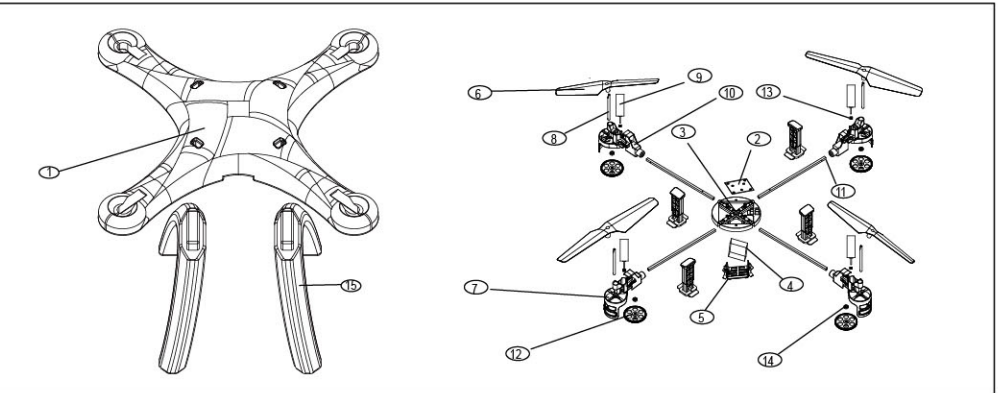


12. PARTS LIST 各种零件名称

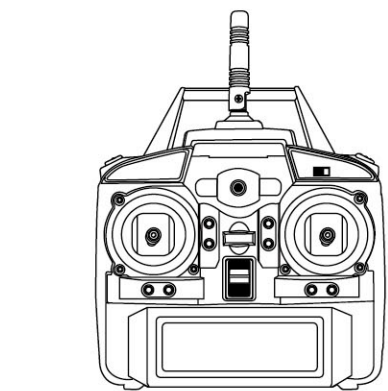


NO 序号	Name 配件名称	Quantity 数量
1	Styrofoam shell	泡沫壳
2	Receiver board	接收板
3	Frame	机身
4	Batery	电池
5	Battery Box	电池盒
6	Blade	风叶
7	Motor blok	电机座
8	Pipe	钢管
9	Motor	电机
10	Motor cover	电机盖
11	Carbon fiber	碳纤维
12	Plastic cone	塑料牙轮
13	Control gear	控制齿轮
14	Copper set	铜套
15	Horse	脚架

The contents of the packaging of materials, specifications or parts of this manual for information. The Company will not be liable for printing material transaction is responsible for and can not take the initiative to inform consumers, any updates or transactions, mainly in the Company's website. This manual contains the material, specification and packaging of the product. The company will not be responsible for any updates or transactions, mainly in the company's website. This manual contains the material, specification and packaging of the product. The company will not be responsible for any updates or transactions, mainly in the company's website.

PATHFINDER  
使用说明书

Contents	
1	FOREWORD 前言
2	PRECAUTIONS 安全注意事项
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Thanks to your choice of our factory remote world products, and grateful. Before you enter the remote world, to telling you a number of related knowledge and precautions to ensure that you can in the process of learning more Handy. Before operation, be sure to read this manual. I believe we can take you a great help. Also please keep this manual for future reference.

1. FOREWORD 前言

Thank you for choosing Our products! This is a stunt aircraft suitable for indoor and outdoor flying, in order to bring more convenience and easy to use, please carefully reading this manual before operating this aircraft, you properly preserved this manual adjustment and maintenance for reference in the future.

WARNING LABEL MEANINGS 标志代表涵义

- WARNING 警告: Can be hurt because of negligence of these instructions and wrong using. 因为疏忽这些说明, 使用错误可能造成人身伤害。
- CAUTION 注意: Can be dangerous because of the negligence of these instructions and wrong using. 因为疏忽这些操作说明, 使用错误可能造成危险。
- FORBIDDEN 禁止: Do not attempt under any circumstances. 在任何禁止的环境下, 请勿尝试操作。

IMPORTANT NOTES 重要声明

Helicopter is not a toy, miniature remote control four-axis aircraft, but there is still some risk of the matter with instructions to correctly use the model in accordance with the Security, the dismantling of any modification or improper use of the product are not familiar with may be dangerous to the risk of unexpected or accidental, please do not overlook.

