2M SLOOPY 2000

Instruction Manual

You should read this Manual carefully before you play.

It contains important information for using the model.

◆ SLOOPY 2000

SLOOPY 2000 is new mate of R2hobbies Gliding Team. It's the latest Edition of R2 Glider. Like others, its fuselage is made up of Carbon Giber but in additional, it has 4 extra Fiberglass Clothes Layer turn out an Ultra-Strong and in Carbon-Kevlar Pattern Fuselage. Covered with Top 1 Covering Frame – Oracover, the Sloopy 2000 fly freely and be an outstanding one in the sky!

◆ Specification

Length : 1110mm
Wingspan : 2000mm
Wing Type : S-4083
Wing Area : 32 dm. sq.
Wing Load : 25-35g /dm. sq.
Propeller : 12 x 6"
Flying weight : ~800g
Recommended Devices(Not included):
Radio Gear: Turborix 2.4Ghz 6 Channel Radio Gear
Servo : 4 x Turborix SG90 9g Mini Servo
Motor : Turborix 1200rpm/v 105W D2627 Brushless Motor
ESC : Turborix 60A Brushless ESC

◆ Preparation

1. Check all parts. If you find defective or missing parts. Please contact your local dealer.(Or contact R2hobbies If you order from R2hobbies directly.)
2. Changes in weather, temperature and humidity may cause the covering film to slacken. If necessary, use an iron to tighten the covering film.
   Attention:
   - Iron should be covered with cloth, and start at low temperature.
   - Slowly rise to proper temperature, or you may damage the film if it's too high.
   - Thrust the covering film and make some small holes. This allows hot air goes out.
     Check the joints and re-cut if it's not obviously show. You will find it easier when constructing the Hinge.

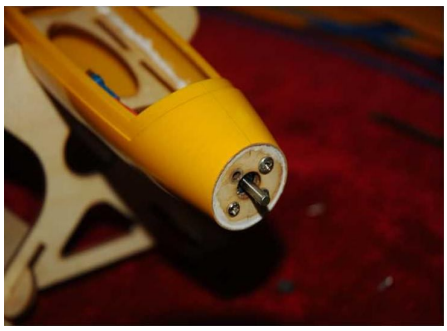
◆ Tools

Cutter Iron Pincers
Glue Screwdrivers
Paper Adhesive Tape

◆ Fuselage

◆ Installing Motor

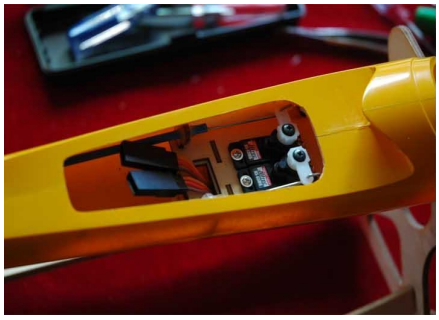
1. Fix the Motor with 2-4 Screws into the Motor Mount in the Head.

◆ Installing Tail Wing Servo

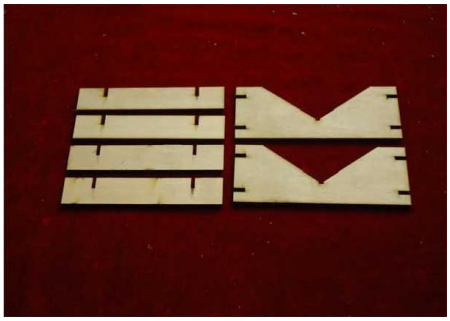
1. Pass the Servo Extention Wire from Fuselage Front to the Servo Cabin. Such action will make connecting Aileron's Servo easier.
2. The Servo Mount is pre-installed in the fuselage. Apply AB Glue to Push Rod Plastic Outside Tube and Fix it onto Servo Mount.

