14+

SKY CHALLENGER

# SWIFT-ONE

Bring you a lot of fun during the flying operation


**NO. QIDI-550**

## SPECIFICATIONS

Wingspan----------50cm
Fuselage length--------62cm
Takeoff weight----------140g
Motor----------2004KV2800
Electric regulation----12-15A
Steering gear---------3.7g x3

Remote control----------5 channels
Flight control system-------6 axis gyroscope
Propeller size---6 x 3cm( 2-blade propeller)
Lithium battery----------7.4V 400mAH
Continuous flight time----------8-10minutes

**2.4Ghz RC**

Dual Vertical Modes · 3D Aerobatic Flying

(使用说明书)
(INSTRUCTION MANUAL)

## ⚠ 安全忠告及注意事项 这是无线遥控模型并不是玩具!

- 如果你是一名新手或者是第一次接触遥控模型，请在组装、操控模型前寻求富有经验的模型爱好者、模型店的帮助，以令商品的性能可完美发挥。
- 请勿在小孩可以触及到的地方组装、操控模型。
- 在操控这架模型之前请先确定好一个安全的场所，以及安全方面的准备工作，因为在模型的安全上你负有完全的责任。
- 请妥善保管好你的组装说明手册。

## ⚠ SAFETY PRECAUTIONS This radio control model is not a toy.

- First-time builders should seek the advice of experienced modellers before commencing assembly and if they do not fully understand any part of the construction.
- Assemble this kit only in places out of children's reach!
- Take enough safety precautions prior to operating this model.You are responsible for this model's assembly and safe operation!
- Always keep this instruction manual ready at hand for quick reference, even after completing the assembly.

## 警 告 ⚠ WARNING:

本产品含有小零件请勿让三岁以下儿童玩耍； 本品含电子元件，不得入水或在潮湿环境下使用；电池充电器应定期检查其电线、 插头、外壳和其他部件是否损坏，发现损坏时应停止使用。

Choking hazard! This product contains small parts. NOT suitable for children under 3 years. Contains electrical components and should be kept dry at all times. Regularly check the battery charger wires, plugs and shell and other components for damage. DO NOT use if any part is damaged.

## 充电和电池注意事项
## Charging and battery cautions

1. 模型使用一组 7.4V 可充电电池组；
2. 安装或更换电池时请注意正负极；
3. 充电电池只能在成人监护下充电；
4. 不可混用新旧或不同型号的电池；
5. 电池电量用尽后，应从模型内取出；
6. 接线端不应短路；
7. 非充电电池不可充电；
8. 充电电池充电前应从模型中取出；
9. 请不要将坏的电池、电池组分解或扔到火中、水里，以免发生意外；
10. 充电器的额定输入电压必须与当地的家用电压相符；
11. 在充电过程中，充电器和电池出现微温，属于正常现象。

1. Model uses a set of 7.4V rechargeable batteries.
2. Please pay attention to correct polarity when replace batteries.
3. Charge battery should be under adult supervision.
4. DO NOT use a mix of old and new or different types of battery.
5. Please remove the battery when flying finished.
6. DO NOT short circuit.
7. DO NOT attempt to charge non rechargeable batteries.
8. Remove batteries from the model when charging.
9. DO NOT put batteries into a fire or into water.
10. The rated input voltage battery charger MUST be suitable for your home power voltage.
11. During charging, it is quite normal for the charger and batteries to heat up.

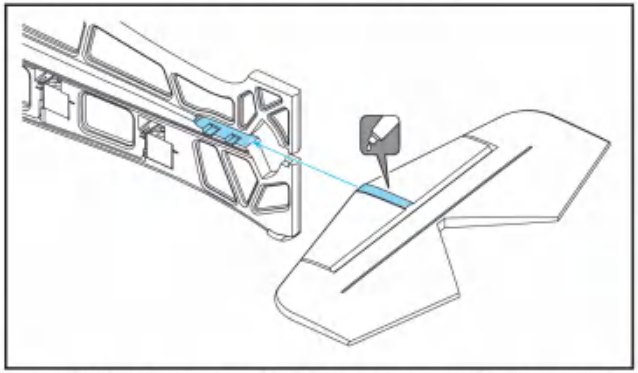
## 注意事项
## Cautions

1. 可拆卸的小零件要放好，千万不可让小孩吞食。
2. 如操作场地有电波干扰，请另选场地操作。
3. 遥控器电源低电时，请立即停止操作。
4. 对拆除后的包装物，请不要随地丢弃，以免污染环境卫生。
5. 请将您的遥控模型存放在干燥,阴凉的地方。
6. 不要置于近火和高温、潮湿的地方储存。
7. 当电池被水浸湿，请将水分充分地擦拭干净，如有变形，请停止使用。

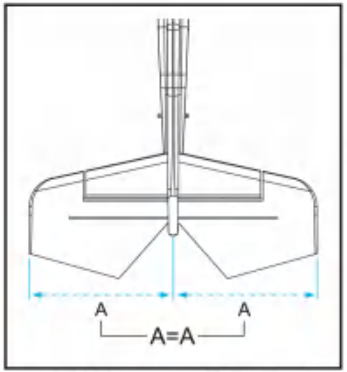
1. Detachable small parts should be stored safely and out of reach of children.
2. If interference is experienced, turn the model off and try it again in a different area.
3. Remote control will not function correctly if the batteries are low. Please replace the batteries.
4. Please discard old/used batteries in a safe manner. Consider your environment!
5. Please store the remote control in cool, dry place.
6. DO NOT expose to fire or high temperatures, moist storage.
7. Should the battery get wet, wipe immediately with a soft dry cloth. If transformed, please stop usage.

⚠ 注意 Caution: 产品改良、外观变更、恕不另行通知
Specifications are subject to change without notice

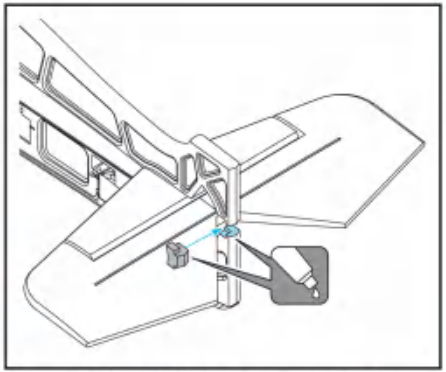
## 1. 组装说明 ASSEMBLY INSTRUCTIONS



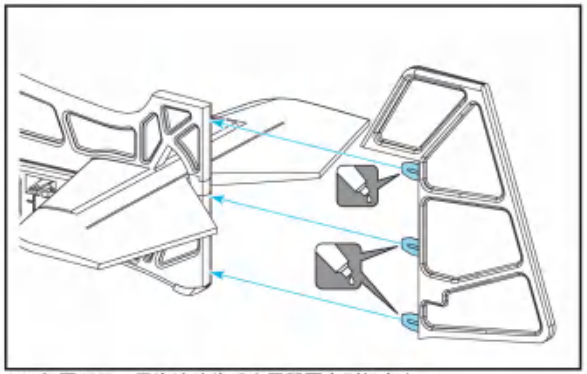
(1). 如图所示，用泡沫胶将水平尾翼固定到机身上。（水平尾翼需安装到底）
Insert and glue the horizontal tail wing tightly on the body as shown in figure.



