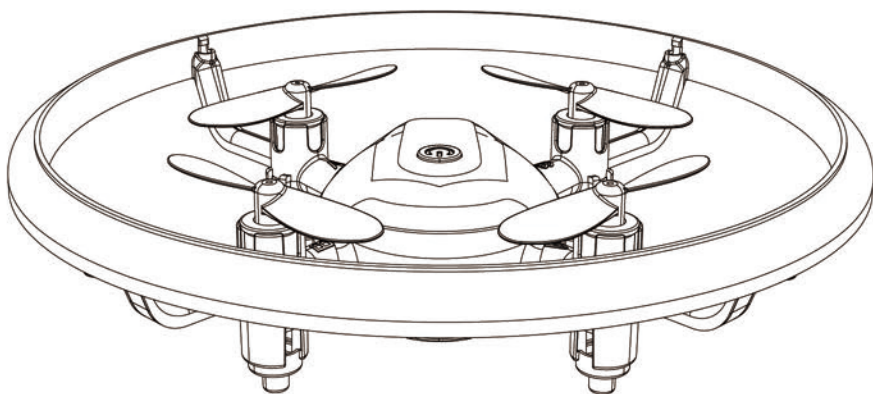


8+

# AUTO HOVER FUNCTION 4-AXIS DRONE

四轴飞行器使用说明书

Model NO.: Q7



Thank you for choosing our product.  
Please read this manual carefully before flying.  
Retain this manual for future reference.  
As inconsistent with the specification in pictures, please prevail in kind.

感谢您选择我们的产品，飞行前请仔细阅读本手册。  
保留此手册以备日后查询，如图片与实物不符请以实物为准。

## CONTENTS 配置清单



- Remote control X1
- 遥控器



- Quadcopter X1
- 飞行器



- 3.7V 350mAh Lipo Battery x1
- 3.7V 350毫安锂电池



- Protective Guard x 2
- 防护罩



- Blades X4
- 主叶片



- Screwdriver X1
- 螺丝刀



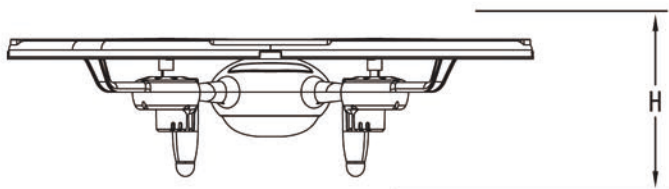
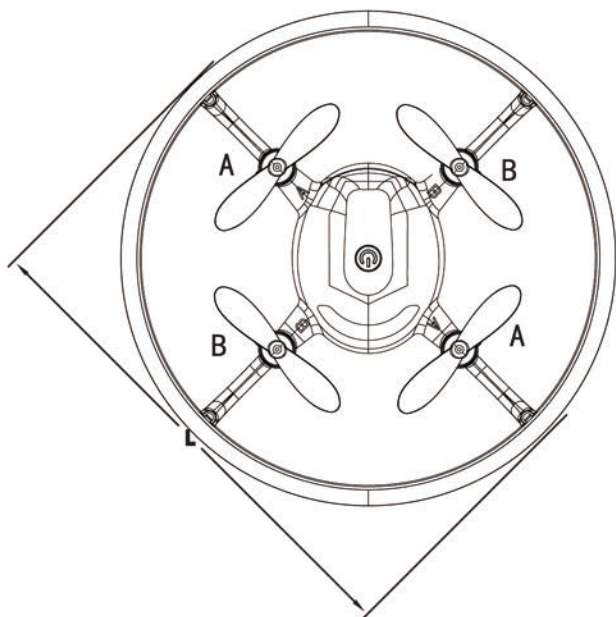
- Tool(Replacing propellers)
- 工具 (更换螺旋桨)



- USB Charger X1
- UAB充电电缆



- Instruction manual X1
- 说明书





## AIRCRAFT PARAMETERS 飞行器参数

Length	对角长度	120mm
Height	高度	45mm
Battery Specification	电池规格	3.7V 350mAH
Flight time	飞行时间	6-8mins

# INTRODUCTION 前言

## WARNING LABEL LEGEND 标志代表涵义

 <b>WARNING</b> 警告	Mishandling due to failure to follow these instructions may result in damage or injury. 因疏忽这些操作说明, 而使用错误可能造成财产损失或严重伤害。
 <b>FORBIDDEN</b> 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

R/C aircraft is not a toy, 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.

