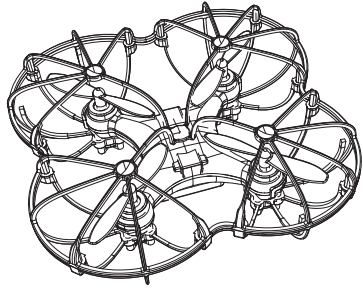


AGES 14+
适用年龄：14+

AIRCRAFT FUNCTION OPERATING MANUAL

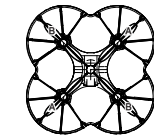
飞行器 使用说明书



※ Please read this manual carefully before operation and keep it properly for future reference.

※ 请在飞行前仔细阅读说明书并妥善保管以便日后参考。

Component Description 各部件说明



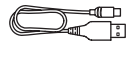
DRONE x1 (Battery included)
无人机 x1 (内含电池)



Remote Control x1
遥控器 x1



Propellers AB
风叶 AB



USB Charger x1
USB 充电器 x1

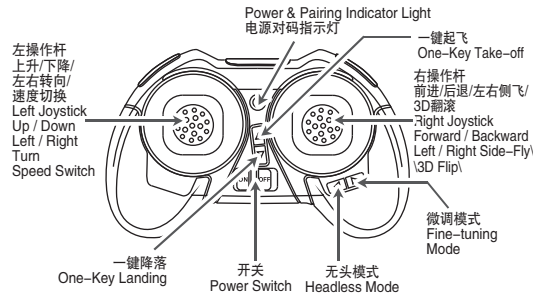


Fan blade tool x1
风叶拆卸工具 x1



User Manual x1
说明书 x1

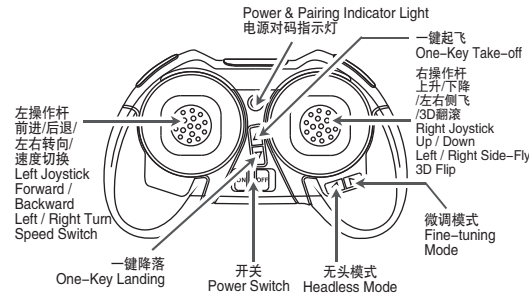
Introduction to Remote Control Functions 遥控器各项功能介绍



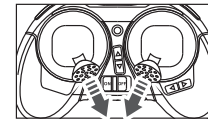
左手油门 Throttle Left (MODE 2)

1

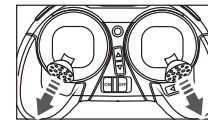
按住无头模式按键，打开电源开关，可切换右手油门。
Hold down the Headless Mode button and turn on the Power Switch to switch to Throttle Right (MODE 1).



右手油门 Throttle Right (MODE 1)



Stick-in Arming
内八解锁



Stick-out Disarming
外八上锁

2

Operating Notes 控制注意事项

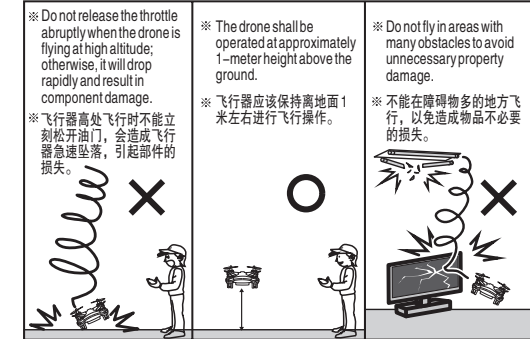
Control Range: The drone's flight range is approximately 50 meters. The drone may lose control if out of range.

Warning: Flying in strong wind may cause the drone to go beyond the control range and result in loss of control.

控制范围：飞行器飞行范围大概50m左右，如果超出范围，飞行器将会失控。

警告：强风中飞行，可能使飞行器超出控制范围，导致飞行器失控。

Please refer to this manual to ensure correct flight operation.
请参照说明书以确保正确的飞行操作。



3

PRE-FLIGHT PREPARATION

飞行前准备

FLIGHT ENVIRONMENT 选择飞行环境



Indoor: Spacious spaces away from barriers, crowds or pets are preferred.
在室内飞行：请选择附近无障碍物、人群和宠物的开阔空间飞行。



Outdoor: Sunny, windless and breezy weathers are preferred.

在室外飞行：请选择晴朗无风的天气或微风天气飞行。



Please keep the drone in sight during the flight and keep it away from barriers, high-tension cables, trees and people.
飞行时请保持飞行器在视线范围之内，并远离障碍物、高压线、树木、人群等。



Do not fly in extreme environment, such as hotness, coldness, strong wind or heavy rain.