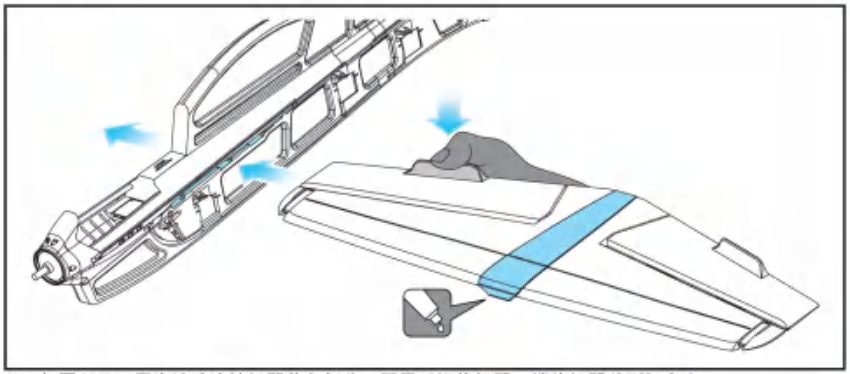

(2). 如图所示，检查水平尾翼是否对称。
Check if the horizontal tail wing is symmetrical.



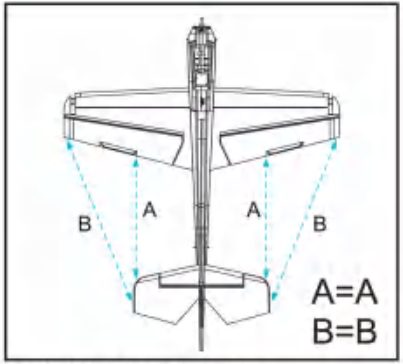
(3). 如图所示，用泡沫胶将配件固定到机身上。
Glue a foam on the end of the plane body.



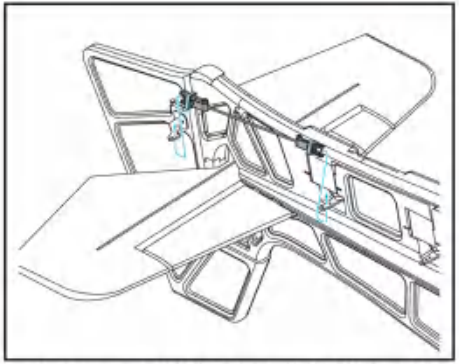
(4). 如图所示，用泡沫胶将垂直尾翼固定到机身上。
Insert and glue the vertical tail wing on the plane body tightly.



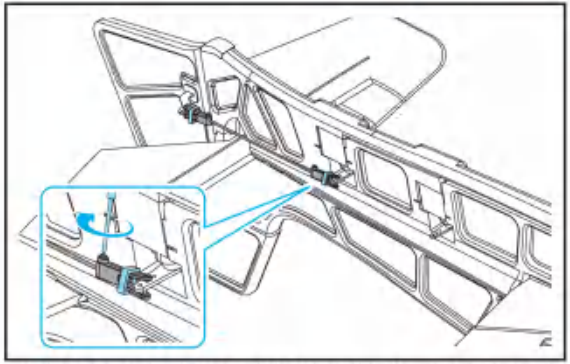
(5). 如图所示，用泡沫胶涂抹机翼蓝色部分，再用手捏住机翼一端将机翼装到机身上。
As shown in the figure, apply foam glue to the blue part of the wing, and then pinch one end of the wing to install the wing into the fuselage.



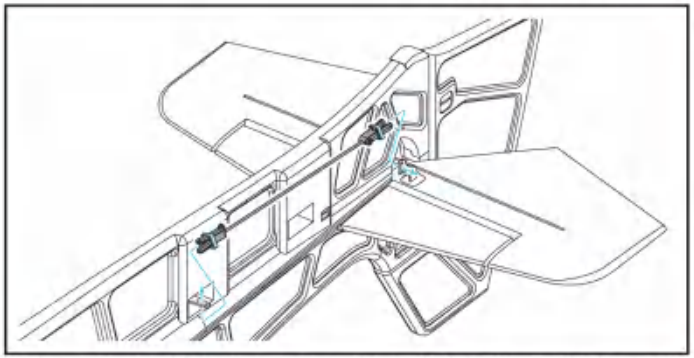

(6). 检查机翼是否安装对称垂直。
Check all the wings if are fixed symmetrically and vertically.



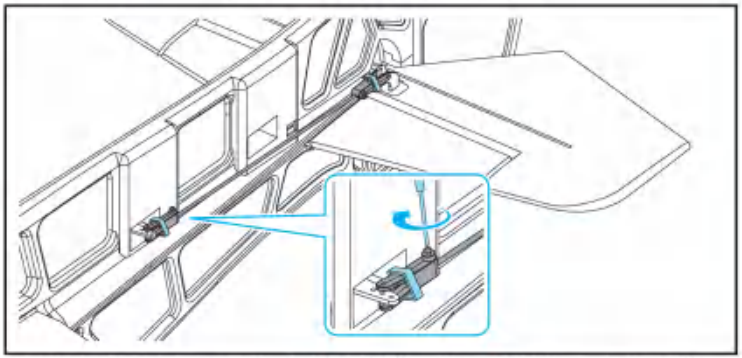
(7). 如图所示，先将橡皮圈套上两边的推拉杆，再将推拉杆安装到机身和垂直尾翼的舵角上。
As shown in the figure, first put the rubber ring on both sides of the push rod, and then install the push rod on the rudder angle on the vertical tail.



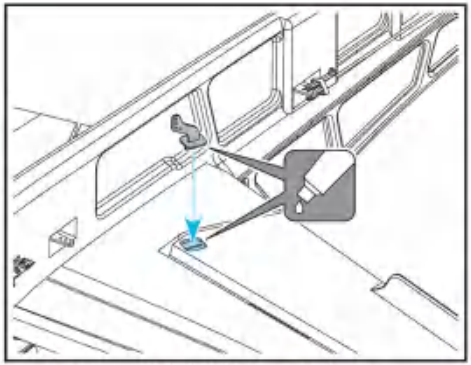
(8). 完成如图(用十字螺丝刀调整推拉杆上的螺丝，让垂直尾翼的水平，再拧紧螺丝)。
Complete as shown in the figure (use a cross screwdriver to adjust the screws on the push rod to make the vertical tail horizontal, and then tighten the screws).