四轴飞行器并非玩具, 有一定危险性, 请您按照安全注意事项与操作说明来正确使用该模型, 任意改装拆解或使用不当以及产品的不熟悉, 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 of 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耗异常, 组装不当或不安全的环境操作所发生的意外负任何责任, 本产品使用年龄14岁以上, 请确保在安全无误的环境下操作, 产品出售后本公司不负责任不当操作/拆卸/改装所引起的财产损失与人身伤害。

We recommend that you seek the assistance or 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 contact our distributors are not covered by any warranty and cannot discounted rates when you experience problems during operation or maintenance.

模型商品属于需高操作技术且为消耗性商品, 如经拆装使用后, 会造成不等情况零件损耗, 任何使用情况所造成商品不良或不满意, 将无法于保修条件内更新品或退换, 如遇有使用操作维修问题, 本公司全省分公司或代理将提供技术指导, 特价零件供应服务。

## SAFETY NOTES 安全注意事项



Be sure to stay from the crowd when flying. 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.

遥控模型, 四轴飞行器属于危险性商品, 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, 以及操控上的不熟悉, 都有可能造成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, 并需了解自疏忽所造成任何意外之责任。



Special design for indoor & outdoor, please keep it away from obstacle  
室内、室外专用机, 请远离障碍物

This product is suitable for indoor and outdoor (the wind grade should not be on more than 4). Please choose a place without obstacle, and keep distance from crowd and pets. Don't play it under unsafely, for instance, heat source, wire or electronic power source, in order not to be damaged by collision landing, entanglement and lead to a fire, electric shock and cause losses of lives and property

本产品适合室内, 室外(包括室外风力不要大于4级)环境飞行的遥控飞行器, 飞行师请妥善选择无障碍的室内、室外场地, 并与人群或宠物等保持适当距离, 切勿于不安全的环境下操作, 如热源、电线、电源等等, 以免飞行器碰撞、迫降、纠缠而引发火灾, 电击等危险, 造成生命财产损失。







## PREVENT MOISTURE 远离潮湿环境

R/C aircraft are composed of many precision electrical components. It is important to keep the model and associated equipment away from moisture and other contaminants. The introduction or exposure to water or moisture in any form can cause the aircraft to malfunction, or a crash.

飞行器内部也是由许多精密的电子零组件组成，所以必须绝对的防止潮湿或水汽，避免在浴室或回南天时使用，防止水汽进入机身内部而导致机件及电子零件故障而引发不可预期的意外！



## PROPER OPERATION 勿不当使用本产品

Please do not disassemble or modify, upgrade or repair the product, please use the spare parts as provided, to make sure the safety of the structure. Please confirm the product boundary operation, do not overload use, and not used for safety, decrees, the other illegal purposes.

请勿任意拆卸或任意改造加工，任何升级改装或维修，请使用产品目录的零件，以确保结构的安全。请确认于产品界限内操作，请勿过载使用，并勿用于安全法令外其它非法用途。



## SAFETY NOTE FOR NI-MH BATTERIES 镍氢电池使用安全

Make sure the batteries are installed based on polarity indicated in the case and do not mix batteries of different chemistry/spec. Please take out the batteries if you are not going to use for a long time to avoid potential leakage which may damage the transmitter. Please dispose depleted batteries according to local laws and ordinances. Do not dispose improperly.

安装时请确认正负极位置，新旧电池请勿同时混用以影响电池寿命。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使用。废弃的电池，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。



## SAFETY NOTE ON LI-POLYMER BATTERIES 锂聚电池使用安全

Li-Polymer batteries poses higher operational risks compared to other battery chemistry, thus it is imperative to follow its usage instructions. Manufacturer and dealer assume no liability for accidental damages caused by improper usage.

Do not use charger other than the factory supplied unit to avoid potential fire and explosion. Do not crush, disassemble, burn, and reverse polarity. Avoid metallic materials to come into contact with battery's polarity and cause it short and even puncture batteries to avoid fire hazards. Battery charging must be done under supervision at all times, and at location out of reach by children.

