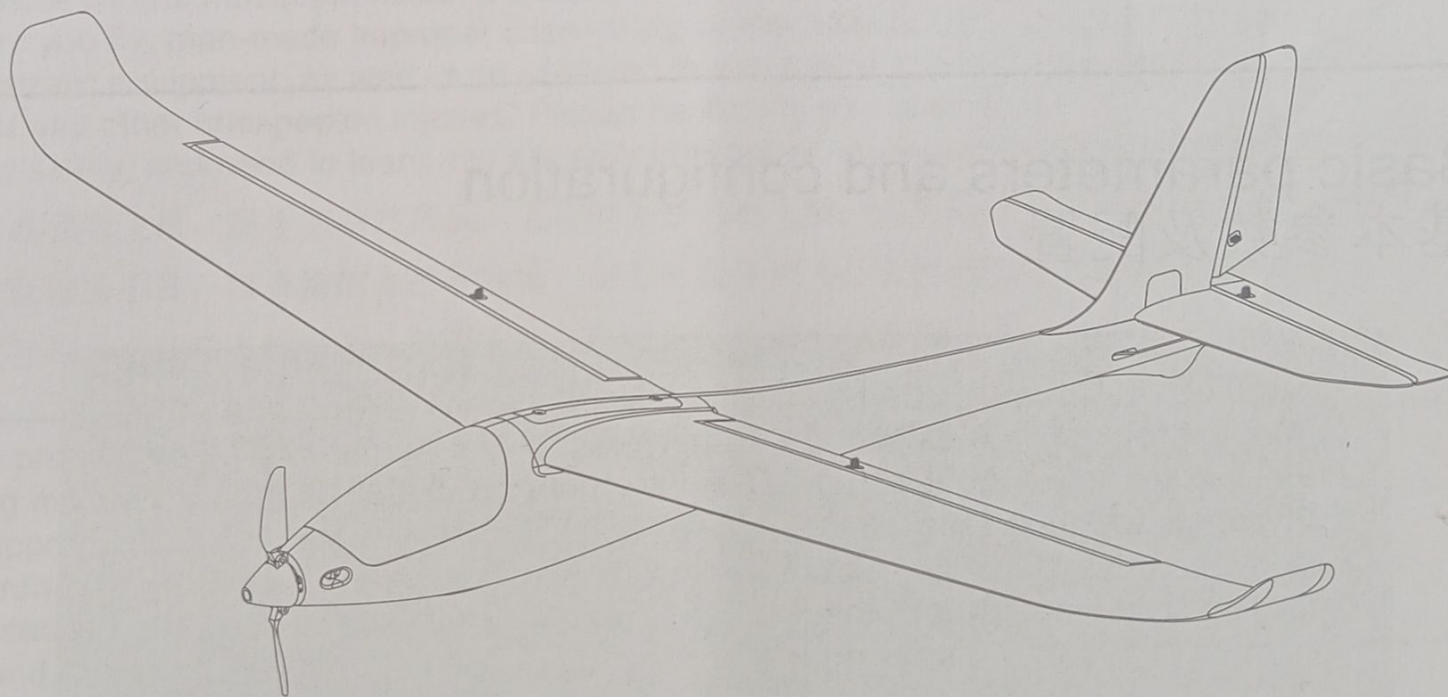
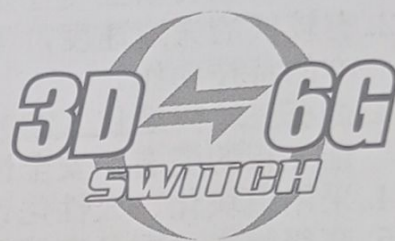




# A800

5CH 3D6G SYSTEM AIRPLANE

## 快速入门手册





## Product introduction 产品简介

1. Suitable for beginners and expert enthusiasts.
2. Low stall speed, stable flight, easy to control to achieve rolling, inverted flight, somersault and other aerobatic stunts.
3. With 3D 6G mode switch, to ensure the safety or actions of the flight.
4. Modular, user-friendly design, easy to carry and maintain, convenient wing disassembly
5. Advanced version can be equipped with high-definition camera and image transmission module, to achieve three functions of taking photos, videos and real-time transmission.
6. Extensive use of carbon fiber composite materials, to reduce the weight of the structure, meanwhile ensure a good structural strength of the flight.
7. Use the standard battery to glide and fly for about 20 minutes.

1. 适合初级及以上飞行爱好者。
2. 有较低的失速速度，飞行稳定，易于操控；可实现横滚、倒飞、筋斗等基本的特技动作。
3. 兼有三轴陀螺仪（3D）和六轴陀螺仪（6G）两种飞行模式及切换，同时保证飞行的姿态和安全性。
4. 采用模块化、人性化设计，易于携带和维护，机翼拆装方便。
5. 高级版本可配备高清摄像头和图传模块，同时实现拍照、录像、影像实时传输三种功能。
6. 大量使用碳纤维复合材料，在减轻结构重量的同时很好的保证了飞行时的结构强度。
7. 使用标配电池滑翔飞行约20分钟。

## Basic parameters and configuration 基本参数及配置

Parameter:		Configuration:	
1. Wingspan:	780MM	1. Battery:	300mAh 20C 7.4V
2. Full length:	530MM	2. Remote controller:	5 channels
3. Flying full weight:	110g		
4. Body material:	EPO		
5. Gliding flight time:	20 minutes		
参数:		配置:	
1. 翼展:	780MM	1. 电池:	300mAh 20C 7.4V
2. 全长:	530MM	2. 遥控器:	5通道
3. 飞行全重:	110g		
4. 主体材质:	EPO		
5. 滑翔飞行时间:	约20分钟		