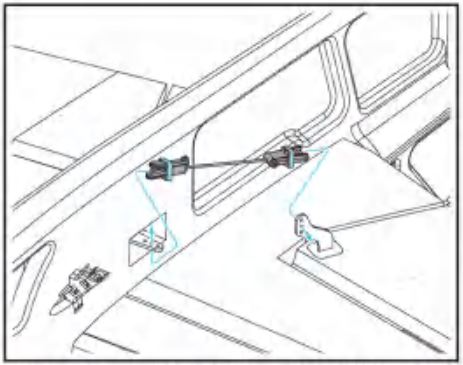
(9). 如图所示，先将橡皮圈套上两边的推拉杆，再将推拉杆安装到机身和水平尾翼的舵角上。
As shown in the figure, first put the rubber ring on both sides of the push rod, and then install the push rod on the rudder angle on the fuselage and the horizontal tail.



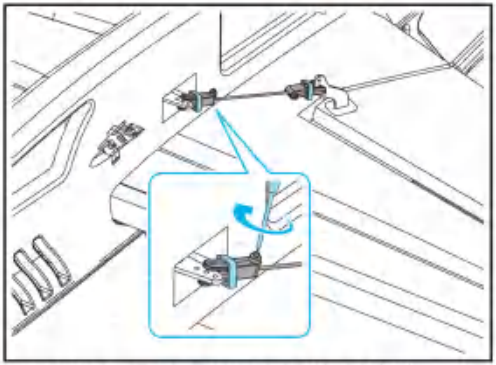
(10). 完成如图(用十字螺丝刀调整推拉杆上的螺丝，让水平尾翼的水平，再拧紧螺丝)。
Complete as shown in the figure (use a cross screwdriver to adjust the screws on the push rod to level the horizontal tail, and then tighten the screws).



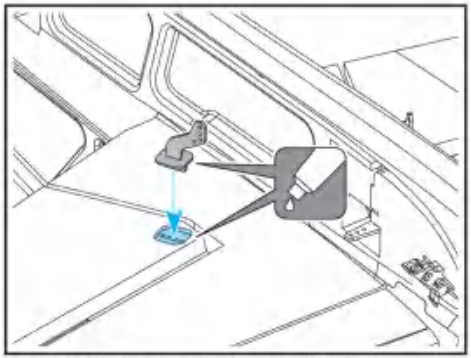
(11). 如图所示，用泡沫胶将舵角固定到机翼上。
As shown in the figure, fix the rudder angle on the wing with foam glue.



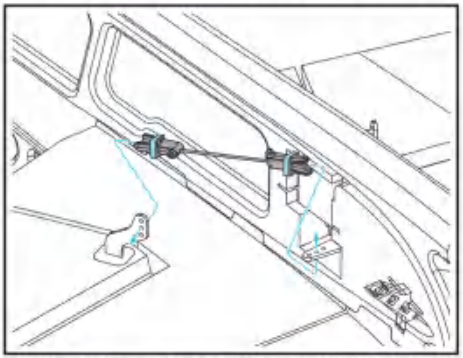
(12). 如图所示，先将橡皮圈套上两边的推拉杆，再将推拉杆安装到机身和机翼的舵角上。
As shown in the figure, first put the rubber ring on both sides of the push rod, and then install the push rod on the rudder angle on the fuselage and wing.



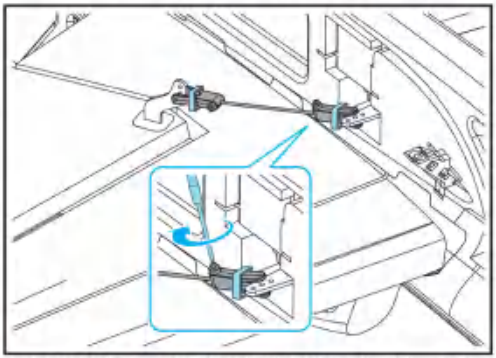
(13). 完成如图(用十字螺丝刀调整推拉杆上的螺丝，让机翼的水平，再拧紧螺丝)。
Complete as shown in the figure (use a screwdriver to adjust the screws on the push rod to make the wing horizontal, and then tighten the screws).



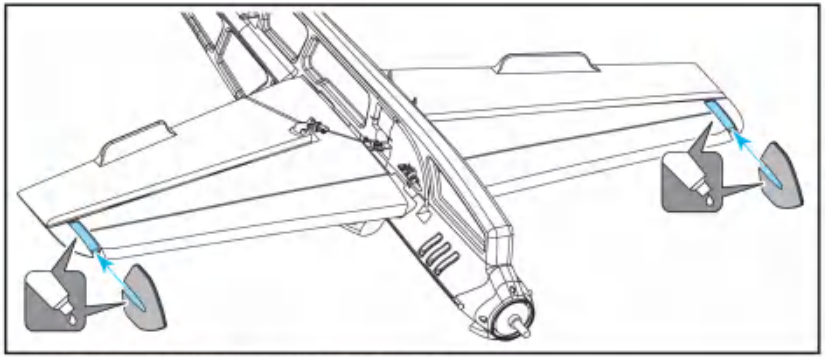
(14). 如图所示，用泡沫胶将舵角固定到机翼上。
As shown in the figure, fix the rudder angle to the wing with foam glue.



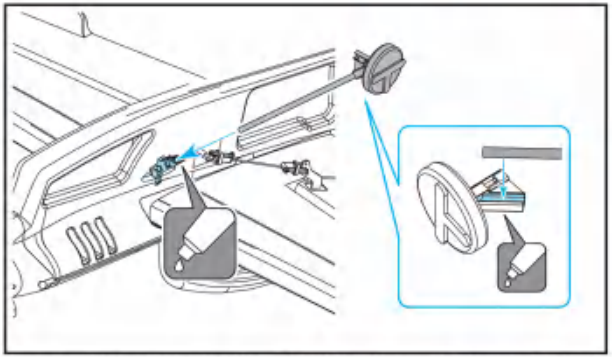
(15). 如图所示，先将橡皮圈套上两边的推拉杆，再将推拉杆安装到机身和机翼的舵角上。
As shown in the figure, first put the rubber ring on both sides of the push rod, and then install the push rod on the rudder angle on the fuselage and wing.



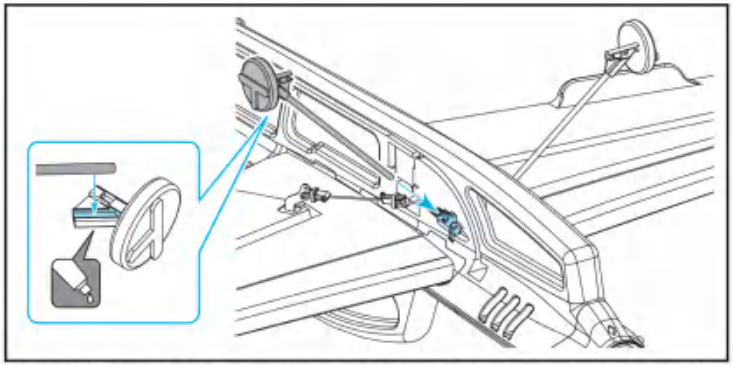
(16). 完成如图(用十字螺丝刀调整推拉杆上的螺丝，让机翼的水平，再拧紧螺丝)。
Complete as shown in the figure (use a screwdriver to adjust the screws on the push rod to make the wing horizontal, and then tighten the screws).