If the battery is deteriorated after use, it is strictly prohibited to charge, otherwise it will cause the battery to expand, deform, explode, or even result in fire hazards.

Please dispose depleted batteries according to local laws and ordinances. Do not dispose improperly.

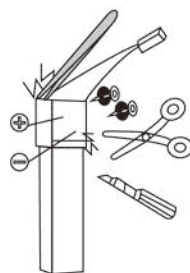
锂聚电池较其它电池有更高的危险性，使用前请务必详读并遵照下列注意事项使用本电池，本公司不对任何不当使用所造成的损害负责。

严禁使用原厂以外的充电器进行充电，以避免发生爆炸起火的风险。

严禁撞击、拆卸、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，以避免电池起火风险。

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。

电池使用后如有变质情况，严禁充电。否则会造成电池膨胀、变形、爆炸甚至起火燃烧，危害生命财产安全。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。



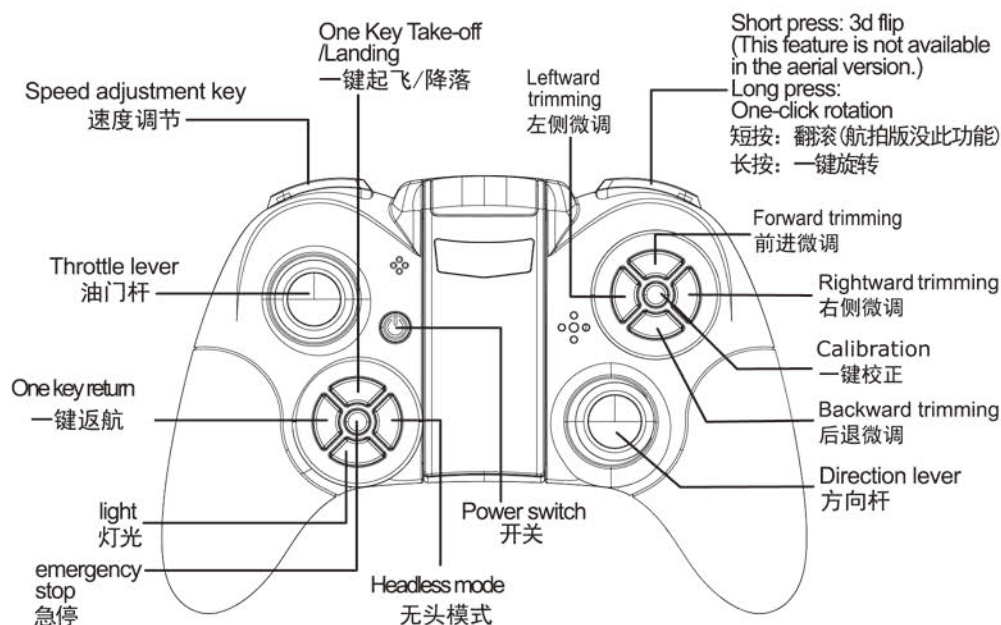
## KEEP AWAY FROM HEAT 远离热源

R/C aircraft are made of various forms or plastic. Plastic is very susceptible to damage or deformation due to extreme heat and cold climate. Make sure not to store the model near any source of heat such as an oven, or heater. It is best to store the model indoors, in a climate-controlled, room temperature environment.

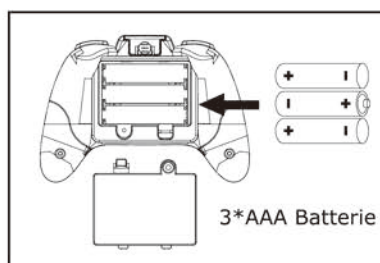
飞行器多半是以PA纤维或聚乙烯、电子商品为主要材料质，因此要尽量远离热源、日晒、以避免因高温而变形，甚至容毁损坏的可能。



## NAMES OF CONTROLLER 遥控器各部位名称



## REMOTE CONTROLLER BATTERY INSTALLATION 遥控器电池安装



1: Use the screwdriver to take out the battery cover.

