

注意事项 SAFETY PRECAUTIONS

- 这个产品不是玩具，而是一个复杂的具有难度的飞行器。您和您身边人的安全取决于您如何操作它，您需要了解相关知识，并谨慎操作。禁止没有成人陪伴的儿童独自操作该设备。不适合14岁以下人群使用。再次强调，这不是一个玩具。
- This product should not be considered a toy, but rather a complicated and sophisticated flying model. Your safety depends on how you use and fly it, If not correctly operated, could cause injury to you or your family members. Children must be accompanied by an adult at all times if operating this product. Not suitable for children under the age of 14. THIS IS NOT A TOY.
- 不要在机场，军事基地，居民区或其他任何受限制的地方飞行。
- Do not fly around some restricted location like airports, military bases, residential areas, etc.
- 您需要对发射机进行距离检查，以确保没有收到任何干扰。
- You will need to range check the transmitter to be sure you are not experiencing any interference.
- 始终保持先打开发射机后打开接收机，先关闭接收机后关闭发射机的步骤。
- Always turn on the receiver last after turning on the transmitter and shut off the receiver first before turning off the transmitter.
- 如果您是初学者，建议您在有经验玩家的协助下调试和飞行。
- If you are only a beginner to the radio control model flying, do not attempt to fly your model without any assistance or advice from advanced expert fliers.
- 请将相关物品放置在孩子们够不到的地方
- Keep relevant items out of reach of children.
- 这个设备的设计已经超过我们正常使用所需要刚性要求，但若您需要以超出我们推荐的动力飞行时，请合理控制动作幅度并适当增加机体强度。
- This product has been flight tested to meet or exceed our rigid performance and reliability standards in normal use,if you plan to perform any high-stress flying, you are solely responsible for taking any and all necessary steps to control movement range and reinforce the body strength.
- 您的设备中可能包括一些玻纤和碳纤维雕刻的部件，这些纤维部件所带的粉尘可能会引起眼睛，皮肤的不适，请您在需要的时候带上护目镜或者防尘服。
- This product may include some fiberglass and carbon-fiber reinforced plastic parts,which may cause eye and skin discomfort,pls wear the goggles or dust-proof clothes when needed.
- 因航空运输安全管制，您收到的产品可能没有清单中出现过的胶水，请您理解无法发送胶水给您的原因。您可以在当地文具店很方便的购买到您所需要的胶水。
- Due to air traffic safety control, the products you receive may not have the glue that appears in the list. Please understand and purchase the glue you need at your local stationery store.



飞行参数 Specification

翼展:600mm
机长:550mm
起飞重量≈210g

Wingspan: 600mm
Length: 550mm
Flying Weight≈210g

推荐配置 Suggested Equipment

推荐马达: MM1904-1908 1500-2000KV
推荐电调: 20A
推荐舵机: 5g*3pcs
推荐桨叶: 7-8寸
推荐电池 2S 400-800mAh
推荐4通道以上接收机

