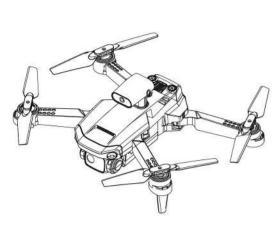
避障功能折叠无人机 使用说明书



*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。

▲ BATTERY LINSTRUCTIONS 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

· 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

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 dilatant 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

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 the battery next to inflammables, such as carpet, timber floor or wood furniture or on the surface of electro conductive objects. Please always keep an eye on the battery when charging

请勿在靠近易燃物(地毯、木地板、实木家具等)或导电的物体 表面上充电。充电时请保持电池在视线范围内。 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° to 40° .

电池充电的温度应该介于0℃到40℃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。

FINE-TUNING FUNCTION 微调功能

If the drone lean to one side when hovering, fine-tuning can be used to correct its direction. Press the fine-tuning button and hear a beep, then move the joystick in the opposite direction to adjust and calibrate until the aircraft does not deviate. If there is no operation for 5–6 seconds after entering the fine-tuning, the fine-tuning function will automatically exit

当飞行器悬停时倾斜向某一方向,可使用微调修正方









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 30 cm 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。

14

KNOW YOUR DRONE 认识你的无人机

The drone uses the 2.4G frequency, multiple-player can operate at the same time without interference. The drone can be controlled by remote to achieve flying, flipping, fine tuning, one-key take off, one-key landing, speed control, headless mode, calibration, obstacle avoidance, camera adjustment, emergency stop, light switch and other functions.

无人机采用2.4G频段,可多人同时操作而互不干扰。 通过遥控器可操控无人机实现飞行、翻滚、微调、一键 起飞、一键降落、速度、无头模式、校正、避障,摄像 头调节, 急停, 灯光开关等功能。



机壳上盖 (2) Lower Casing

认识你的遥控器

普通版本/避障版本

The obstacle avoidance version is the obstacle

High/low speed 快慣档

Camera ESC version

摄像头电调版本

mode button 一键避障按键 -

Camera up 摄像头向上

Carnera down 振像头向下

emergency stop 一键起飞/降落 (长按急停)

One-key Ascend 一键起飞

One-key Landing . 一健降落

机壳下盖 (3) Propeller ④ Arm 机臂

摄像头 (8) Obstacle avoidance equipmen 避障设备

6 Motor

(7) Camera

One-key Flips&Roll: 360° 翻液

- Right joyustick 右操作杆 前进/后退/左右侧飞

Power swift 电源开关

Headless mode 无头模式

Right joyustick
 右操作杆 前进/后退/左右侧飞

电源开关

mode 短按无头模式

Fine-tuning key 微调键

o o calibrate 短按一键校准

0.0

90

1.Parts of remote control 遥控器各部位名称

KNOW YOUR REMOTE CONTROL

Standard version/Obstacle avoidance version

ACCESSORIES 配件表



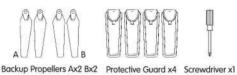
无人机 x1 (内含电池)

备用风叶 Ax2 Bx2



十字螺丝刀xl

Remote Control x1 遥控器 xì



防护架 x4

******** USB Charger x1 User Manual x1

. WIFI manual x1 说明书xl WIFI说明书 x1

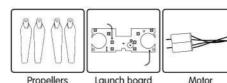
Notes 注意:

USB充电器 x1

Please check the number of accessories carefully (as shown above). Please provide proof of purchase and contact the store for replacement if any missing parts.

请仔细清点各配件及数量(如配件表),如果发现不齐 全, 请提供购买凭证, 及时联系销售商家补换货。

2



Receiving board 接收板

Battery

Notes 注意:

If any of the above accessories are damaged during operation, you can contact the seller to purchase

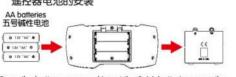
操作过程中, 如有以上配件损坏, 可自行联系卖家购买。

LITHIUM BATTERY INSTRUCTION 电池安装及充电方法

(1) Open the remote control battery cover 遥控器电池盖的开启



遥控器电池的安装



according to the electrode instructions. (Batteries not included) 打开电池盖,依照电极指示正确放入3粒AA电池。(电池需另购)

Notes 注意:

Make sure the battery are loaded correctly according to the polarity indications on the battery compartment.
 Please do not mix old and new batteries together.
 Please do not mix different types of batteries together.

1.装入电池时必须认准电池正负极, 且不能装反。 2.请勿混合使用新旧电池。 3.请勿混合使用不同类型的电池。

SIGNAL CONNECTION OF TRANSMITTER AND RECEIVER 遥控器与无人机对频

quickly at this time. 开启机身电源后, 将无人机放置在水平面, 再打开遥控

可另购配件表



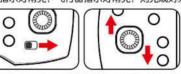




Protective Guard 电池 护架

2 Push the throttle joystick to the top, hear a "drip", and the lowest point, another "drip" will be heared, the lights

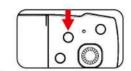
将油门杆推到顶部,听到"滴"一声,遥控器指示灯快闪,再将油门杆推到最低点,再次听到"滴"一声,遥控器指示灯常亮,飞行器指示灯常亮,则完成对频。



Standard version/Obstacle avoidance version Press the "One button calibration" button, When the lights of drone are on and then start flashing and keep on

若无人机起飞不能垂直上升,可对无人机校正。 普通版本/避障版本

按下"一键校正"键,此时无人机指示灯快速闪烁, 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



quickly.Until the lights become steady on, the calibration is finished.When executing the correction command, it must be executed in a stable state parallel to the horizontal line, otherwise the correction effect will be affected.