## Packing list 包装清单

No. 序号	Name 名称	Quantity 数量	No. 序号	Name 名称	Quantity 数量	No. 序号	Name 名称	Quantity 数量
1	Color box 彩盒	1	6	Right wing 右机翼	1	11	Accessory kit 附件包	1
2	Foam box 发泡盒	1	7	Horizontal tail 平尾	1	12	USB charging cable USB充电线	1
3	Instruction 说明书	1	8	Vertical tail 垂尾	1	13	Screw 螺丝	3
4	Body 机身	1	9	Remote controller 遥控器	1			
5	Left wing 左机翼	1	10	Battery 电池	1			

## Safety precautions 安全注意事项

Remote control model airplanes, a hazardous goods, be sure to stay away from the crowd when you fly, man-made improper assembling or mechanical damage, poor control of electronic equipment, as well as on unskilled manipulation, are likely to lead to out of control flight and other unexpected injuries. Please be sure to pay attention to fly safely, and need to learn any accident responsibility caused for own negligence.

遥控器模型飞机，属于危险性商品，飞行时务必远离人群，人为组装不当或机件损坏，电子控制设备不良，以及操控上的不熟练，都有可能导致飞行失控损伤等不可预期的意外，请飞行者务必注意飞行安全，并需了解自负疏忽所造成任何意外之责任。

This product is suitable for outdoor and under wind condition less than Grade 4. When flying model aircraft, please select the proper outdoor space without obstacles, and maintain an appropriate distance away from the crowd or pet, do not operate in an unsafe environment, such as heat, wires, power supplies, to avoid collision, landing, entangled and cause a fire, electric shock or other hazardous loss of life and property.

本产品适合户外且风力小于4级条件下飞行，模型飞机飞行时请妥善选择无障碍物的室外场地，并与人群或宠物等到保持适当距离，切勿在不安全的环境下操作，如热源、电线、电源等等，以免像真机碰撞、迫降、纠缠而引发火灾、电击等危险，造成生命财产损失。





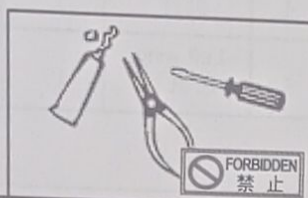
Airplane internal is made up of many precision electronic parts, it is absolutely necessary to prevent from moisture or water vapor, to avoid using in bathroom or rainy day, to prevent moisture from entering the inside body or electronic components and cause by unexpected danger!

机内部也是由许多精密的电子零件组成, 所以必须绝对的防止潮湿或水汽, 避免在浴室或雨天时使用, 防止水汽进入机身内部而导致机体及电子零件故障而引发不可预期的意外!



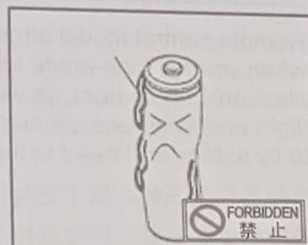
Do not disassemble, process, modify, upgrade or repair arbitrarily, please use parts in catalogue to ensure the safety of the structure. Make sure the operating clearance in the product, do not overload use, and do not use out of security, law or regulation or other illegal purposes.

请勿任意拆卸或任意改造加工, 任何的升级改造或维修, 请使用本产品目录中的零件, 以确保结构的安全。请确认於产品限界内操作, 请勿过载使用, 并勿用於安全、法令外其他非法用途。



Make sure that the positive and negative electrode position are correct, do not mix old and new batteries to avoid affecting the battery life. Batteries should be taken out if don't use for long time to avoid liquid leakage or any fault. If battery leakage do not use any more. Discarded appliances, please recycle according to the country or regional Waste Disposal Act of recycling, not to be discarded in order to avoid any pollution of the environment.

安装电池时请确认正负极位置新旧电池请勿同时混用以以免影响电池寿命。若长时间不使用本产品, 请取出电池, 以免造成电池漏液、故障。若电池有漏液状况请勿再使用。废弃的电器, 请依照该使用国家或地区的废弃物清理法令回收, 切勿任意丢弃以免污染环境。

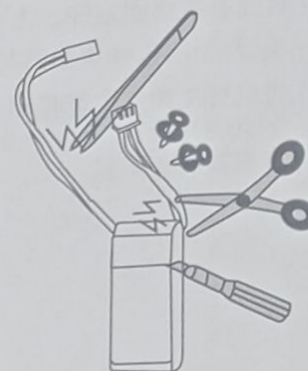


Lipo battery is more dangerous than any other battery. Be sure to read the following precautions before use and follow precautions when using this battery, the Company will not be liable for any damages caused by improper use.

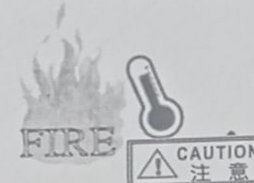
- (1. Do not use the charger to charge other than the original, in order to avoid the risk of explosion and fire occurred.
2. Do not crash, disassemble, reverse polarity, burning, avoid the metal object to touch the battery positive and negative which will cause short circuit. And prevent sharp objects to pierce the battery to avoid the risk of fire.
3. When charging, please be careful to ensure it charges in your sight. And away from children for touching to avoid danger.
4. If battery fevers, charging is forbidden. Otherwise it will cause the battery to swell, deform or even explode on fire, endangering the safety of life and property.
5. Waste batteries to use in strict accordance with the country's recovery Waste Disposal Act, so as not to pollute the environment.)