3. Install Servo and fix it with screws

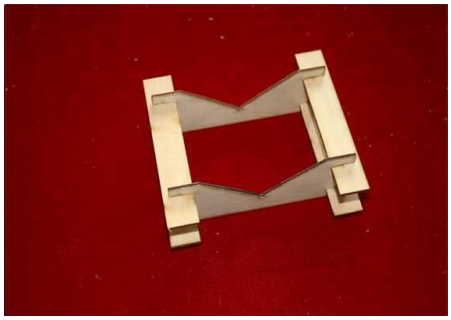


◆ Constructing V-Tail

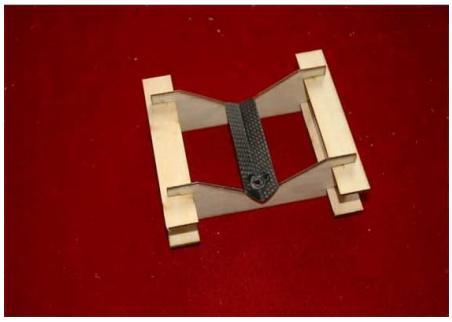
1. Tail Wing is important in controlling speed, so it should be constructed delicately to give the best performance. Therefore, R2hobbies prepare a Tail Mold to make sure the Tail Wing opens accurately.
2. Check the Tail Mold Parts



3. Insert the Stick into the V-Shape Wooden Parts, Joint-to-Joint, form lilke the following Figure.



4. Place the Carbon Fiber V-Strip onto the Tail Mold.



5. Glue or Fix the V-Tail on the Tail Mold.

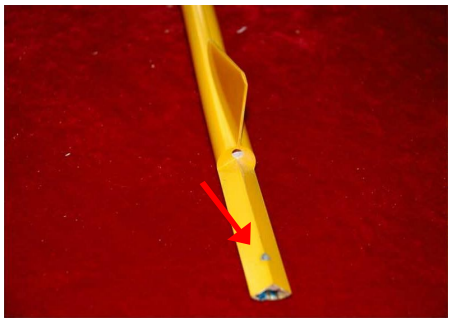
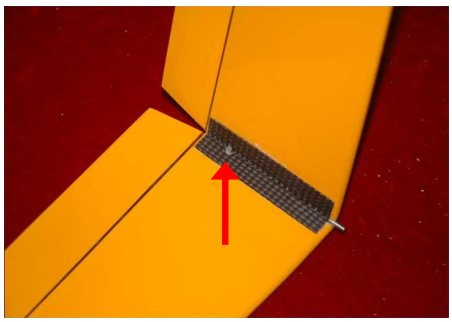
6. Place the Carbon Fiber V-Strip onto the Tail Wing. Mark its size and cut the V-Tail covering frame by the marking.



7. Glue the Carbon Fiber V-Strip onto the V-Tail. Please note that the Adjusting Pin should be fixed on Tail Wing Front Edge.

◆ Combining Fuselage & Tail Wing

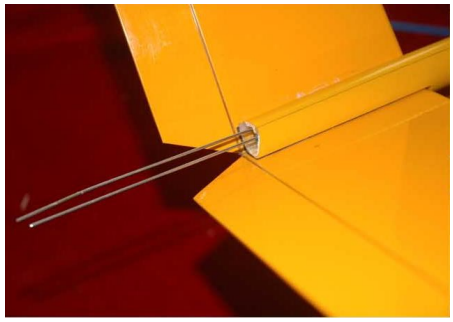
1. Place the V-Tail onto Fuselage Tail Part. Mark the Fuselage Tail Hole Location and drill a hole on the V-Tail

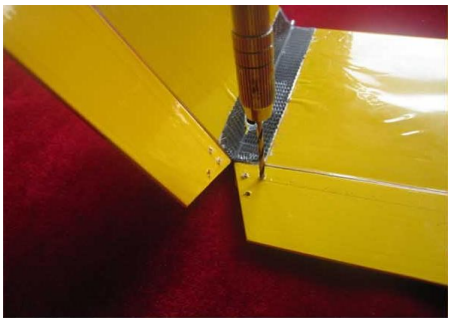
2. Fixing the V-Tail onto the Fuselage by Screw.

◆ Constructing Elevator

1. Insert the Servo Push Rod out of the Fuselage Tail.

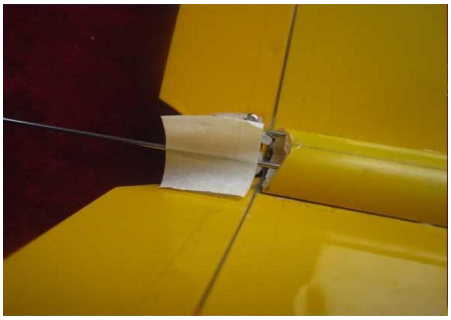
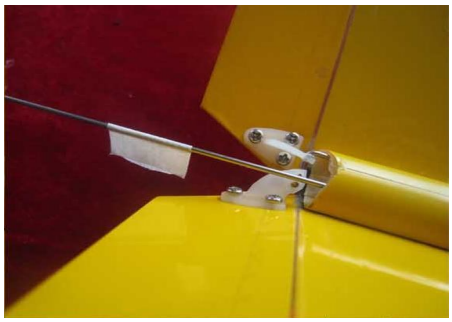


