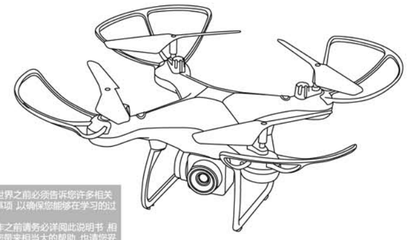
适合年龄14+

遥控四轴飞行器

使用说明书

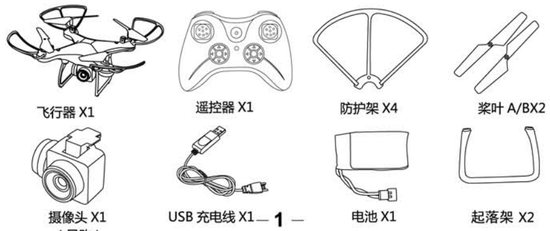


进入遥控世界之前必须告诉您许多相关的知识与注意事项 以确保您能够在学习的过程中得心应手。
在开始操作之前请务必详阅此说明书 相信一定能够给您带来相当大的帮助 也请您妥善保管这本说明书 以供日后参考。

普通版

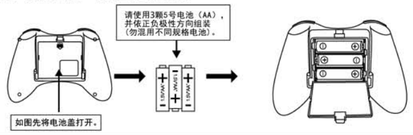
定高版

1 产品包装内容



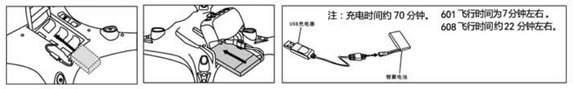
2. 遥控器电池安装

请依照箭头方向先将电池盖打开，然后将 3 粒 5 号碱性电池依照电池箱的极性依次装入（电池需另购 ,且不可混用新旧不一或类型不同的电池）



3. 飞行器的电池充电

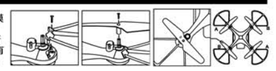
3.1 将 USB 充电器插入电脑的 USB 接口或其它接 USB 的充电器上 ,然后接通电源，指示灯亮；
3.2 将电池从飞行器上取出，再将电池插头跟 USB 充电器上的插座连接进行充电；
3.3 电池在充电过程中，指示灯亮，充电饱和后指示灭。



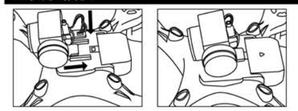
4. 组装飞行器和安装桨叶

4.1将四组防护罩如图所示插入飞行器四组风叶旁的防护罩孔位内，并用螺丝刀锁紧1颗螺丝。

4.2 飞行器的桨叶并不是每一片都一模一样的，每个桨叶上都标有 "A" 或 "B"。安装桨叶时请按下图所示对应标签正确安装。当桨叶没有正确安装时，飞行器会无法起飞、侧翻、摔飞。

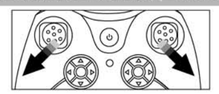


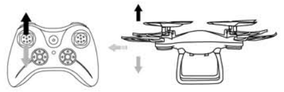
5. 安装相机



6. 飞行器的操作与控制

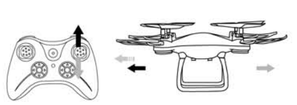
注意：飞行器起飞前需先校正对频。校正时飞行器灯光闪烁，校正完成后灯光常亮。避免失控，在控制飞行器移动时需要始终注意慢慢的操作控制杆，在操作过程中飞行器会丢失一点动力，所以可以加进一点额外的油门使飞行器的飞行练习中保持一定高度。（箭头为机头朝向）



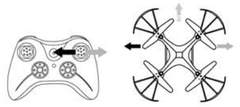


左控制杆控制飞行器上升 / 下降

左控制杆控制飞行器左转 / 右转



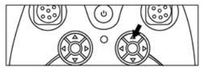
右控制杆控制飞行器前进 / 后退



右控制杆控制飞行器左右侧飞

7. 微调

如果飞行器飞行时出现（左转 / 右转；前进 / 后退；左侧 / 右侧）偏移时，反方向拨动对应的微调键进行调节。例如：飞行器往前方偏移则如图往后方拨动"前进 / 后退微调"键进行调节。