锂聚电池较与其他电池有更高的危险性, 使用前请务必详读并遵照下列注意事项使用本电池, 本公司将不对任何不当使用所造成的损害负责。

- (1. 严禁使用原厂以外的充电器进行充电, 以免发生爆炸起火的危险。
2. 严禁撞击、拆解、正负极反接、焚烧电池, 避免金属物品碰触电池正负极造成短路。并请防止尖锐的物品刺穿电池, 以避免电池起火的危险。
3. 充电时请谨慎小心, 确保在您的视线范围内进行充电。并远离幼童可以接触的地方, 以免发生危险。
4. 电池使用后如有发热情况, 严禁充电。否则会造成电池膨胀、变形、爆炸甚至起火燃烧, 危害生命财产的安全。
5. 废弃的电池请严格依照该使用国家或地区的废弃物清理法令回收, 以免污染环境。)



Keep away from heat and sunlight as much as possible to avoid deformation due to high temperatures or even the possibility of melting damage. 要尽量远离热源、日晒、以避免因高温而变形甚至熔毁损坏的可能。



This product uses ages over 14 years old, remote control glider has a certain degree of difficulty in the early stage of learning, want to skillfully control the model glider above the simulator can fly.

本产品适用年龄14岁以上, 遥控滑翔机在学习初期有着一定难度, 需要熟练操作模拟器上面的模型滑翔机可飞行。

## Installation procedure

### 安装步骤

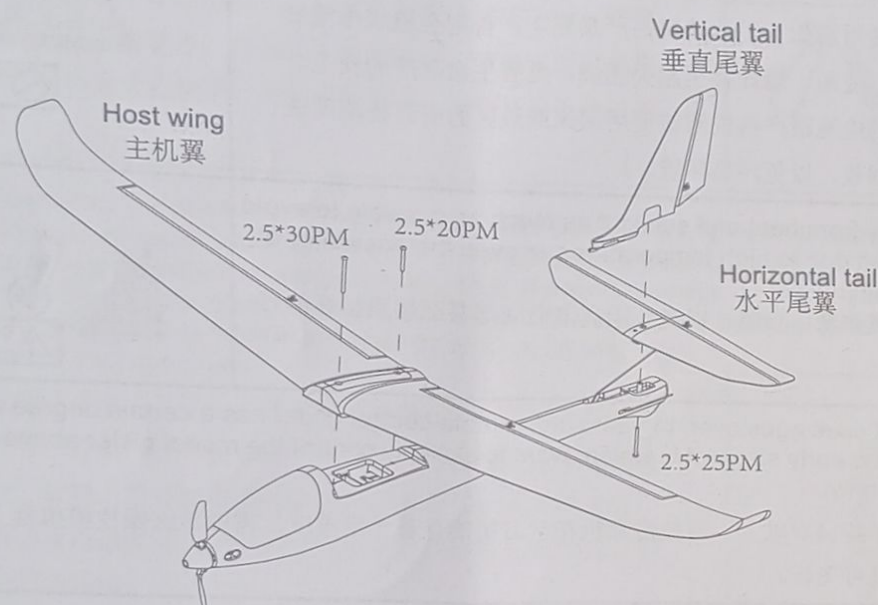
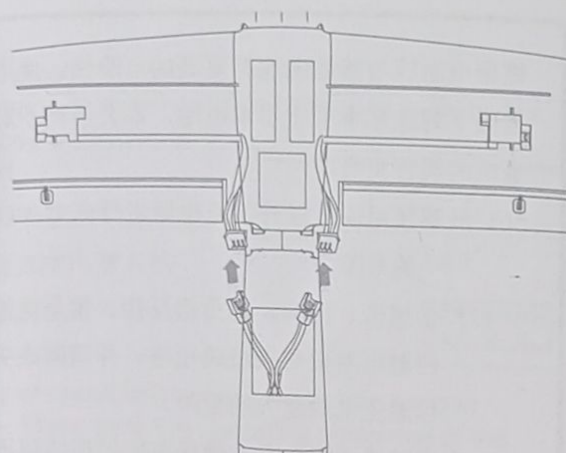
Main wing installation method:  
主机翼的安装方法:

1. Slide the left and right wing fasteners together and slide them together.
2. Ensure that the three fasteners are snapped at the same time;
3. Connect the two servo plugs on the wing to the plug seat of the fuselage;
4. Install the wing on the fuselage and fix the bolt with a screwdriver;





- 1.将左右机翼固定件，上下滑动卡在一起;
- 2.确保3个固定件卡扣同时扣紧;
- 3.将机翼上的两个舵机插头任意连接到机身的插头座上;
- 4.将机翼安装到机身上，并将螺栓用螺丝刀固定好;