六轴飞行器并非玩具, 虽然是中型的遥控六轴飞行器, 但是仍然有一定的危险性, 请您依安全注意事项与操作说明来正确的使用该模型, 任意的改装拆解或使用不当以及对产品的不熟悉, 都可能造成不可预期的危险或意外, 请勿轻视。

Manufacturer and dealer assume no liability for accidental damages by abnormal wear to parts, improper assembly, or operation in unsafe manners. This product is intended for use by age 14 years or older. Please ensure the product is operated under safe environment.

注意! 任何遥控飞行器的使用, 制造商或经销商是无法对使用者于零件使用的损坏异常, 组装不当或不安全的环境操作所发生之意外负任何责任。本产品适用年龄14岁以上, 请确保安全无危险的环境下操作, 产品售出后本公司将不负责因不当操作/拆卸/改装所引起的财产损失与人身伤害。

We recommend that you seek the assistance of an experienced pilot before attempting to fly our products for the first time. A local expert is the best way to properly assemble, setup, and fly your model for the first time. The requires a certain degree of skill to operate, and is an item subject to normal wear and tear. Any damage or dissatisfaction as a result of accidents or modifications are not covered by any warranty and cannot be returned for repair or replacement. Please ensure that your distributors are not covered by any warranty and cannot be returned rates when you experience problems during operation or maintenance.

我们建议您寻求有经验飞行员的帮助, 在您尝试操作我们的产品之前。当地专家是您第一次组装、设置和飞行模型的最佳方式。操作本产品需要一定的技能, 且本产品属于正常磨损和撕裂。任何因意外或改装造成的损坏或不满, 均不在任何保修范围内, 且无法退货。当您在使用过程中遇到问题或维护时, 请确保您的经销商不受保修条款的限制。

2. PRECAUTIONS 安全注意事项

- CAUTION 注意: Fly in unsafe areas away from other people. Do not operate R/C aircraft within the vicinity of crowds or people. R/C aircraft are prone to accidents, failures, and responsible for their actions and damage or injury occurred during pilot error, and radio interference. Pilots are responsible for their actions and damage or injury occurred during the operation or as a result of R/C aircraft models.
- 注意: 飞行区域应远离人群。请勿在人群密集区域操作遥控飞行器。遥控飞行器容易发生意外、故障, 并对操作者的行为和造成的损坏或伤害负责。飞行员应对操作过程中的错误或无线电干扰负责。飞行员应对操作过程中的错误或无线电干扰负责。



You can play some exciting control if you were real familiar in all the basic operation. Firstly, fly the UFO to 6 meter while pressing the button of rolling controller; then, release the button of rolling controller meanwhile the UFO will be rolling by 360 angle. If you do real want to control your own UFO in any direction, push the button of speeding controller to 100 percent. Push any of the forward/back/left side/right side controller to the end and release the controller, then the UFO will be rolling by 360 angle. In outside you can fly your UFO to above 10 meter, pushing the relevant controller to the end and do not release them, the UFO will be rolling continuously.

当前面的基本动作都熟练了就可以玩一些惊险的翻滚动作, 首先把飞行器飞到6米以上按住一侧翻滚按钮后松开, 就可以向前360度翻滚。如果想实现不同方向翻滚, 将速度调开关开到100%, 把前进、后退、左侧飞、右侧飞按钮任意推到底松开, 就可以360度翻滚。在室外飞行, 可以把飞行器飞到10米以上高度, 把相应的摇杆推到底松开可以实现连续翻滚。

