MALIBU III

USER MANUAL

TechOne Hobby

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Features

Malibu3 is designed for the pilot with the sole purpose of performing 3D aerobatic maneuvers, Constructed of high impact resilient EPP Foam, it is ideal for practicing 3D stunts and maneuvers time after time.

MALIBU-3 is plane improved by our two front MALIBU和MALIBU-2，which both have very good sale volume. MALIBU-3 Has pretty good appearance,with clean and tidy outlook. MALIBU3 apply special 10MM 45 timesEPP materail,a good crash resistance ,build and maintain. With moderate size,very easy to carry,we specially cut small gap at the hinges of aileron,stablilizer and rudder, to reduce the resistance when rudder swing,reduction the load of servo

Product Specifications

Fuselage Length: 920mm (36.2in.) **Wingspan:** 844mm (33.2in.)
Flying Weight: 210-220g (with battery) **Motor :** AT2206 V2 KV1500
ESC : 10Amp **Propeller:** 9050 **Servos:** 8g micro servo *3pcs
Radio： 4/more channel **Battery:** 7.4v 2S 350mAh-500mAh Li-po

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

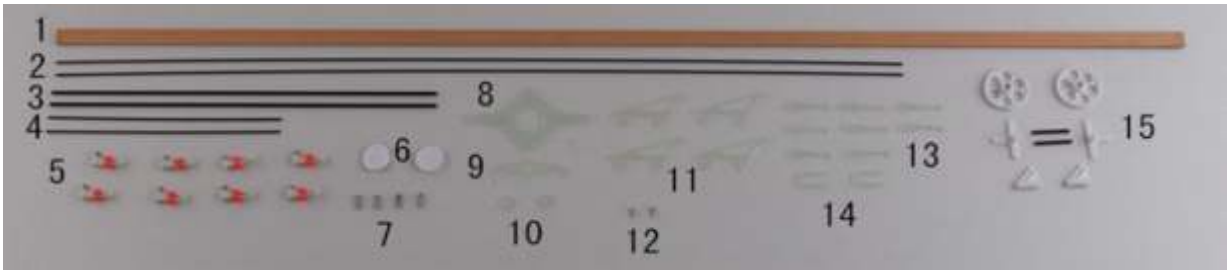
Cautions for flying
Large gyms, front lawns and parks make excellent flying areas. Make sure you have permission to fly and follow safety guidelines set by local authorities. The calmer the wind, the better!

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

CG Position: 220-230mm away from the leading edge of the wing.

Parts included in the packing

1. Fusalege	1pc	2. Wing	1pc
3. Horizontal Fuselage	1pc	4. Wingtip	2pcs
5. Fuselage Reinforcing Foam Strip	2pcs	6. Landing Gear Baffle	2pcs
7. Wheel Cover	2pcs		



1. Wing Reinforcing Batten	1pc	2. Elevator & Rudder Push Rod	2pcs
3. Landing Gear Carbon Fiber Rod	2pcs	4. Aileron Push Rod	2pcs
5. Plastic Clip	8pcs	6. Round Velcro	2pcs
7. Self-tapping Screw 2*8	4pcs	8. Motor Mount	1pc
9. Fiber Glass Servo Arm	1pc	10. Landing Gear Reinforcing	2pcs
11.Fiber Glass Control Horm	4pcs	12. Fiber Arm Fixing Screw	4pcs
13. Push Rod Knighthead	8pcs	14. U Reinforcement	2pcs
15.Wheel	1pc		

The assembly steps

1.Glue left and right wing on fuselage as picture shown

2.Wing reinforcing batten installation
Cut off the cutting seam on the wing
Insert the batten into the slot and fix with glue

3.Horizontal stabilizer installation

4.Cut off the joints between upper and lower vertical fuselage as picture shown

5.Install lower vertical fuselage on horizontal fuselage in place
Make sure vertical fuselage is perpendicular to horizontal wing,then fix with glue.

6.Fuselage reinforcing foam strip installation as picture shown

7.Landing gear assembly

8.Press 2mm axis into T plastic part

9.Then install wheel and trangle part,then fix axis and triangle part with glue

10.Insert 2*220mm carbon fiber rod into the slot on triangel part,then fix with glue

11.Landing gear installation

12.Place the U reinforcements on the joints of landing gear and lower fuselage,
Make sure vertical fuselage is perpendicular to horizontal fuselage,then fix with glue.