切勿在极端恶劣的环境下飞行，如过冷、过热、强风、暴雨等。

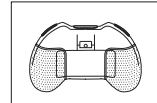
4

Battery Installation and Charging Instructions

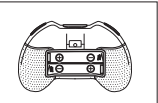
电池的安裝及充电的方法

Battery Installation 电池的安裝

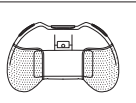
Note: Install the battery with correct positive-negative polarity orientation.
注意：电池需要按正负极方向进行正确安装



1. Open the remote-control battery cover.
1. 打开遥控器电池保护盖。



2. Insert two 1.5V AAA alkaline batteries (batteries not included).
2. 装入2颗1.5V "AAA" 碱性电池 (不包含电池)

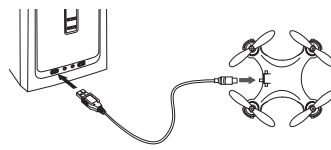


3. Close the battery cover.
3. 关闭电池保护盖。

Drone Charging 飞行器充电

Connect the drone to the charging cable, then plug the USB charging cable into a computer USB port or other USB-enabled charger. The USB indicator lights up during charging and turns off once fully charged. Except for Apple chargers, this USB charging cable is compatible with other smartphone chargers, power banks, or car USB ports for charging. The voltage of the USB port shall be +5 ± 0.5V.

将飞行器与充电线连接，然后将USB充电线插入电脑的USB接口或其它接USB的充电器上，USB指示灯亮时表示正在充电，灯灭时表示充满。除了苹果充电器，此USB充电线可以连接到其它智能手机的充电器或者移动电源上，或者汽车的USB接口上进行充电。USB接口处的电压为+5±0.5V。



5

BATTERY INSTRUCTIONS 电池使用注意

• There is a certain risk when using lithium battery. It may cause fire, body injury or property loss. Users must be aware of the risks and take full responsibility of using battery improperly.
使用锂电池有一定风险，可能对人和财产造成重大损失，请谨慎使用，自行承担所有相关责任。

• If battery leakage occurs, please avoid contacting your eyes or skin with electrolyte. Once it happens, please wash your eyes with clean water and seek medical care immediately.
如果电池发生泄漏，请避免液体与皮肤和眼睛接触。若接触到皮肤，请立即以香皂和清水清洗。若接触到眼睛，请立即以大量冷水冲洗并立即就医。

• Please remove the plug immediately if you sense any peculiar smell, noise or smog.
如果充电器发出可疑异味、噪音或者烟雾，请立即拔除电源。

Battery Charging 充电

• Please use the charger from original factory to ensure your safe usage.
请使用原厂配送的专用充电器充电，严禁使用破损或其他品牌充电器。

• Do not charge dilutant or outworn battery.
请勿对膨胀、泄漏或破损的电池充电。

• Do not over charge battery. Please unplug the charger once fully charged.
请勿对电池过度充电。当电池完全充满后，请拔出充电器。

• Do not charge battery which not cool down yet.
切勿在使用产品后电池尚热时立即充电。

• The charging temperature should be between 0°C to 40°C.

充电的温度应该处于 0°C 到 40°C 之间。

Battery Recycling 回收

• Do not dispose the battery as daily rubbish. Please familiarize yourself with the local garbage disposal method and dispose it according to the special requirement.
此设备由电子元件和电池构成。关于电子电器垃圾，请按照当地垃圾处理要求，进行特殊处理。

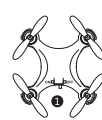
6

Pairing 对频

Correct Power-on Startup Sequence as follows:
开机程序正确的启动顺序如下：

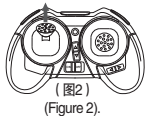


① Turn on the drone power, place the drone on a flat horizontal surface and keep it stationary. The drone indicator light flashes.
① 打开飞行器电源，将飞行器放在水平面上，静止不动。飞行器指示灯闪烁。



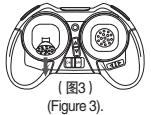
② Turn on the remote-control power. The remote control beeps twice. Push the throttle joystick (Figure 2) to the maximum position. After hearing one beep, pull the throttle joystick down to the minimum position (Figure 3).

③ Pairing is successful when the drone indicator stops flashing.
③ 待飞行器停止闪烁时表示对频成功。



(图2)

(Figure 2).



(图3)

(Figure 3).