11. RULE OUT TROUBLE DURING FLIGHT 如何排除飞行中的状况

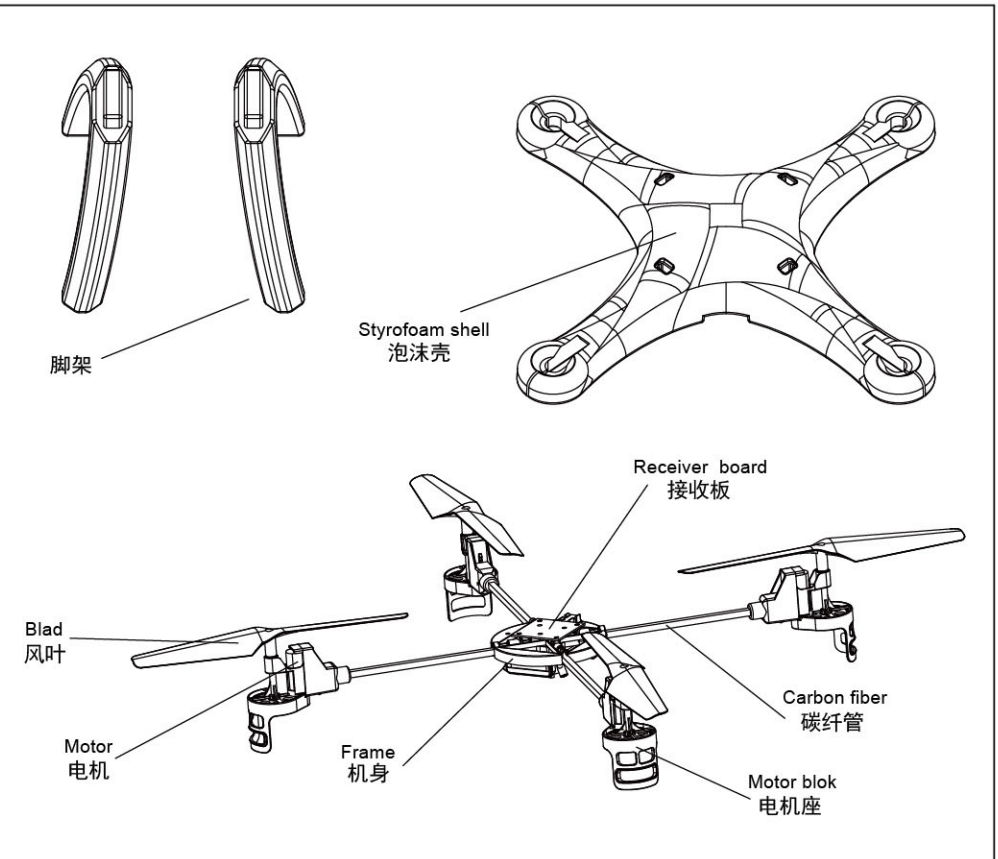
Situation 状况	Cause 原因	Way to deal 对策
1 The receiver light keeps flashing operation 接收器指示灯持续闪烁, 操作无反应	Unable to bind to transmitter. 遥控器无法与接收器成功配对	Repeat the power up initializing process. 请重新执行开机自检与接收器配对的操作
2 The aircraft not any reaction 飞行器没有任何反应	1 Power to transmitter and receiver 2 Check transmitter and receiver voltage 3 Poor contact on battery terminals 1 检查遥控器与接收器是否接通电源 2 检查遥控器与接收器电池的电压 3 重新插入电池, 确保电池和电极的接触是否紧密	1 Turn on transmitter and ensure flight vehicle battery is inserted properly 2 Fully charged batteries 3 Re-use the battery and ensure good contact between battery contacts 1 打开发射器并确保插入飞行器电池至定位 2 将完全充电的电池装入 3 重新插入电池, 确保电池和电极的接触是否紧密
3 Motor does not respond to throttle stick, receiver LED flashes. 油门杆无反应, 接收器LED灯闪烁	WHEN UFO Lo battery power not enough 当飞行器电量不足时	Fully charge the battery or replace with a fully charged battery. 将电池充满或更换另一个充满电的电池
4 Deformed main blades 2 Flight vehicle battery depleted 3 Not detected horizontal point 1 主翼变形 2 飞行器电量不足 3 未检测到水平点	1 Deformed main blades 2 Flight vehicle battery depleted 3 Not detected horizontal point 1 主翼变形 2 飞行器电量不足 3 未检测到水平点	1 Replace main blades 2 Charge or replace with fully charged battery 3 Placed on the flat ground, reboot 1 更换主翼 2 充电或更换充满电的电池 3 放置在平坦地面, 重新启动
5 Strong vibration of flight vehicle 飞行器震动剧烈	1 Deformed main blades 1 主翼变形	1 Replace main blades 1 更换主翼
6 Tail still off after lab adjustment, or inconsistent speed during left/right yaw. 调整尾翼后仍无反应, 或左右偏航速度不一致	1 Damaged tail rotors 2 Damaged tail drive motor 3 Not detected horizontal point 1 尾翼损坏 2 尾翼电机损坏 3 未检测到水平点	1 Replace main blades 2 Replace the main motor 3 Placed on the flat ground, reboot 1 更换主翼 2 更换主电机 3 放置在平坦地面, 重新启动
7 Flight vehicle still wonders forward after trim adjustment during hover 悬停时调整升降舵后飞行器仍会往前或往后偏移	1 Gyroscope mispoint not 1 陀螺仪校准点不对	1 The boot will find fine-tune the normalized neutral point, reboot 1 开机后将升降舵校准点归零, 重新启动