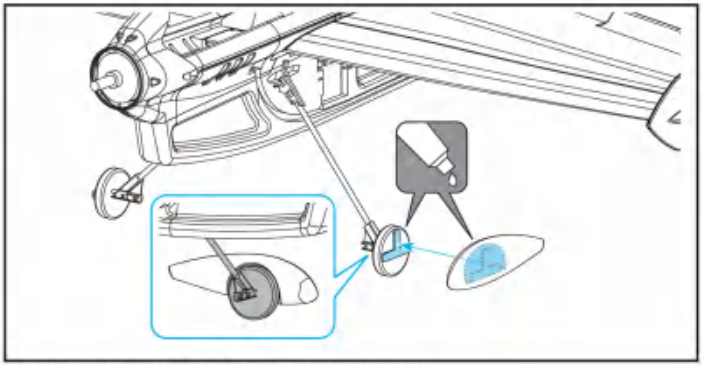
(17). 如图所示，用泡沫胶将二个扰流翼固定到机翼上。
Fix and glue 2pcs spoilers on the below of main wing as shown in figure.



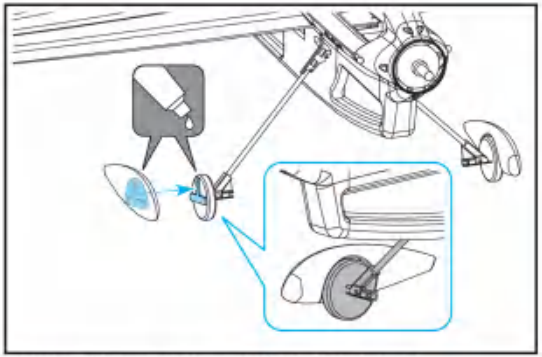
(18). 如图所示，用胶水将碳杆固定到轮胎配件上，再将组装完成的起落架安装到机身支撑座上，再用胶水固定。
One side landing skid installation: Fix and glue the tyre with carbon rod, then insert and glue another side of carbon rod into the support mounts on the body.



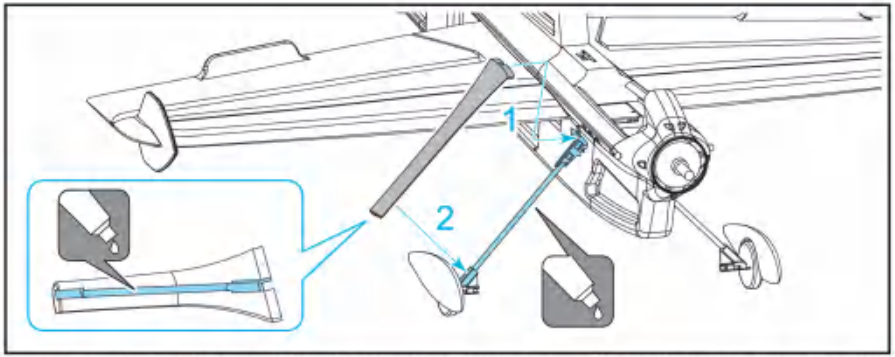
(19). 如图所示，用胶水将碳杆固定到轮胎配件上，再将组装完成的起落架安装到机身支撑座上，再用胶水固定。
Another side landing skid installation: Fix and glue the tyre with carbon rod, then insert and glue another side of carbon rod into the support mounts on the body.



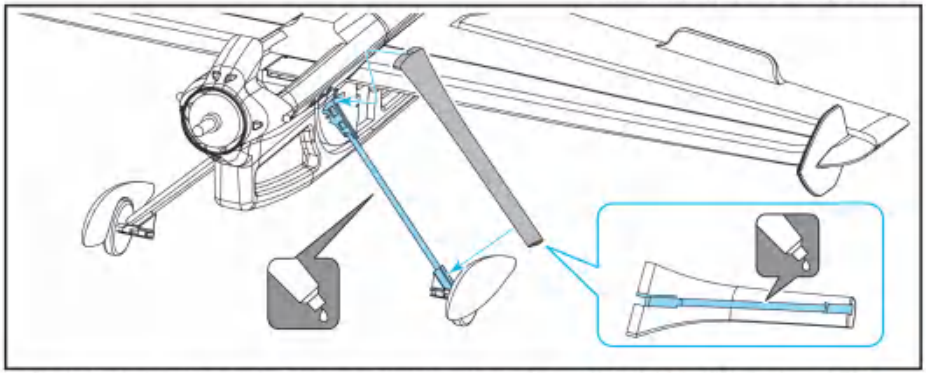
(20). 如图所示，用泡沫胶将左轮罩固定在左车轮上。
Fix and glue left tyre foam mask on the tyre as shown in figure.



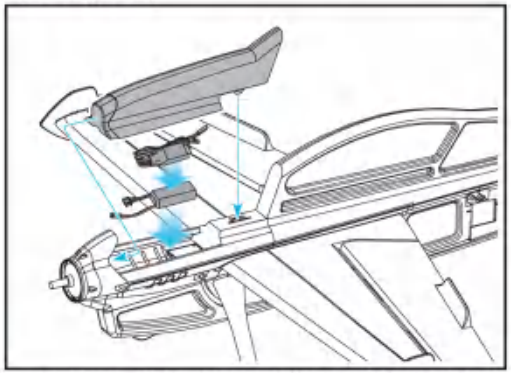
(21). 如图所示，用泡沫胶将右轮罩固定在右车轮上。
Fix and glue right tyre foam mask on the tyre as shown in figure.



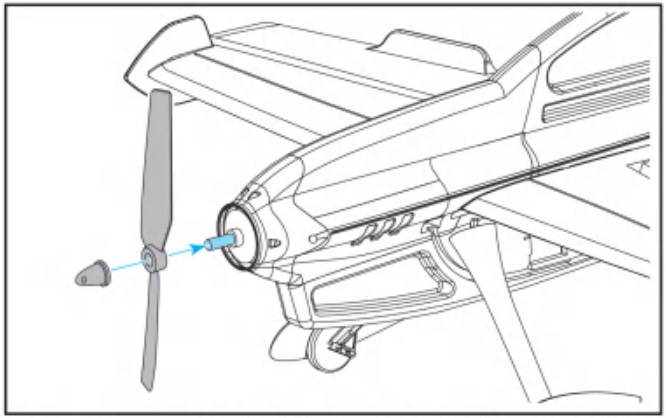

(22). 如图所示，装饰件蓝色部分需涂满泡沫胶才能牢固粘在碳杆上，先将右装饰件大头先装上，再装小头。
（装饰件有分左右方向，注意看装饰件卡口）
Put on a foam coat on the right landing skid: seal the landing skid with glue as shown in figure, stick foam decorating parts with landing skid. (Stick the thick end of foam decorating parts firstly. Please well note the open end direction of foam decorating parts.)