2. Make Sure the Servo Arm location and install the Servo Horn onto the Elevator.



3. Connecting Push Rod and Servo Arm.

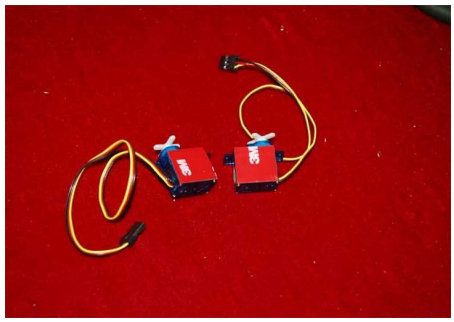
4. Use Adhesive Tape to confirm the location of Servo Horn, in order to make sure the Angle of Elevator is correct.

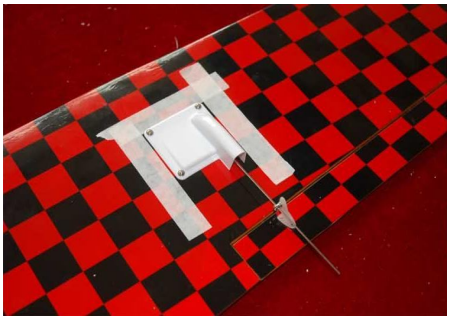

5. Bend Push Rod in 90 Degree and connect Servo Horn.


◆ Installing Aileron Servo

1. Find the Servo Location and remove the covering frame. Stick the Servo onto the Servo Rectifier by Bi-side Adhesive Tape.


2. Mark the Servo Rectifier by Paper Adhesive Paper. Make sure the Servo Arm is parallel to Aspect Ratio. Then, install the Servo Horn perpendicularly to Servo Arm.