WARNING 警告: OBTAIN THE ASSISTANCE OF AN EXPERIENCED PILOT. 避免独自操作。The products are suitable for more than 14 years old age, at the beginning it will have some certain difficulty in learning, suggestion guidance by experienced when playing. 本产品适用年龄14岁以上, 遥控特技飞行器在学习初期有一定难度, 建议有经验的人士在旁指导才可以飞行。

3. STANDARD ACCESSORIES 标准配件

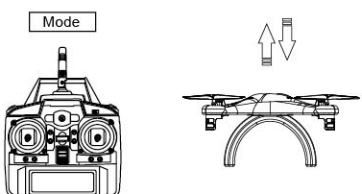


4. NAMES OF AIRCRAFT 飞行器各部位名称



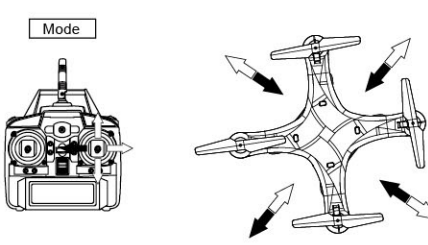
CAUTION 注意: Make sure that no people or obstructions in the vicinity. You must first practice hovering for flying safety. This is a basic flight action. (Hovering means keeping the flight vehicle in mid air in a fixed position) Please stand approximately 4 m diagonally behind the flight vehicle. 确认附近没有人员和障碍物。为了飞行安全, 你必须先练习悬停, 这是飞行动作的基础 (悬停: 飞行器停留在并保持固定位置)。练习时, 请站在飞行器后方4公尺。

STEP 1 THROTTLE CONTROL PRACTICE 油门控制练习



when the flight vehicle begins to lift-off the ground, slowly reduce the throttle to bring the flight vehicle back down. keep practicing this action until you control the throttle smoothly. 当飞行器离地后, 慢慢降低油门将飞行器降下。持续练习飞行器从地面上升和下降直到你觉得油门控制很顺畅。

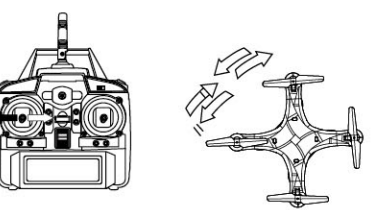
STEP 2 AILERON AND ELEVATOR CONTROL PRACTICE 副翼及升降舵控制练习



- 1. Raise the throttle stick slowly.
- 2. Move the flight vehicle in any direction back, forward, left and right, slowly move the aileron and elevator sticks in the opposite direction to fly back to its original position.
- 1. 慢慢升起油门摇杆
- 2. 使飞行器依指示: 移动向后/向前/向左/向右, 慢慢的反向移动副翼和升降舵摇杆并将飞行器回到原来位置。