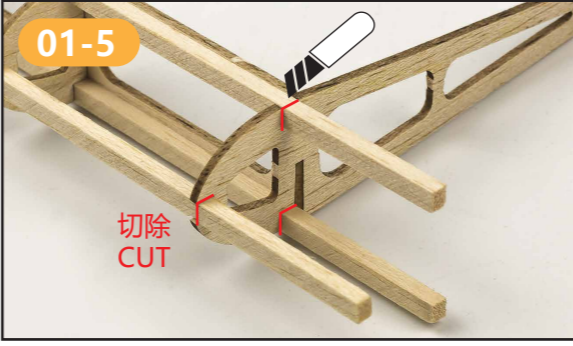
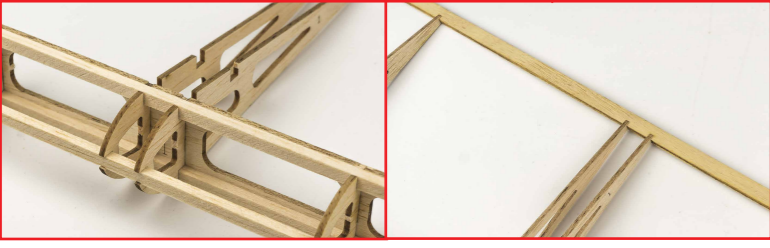
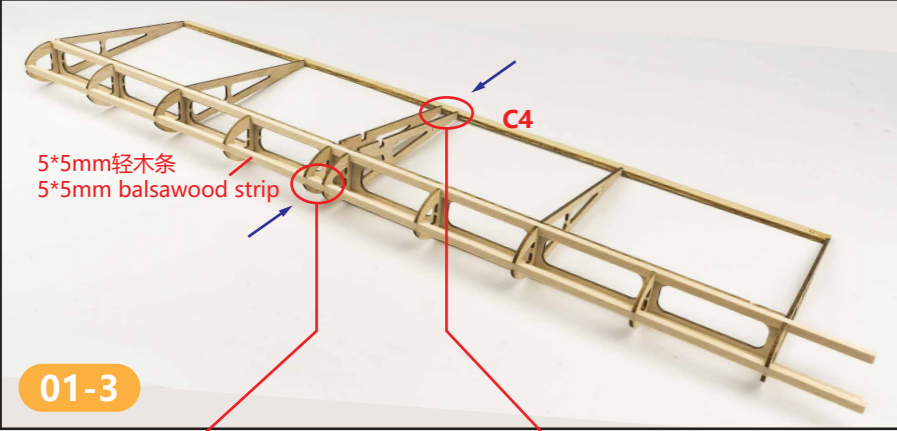
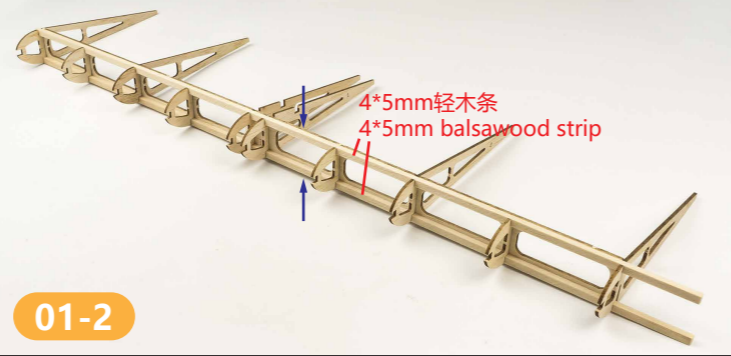
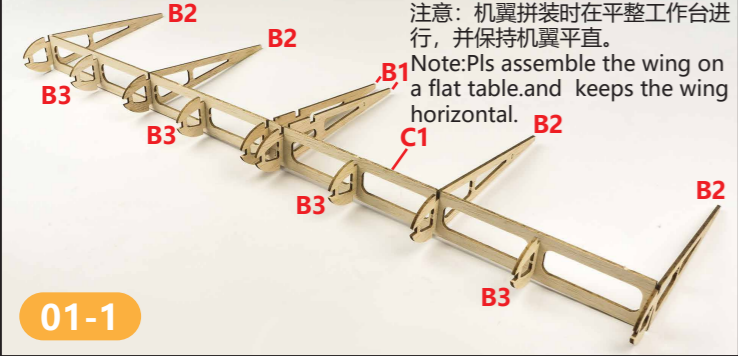
Suggested Motor: MM1904-1908 1500-2000KV
Suggested ESC: 20A
Suggested Servos: 5g*3pcs
Suggested Propeller: 7-8 inch
Suggested Battery: 2s 400-800mAh
Radio≥4CH