8. 快慢档调节

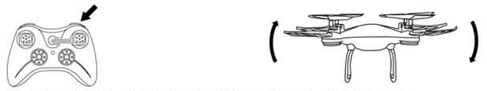
此款飞行器可以实现 3 种模式的操作：低级(30%)-- 中级(60%)-- 高级(100%)
拨动"速度转换"开关进行设置：
拨动后遥控器风鸣器响一下 = 飞行器进入低级模式（慢档可达 30%）
拨动后遥控器风鸣器响两下 = 飞行器进入中级模式（中档度可达 60%）
拨动后遥控器风鸣器响三下 = 飞行器进入高级模式（快档度可达 100%）

通过此按键可调节飞行器的敏感度，敏感度数值越大，飞行器反应越快；反之越慢。

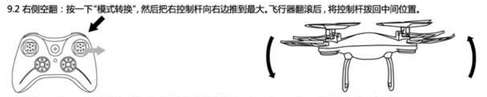
9. 翻滚模式

此飞行器通过下面的操控可以做 360 度的翻滚飞行。为了更好的执行翻滚功能，确保飞行器和地面保持 5 米以上的高度，最好在上升的过程中操作进行翻滚，这样飞行器翻滚后更容易保持高度。

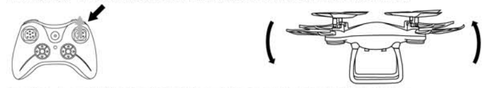
9.1 左侧空翻：按一下"模式转换"，然后把右控制杆向左边推到最大。飞行器翻滚后，将控制杆拨回中间位置。



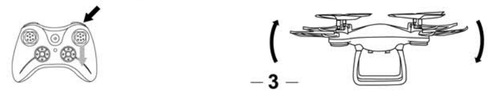
9.2 右侧空翻：按一下"模式转换"，然后把右控制杆向右边推到最大。飞行器翻滚后，将控制杆拨回中间位置。



9.3 前空翻：按一下"模式转换"，然后把右控制杆向前边推到最大。飞行器翻滚后，将控制杆拨回中间位置。



9.4 后空翻：按一下"模式转换"，然后把右控制杆向后面推到最大。飞行器翻滚后，将控制杆拨回中间位置。



进入"翻滚模式"后，如果不需要翻滚功能，需再按一下"模式转换"按键退出此模式。

10. 无头模式与一键返航

即在飞行中 ,不管飞行器处于什么位置、不管它的姿态在什么方向 ,只要您点击无头模式按键 ，飞行器自动锁定起飞时的方向。当飞行中发现飞行器已经离开您很远 ,分不清楚方向的时候 ,这时点击无头模式键 ,就可以不用认方向的去控制飞行器返航；或者点击自动返航键飞行器将自动返回起飞方向。
10.1 对码时飞行器的机头必须朝前方(不然无头模式和自动返航模式打开后方向会错乱)
10.2 当你需要使用无头模式时 ,点击无头模式键 ,飞行器就会以飞行器前进的方向锁定位置。
10.3 当你不需要使用无头模式时 ,再点击无头模式键 ,退出无头模式。
10.4 当你需要自动返航时 ,点击自动返航键 ,飞机器就会按起飞时的方向自动退回。
10.5 自动返航过程中可手动控制飞行器的左右方向 ,推前进操纵杆可退出自动返航功能。
警告：尽量选择视野开阔处和行人较少的地方使用此飞行器 ,以免造成不必要的损失！

11. 相机的使用

11.1 接通飞行器电源，然后开启遥控器并对码。
11.2 按一下遥控器上的"照相"键，此时相机将拍摄一张相片（拍照时四个 LED 灯会闪一下）。
11.3 按一下遥控器上的"摄像"键，此时相机进入摄像模式（摄像时四个 LED 灯会闪两下）。再按一下遥控上的"摄像"键，此时相机退出摄像模式。
11.4 退出摄像模式，然后关闭电源，最后取出 SD 卡。