STEP 3 RUDDER CONTROL PRACTICING 方向舵操作练习

- 1. Slowly raise the throttle stick.
- 2. Move the nose of the flight vehicle to right or left, and then slowly move the rudder stick in the opposite direction to fly back to its original position.
- 1. 慢慢升起油门摇杆
- 2. 将飞行器左右移动, 然后慢慢反向移动方向摇杆, 并将移动飞回原来位置。



10. FLIGHT ADJUSTMENT AND SETTING 飞行动作调整与设定

PLEASE PRACTICE SIMULATION FLIGHT BEFORE ACTUAL FLYING 飞行前请先熟悉模拟飞行

Before you are familiar with the flight vehicle, please don't set it fly, read the instruction carefully. Get familiar with all kinds of direction control and keep repeating until you can play it as you perform your wishes.

- 1 Place the flight vehicle a clear open field and the tail of helicopter point to yourself.
- 2 Practice to operate the throttle sticks (below illustration) and repeat practicing
- 3 The simulation flight practice is very important, please keep practicing until the fingers move naturally when you hear operation operation orders being call out.

在还没有了解飞行器各个动作的操控前, 严禁实机飞行, 请先阅读说明书, 熟悉各种动作的操控并不断的重复。直到手指可熟练的控制各种动作以及方向。1. 将飞行器放在空旷的地方, 并使其尾部对准自己。2. 练习操作遥控器的摇杆 (各动作的操作方式如下图)。并反复练习油门/低、副翼左/右、升降舵前/后及方向舵左/右操作方式。3. 模拟飞行的练习相当重要, 请重复练习直到不需要思考, 手指能自然随意喊出的指令控制模型。

Mode	Illustration 图示	Mode	Illustration 图示
Aileron 副翼	Move right 右移, Move left 左移	Throttle 油门	Ascent 上升, Descent 下降
Elevator 升降舵	Fly forward 前进, Fly backward 后退	Rudder 方向舵	Turn left 左转, Turn right 右转

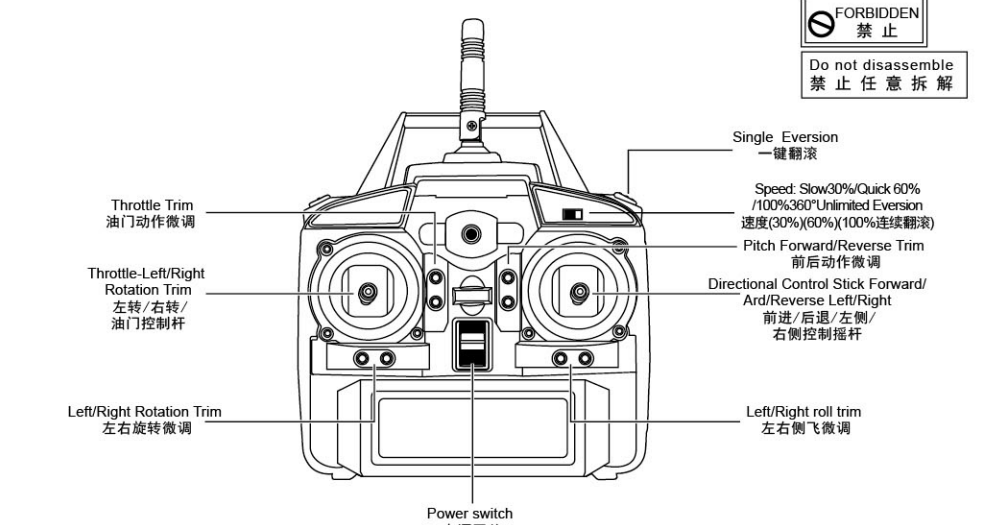
FLIGHT ADJUSTMENT AND NOTICE FOR BEGINNERS 初学者飞行调整与注意

- CAUTION 注意: Check if the screws are firmly tightened. Check if the transmitter and receivers are fully charged. 再次确认螺丝是否紧固。检查发射器和接收器电池是否充足。