13.Wheel cover

14.Wheel cover bonding

15.Landing gear baffle

16.Landing gear installation

17.Insert upper fuselage into the slots on horizontal fuselage, then fix with glue
Make sure the upper fuselage is perpendicular to horizontal fuselage,

18.Vertical rudder

19.Vertical rudder bonding

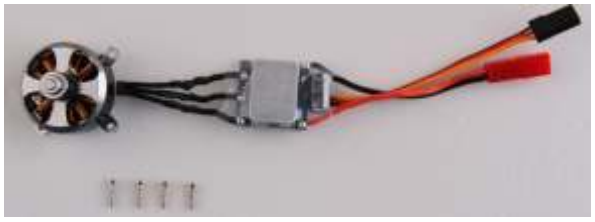
20.Wingtip

21.Install the wingtip at the middle of the wing, make sure the wingtip perpendicular to the wing

22.Finsh the Kit

23.Motor mount

24.Put the motor mount on the nose of fuselage, then fix with glue



25.Motor: AS2204 KV 1700 ESC: 10A

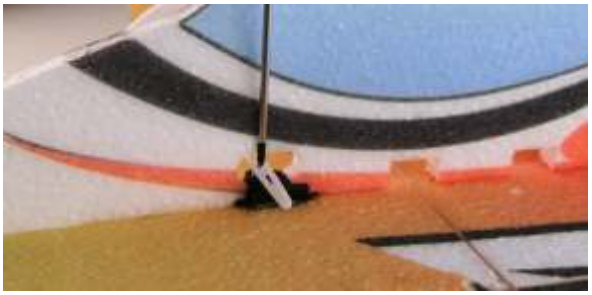
26.Fix the motor on motor mount with screw

27.Propeller installation

28.ESC installation

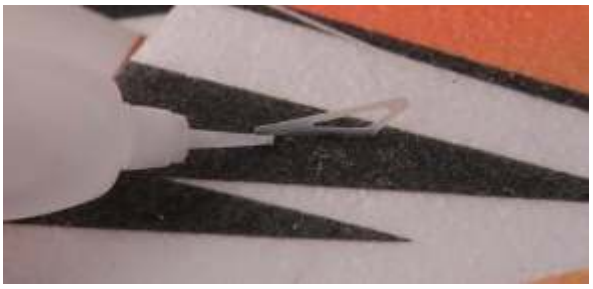
29.8G Servo

30.Glue the servo in the aileron slot

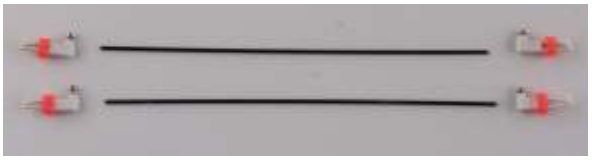


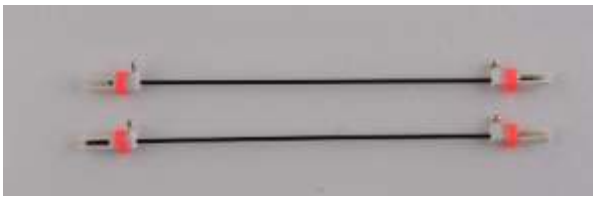
31.Install servo arm on servo and fix with screw