1. 请确保按上述步骤操作，否则将导致某些功能将异常。
2. 拍照时，因存储数据的需要，两次拍照的时间间隔不得小于 2 秒。
3. 如果 SD 卡不能存储数据，请将其格式化后再使用。
4. 如果飞行器发出低电警告时应注意及时退出摄像功能保存录像，飞行器断电后不会自动保存录像。

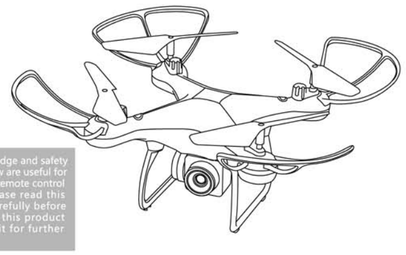
12. 如何排除飞行中的状况

	状况	原因	对策
1	接上飞行器电池接收器指示灯持续闪烁，操作无反应	遥控器与接收器未对频成功	请重新执行遥控器与接收机板的对频动作
2	接上飞行器电池后飞行器没有任何反应	1.检查遥控器和接收器是否接通电源 2.检查遥控器和接收电池的电压 3.电池极片接触不良	1.打开发射器与确认插入飞行器电池至定位 2.使用完全充电饱满的电池 3.重新插入电池，确认电池和电池极片的接触是否正常
3	推动油门摇杆时马达不转，且接收器指示灯开始闪烁。	飞行器锂聚电池电量不足	将电池充电或更换另一个充饱的电池
4	飞行器主旋翼有持续转动但不能起飞	1.主旋翼变形 2.直升机电池电量不足	1.更换主旋翼 2.将电池充电或是更换另一个充饱的电池
5	飞行器震动的很厉害	1.主旋翼变形	1.更换主旋翼
6	已调整方向微调，但是机身仍会打转，左旋/右旋速度不一致	1.尾旋翼变形 2.尾马达不良	1.更换主翼 2.更换主马达
7	飞行器仍会往前或往后偏移	1.陀螺仪中点不对	1.开机后将升降微调归中立点，重新开机
8	飞行器跌落后飞不起来	1.电机脱落 2.牙轮松脱	1.重新装回电机 2.把牙轮装紧

AGES 14+

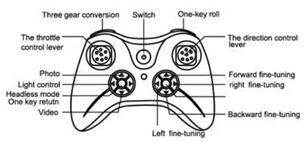
R/C QUADCOPTER

INSTRUCTION FOR USE

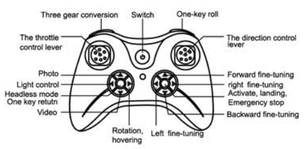


The knowledge and safety notes below are useful for you in the remote control world. Please read this manual carefully before operating this product and keep it for further reference.

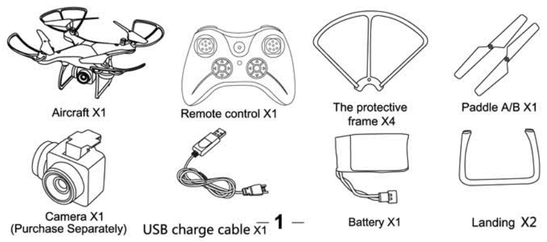
General Edition



Set Height Edition

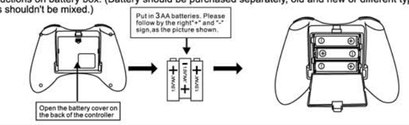


1. THE PRODUCT PACKAGING CONTENTS



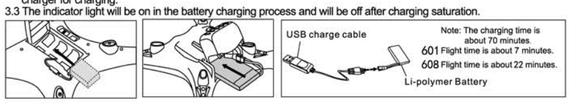
2. THE INSTALLATION OF BATTERY OF REMOTE CONTROL DEVICE

Open the battery cover on the back of remote controller. Insert 3X1.5V "AA" batteries in accordance with the instructions on battery box. (Battery should be purchased separately, old and new or different types of batteries shouldn't be mixed.)