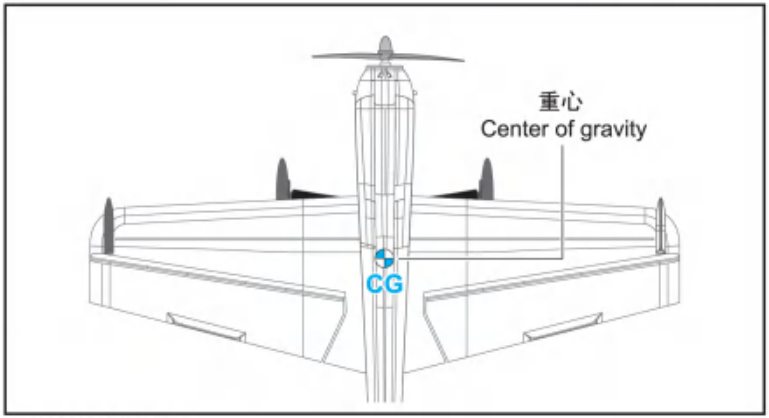
(23). 如图所示，装饰件蓝色部分需涂满泡沫胶才能牢固粘在碳杆上，先将左装饰件大头先装上，再装小头。
（装饰件有分左右方向，注意看装饰件卡口）
Put on a foam coat on the left landing skid: seal the landing skid with glue as shown in figure, stick foam decorating parts with landing skid. (Stick the thick end of foam decorating parts firstly. Please well note the open end direction of foam decorating parts.)



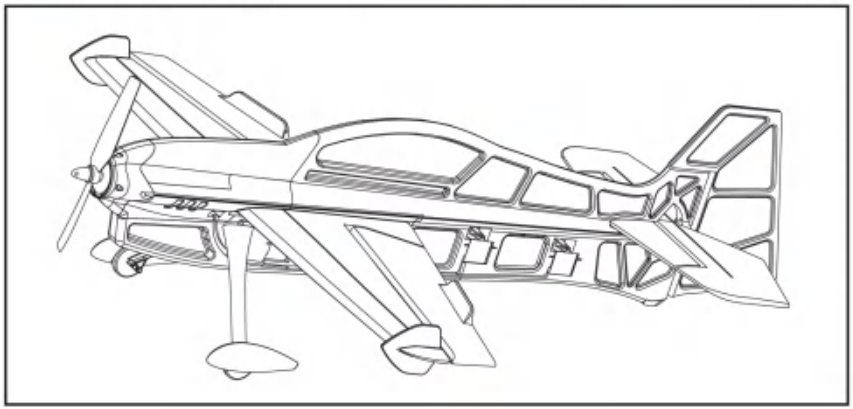
(24). 如图所示，将电子调速器和电池放入机舱内，盖好机舱盖。
Put lipo battery and ESC into the airpalne and cover it.



(25). 如图所示，将螺旋桨固定马达上，再用螺旋桨盖顺时针方向锁紧螺旋桨。
As shown in the figure, fix the propeller on the motor and lock the propeller clockwise with the propeller cover.

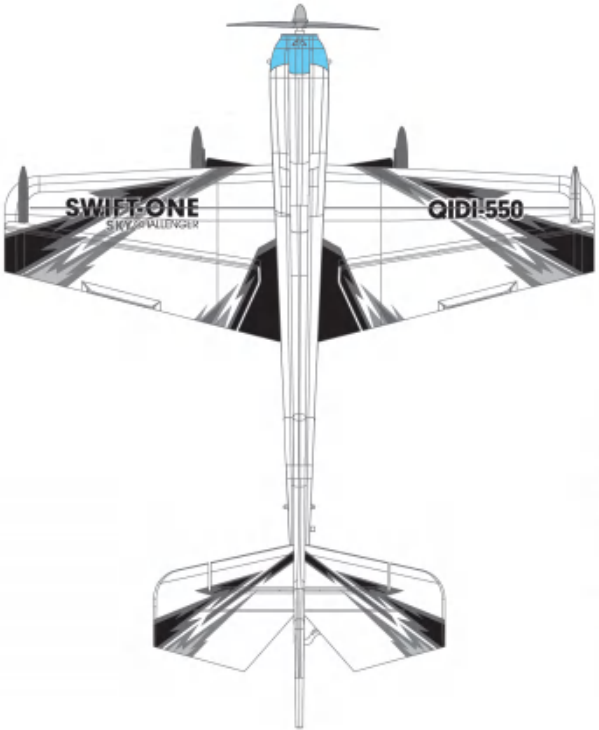



(26). 飞机重心示意图
Airplane center of gravity hint map.

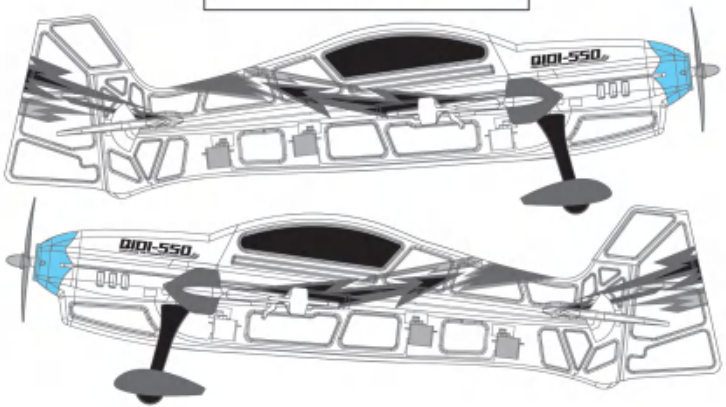


(27). 完成如图。
Installation complete.

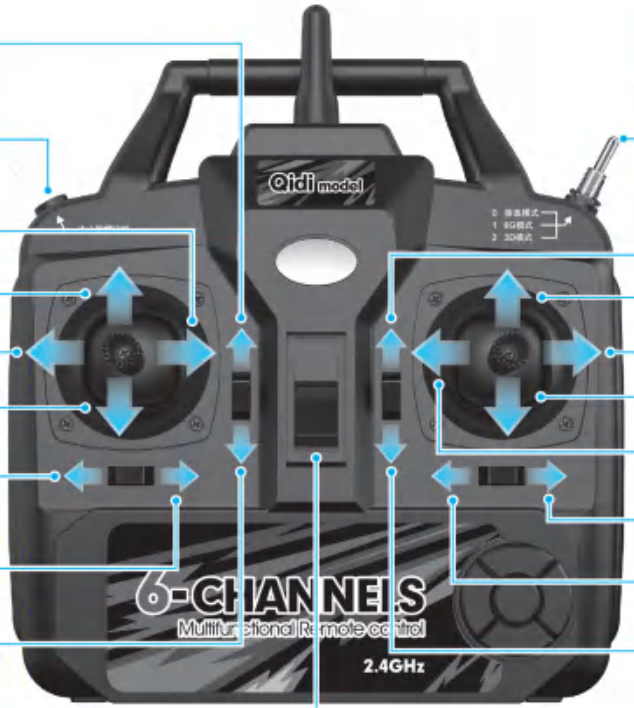
## 2. 飞机贴纸示意图 AIRPLANE PASTER HINT MAP







## 3. 遥控器功能介绍 TRANSMITTER FUNCTION INTRODUCTION




油门增加微调
Throttle increase trim

大小陀螺切换
Switch between large and small gyros

大机翼右
Large wing right

加大油门
Step on the gas

大机翼左
Large wing left

降低油门
Lower the throttle

主机翼右微调
Main engine wing right trim

主机翼左微调
Main engine wing left trim

油门减少微调
Throttle decrease trim

电源开关 Power switch

垂直模式：
飞机处于垂直飞行模式。
Vertical mode:
the aircraft is in vertical flight mode.