32.Control horn

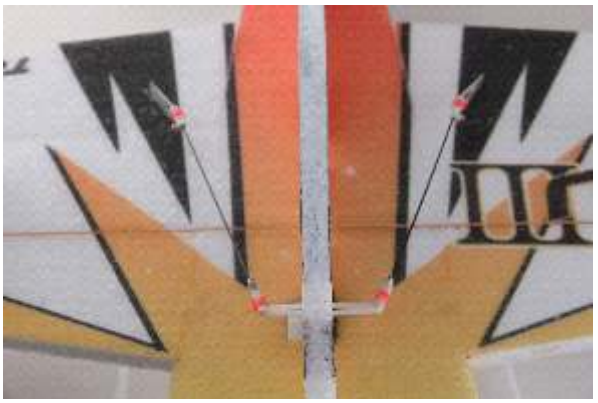


33.Put the control horn in the slot of left and right aileron,then fix with glue





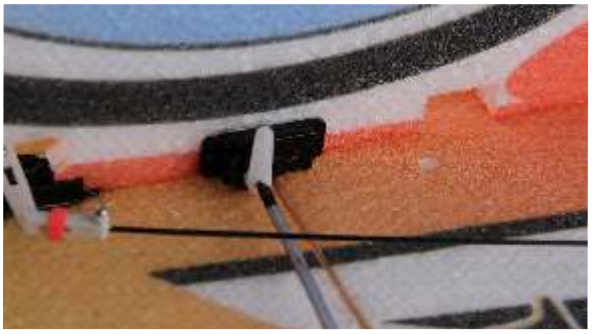
34.Plastic clip and push rod connection



35.Connect the servo with aileron control horn as picture shown

36.8G Servo

37.Put the servo in the slot of horizontal tail,then fix with glue



38.Install the servo arm on the servo,then fix with screw

39.Control horn

40.Put servo in the slot of horizontal tail, then fix with glue

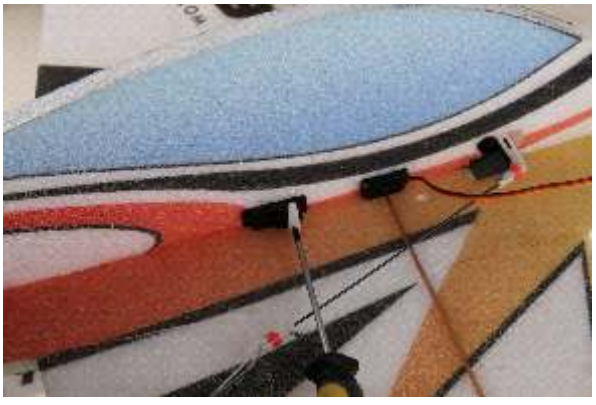
41.Pushrod

42.Install the fiber reinforcement in the slot of fuselage,make sure the reinforcement not be wiggly ,then fix with glue.

43.Adjust the plastic clip to the right place by scewdriver,then fix with screw

44.8G Servo

45.Install servo to the slot of rudder,then fix with glue



46.Install servo arm to servo,then fix with screw

47.Control horn

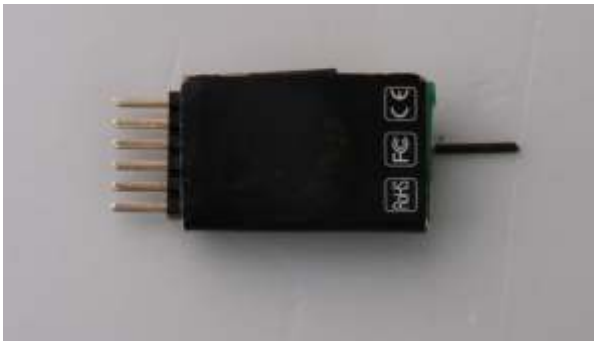
48.Install servo in the slot of rudder,then fix with glue

49.Rudder pushrod

50.Install the fiber reinforcement in the slot of fuselage,make sure the reinforcement not be wiggly ,then fix with glue

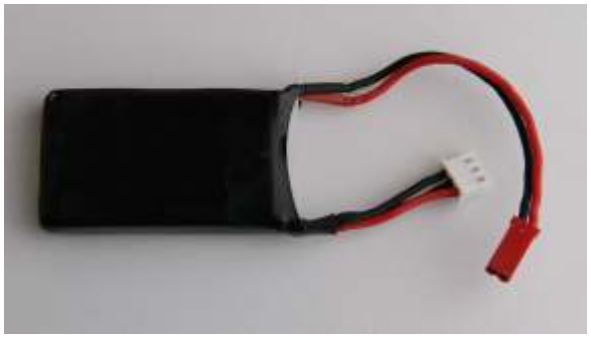
51.Adjust the plastic clip to the right place by scewdriver,then fix with screw

52.Rudder and elevator pushrods installation finished



53.Receiver

54.Connect and insert all servo cable to receiver according to suitable channel,then fix with velron ribbon



55.Battery: 2S 7.4V 400—500MAH

56.Battery installation

57.All installation finished

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