工具 Tools Needed



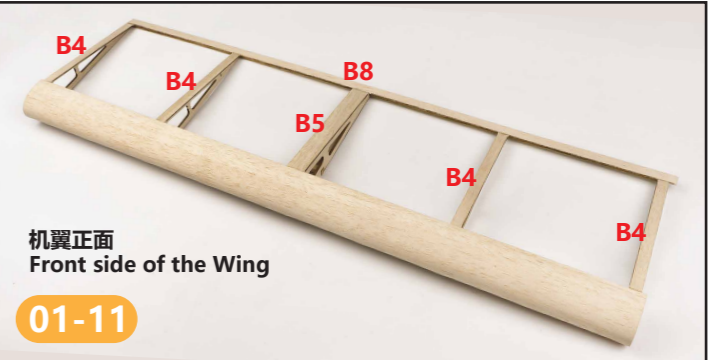
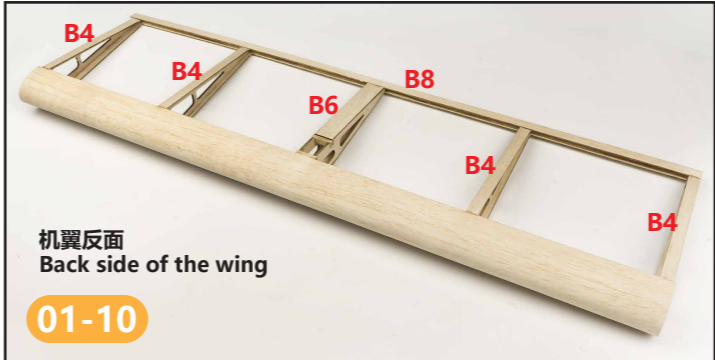
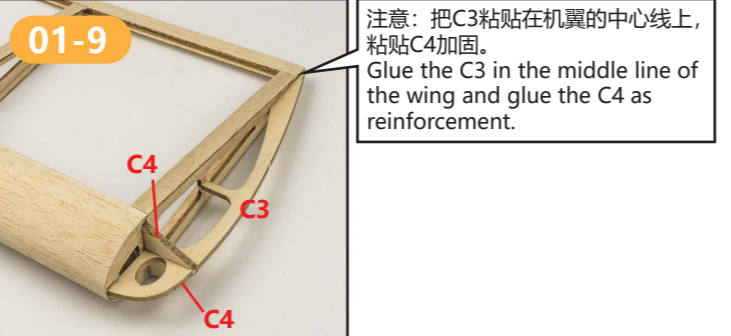
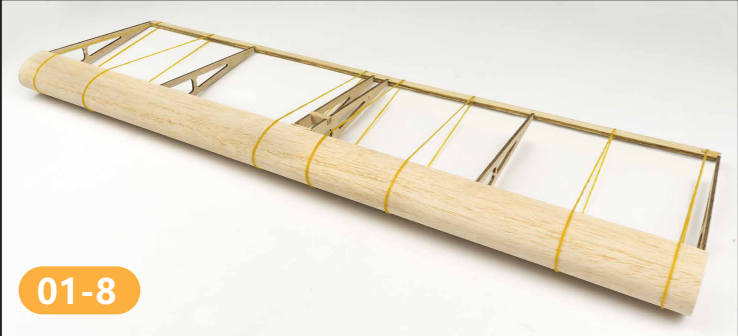
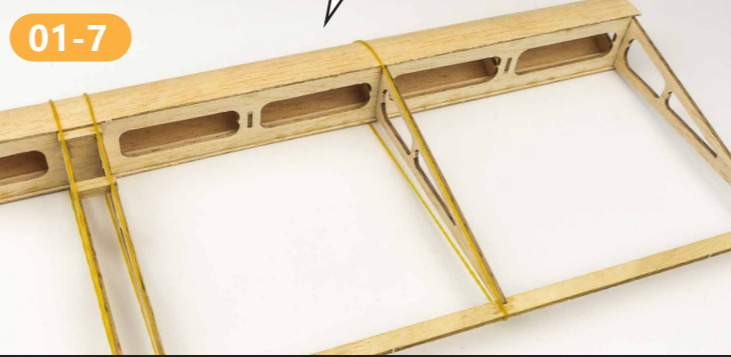
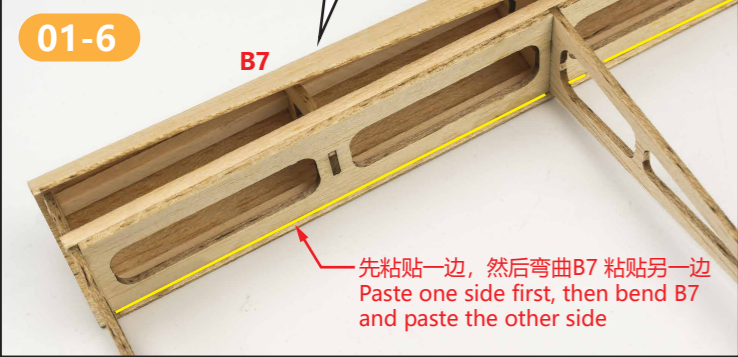
注意：木件用美工刀从板上取下，各连接点用快干胶定型，用白乳胶固定。
 Note: Take down the parts from the board by knife. pls use the fast dry adhesive as stablization to connect all joints and white latex as reinforcement.