2: Install 3pcs "AAA" battery.

3: Install the battery cover by using the screwdriver.

Note: Please follow the above photo to install the battery correctly.


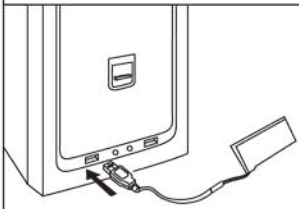
1、拧下遥控器上的螺丝,取出电池盖。

2、将3节“AAA”电池按极性装入电池仓内。

3、盖上电池盖,拧上螺丝。

注意: 电池应插入正确的极性。

## AIRCRAFT BATTERY CHARGING 飞行器电池充电

	<p>Take out the USB Charger , and insert the battery power port to the small end of it (Make sure the ports connect tight and correct)</p>	<p>把USB充电电缆和电源端口连接，并确保端口连接紧密、正确。</p>
	<p>Use USB to charge the aircraft batteries. Charging time: about 60 minutes When the battery charge is completed, unplug the USB Charger to avoid the loss of electric energy.</p>	<p>使用USB给飞行器电池充电。 注意： 充电时间：60分钟左右 当电池充电完成，请及时拔掉USB充电电缆，以免损耗电能。</p>

### LED Indicator USB 表示

Lights off  
灯灭



Charging  
充电中

Light  
灯亮



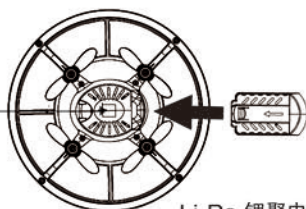
Charge Completion  
充电完成

For safety concerns, battery charging must be done under supervision at all times.

为了确保安全，充电时务必在视线范围内进行。

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

Press once and the light turns on, it means power on  
按一下，电源指示灯闪亮，表示电源被打开



Li-Po 锂聚电池  
3.7V 350mAh

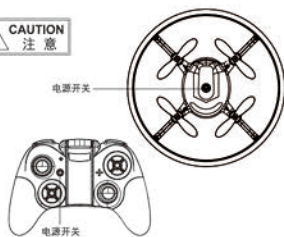
### Step1 步骤1

Placed the drone in a flat position, insert the Li-Po battery into the drone as photo showing, turn on the drone, don't move it until LED light turns slow flashing from quick flashing, then the controller can be connected with drone.

将飞行器置于平坦位置后，将锂聚电池电池依图所示方向推入电池座至定位，打开电源开关后，主板指示灯由快闪变成慢闪此时不要再移动机身，使遥控器对频与陀螺仪读取中立点。



电源开关



### Step2 步骤2

**Turn on the drone first**, then the controller. The controller will emit "DI" sound when turning on.

首先是打开无人机，再打开遥控器。开启时遥控器会发出“嘀”的声音。

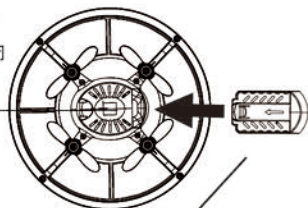
The LED of the drone will go from flashing to solid, indicating that the controller and the drone is now paired.

无人机的LED将从闪烁变为实心，表明遥控器和无人机配对完成。



Press for 3 seconds  
and the light turns off,  
it means power off

长按3秒，电源指示灯  
熄灭，表示电源被关闭



Li-Po 锂聚电池  
3.7V 350mAh

### Step3 步骤3

Take out the drone battery after flight.  
Please develop good habits so as not to cause  
security risks.

结束飞行时，请将飞行器电池安全取下，请养成良好的习  
惯以免造成安全隐患。



Warning: If the battery is not removed from the  
drone for long duration, the battery may be damaged  
due to over-discharge, or even become fire hazards.

电池未取下，将导致电池放电而损坏。  
甚至造成起火燃烧的危险。

### Step4 步骤4

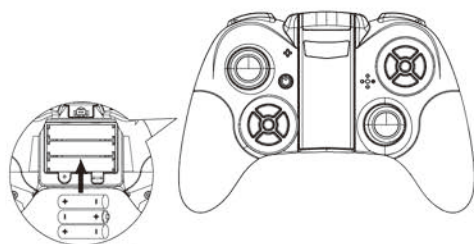
Turn off the transmitter. If transmitter is not to be used  
for a long time, please remove the battery for storage.