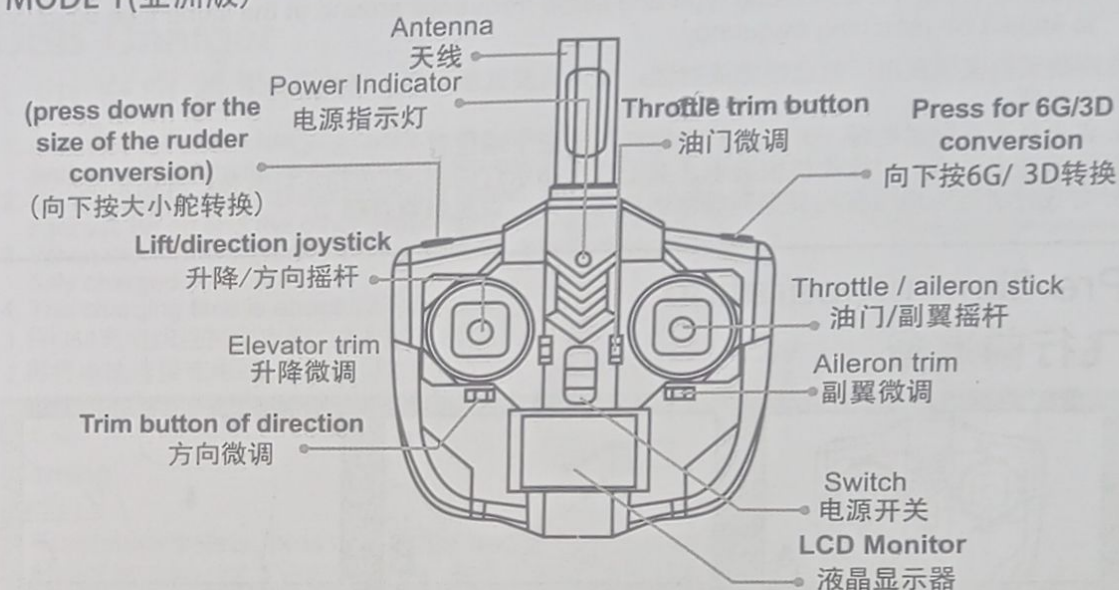


Tail installation method:  
尾翼的安装方法:

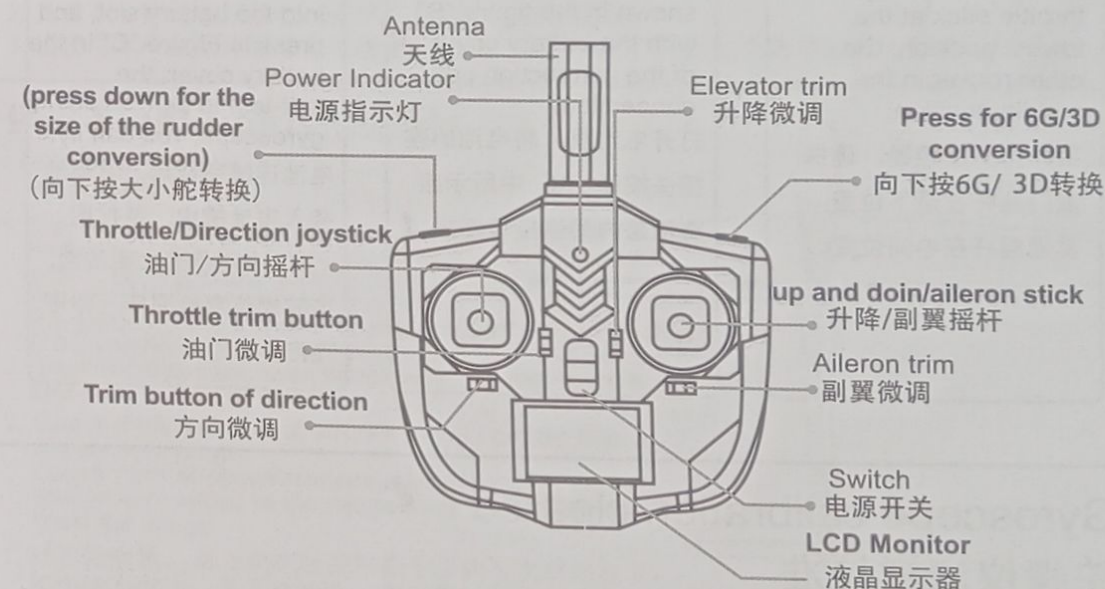
1. Install the horizontal tailplane in the direction of the fuselage;
  2. Install the vertical tailplane on the fuselage;
  3. Screw the bolt through the lower fuselage and the horizontal tail fins on the vertical tail rubber piece, then tighten the bolt;
  4. The active joints are buckled in the middle hole of the vertical tail and the rocker;
- 1.将水平尾翼按方向安装到机身上;
  - 2.将垂直尾翼安装在机身上;
  - 3.将螺栓穿过下机身、水平尾翼固定在垂直尾翼胶件上，然后将螺栓拧紧;
  - 4.将活络接头分别扣在垂尾和平尾摇臂的中间孔里;

## Name of remote controller parts 遥控器各部位名称

### MODE 1 (Asian version) MODE 1(亚洲版)



### MODE 2 (European version) MODE 2(欧洲版)





## Matching frequency guide of TX and receiver 遥控器与接收机对频说明

Model you bought has completed frequency matching at factory, if need to match frequency again, please follow the following tips:



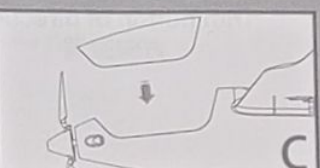
1. First, open power of TX, and pull throttle lever to the lowermost position.
2. Connect the power battery, power on the receiver board, the red indicator light on it is on, the frequency is completed
3. Avoid opening TX with same type and same frequency around at the same time so as not to impact on matching frequency.

你所购买的模型在出厂前已经完成对频, 如果需要重新对频, 请按照如下方法对频:

1. 首先打开遥控器电源, 并将油门操纵杆拉到最下端位置
2. 连接动力电池, 给接收机板通电, 其上红色指示灯闪亮, 红色指示灯长亮, 对频完成
3. 对频时请避免周围有同类型同频率遥控器打开, 以免影响对频

## Pre-flight preparation

### 飞行前准备

 <p><b>A</b></p>	 <p><b>B</b></p>	 <p><b>C</b></p>
<p>First, open the remote control, make sure the throttle stick at the lowest position, the other rocker in the middle position.</p> <p>首先打开遥控器, 确保油门摇杆在最下位置, 其他摇杆在中间位置。</p>	<p>Open the battery cover of the battery connector shown in the figure "B" with the battery cover of the connection port connection.</p> <p>打开电池盖, 将电池的接头按图 "B" 中所示跟电池盖内的连接口连接。</p>	<p>When the battery is connected, the battery into the battery slot, and press in Figure "C" in the battery cover, the self-test to be completed gyroscope, you can fly.</p> <p>电池连接完成后, 将电池装入电池槽内, 并按图 "C" 中所示盖上电池盖, 待陀螺仪自检完毕, 即可飞行。</p>

## Gyroscope calibration cleared

### 陀螺仪清零校准

Gyro with temperature changes or the cumulative error makes precision gyroscopes make changes so that the flight had a bias, we recommend the new calibration and cleared gyroscope.