01 机翼组装 Assemble the Wing

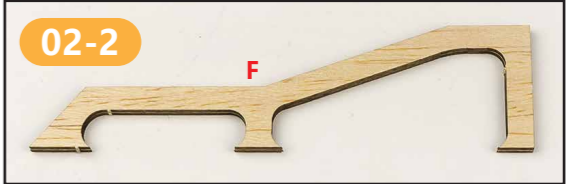
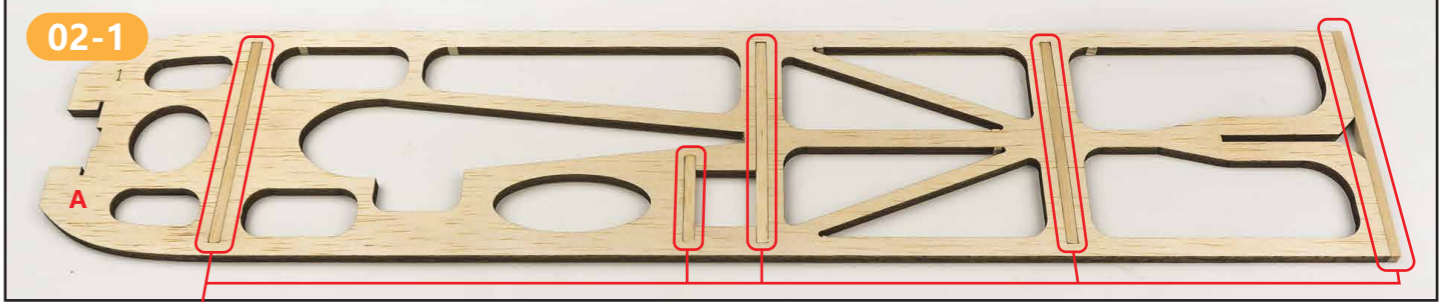


注意：粘贴B7蒙板时，请用少量水湿润蒙板，方便弯曲。
 Note: Moisten the covering board B7 with a little water for easy bending.

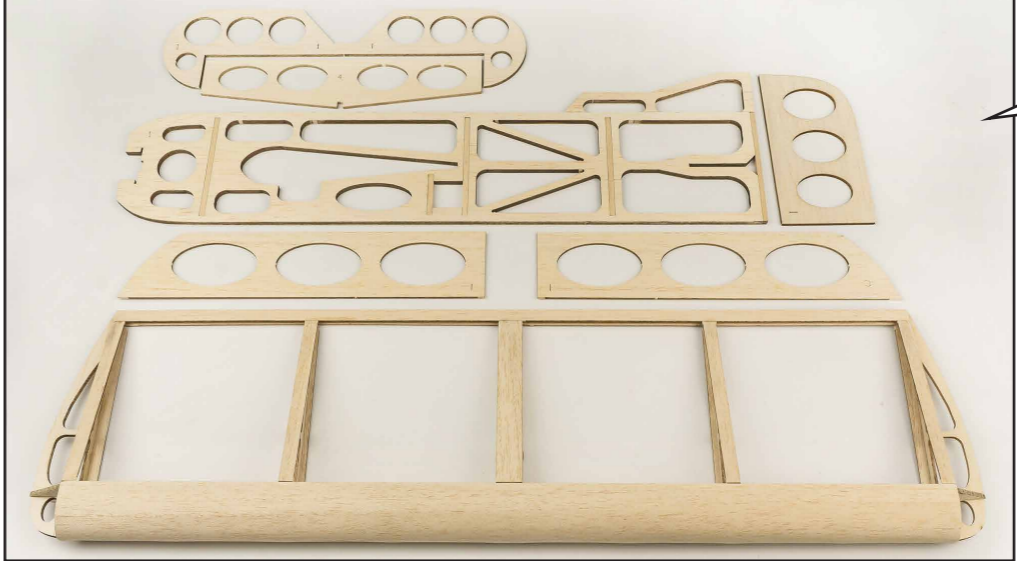
注意：粘贴B7蒙板时，涂完胶水后，可以用橡皮筋固定住，待胶水干后取下。
 Note: When pasting the B7 mask, after applying the glue, it can be fixed with rubber band. After the glue is dry, you remove it and paste again.