关闭发射器电源，长时间不使用时请将遥控器  
电池取出并妥善保管。



Warning: If the AAA batteries are left in the transmitter,  
potential leakage could occur which may damage the  
transmitter, and create fire hazards.

电池未取下，将导致电池漏液而损坏遥控器，  
甚至造成起火燃烧的危险。



If transmitter is not to be used for a long duration,  
please remove the battery for storage.  
长时间不使用时请将遥控器电池取出并妥善保管。

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

Before you are familiar with the flight vehicle, please don't fly, read the instruction carefully.

1. Place the flight vehicle in a clear open field and the tail of aircraft point to yourself.



2. Practice to operate the throttle stick (as below illustration).

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。

1. 将飞行器放在空旷的地方，并将飞行器的背面对准自己。

2. 练习操作遥控器的各摇杆（各动作的操作如下图）。

Operate 操作	ILLustration 图示	Operate 操作	ILLustration 图示
<p>Rise上升</p> <p>Drop下降</p>		<p>Forward 前进</p> <p>Backward 后退</p>	

Operate 操作	ILLustration 图示	Operate 操作	ILLustration 图示
Turn left 左旋转 Turn right 右旋转		Move left 左移 Move right 右移	

## TRIM ADJUSTMENT 飞行动作微调

Slowly raise the throttle stick to take off the aircraft, if it tends to different orientation, you may use the Trim Button for correction.

慢慢升起油门摇杆，当飞行器刚刚离开地面时，若飞行器倾向不同方向，可使用微调修正动作。

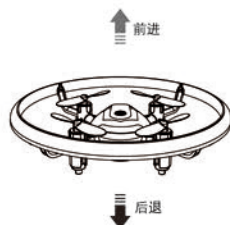
### Forward and backward trim. 前后动作微调

1. When the aircraft is starting to take off and it drifts forward /backward.

When drifting forward, adjust the Trim button to backwards until it is balanced.

When drifting backward, adjust the Trim button to forwards until it is balanced.

1. 在飞行器正要起飞时，飞行器朝前/后方向偏移  
 向前偏移时，微调向后调整直到平衡。  
 向后偏移时，微调向前调整直到平衡。



### Leftward and rightward trim. 左右侧飞微调

2. When the aircraft is starting to take off and it drifts leftward /rightward

When drifting leftward, adjust the Trim button to the right until it is balanced.

When drifting rightward, adjust the Trim button to the left until it is balanced.

2. 在飞行器正要起飞时，飞行器朝左/右方向移动。  
 向右移动时，微调向左调整直到平衡。  
 向左移动时，微调向右调整直到平衡。



## RECALIBRATION 重新校准

If the trim buttons do not correct the problem, please place the drone on a flat surface then recalibration it as follows.

如果微调不能解决问题，请把无人机水平放好然后并按以下方法重新校准。

Press the calibration button and the indicator on the drone will start flashing. Wait until the indicator stops flashing. It is now completed.

按下校准按键，无人机上的指示灯将启动闪烁。等待指示灯停止闪烁。至此完成。



一键校正



## HEADLESS MODE INSTRUCTIONS 无头模式

When syncing, the antenna of the transmitter must be aligned the tail of the quadcopter. In normal flight, when pressing headless button, it sounds DI-DI to enter headless mode, and the guide light flashes. Press this button again, it should DI to exit headless mode.

飞行器对频起飞时，遥控器必须正对飞行器尾部，对频完成起飞后，按下遥控器无头模式按键进入无头模式，机身灯光闪烁，同时遥控蜂鸣器发出“滴滴”的响声，再按一下无头模式按键，退出无头模式。

## A KEY RETURN 一键返航

When the quadcopter fly far away, one key return button can recall the quadcopter. After binding the quadcopter, the antenna of the transmitter must be aligned the tail of the quadcopter when it take off. Press the one key return button to go into return mode with the light flash. Press the button again to exit return. During the returning, the forward and backward movement of right lever can interrupt this function.