1. Turn the remote control to power on the aircraft, the aircraft will be placed on a flat floor or table.
2. At this time, the red light of the aircraft signal light flashes rapidly. After the red light of the traffic light is on, the calibration of the gyroscope is completed.

陀螺仪随温度变化或累计误差使陀螺仪精度发生改变, 使飞行产生了偏差, 建议从新校准及清零陀螺仪。

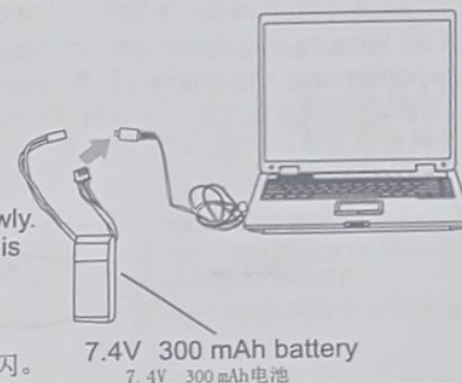
1. 先打开遥控器, 给飞机上电, 将飞机放置在平坦的地面或桌面上。
2. 此时飞机信号灯红灯快闪, 待信号灯红灯长亮后, 陀螺仪校准清零完成。



## USB Charger

### USB 充电器使用

1. Connect the USB charging cable to the computer, and the red light on the charging cable will light up.
  2. Connect the battery to the charging cable. The red light will be on and the other green light will flash slowly.
  3. When the red and green lights are all on, the battery is fully charged.
  4. The charging time is about 120 minutes.
1. 将USB充电线连接到电脑, 此时充电线红灯长亮。  
2. 再将电池连接充电线, 此时红灯常亮且另一个绿的慢闪。  
3. 当红灯与绿灯全部常亮时说明电池充满。  
4. 充电时间约120分钟。



### Warning:

#### 警告:

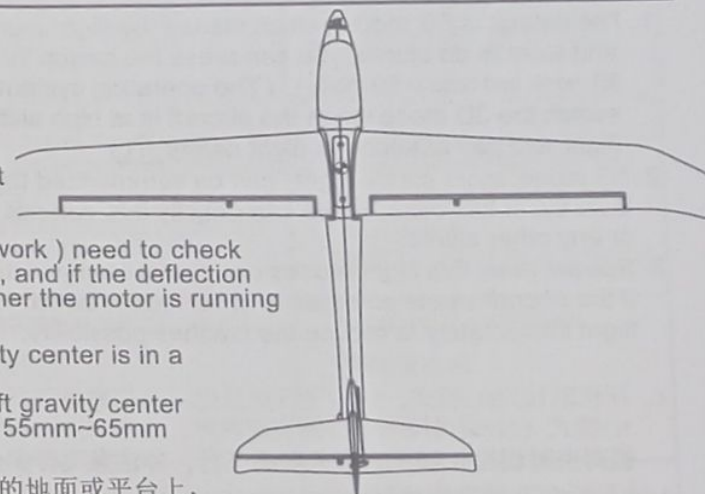
1. To ensure safety, please charge under guardianship.
  2. Children can not charge alone, and should charge in adult assistance.
  3. Use the product original standard charger, if using charger of unknown origin that may occur burning or explosion.
1. 为了确保安全, 请在有人监护下进行充电。  
2. 儿童不可独自进行充电, 要在成人协助下进行充电。  
3. 请使用本产品原装标配充电器进行充电, 使用来历不明的充电器可能发生燃烧爆炸事故。

## Pre-flight adjustments

### 飞行前调整

1. Turn on the transmitter, put the plane flatly on a clean flat platform, connect power battery, cover battery. Before the motor is running (in this case the gyroscope is not involved in the work) need to check if the rudder is in the neutral position, and if the deflection direction is correct, then check whether the motor is running smoothly.
2. Check if the position of aircraft gravity center is in a reasonable range:  
Under normal circumstances, aircraft gravity center should be located in the range from 55mm~65mm from the wings.

1. 打开发射机, 将飞机平放在平整干净的地面或平台上, 连接动力电池, 盖上电池盖。在电机运行之前 (此时陀螺仪未参与工作) 需要检查各舵面是否处于中立点位置, 且偏转方向是否正确, 然后再查看电机运行是否平顺。
2. 检查飞机重心位置是否处于合理范围:  
正常情况下, 飞机重心应该处于距机翼前缘55mm~65mm范围内:

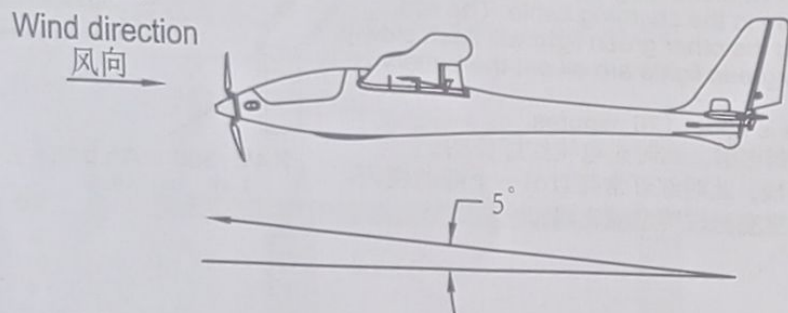




## Hand throwing takeoff right way 手掷起飞正确方法

As shown in the figure, against the wind, at full power, at an angle of  $5^\circ$ , try to throw the aircraft with force.  
如下图中所示, 逆着风向, 开足动力, 以 $5^\circ$ 的角度将飞机用力掷出。

(Note: aircraft took off under 6-axis mode, on condition of throwing correctly, the aircraft will automatically default to level off after about 5 seconds of flight climb attitude, after that, it will automatically fly flatly. Since aircraft has function of attitude correction, at this stage as long as the plane did not head drop, it is not recommended pull the elevator rocker, otherwise the plane will fly back down trend.)  
(注: 飞机以6轴模式起飞时, 正确投掷的前提下, 飞机默认以爬升姿态飞行5秒钟左右后会自动改平, 由于飞机有姿态修正功能, 此阶段只要飞机没有低头趋势, 建议不要向下拉升降舵摇杆, 否则飞机会有反向低头飞行的趋势。)



## 3D / 6G mode switch 3D/6G模式切换

1. The default is 6G mode, which makes the flight more stable. When you are skilled in flight and want to do stunts, you can press the switch button to 3D mode (Press the button twice in 3D mode, and once in 6G mode). **(The operating system is more sensitive in 3D mode. Please switch the 3D mode when the aircraft is at high altitude to familiarize yourself with the flight and pay attention to flight safety ⚠)**
  2. 6G mode: more stable flight, can be summarized the mode of steady and holding when level fly, in this case, plane can only fly flat, can not roll, inverted fly, side fly, somersaults or any other stunts.
  3. Special note: this flight modes can be arbitrarily switched by a switch as the following figure, if the aircraft cause emergency in 3D mode, switch to mode of 6G made the aircraft to level flight immediately to reduce the crashes possibility.
1. 开机默认为6G模式, 这样飞行更稳定。当你熟练飞行后想做特技动作, 可以按下转换按键到3D模式 (3D模式按一下按键滴滴两声, 6G模式响一声)。(3D模式下操作系比较灵敏, 请将飞机高空时切换3D模式, 以便熟悉飞行, 并注意飞行安全 ⚠)
  2. 6G模式: 飞行更加稳定, 可简单概括为 飞机平飞姿态的增稳和保持模式, 在此模式下飞机只能平飞, 不能做横滚、倒飞、侧飞、筋斗等特技动作
  3. 特别说明: 飞行中此两种模式可通过如上图中的切换开关进行任意切换, 如果飞机在3D模式下出现紧急情况, 切换为6G模式可使飞机立即改为平飞, 减少摔机的可能性。

## Troubleshooting guide 排除故障及异常情况

Situation 状况	Reason 原因	Countermeasure 对策
After power, aircraft lights flash and manipulate without response 飞机上电后信号灯闪动, 操作无反应	Remote control and aircraft match code unsuccessfully 遥控器与飞机对码绑定不成功	Re-match code according to steps of matching code showed in page 7 按第7页内的温馨提醒中的对码绑定步骤重新对码
After power on, gyroscope began to work before motor starts 飞机上电后未启动马达陀螺仪就开始工作	Power on the plane when the throttle stick is not in the lowest position or throttle trim is too high 飞机上电时油门摇杆未在最低位置或油门微调过高	Pull throttle stick in the correct position, power on again after the throttle trim is back to the midpoint 将油门摇杆放到正确位置, 将油门微调回到中点后从新上电
After power on, the plane does not turn when pushing the throttle, steering lights work properly 飞机上电后推动油门不转, 信号灯正常舵机工作正常	The battery is too low 电池电量过低	Charge the battery or replace the charged battery 将电池充电或更换有电的电池
Individual rudder servo block when manipulating the joystick 摇杆操纵时个别舵机出现卡舵现象	Steering gear teeth to be less 舵机齿轮出现少齿	Replace the faulty steering 更换有问题的舵机
Powerful vibration when the motor is running 马达运转时震动的很厉害	The propeller blade is deformed, the positioning of the propeller hoop and the motor is not firm or the propeller hoop is broken, the motor fixing seat is loose, and the motor shaft is damaged 桨叶变形, 桨箍与马达定位不牢或桨箍断裂, 马达固定座松脱, 马达轴撞坏	Replace the faulty propeller blades and propeller hoop, fix the propeller hoop firmly, fix the motor fixing seat firmly, replace the motor 更换有问题的桨叶及桨箍, 将桨箍固定牢固, 将马达固定座固定牢固, 更换马达
Model yaw fly, can not fly straight 模型飞起来偏舵, 不能直线飞行	Rudder is not in the center position, gyroscope accumulated error is big 舵面没有在居中位置, 陀螺仪累计误差大	1. Turn the rudder back to center 2. Gyroscope be reset to 0 and adjusted according to Page 7 1. 将舵面回中 2. 按第7页中的陀螺仪清零校准
Plane fly but gyroscope has no reaction, can not repair normally 飞机飞起来陀螺仪无动作, 不能正常修复	Gyroscope is out of control 陀螺仪失灵	Replace the receiver 更换接收机
The plane is still in operation when the plane lands or the throttle stick is in the lowest position 飞机降落, 或油门摇杆在最低位置, 马达仍在运转	During flight, mistakenly raised throttle trim 飞行中误将油门微调调高	Turn the throttle trim back to the mid-point 将油门微调调回中点