6G模式：陀螺仪辅助飞行
6G mode: gyroscope assisted flight

3D模式：手动操控
3D mode: manual control

尾翼下降微调 Fin descent trim

水平尾翼上升 Horizontal tail rise

垂直尾翼右转 Vertical tail right turn

水平尾翼下降
Horizontal tail descending

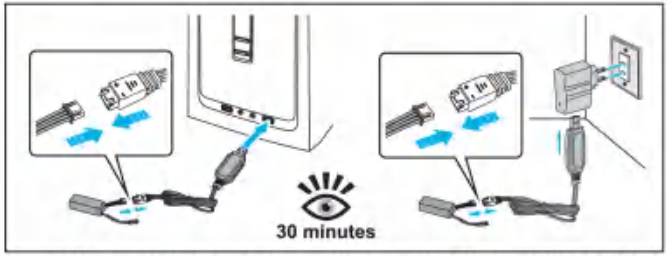
垂直尾翼左转
Vertical tail left turn

尾翼平衡右微调
Right trim of tail balance

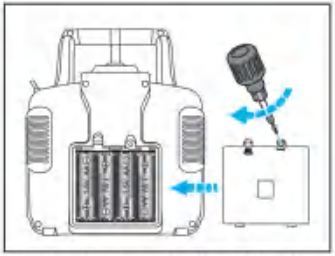
尾翼平衡左微调
Left trim of tail balance

尾翼上升微调
Tail wing rise trim

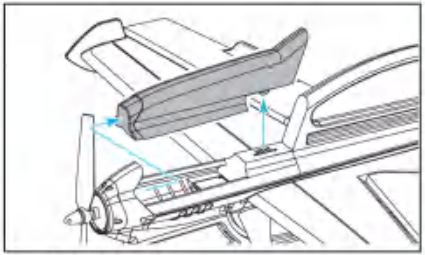
## 4. 电池的充电和装配 BATTERY CHARGING AND ASSEMBLY



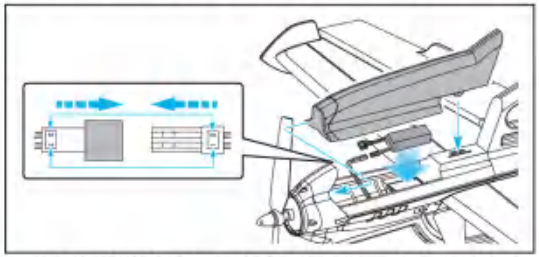

(1).将USB充电线按如图方式插入电脑或手机充电器USB接口，此时USB红色指示灯常亮，再将USB充电线按如图与电池组连接，此时USB绿色指示灯慢闪，此时正在充电，约过30分钟左右，绿色指示灯常亮，充电完成。
(注：手机充电器需另购)
Insert the USB cable into the interface of a computer or the USB interface of a mobile phone charger as shown in the figure, and the red USB indicator light will be on. Then connect the USB cable with the battery pack as shown in the figure, and the green USB indicator light will flash slowly, indicating that it is charging. Approximately 30 minutes later, the green indicator light will be on and charging is completed. (Note: The mobile phone charger is optional).



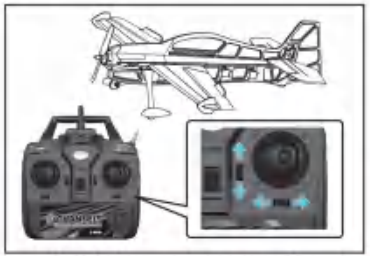
(2).在遥控器上装上4节"AA"碱性电池，打开电源开关。
Put 4 X"AA" alkaline batteries into the transmitter and turn on the power switch.



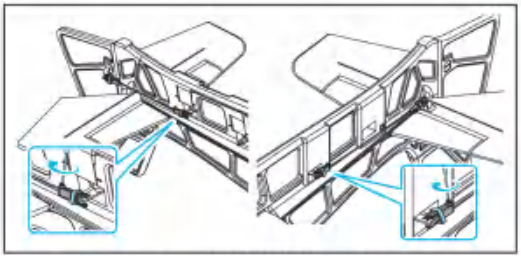
(3).打开机身上的机舱盖。
Open the canopy cover on the fuselage.



(4).将电池组放入机舱内，再把电池组插座与飞机电源插头接通，盖好机舱盖。
Put the battery pack into the canopy, then put through the socket of battery pack with power plug of airplane, replace the canopy cover.

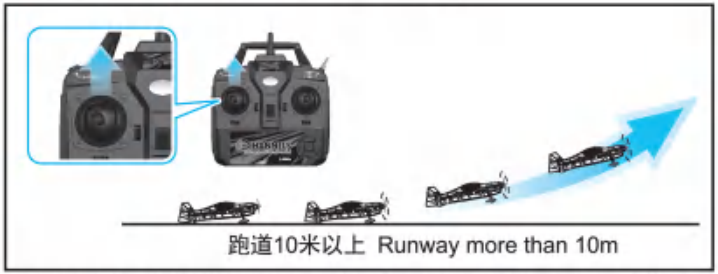


(5).遥控器左右上下操纵杆微调置中时，各翼面的舵面应与其翼面成一平面。
While adjusting the control sticks of the transmitter and making them in the middle, both the rudder & the elevator should be in the same horizontal plane, and their empennage as well.



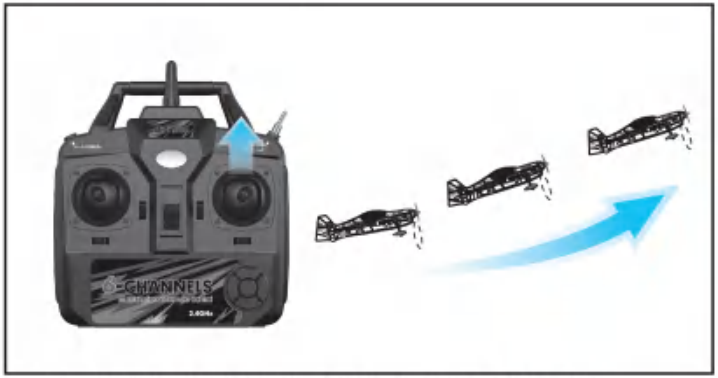
(6).如不成一平面，调整连动钢丝的长度，使其成一平面。
If they are not in the same place, adjust the length of the interlock steel wire and make it in one level.