TRANSMITTER CALIBRATION 遥控器校准

If the drone fails to take off vertically, calibrate the drone as follows: push the left and right control sticks to the lower-left and upper-left positions respectively. You will hear a "beep" sound, and the indicator light on the drone will flash rapidly. Wait until the indicator light stays solid on, and the calibration is finished.

Calibration must be carried out when the drone is placed level and parallel to the horizontal plane; otherwise, the calibration result will be affected.

若无人机起飞不能垂直上升，可对无人机校正，将左右控制杆分别拨向左下和左上，听到“滴”一声，此时无人机上指示灯快速闪烁，等待指示灯常亮，校正完成。在执行校正命令时，必须在与水平线平行的平稳状态下执行，否则会影响校正效果。



7

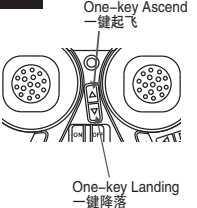
One-key Ascend
一键起飞与一键降落

Press the "One-Take Off" button, the drone propellers will spin and automatically ascend to a height of approximately 1.5 meters. Press the "One-Land" button, and the drone will land automatically.

Note: After successful pairing, you can also push the throttle lever upward directly to take off.

按下“一键起飞”按键，无人机风叶转动，自动飞到1.5米左右的高度。按下“一键降落”按键，无人机自动降落。

注：对码成功后，也可直接向上推油门起飞。



Fine-tuning Function 微调功能



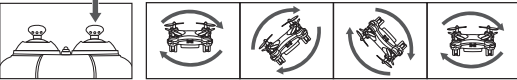
Press and hold the fine-tuning mode button. The remote-control red indicator flashes rapidly to enter fine-tuning mode. 长按微调模式按键，遥控红色指示灯快闪，进入微调模式。

Introduction to fine-tuning Adjustment 微调调整介绍		Left-hand Throttle 左手油门	Right-hand Throttle 右手油门
Backward Fine-tuning 向后微调		The drone drifts forward while hovering; pull the control joystick backward. 悬停状态下，飞行器向前偏移，向后拨动控制摇杆。	
Forward Fine-tuning 向前微调		The drone drifts backward while hovering; push the control joystick forward. 悬停状态下，飞行器向后偏移，向前拨动控制摇杆。	

3D Flip 3D翻滚飞行

Short-press the flip button during flight; the remote controller will beep three times. Push the joystick to full-speed position to perform forward, backward, left and right flips.

飞行状态下，短按翻滚键，遥控器发出“滴滴滴”的声音，推下方向杆，达到全速，可做前后左右翻滚动作。



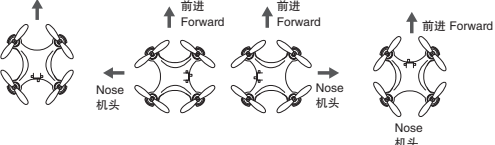
Headless Mode 无头模式

Short-press the headless mode button to enter headless mode during flight; short-press again to exit headless mode.

飞行状态下，短按无头模式键进入无头模式；再次短按可退出无头模式。



Nose Orientation
机头指向



After drone calibration or pairing, the nose direction will always correspond to the joystick forward direction when headless mode is activated. The forward direction remains unchanged no matter which direction the drone nose turns.

飞机校正时，或者对码后机头指向始终是切换到无头模式后的遥控前进方向，无论机头旋转到任何方向，前进方向始终不变。

Introduction to Fine-tuning Adjustment 微调调整介绍		Left-hand Throttle 左手油门	Right-hand Throttle 右手油门
Left-side flight Fine-tuning 左侧飞微调		The drone drifts left while hovering; push the control joystick right. 悬停状态下，飞行器向左偏移，向右拨动控制摇杆。	
Right-side flight Fine-tuning 右侧飞微调		The drone drifts right while hovering; push the control joystick left. 悬停状态下，飞行器向右偏移，向左拨动控制摇杆。	

Note:

After entering fine-tuning mode, fine-tuning mode will automatically exit if there is no fine-tuning operation for 5 seconds; or press the fine-tuning mode button to exit fine-tuning mode.

注：进入微调模式后，无微调操作5秒后自动退出微调模式；或按微调模式按键退出微调模式。

High / Medium / Low Speed Modes 高中低速度模式

Low-Speed Mode 低速模式	Press down; one beep indicates low-speed mode. 下按，“嘀”一声为低速模式。	
Medium-Speed Mode 中速模式	Press down; two beeps indicate medium-speed mode. 下按，“嘀嘀”两声为中速模式。	
High-Speed Mode 高速模式	Press down; three beeps indicate high-speed mode. 下按，“嘀嘀嘀”三声为高速模式。	

Troubleshooting 常见问题及解决方法

How to Replace the Propellers

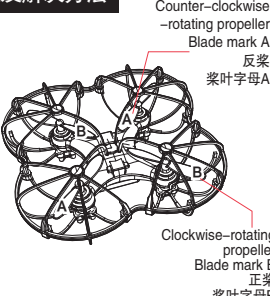
After the drone collides, the propellers may become deformed or fall off. In this case, you need to replace them with spare propellers. First, use the propeller remover to take the propellers off the motors. When removing propellers, hold the motor instead of the frame guard ring. Applying force while removing propellers may easily deform the frame guard ring.