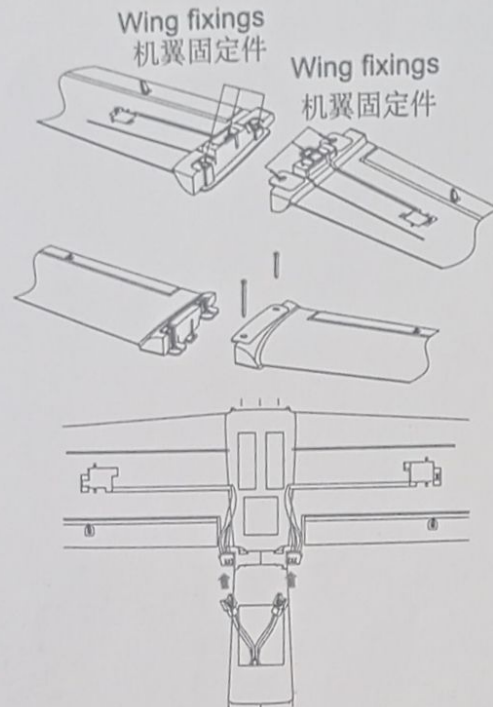
# Glider Installation Procedure

## 滑翔机安装步骤

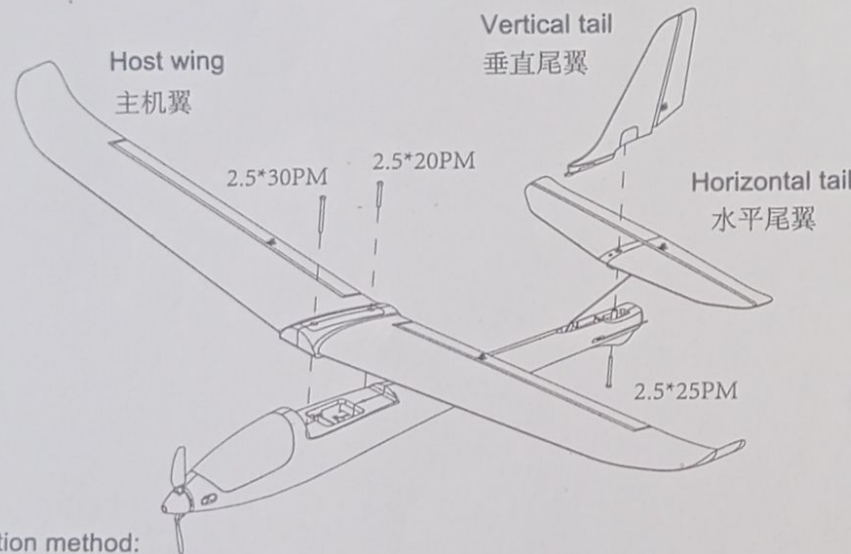
### Main wing installation method:

#### 主机翼的安装方法:

1. Slide the left and right wing fasteners together and slide them together.
2. Ensure that the three fasteners are snapped at the same time;
3. Connect the two servo plugs on the wing to the plug seat of the fuselage;
4. Install the wing on the fuselage and fix the bolt with a screwdriver;



1. 将左右机翼固定件，上下滑动卡在一起;
2. 确保3个固定件卡扣同时扣紧;
3. 将机翼上的两个舵机插头任意连接到机身的插头座上;
4. 将机翼安装到机身上，并将螺栓用螺丝刀固定好;



### Tail installation method:

#### 尾翼的安装方法:

1. Install the horizontal tailplane in the direction of the fuselage;
2. Install the vertical tailplane on the fuselage;
3. Screw the bolt through the lower fuselage and the horizontal tail fins on the vertical tail rubber piece, then tighten the bolt;
4. The active joints are buckled in the middle hole of the vertical tail and the rocker;

1. 将水平尾翼按方向安装到机身上;
2. 将垂直尾翼安装在机身上;
3. 将螺栓穿过下机身、水平尾翼固定在垂直尾翼胶件上，然后将螺栓拧紧;
4. 将活络接头分别扣在垂尾和平尾摇臂的中间孔里;

# A800 Glider Motor Installation Procedure

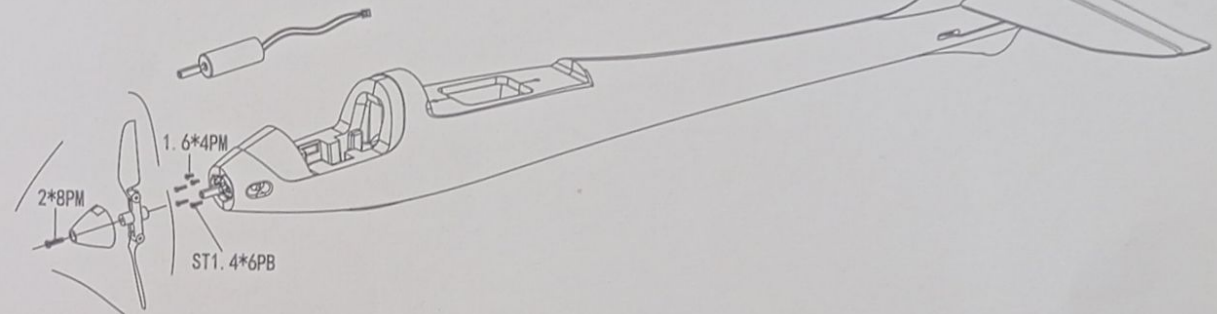
## A800滑翔机马达安装步骤

### Propeller assembly installation method:

#### 螺旋桨组件的安装方法:

1. Install the propeller assembly as shown in the clip holder;
2. Fix the 2\*8PM screws on the paddle holder and tighten it with a screwdriver to ensure that there is no looseness.