3. THE BATTERY CHARGING OF FLYING DEVICE

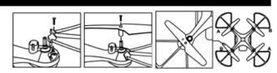
3.1 Insert USB charger into the USB interface on the computer of other chargers and then plug in, the indicator light will be on.
3.2 Remove the battery from the aircraft, and then connect the battery plug to the socket on the USB charger for charging.
3.3 The indicator light will be on in the battery charging process and will be off after charging saturation.



4. QUADCOPTER ASSEMBLING

4.1 Insert four protection covers into the holes of the the protection cover, which beside the four blades, and use the screw knife to lock four screws lightly.

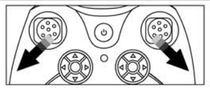
4.2 Each paddle of flying device are not same, on each blade is marked with "A" or "B". When installing of paddle, please perform correctly installation according to the corresponding labels as shown in figure below. When paddle is not correctly installed, flying device can't take off, roll over, and skating fly.

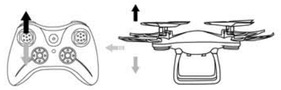


5.THE INSTALLATION OF CAMERA

6. THE OPERATION AND CONTROL OF FLYING DEVICE

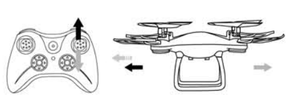
Note: Aircraft before takeoff must first correct the frequency. Aircraft lights flashing when the correction, the correction is completed after the lights is. In avoidance of uncontrollable, when flying device moves, it always needs to pay attention on the operating lever carefully; in the process of operation, the flying device may lose a little power, thus it needs to add power to march.(The direction of aircraft head)



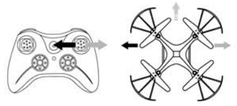


The left control level controls the rising and falling of flying device.

The left control lever is to control turning left /right of flying device



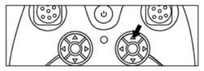
The right control lever is to control turning marching / retreating t of flying device



The right control lever is to control aircraft left and right side fly

7. FINE-ADJUSTMENT

When the flying device is in the flight, it appears deviations (turning left/right; marching/retreating; left/right side); it is to adjust them by turning the opposition direction corresponding slight keys. For example: the flying device is deviated to front, so it is to adjust by turning the backward "marching/retreating slight" key as shown in figure.



8. THE SETTINGS OF SENSITIVITYM

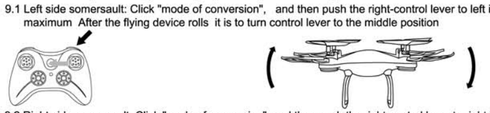
The aircraft can achieve the 3 modes of operation: low level (30%), intermediate level (60%) - high level (100%)
Toggle "speed conversion switch" for setting:
Slide it, the buzzer on remote controller will beat once = The aircraft moves at a low speed (up to 30%);
Slide it, the buzzer on remote controller will beat twice = The aircraft moves at a medium speed (up to 60%);
Slide it, the buzzer on remote controller will beat three times = The aircraft moves at a high speed (up to 100%).

Through this key, it can adjust sensitivity of flying device, the greater the sensitivity value is, the faster the flying device response; conversely, it is slower.

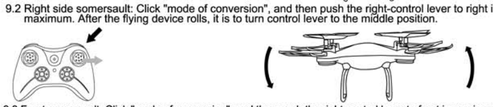
9. THE ROLLING MODEL

The flying device can perform rolling flight of 360 degrees by following operation. In order to better implement rolling function, and endure flying device is kept five meters height above the ground, it is better to operate rolling in the process of rising up. In this case, the flying device can be kept with height after flying device performs rolling action.

9.1 Left side somersault: Click "mode of conversion", and then push the right-control lever to left in maximum After the flying device rolls it is to turn control lever to the middle position

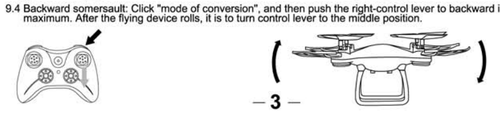


9.2 Right side somersault: Click "mode of conversion", and then push the right-control lever to right in maximum. After the flying device rolls, it is to turn control lever to the middle position.