3. Lead the Servo Wire out from the Main Wing Root Exit.

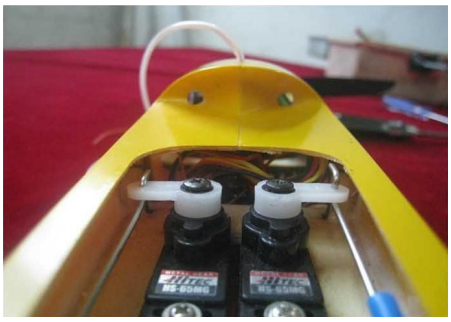
◆ Inside the Cabin

1. Place the receiver and ESC under the Battery Mount.

2. Fill in Magic Tape and Fix Battery onto the Battery Mount.


◆ Fixing Main Wing & Fuselage

1. Locate Main Wing adjusting hole & Drill it. Fuselage Latter Wholes and Main Wing Mounting Holes are already drilled.



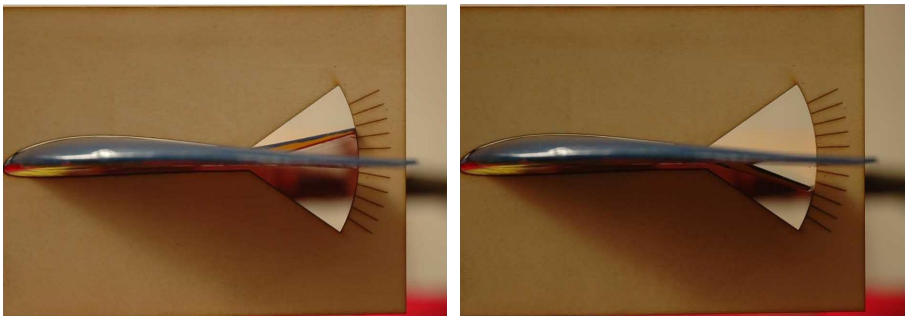

2. Remove the Covering Frame on the Main Wing for Fixing to Fuselage. Then, Screw the Main Wing onto the Fuselage.

◆ Adjustment

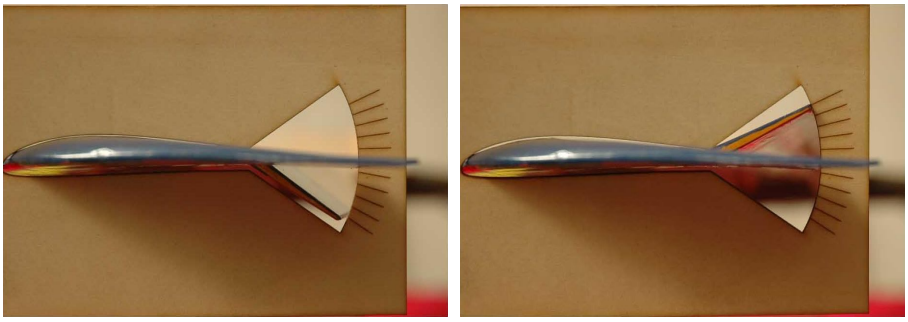
You will find a Adjusting Board from the Accessories packing. You can adjust the Servo Arm Bend Angel in order to regulate the Ailerons.

* Please have a FIRST TRIAIL through HAND Launched Flight to Final Adjust the real performance.

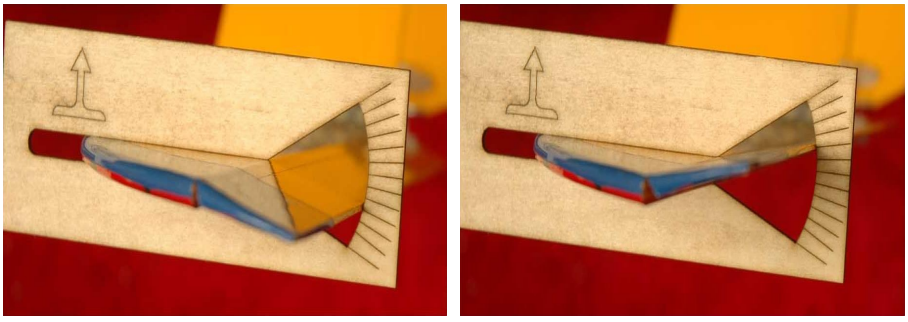
1. Ailerons Raise/Lower 2 Level
   - Mild/Slow Flight
   - Easier to Control



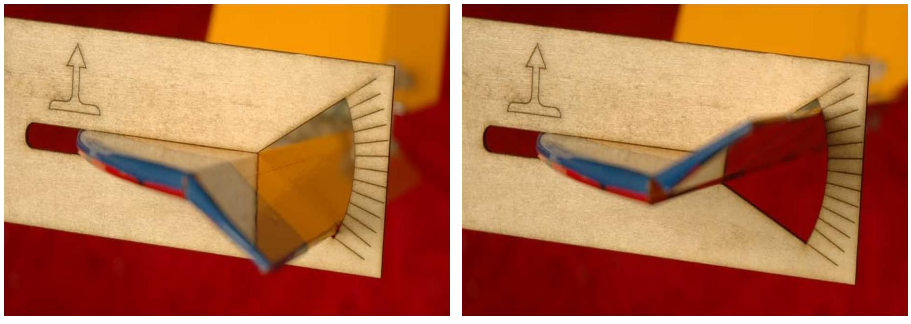
2. Ailerons Raise/Lower 5 Level
   - Speedy / Nimble Flight



3. Elevator Raise/Lower 2 Level
   - Mild/Slow Flight
   - Easier to Control



4. Elevator Raise/Lower 5 Level
   - Speedy / Nimble Flight



◆ C.G. Point

The C.G. Point is the 1/3 Distance from the Front Edge of Middle Wing. A bit adjustment will be needed for different devices applied.

◆ Before Flight

1. Check the Parts Lists. Contact us at once if you find any parts are missing. Please DO NOT throw the packing away and take a photo on it and all the received items. Send them to cs@r2hobbies.com. We'll then check it for you.
2. Take extra care in charging Lipo battery. Stay aside it when charging and DO NOT charge it over an hour. Do not use BLOATED Battery and misused of Lipo Battery may cause damage to it or possibly a FIRE.
3. Please check if all the operation works well BEFORE every flight. Make sure that all the devices are in good condition. Run it before you fly.
4. Check if Screws & Rods are firmed
5. Ready? FLY now!

Wish you a Safe & Happy Fly!