1. 将螺旋桨组件分别按图示安装在桨夹固定套上;
2. 将2\*8PM螺丝固定在桨夹固定套上，并用螺丝刀拧紧，保证固定牢靠没有松动;



### Motor installation and replacement method:

#### 马达安装拆换的方法:

1. Remove the 2\*8PM screw first, then remove the fairing and propeller group;
2. Remove the ST1.4\*6PB and 1.6\*4PM screws from the motor mount and motor, respectively, and save the motor mount and screws;
3. Carefully remove the motor plug from the receiving plate and remove the motor;
4. Install the new motor assembly on the motor mount. Fix the two 1.6\*4PM screws through the motor mounts on the motor and firmly secure them. Then secure the three ST1.4\*6 screws through the motor mounts. The motor seat, and fixed firmly;
5. Mount the propeller set and fairing on the paddle clamp and tighten the 2\*8PM screws;
6. Fix the motor plug on the receiving plate, pay attention to the direction of the plug when installing;
7. Installation is complete;

1. 先将2\*8PM螺丝取下，再将整流罩和螺旋桨组取下;
2. 分别将ST1. 4\*6PB和1. 6\*4PM的螺丝从马达固定座和马达上拆下，并将马达固定件和螺丝保存好;
3. 将马达插头从接收板上小心拆下，然后将马达取出;
4. 将新马达组安装至马达座上，将两颗1. 6\*4PM螺丝穿过马达固定件固定在马达上，并固定牢靠，然后将3颗ST1. 4\*6螺丝穿过马达固定件固定在马达座上，并固定牢靠;
5. 将螺旋桨组和整流罩安装在桨夹固定套上，并将2\*8PM螺丝固定紧;
6. 将马达插头固定在接收板上，安装时注意插头方向;
7. 安装完成;



# Glider Installation Procedure

滑翔机安装

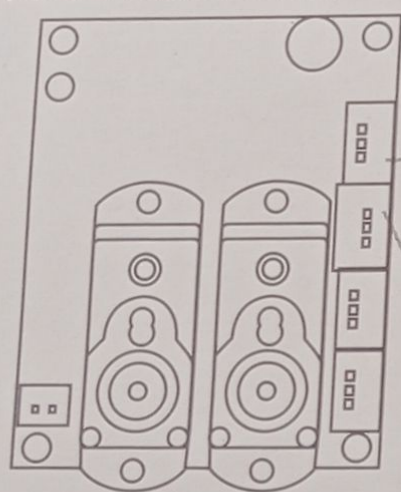
Procedure

## Special reminder

### 特别提醒

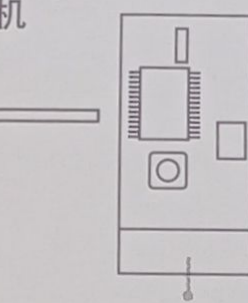
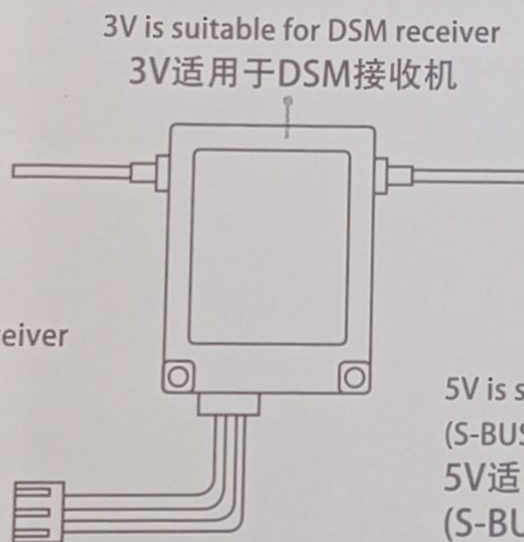
The original receiving board and the transmitting board of A800 are out of stock due to IC electronic materials. This insert is added to remind the new receiving function to distinguish, and the basic operations are the same. The remote control function button prompts are subject to the actual product. The new electronic board and the old non-universal receiver adopt GFSK communication mode, and two receiver conversion sockets are added. 5V is suitable for FUTABA (S-BUS) and other receivers with (S-BUS) ports, 3V is suitable for DSM receivers; other remote controls can be used to control the aircraft through conversion, and other remote controls must first set the 5th channel. The switch position can be set by the user according to their own flight needs, and the 3D lock mode or 6G attitude mode can be switched by the switch. Be careful not to insert the wrong position to avoid burning the receiving board due to incorrect voltage.

A800原接收板跟发射板因IC电子物料缺货，特加此插页提醒新接收功能区分，基本操作都一样。遥控功能按键提示以实物为准，新电子板与旧的不通用接收机采用GFSK通信方式，新增两个接收机转换插座。5V适用于FUTABA(S-BUS)跟其它带(S-BUS)端口的接收机，3V适用于DSM接收机；通过转换可实现用其它遥控操控飞机，其它遥控器要先设置第5通道开关位置，用户可根据自己飞行需要来设定，通过开关切换3D锁定模式或6G姿态模式。一定要注意不要插错位置，避免导致电压不对烧坏接收板。



5V is suitable for FUTABA  
(S-BUS) receiver  
5V适用于FUTABA  
(S-BUS) 接收机

3V is suitable for DSM receiver  
3V适用于DSM接收机



5V is suitable for FUTABA  
(S-BUS) receiver  
5V适用于FUTABA  
(S-BUS) 接收机