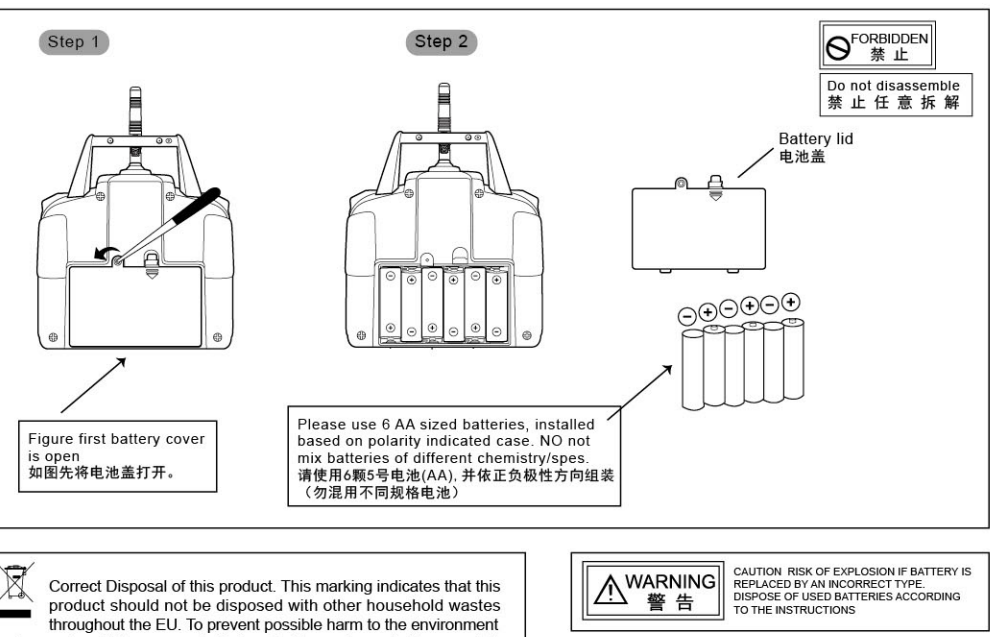
When arriving at the flying field. 请在没有人及障碍物的空旷室内、室外飞行。



5. NAMES OF CONTROLLER 遥控器各部位名称



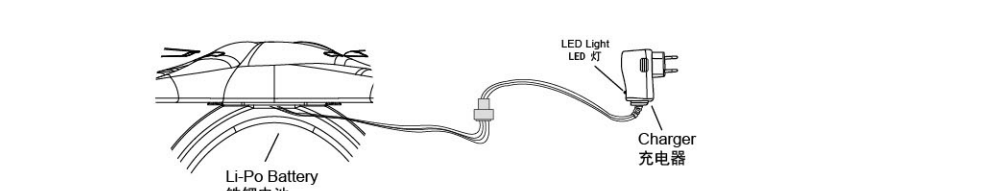
6. CONTROLLER BATTERY INSTALLATION 遥控器电池安装



Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

7. CHARGING 电池的充电

Use the charger to the vehicle battery charging 利用充电器给飞行器电池充电



Charge of the factory and distribution of the flying saucer special charger. UFO's power switch to position off, the charger into a power outlet; charger LED light is green; connection UFO charging cradle charger green light goes red; turns green when charging is completed. As shown.

用工厂配送的飞碟专用充电器充电。把飞碟的电源插头拔出, 保持飞碟关闭状态, 把充电器插入电源插座; 充电器的LED灯为绿色; 连接飞碟充电座后充电器的绿灯变红灯, 当充电完成后变为绿灯。如图所示