9.3 Front somersault: Click "mode of conversion", and then push the right-control lever to front in maximum. After the flying device rolls, it is to turn control lever to the middle position.

9.4 Backward somersault: Click "mode of conversion", and then push the right-control lever to backward in maximum. After the flying device rolls, it is to turn control lever to the middle position.



AFTER ENTERING INTO THE "ROLL MODE", IF THERE IS NO NEED OF ROLLING FUNCTIONS, THEN CLICK THE "MODE CONVERSION" KEY

10. HEADLESS MODE WITH ONE KEY RETURN

That is in flight, no matter what position the aircraft is, no matter what direction it's attitude, as long as you click on the headless mode button, automatic locking direction aircraft takeoff. When found in aircraft flight has left you very far when you could not tell the direction, then click on the headless mode key, you can not recognize the direction to control the aircraft return; return key or click the auto-off direction of the vehicle will automatically return.
10.1 of the code of the aircraft must head toward the front (or rear headless mode and automatic mode opening direction will return disorder)
10.2 When you need to use the headless mode, click on the headless mode key, the vehicle will automatically lock the direction of takeoff.
10.3 When you do not use the headless mode, then click the headless mode button to exit the headless mode.
10.4 When you want to automatically return, click the button to automatically return the aircraft is in the direction of takeoff will be automatically refunded.
10.5 Automatic return process can be controlled manually about the direction of the aircraft, pushing the joystick forward to exit automatic return function.
Warning: Try to choose less vision and pedestrians at the place with this aircraft, so as to avoid unnecessary losses!

11. THE APPLICATION OF CAMERA

11.1 After connected with power supply of flying device, then it is to start up remote control device and proofreading of codes.
11.2 To turn up the "camera" key on the remote control device, and then the camera will take a photo (4 LED lights flash 1 time when you take pictures).
11.3 To turn up the "camera" key on the remote control device, and then the camera will enter to mode of camera (4 LED lights flash 2 times when you take films), and turn down the "camera" key on the remote control device, at this moment, the camera returns from camera mode.
11.4 To exit the camera mode, then turn off the power, and finally remove out the SD card.

1. Please make sure to follow up the procedures above. Otherwise it will lead to some functions abnormal.
2. In photo-taking, because the need of data storage, the interval of two photo-takings is not less than two seconds
3. If SD can't store data, please formatting before use.
4. If the aircraft when low battery warning note issued promptly withdraw save the video camera function, power failure after the aircraft does not automatically save the video.

12. TROUBLE SHOOTING DURING FLIGHT

	Situation	Cause	Way to deal
1	Receiver staus LED blinks continuously for more than 4 seconds after flight vehicle battery inserted. No response to control input.	Unable to bind to transmitter.	Repeat the power up initializing process.
2	No response after battery is connected to flight vehicle.	1. Power to transmitter and receiver. 2. Check transmitter and receiver voltage. 3. Poor contact on battery terminals.	1. Turn on transmitter and ensure flight vehicle battery is inserted properly. 2. Use fully charged batteries. 3. Re-seat the battery and ensure good contact between battery contacts.
3	Motor does not respond to throttle stick,receiver LED flashes.	Flight vehicle battery depleted.	Fully charge the battery, or replace with a fully charged battery.
4	Main rotor spins but unable to take off.	1. Deformed main blades. 2. Flight vehicle battery depleted	1. Replace main blades 2. Charge or replace with fully charged battery.
5	Strong vibration of flight vehicle	1.Deformed main blades	1. Replace main blades
6	Tail still off trim after tab adjustment, or inconsistent speed during left/right pirouette.	1. Damaged tail rotors 2. Damaged tail drive motor	1. Replace main blades 2. Replace the main motor
7	Flight vehicle still wonders forward after trim adjustment during hover.	1. Gyroscope midpoint not	1. The boot will lift fine-tune the normalized neutral point, reboot
8	Flight vehicle still wonders left/ right after trim adjustment during hover.	1. Motor off 2. Cone loose	1. Replace the motor 2. Installed tight cone