02 机身组装 Assemble the Fuselage



03 各部件完成 打磨 Finish the assembly and Polishing



完成各部件后，用砂纸打磨平滑，然后进行蒙皮操作，蒙皮完成后进行下一步安装。
 After completing the parts, polish them with sandpaper, then make a covering film, and then finish the next step after the film is finished.

04 安装电机, 舵机 Install the motor and servos



机翼中部
Middle part of the Wing

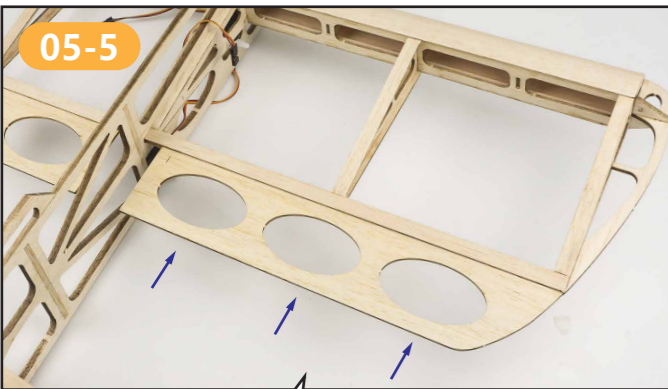
机身中部
Middle part of the fuselage

05 安装机翼, 尾翼 Assemble the wing and tail wing.



在方向舵升降舵上用美工刀切开小口, 插入纸合页。
Cut off a small opening on rudder and elevator, and insert the paper hinges.

机翼插入机身, 调整与机身垂直后, 连接处用胶水粘合固定。
The wing is inserted into the fuselage, make it vertical with fuselage, then fix the joints by glue.



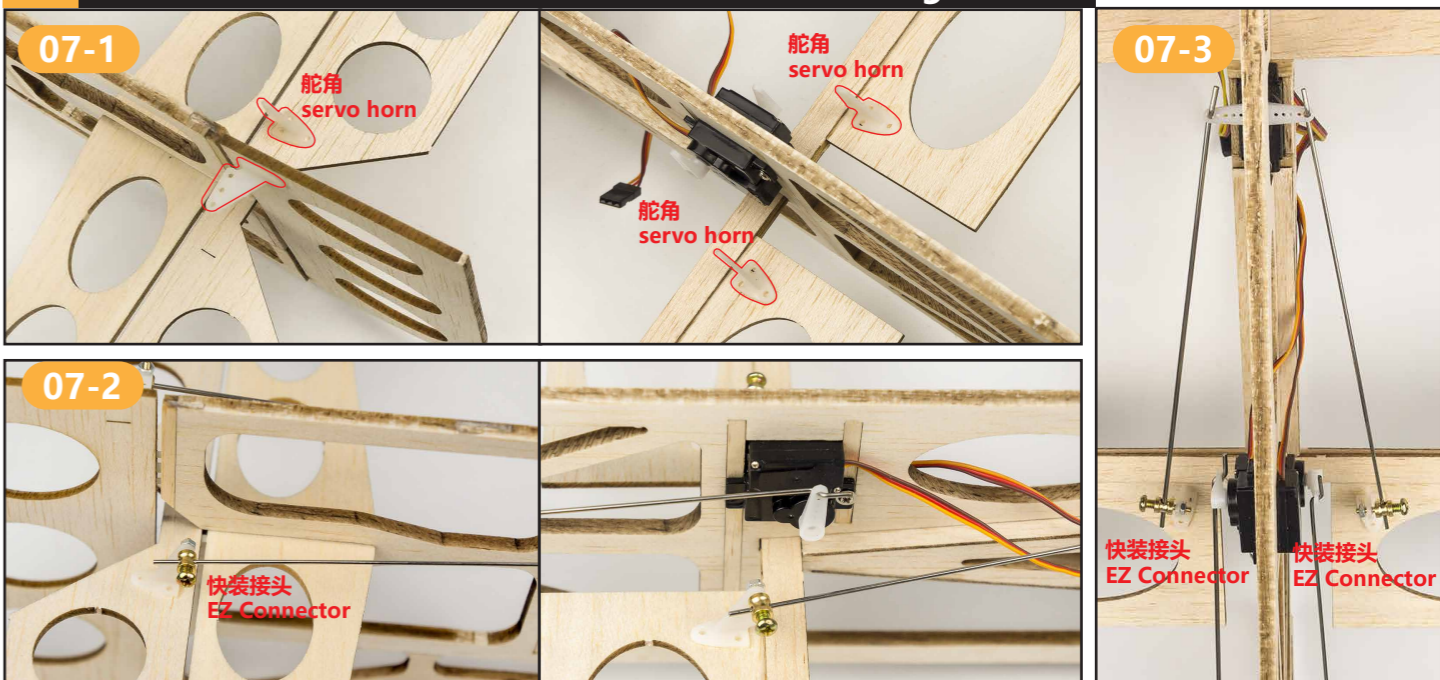
安装副翼, 用纸合页连接, 安装方法与步骤05-2相同。
Install the ailerons and connect them with paper hinges, the installation way is same as the step 05-2.