LED Indicator LED 表示

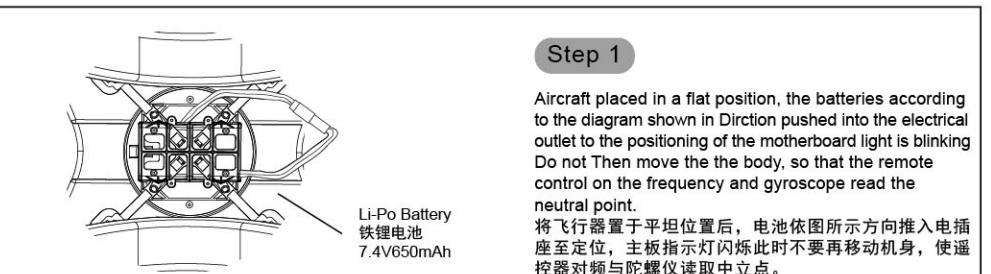
For safety concerns, battery charging must be done under supervision at all times. 为确保安全, 充电时必须有人在视线范围内进行

LED Indicator LED 表示	Charger Specifications 充电器规格
Green light 绿灯亮	Input 输入: 220V, Charging Current 充电电流: 650mA, Full Voltage 充满电压: 8.4 ± 0.3V
Red light 红灯亮	
Idle and Charge Completion 充电完成	
Charging 充电中	

8. BATTERY AND CHARGER SPECIFICATION 电池与充电器相关规格

Battery usage and charge duration reference 电池使用时间与充电时间参考表			
Battery type 电池类型	Battery Specification 电池规格	Usage Duration 可使用时间	Charge Time 充电所需时间
Li-Po battery 锂电池	7.4V650mAh	Aircraft flight time 飞行器飞行时间 5-7 minutes 5至7分钟	About 1.0 hours 约1.0小时
Carbon-Zinc (Non Rechargeable) 碳锌电池 (不可充电)	1.5V (GP 15G R6P)	Transmitter Operation Time 遥控器开机时间 18 Hours 18小时	Non Rechargeable 不可充电

9. BINDING OF RADIO TRANSMITTER AND RECEIVER 遥控器与接收器的对频



Aircraft placed in a flat position, the batteries according to the diagram shown in Dirction pushed into the electrical outlet to the positioning of the motherboard light is blinking. Do not then move the the body, so that the remote control on the frequency and gyroscope read the neutral point.

将飞行器置于平坦位置后, 电池依照所示方向推入电源插座至定位, 主板指示灯闪烁此时不要再移动机身, 使遥控器对频与陀螺仪读取中立点。

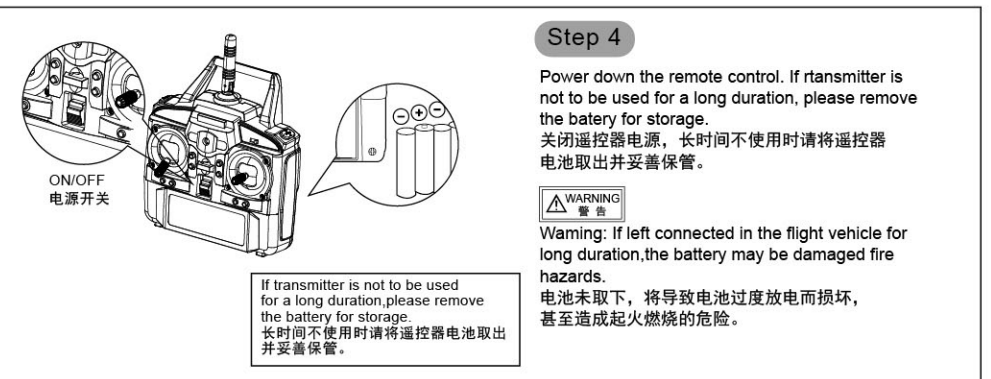
STEP 2 The throttle stick to lowest power on the remote control. 将油门摇杆推至最低, 打开遥控器电源。

When the end of the flight, uplug power cord. 结束飞行时, 拔出电源插头。

STEP 3 Warning: Battery plug is not pulled out, will cause the battery to excessive discharge, and even cause a risk of fire. 电池插头未拔出, 将导致电池过度放电而损坏, 甚至造成起火燃烧的危险。



STEP 4 Warning: If left connected in the flight vehicle for long duration, the battery may be damaged fire hazards. 电池未取下, 将导致电池过度放电而损坏, 甚至造成起火燃烧的危险。





Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.