## 5. 操作方式 OPERATION INTRODUCTION

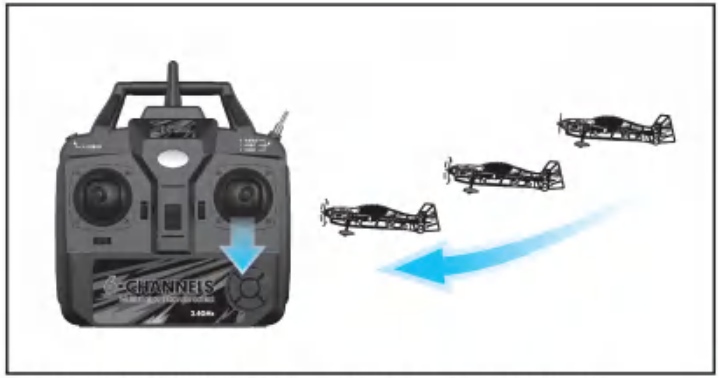



(1).**起飞：**将飞机放在平整的跑道上. 将遥控器左操纵杆向上推(加大油门)，螺旋桨旋转速度加快，飞机滑行一段距离后上升。
Takeoff: put the aircraft on a flat runway, push the left joystick of the remote control upward (increase the accelerator), the propeller rotates faster, and the aircraft glides for a distance before rising.


(2).**降落：**将遥控器左操纵杆向下拉(降低油门)，螺旋桨旋转速度减弱，飞机自然飘落。
Landing: pull down the left joystick of the remote control (lower the throttle), the propeller rotation speed will be reduced, and the aircraft will fall naturally.



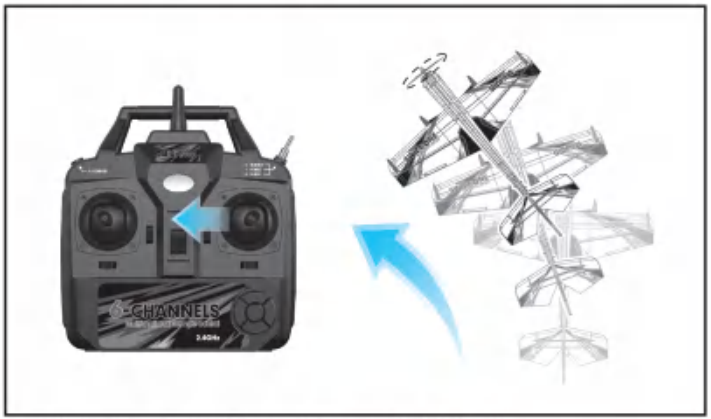

(3).**上升：**将遥控器右操纵杆向上推，水平尾翼舵面向上，飞机随之上升。
Ascending: Push the right joystick of the remote control upward, and the horizontal tail rudder faces upward, then the aircraft will ascend.



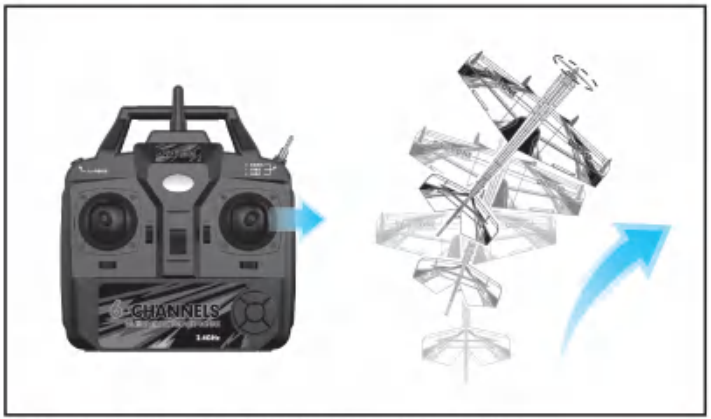

(4).**下降：**将遥控器右操纵杆向下拉，水平尾翼舵面向下，飞机随之下降。
Descending: pull down the right joystick of the remote control, and the horizontal tail control surface is downward, so that the aircraft descends.


(5).**左倾斜：**将遥控器左操纵杆向左移动时，飞机随之向左倾斜。
Left tilt: When the left joystick of the remote control is moved to the left, the aircraft will tilt to the left accordingly.

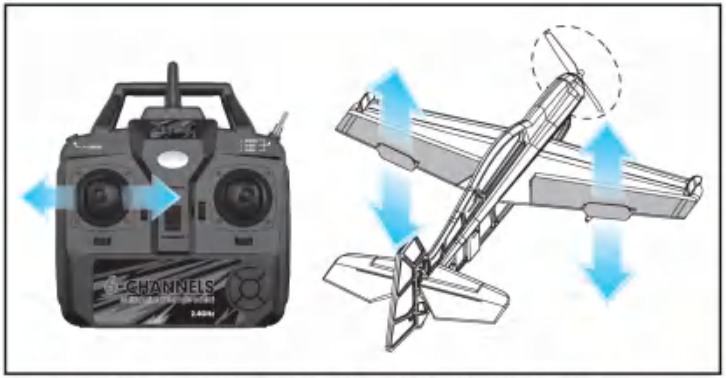

(6).**右倾斜：**将遥控器左操纵杆向右移动时，飞机随之向右倾斜。
Right tilt: When the left joystick of the remote control is moved to the right, the aircraft will tilt to the right.




(7).**左转弯：**将遥控器右操纵杆向左移动时，飞机随之向**左转弯**。
Left turn: When the right joystick of the remote control is moved to the left, the aircraft will turn left accordingly.




(8).**右转弯：**将遥控器右操纵杆右左移动时，飞机随之向右**转弯**。
Right turn: When the right joystick of the remote control is moved from right to left, the aircraft will turn right accordingly.




(9).副翼：将遥控器左操纵杆向左/右推，控制副翼的升降，来提升飞机的升力。
Aileron: Push the left joystick of the remote control to the left/right to control the lifting of the aileron to increase the lift of the aircraft.

## 安全提示：
## SAFETY PRECAUTIONS:

**千万不能用手触摸旋转中的螺旋桨。**
**Do not touch the rolling airscrew to avoid hurt.**

## 6. 飞行调整 Flying adjustment

起飞后爬升缓慢或平飞，说明头重。
Climb slowly or level off after takeoff, indicating head weight.


(1).先拉下右操纵杆微调(尾翼上升微调)，如还不能纠正头重，则将右操纵杆向上推动少许(水平尾翼上升)，克服头重。
First pull down the right joystick for fine adjustment (tail lift fine adjustment). If the head weight cannot be corrected, push the right joystick up a little (horizontal tail lift) to overcome the head weight.

起飞后飞行轨迹呈波浪状，说明头轻。
After takeoff, the flight path is wavy, indicating that the head is light.