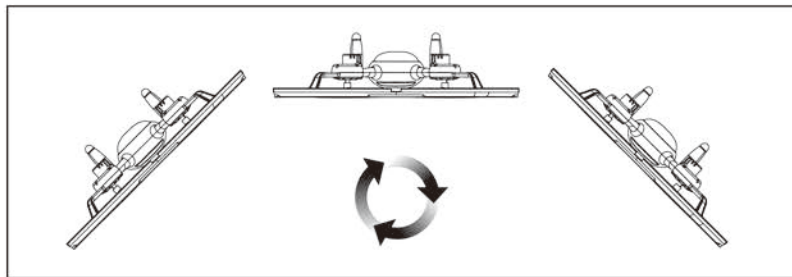
飞行器飞行距离较远时，可使用返航功能召回飞行器。飞行器对频起飞时，遥控器必须正对飞行器尾部，对频完成起飞后，按下遥控器一键返航按键进入返航模式，机身灯光闪烁，再按一下一键返航按键，退出返航模式；返航过程中右操纵杆前后动作可中断此功能。

## HIGH AND LOW SPEED SWITCHING 高低速切换

The default speed is low. Press the button to have the medium speed, press it again to have the high speed.

飞行器配置有高/中/低3种速度，初始值为低速，按下“速度键”可切换为中速，再按一下可切换到高速。

## 3D FLIP 3D 翻滚



**3D Eversion instructions** When you are familiar with basic operation, you can do some awesome & exciting tricks and stunts! First of all, fly the aircraft to a height of more than 3 meters, press the 3D Eversion switch on the rear right side of the transmitter, then push the right rudder (in any direction) to make 360 degree flip.

按一下此功能键进入翻滚模式，遥控器蜂鸣器发出“滴滴”响声，推动右操作杆，飞行器随推动方向作翻滚动作，同时响声消失，进入正常模式。

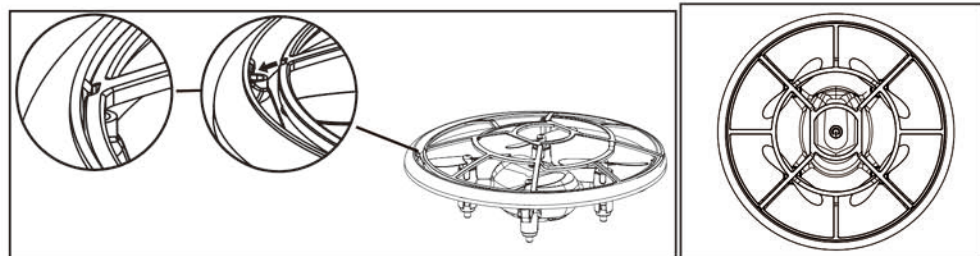
(温馨提示：使用3D翻滚时请把摄像头的插头拔出)

(Important Notes: Please pull out the connector plug of the camera when using 3D flip.)

## PROPELLER GUARD INSTALLATION 螺旋桨保护罩安装

please mount the propeller guard to the four frame buckles as shown below:

请将螺旋桨护罩安装在四个框架扣上，如下图所示：



Correct Guard Installation  
正确的保护装置

## THE OPERATION OF AUTO HOVER FUNCTION 定高操纵说明

### (START THE DRONE) 启动飞行器

Method 1: Press One Key Take-off button once, the propeller will start spinning and the drone will fly up.

方法1：一键起飞按键按一下，飞行器风叶缓慢旋转然后自动离地飞到半空中。

Method 2: Pull the left joystick to the bottom left corner and the right joystick to the bottom right corner at the same time for about 1 second, the propellers will spin slowly.

方法2：将左右操纵杆向外打“外八字”约1秒后，飞行器风叶缓慢旋转。

### ALTITUDE HOLD FUNCTION 气压定高悬停功能

Pull the left joystick upwards and then downwards and release it, the drone will still stay at the height when it released.

用左操纵杆（油门）操纵飞行器上升/下降后松开左操纵杆（油门）时，飞行器仍会悬停在松开操纵杆（油门）时的高度。

### (TURN OFF THE DRONE) 关闭飞行器

Method 1: Long press the emergency stop button, the propeller will stop working, then the drone is locked.

