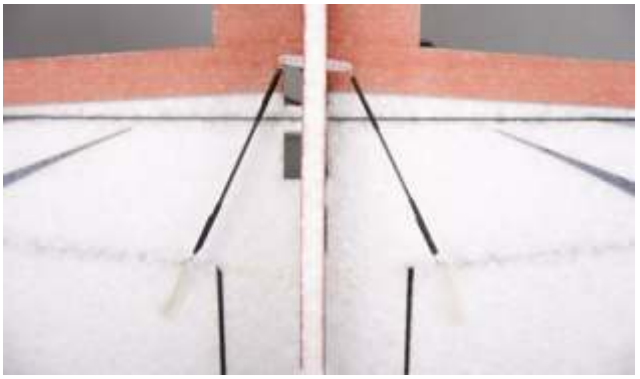
40.Plastic control horn



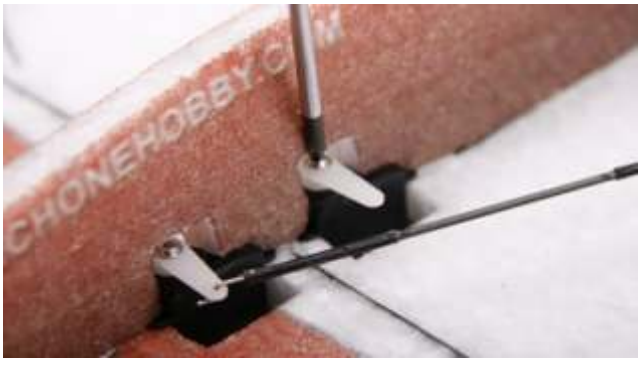
41.Cut 2 slots for installing left and right aileron control horns.

42.Insert control horn into the slot and fix with glue.

43.Use iron to fix the Z bend and carbon rod with shrink tube, then connect Z bends to control horn and servo arm.



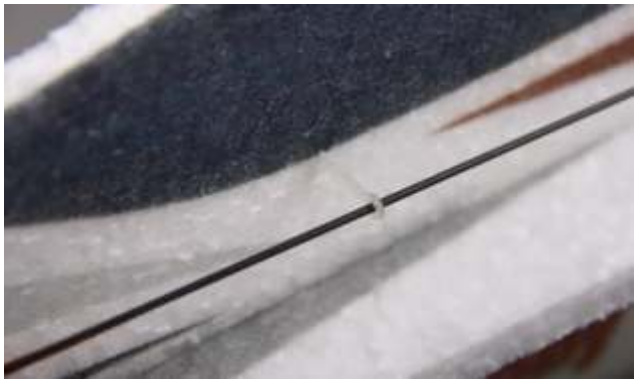
44.Finished aileron push rods



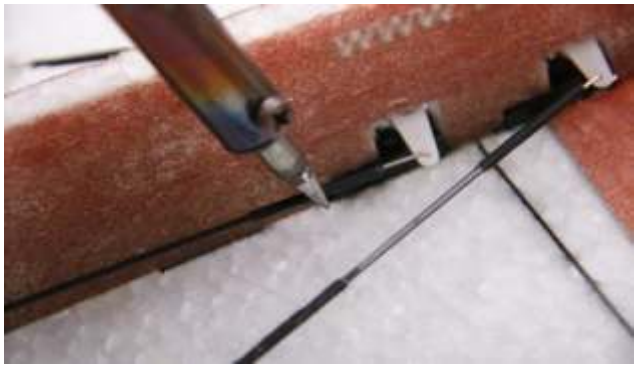
45.Install servo arm on rudder servo and fix with screw.

46.Cut a slot for installing rudder control horn.

47.Install rudder control horn with glue.

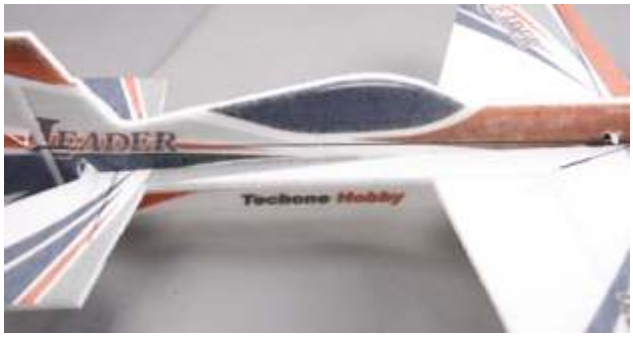


48.Thread the rudder push rod through the knighthead, then insert knighthead on upper vertical fuselage.



49.Use iron to fix the Z bend and carbon rod with shrink tube, then connect Z bends to control horn and servo arm.

50.After adjusting the position of knighthead on vertical fuselage, fix knighthead with glue.



51.Finished rudder push rod

52.Install servo arm on elevator servo and fix with screw.

53.Cut a slot for installing elevator control horn.

54.Install elevator control horn with glue.

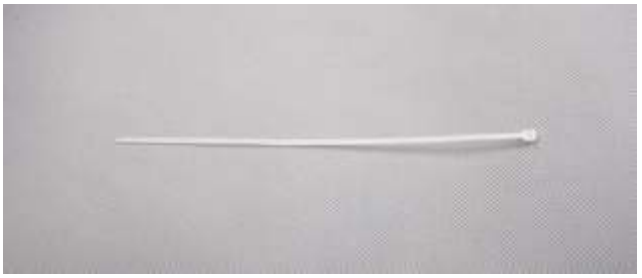
55.Use iron to fix one Z bend and carbon rod with shrink tube, then connect this Z bend to elevator servo arm.

56.Thread carbon rod through the knighthead, then fix another end of rod and Z bend with shrink tube. After adjusting the position of knighthead, fix it with glue.

57.Finished elevator push rod

58.57.Finished elevator push rod

59.Connect equipments plug to receiver.

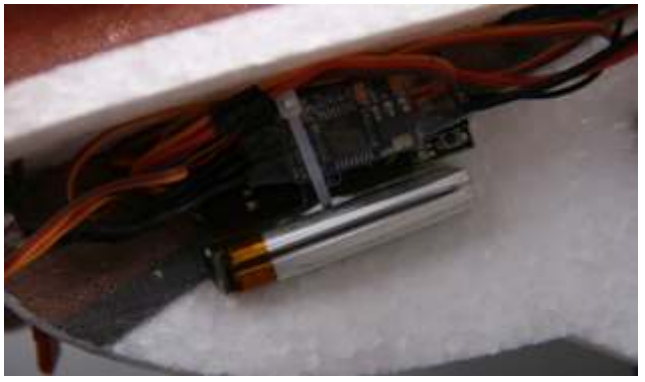


60.nylon strap

61.Fix ESC and receiver with nylon strap.

62.Cut off the excess part.

63.7.4V 200MAH lipo battery



64.Put battery into battery house.

65.Completely installed plane

A perfect Leader 3D 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.