06 安装桨叶 Install the propeller

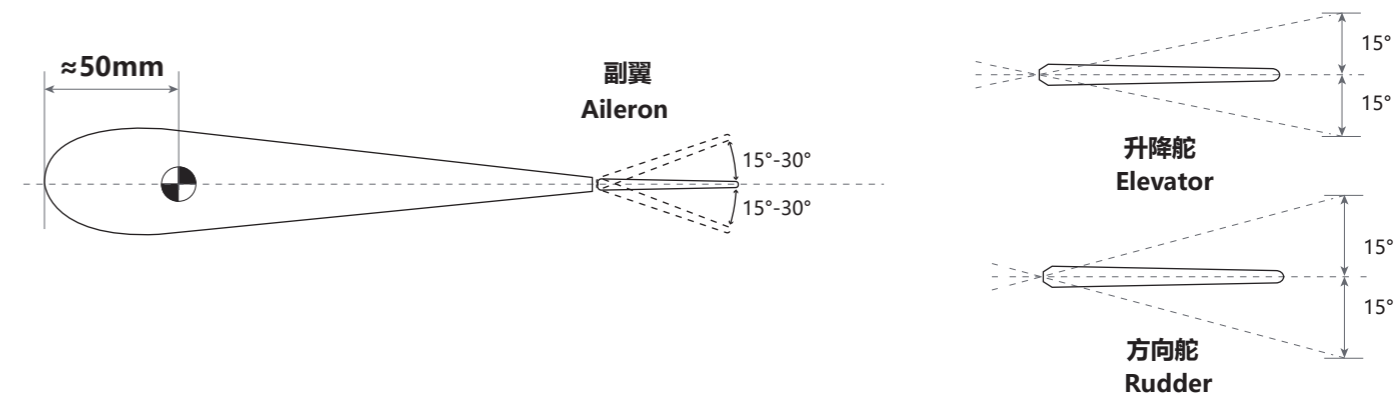


桨叶通过桨保护器固定到电机上。
Fix the propeller onto the motor by prop saver.

07 安装舵角, 连杆 Install the servo horns and linkage rods.

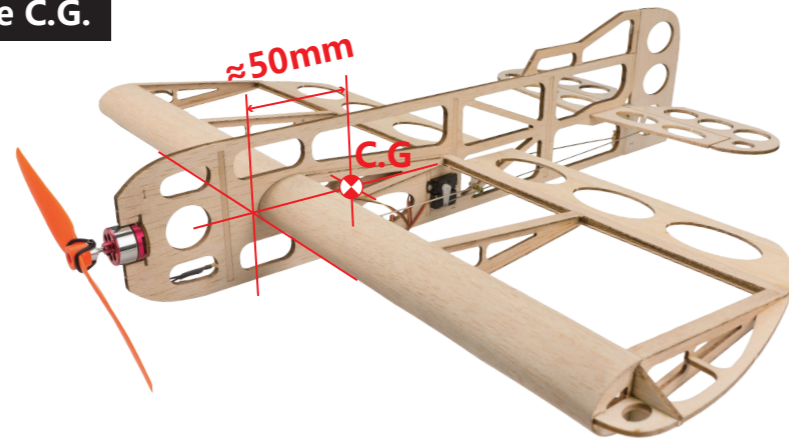


通常情况下, 舵面角度的设置如下:
Usually, the control throws set as below:

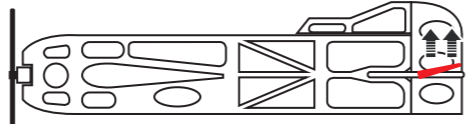

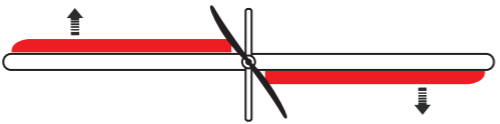
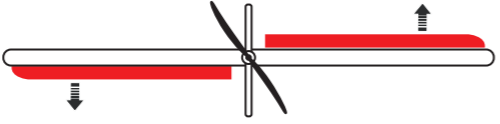

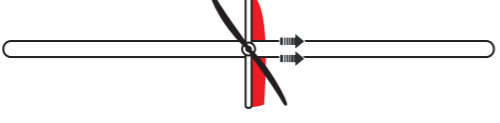


常规飞行(Normal Flying)	3D飞行 部分飞机支持(3D Flying only support some models)
副翼 Aileron ± (15°-30°)	±40° 或者更大(or larger)
平尾 Elevator ±15°	±40° 或者更大(or larger)
垂尾 Rudder ±15°	±40° 或者更大(or larger)
常用襟翼 Flap	(起飞 take-off) 15°-20° (降落 Landing) 20°-40°

部分特殊机型会有V型尾翼, 襟翼, 前缘机翼或舵面很小等, 可以以常规飞行的角度作为参考, 在您不确认且没有有经验人员指导的情况下, 我们建议您先以小角度试飞以确认您的设置是否正确。
Some special models will have V-tails, flaps, leading edge wings, etc., which can be used as a reference for conventional flight angles. If you do not confirm and there is no experienced person to guide you, we recommend that you first test at a small angle to confirm that your settings are correct.



地面控制方向测试
Control Directions Tests

	遥控器动作 Transmitter Command	飞机反应 Aircraft Reaction
升降舵 Elevator	升降杆下拉 Lifting rod down	
	升降杆上推 Lifting rod up	
副翼 Aileron	转向杆向右 Steering rod to the right	
	转向杆向左 Steering rod to the left	
方向舵 Rudder	方向杆向右 Direction rod to the right	
	方向杆向左 Direction rod to the left	

飞行前的建议
PRE-FLIGHT CHECKS

- 安装舵机前，请先将舵机通电让舵机中心点回中，以便能更好的调试舵面。
● Check/adjust servo centering, in order to adjust the control surface better.
- 初次启动电机，您需要确认电机旋转的方向以适配您的机型。
● Double-check the spinning direction of motor at first usage, and sure it's suitable for your model.
- 请将重心 (CG) 调整至说明书所述位置并尽量靠近。如果有需要，您可以增加机头或者机尾的重量，以确保机体有更好的飞行姿态。
● Set the center of gravity (CG) at the position that manual already marked out. If necessary, add weight to the nose or tail to ensure the best flight performance.
- 检查机身内部，确保所有设备正常连接；检查机身表面，包括但不限于蒙皮，固定螺丝，舱盖，座舱罩等位置。
● Double-check the inside of the fuselage, make sure all the equipments are correctly connected; Check the heat-shrink covering material's surface, Make certain all screws, bolts, cabin and canopy remain secure.
- 在飞行前，请检查您电池情况，若有低电压，电池损坏等情况，请您停止操作并马上更换电池。
● Take great care when connecting/disconnecting the battery, pls replace the battery immediately once found low voltage or damage to battery.
- 机身内部设备连接的方式，会和您的收发设备有关，在一些功能更多的收发设备上，您可以通过设置简化机身内部设备的连接。详细请查看您的收发设备以确认是否满足您需要的功能。
● The way the internal devices of the fuselage are connected will be related to your transmitter-receiver device. For those transmitter-receiver devices with more functions, you can simplify the connection of the internal devices of the fuselage. Check your device for details to see if it meets the features you need.
- 动力设备和收发设备第一次配对时，可能需要设置油门最大行程，请您自行设置。
● When the power system and transmitter-receiver device are paired for the first time, you may need to set the maximum stroke of the throttle. Please set it yourself.