方法1：飞行器启动后，长按一下遥控器上急停按键，风叶停止旋转，飞行器锁定。

Method 2: Pull the left joystick to the lowest for about 3 seconds, the blade will stop spinning.

方法2：将左操纵杆（油门）拉到最低端，约3秒后，飞行器风叶停止旋转。

### (ONE KEY START) 一键降落

When the drone flying, press the One Key Startthe drone will land, and you can control it land to one place.

当飞行器处于高空飞行时，一键降落按键向下按一下，飞行器缓慢降落，此时可以通过转向或右操纵杆操控飞行器到某个点后飞行器风叶停止旋转。

### (ONE KEY LANDING) 一键急停

When the aircraft collides during the flight and cannot be controlled, the emergency stop button can be pressed the One Key Landing button the drone will land slowly, at this point you can use the right joystick to control it to fly to a certain point and the propeller will stop spinning.

当在飞行过程中飞行器发生碰撞，无法控制时，紧急情况下方可按急停按键，实现飞行器急停飞行。

# TROUBLESHOOTING GUIDE 如何排除飞行中的异常

	SITUATION 状况	THE REASON 原因	COUNTERMEASURE 对策
1	After the power is turned on, the indicator light of the receiver continues to flash, and the operation does not respond. 开启电源后接收器指示灯持续闪烁, 操作无反应。	Unable to pair with the transmitter. 遥控器与接收器未对频成功。	Repeat the pair between controller and receiver. (refer to page 6-7). 请重新执行遥控器与接收板的对频动作。
2	No response after battery is connected to aircraft. 开启电源后飞行器没有任何反应。	1. Check power supply of transmitter and receiver. 2. Poor contact on battery terminals. 3. Check if the power switch has been turned on. 1. 检查遥控器和接收器是否接通电源。 2. 电源插头接触不良。 2. 检查电源开关是否打开。	1. Turn on transmitter and ensure flight vehicle battery is inserted properly. 2. Use fully charged batteries. 3. Re-insert the battery and ensure good contact between battery contacts. 4. Please switch to the ON position. 1. 确保遥控器和飞行器电池安装正确。 2. 使用完全充电充饱的电池。 3. 重新插入电池, 确认电池和电板电源插头的接触是否正常。 4. 请将电源开关拨到ON位置。
3	Motor does not respond to throttle stick, receiver LED flashes. 推动油门摇杆时马达不转, 且接收器指示灯开始闪烁。	Battery has no power 飞行器锂聚电池电量不足。	Fully charge the battery, or replace with a fully charged battery. 将电池充电或更换另一个充饱的电池。
4	Main blade spins but unable totakeoff. 飞行器主旋翼有持续转动但不能起飞。	1. Blade deformation. 2. Aircraft battery depleted. 1. 旋翼变形。 2. 飞行器电池电量不足。	1. Replace main blades. 2. Charge or replace with a fully charged battery. 1. 更换主旋翼。 2. 将电池充电或更换另一个充饱的电池。
5	Strong vibration of aircraft. 飞行器震动得很厉害。	Blade deformation. 旋翼变形。	Repace the blade. 更换旋翼。
6	Aircraft rotates after trimming, or different speeds between left /right blades. 已调整方向微调, 但机身仍会打转, 左旋/右旋速度不一致。	1. Damaged blades. 2. Damaged motor. 1. 旋翼变形。 2. 马达不良。	1. Repalce blade. 2. Replace motor. 1. 更换旋翼。 2. 更换主马达。
7	aircraft will drift backward or left /rightwards. 飞行器会往后或往左右偏移。	Gyroscope not at the midpoint. 陀螺仪不在中点。	turn on the aircraft again reset the aircraft on. Refer to P.6-7. 重新开机对频校正参照第6-7页。
8	Aircraft fails to take off after crashes. 飞行器跌落后飞不起来。	1.motor fall out.. 2.gear loosen. 1. 电机脱落。 2. 齿轮松脱。	1.install the motor again. 2.tighen the gear. 1. 重新装回电机。 2. 把齿轮装紧。



## **FCC Compliance**

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.

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

**The Company has the right of final interpretation of  
this instruction manual statement.**

**本公司拥有此说明书最终解释权**