The spare propellers include two clockwise-rotating propellers (B) and two counter-clockwise-rotating propellers (A). See the figure below for installation positions. Install counter-clockwise-rotating propellers (A) on the bottom-left and top-right motors; install clockwise-rotating propellers (B) on the top-left and bottom-right motors.

如何更换螺旋桨

飞行器在撞击之后，螺旋桨可能会变形或者脱落，这个时候需要更换备用螺旋桨。首先，需要用取桨器把螺旋桨从马达上取下来。取螺旋桨时需要注意用手拿住马达，不要拿机架保护环，取桨用力时容易造成机架保护环变形。

备用螺旋桨包括两片正桨(B)，两片反桨(A)。安装的位置如下图所示。反桨(A)安装在左下和右上马达位置，正桨(B)安装在左上和右下马达位置。



Notes 注意:

When the drone is within 30cm from the ground, it will be affected by the blade vortex made by itself and become unstable. This is "ground effect". The lower the drone is, the greater the effect will be.

“地效反应”指当无人机飞行越低时，地面反应影响则越大。当无人机在距离地面30cm以内的位置，无人机会受到自身桨叶涡流的影响而变得不稳定。

Operation Method 操作方法		Left-hand Throttle 左手油门	Right-hand Throttle 右手油门
上升 Ascend		Push the throttle joystick upward; the propellers spin faster, and the drone starts to ascend. 向上推动油门摇杆，旋翼的盘旋速度加快，飞行器开始上升。	
下降 Descend		Push the throttle joystick downward; the propellers spin slower, and the drone starts to descend. 向下推动油门摇杆，旋翼的盘旋速度减慢，飞行器开始下降。	
机首(头)向左转 Nose turns left		Push the throttle joystick slowly to the left; the drone nose turns left. 向左慢慢推动油门摇杆，飞行器的机首向左转。	
机首(头)向右转 Nose turns right		Push the throttle joystick slowly to the right; the drone nose turns right. 向右慢慢推动油门摇杆，飞行器的机首向右转。	
前进 Forward		Push the direction joystick upward; the nose tilts slightly downward, then the drone moves forward. 向上推动方向摇杆，机首略向下倾斜，然后飞行器向前移动。	
后退 Backward		Push the direction joystick downward; the tail tilts slightly downward, then the drone moves backward. 向下推动方向摇杆，机尾略向下倾斜，然后飞行器向后移动。	

Operation Method 操作方法		Left-hand Throttle 左手油门	Right-hand Throttle 右手油门
左侧飞 Left-side flight		Push the direction joystick to the left; the drone moves left. 向左推动方向摇杆，飞行器向左移动。	
右侧飞 Right-side flight		Push the direction joystick to the right; the drone moves right. 向右推动方向摇杆，飞行器向右移动。	

PROBLEMS 问题	CAUSES 原因	SOLUTIONS 处理方法
Control failure 遥控器失灵	Remote battery not installed. 遥控器电池没安装	Correctly install the remote battery. 把遥控器电池正确安装
	Too strong wind force. 风力太大	Do not fly in windy days. The performance and the control of the quadcopter will be affected by the strong winds. 切勿在有风的情况下飞行，有风会对无人机造成局限，或会妨碍你的控制飞行
Fail to ascend 无人机不能升高	The rotation speed of main blades is too slow. 旋翼转动速度太慢	Push up the throttle joystick. 动力操纵杆向上推
	The battery of the quadcopter is not fully charged. 无人机未完全充电	Please full charge the quadcopter. 为无人机完全充电
Landing too soon 无人机很快跌落	The throttle stick is pulled down too fast. 过快将动力操纵杆回位	Pull down the throttle stick slowly to perform a smooth landing. 慢慢的拉动力操纵杆让无人机慢慢着陆
Out of control 失控	Beyond the effective controlling distance. 超出有效遥控距离	Ensure operation within the controllable distance: remote control of 50 meters. 确保遥控距离在 50m 内。

FCC Caution

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.

Any 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.

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