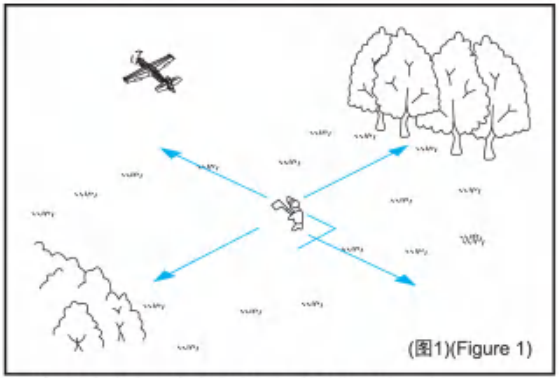

(2).先向上推右操纵杆微调(尾翼下降微调)，如还不能纠正头轻，则将右操纵杆向下推动少许(水平尾翼下降)，克服头轻。
First, push the right joystick upward for fine adjustment (tail down fine adjustment). If the head weight cannot be corrected, push the right joystick downward a little (horizontal tail down) to overcome the head weight.

## 7. 左右偏向调整 ADJUSTMENT FOR THE LEFT OR RIGHT DEFLECTION


(1).飞行时，飞机右偏，微调应向左调节。
If the plane deviates from the right in flying, adjust the adjuster to the left.

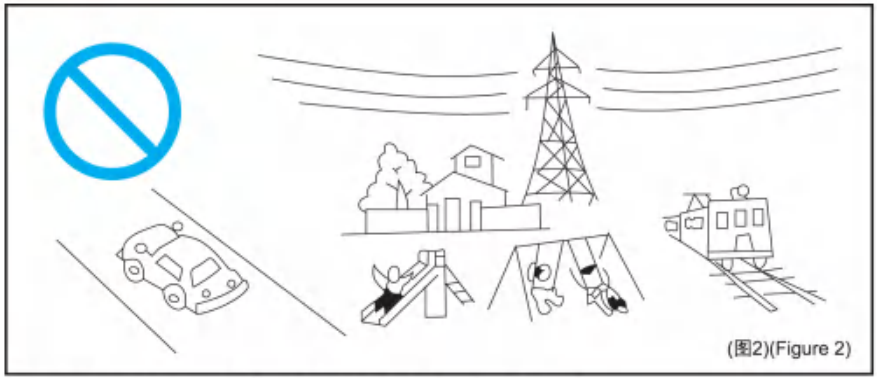

(2).飞行时，飞机左偏，微调应向右调节。
If the plane deviates from the left in flying, adjust the adjuster to the right.

## 8. 飞行警告 Flight warning



(图1)(Figure 1)

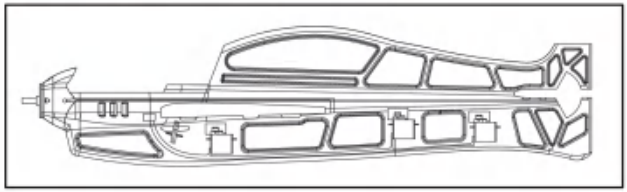
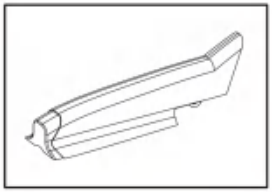
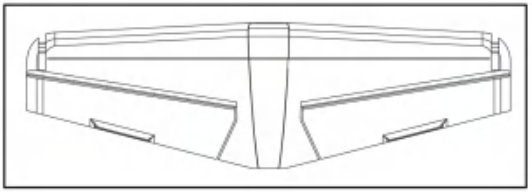
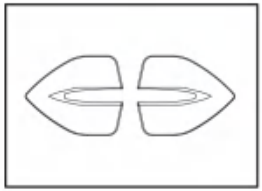
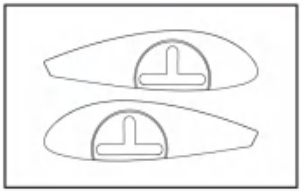
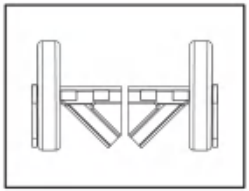
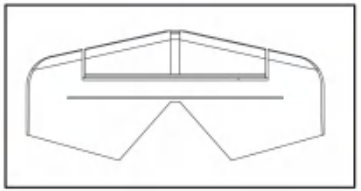
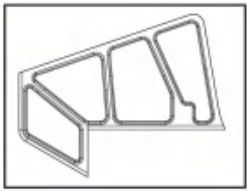
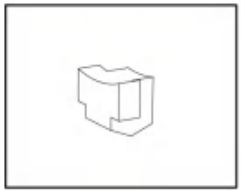
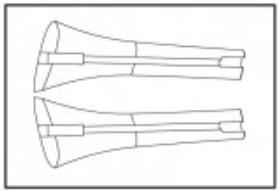
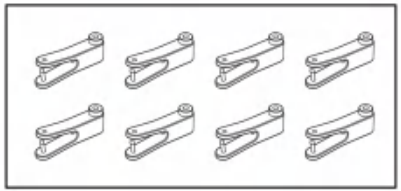
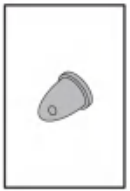
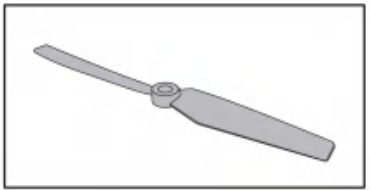
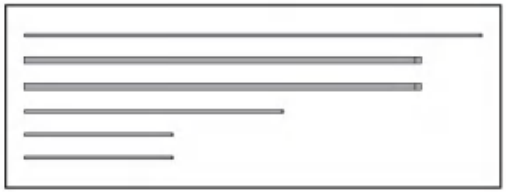
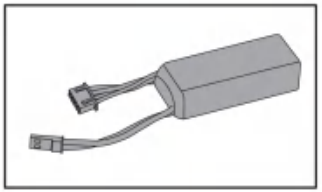
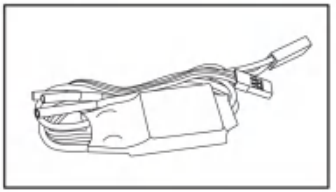
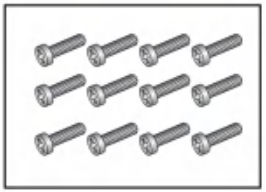
(1).请选择开阔没有障碍物或灌木丛的地方飞行。(图1)
(2).禁止在以下场所飞行：公路，铁路，高压电线，人群，住宅区。(图2)
(3). 最佳风速为0-2米/秒。



(图2)(Figure 2)

(1).Fly in spacious ground without obstacles and boscage.(Figure 1)
(2).Never fly near the signs as below: Highway, railway, high tension line, crowed people, and residential area.(Figure 2)
(3).The optimal wind speed for flight is 0-2m/s.

## 9. 组成部件 COMPONENT PARTS

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

The devices has been evaluated to meet general RF exposure requirement， the device can be used in portable exposure condition without restriction