10

PRE-FLIGHT PREPARATION 飞行前准备

1.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







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、



strong wind or heavy rain.



将左右操控杠同时拨向左下方(或右下方)听到"滴

一声,此时无人机指示灯快闪,待指示灯常亮,矫正

在执行校正命令时, 必须在与水平线平行的平稳状态

Press the "One-key Ascend" button, the drone blades rotate

按下"一键起飞"按键,无人机风叶转动,自动飞

Use the left joystick to control the flight altitude and turn left/

左操纵杆控制飞行高度与左右转方向, 右操纵杆控

right, and the right joystick to control the forward, backward,

下执行, 否则会影响校正效果。

START YOUR FLIGHT 开始飞行

and automatically fly to a height of 1.5 meters

1. One-key Ascend 一键起飞

left and right sidde flight directions.

制前进、后退以及左右侧飞方向。

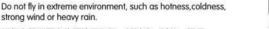
到1.5米的高度。

2. Basic Flight 基本飞行

Left joystick 左操纵杆

Right joystick 右操纵杆





Align the blades with the motor shaft and install them (the arm identification must be consistent with the blade identification), 切勿在极端恶劣的环境下飞行,如过冷、过热、强风、

Tighten the screw clockwise

4.ASSEMBLING PROPELLERS 风叶安装

2.OPEN THE WINGS 打开机翼

OPENING STEPS 打开机翼顺序:

① Open the front arm(close to camera)

再打开后机臂, 折叠时顺序相反。

Open the back arm

the protective frame

往上按扣紧保护架。

先打开前机臂。(靠摄像头一侧)

Fold the back armf firstly and then the ront arm when folding

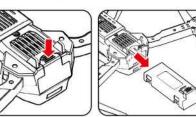
3.ASSEMBLING PROTECTIVE GUARD 防护架安装

Alian the protective frame with the arm and install it (Figure 1), press it

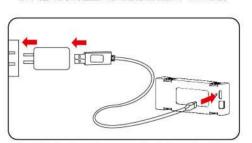
将保护架对准机臂安装(图1),按至到位,然后按(图2)位置

将风叶对准电机轴安装上去(机臂标识与风叶标识要一致) 顺时针拧紧螺丝。

5.BATTERY CHARGING FOR DRONE 机身充电方法



A. Remove the lithium battery from the bottom of the drone 按下箭头指示的位置,把电池箱往外拉出,取出电池。



B. The USB charging cable connects the battery to the USB power port

USB充电线连接电池与USB充电接口

Notes 注意

LED lights on when charging and red light turn off when full charging completes. Charging time is about 150 minutes. 充电时LED灯亮, 充电结束时LED灯灭, 充电时间约为 2.5小时左右。

Headless Mode 无头模式

The flight direction of drone is subjected to the direction of remote control.

1. When drone adjust the frequency, the drone is default as

common mode. Then the indication light of drone is normally on. When you press the headless function key of remote control, the remote control beeps once and enters headless state. When you press the headless function key again, you listen to a long beep sound and the drone exits the headless

operating lever of remote control.

When you release the left joystick (throttle) after the ascent/descent action, the dronewill hover at a certain height.

速档,所以开启避障模式时建议在室内飞行。

When the drone go to 1 meter above, press flipping button

无人机飞到1米以上高度后,点击翻滚健并将右操纵杆 (方向舵)向左或右移动,可实现往此方向的翻滚动



2.In the headless state, operator doesn't need to identify the direction of nose, but control the drone according to the

当无人机对完频后, 无人机默认为普通模式, 此时无人 机的指示灯为长亮状态, 当按下遥控器上无头功能键后 遥控器发出"滴"一声表示进入无头状态,再按下无头 功能键后听到"滴"长声响为退出无头状态。

Hover 悬停

用左操纵杆让无人机上升后,松开左操纵杆,无人机 仍会悬停在松开操纵杆时的高度。



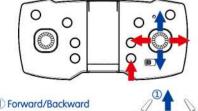
Camera angle adjustment 摄像头角度调节 During the flight of the drone, the camera angle can be adjusted ugh the camera adjustment button. s function is only available in the camera ESC version

无人机飞行过程中可通过摄像头调节按键来调节摄像头的 角度。(摄像头电调版本才有此功能)





按下微调按键听到"滴"一声后,然后反方向拨动操 作杆进行调节校准,直至飞行器不会偏飞为止。 进入微调后如果5-6秒没有进行操作,微调功能就会





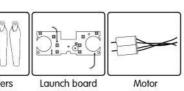
When the drone is within 30cm from the ground, it will be affected

FAQ 遇到问题不用慌

PROBLEMS 问题	CAUSES 原因	SOLUTIONS 处理方法
	Not connect with the quadcopter battery. 无人机电池没连接	Connect the quadcopter battery in right way. 把无人机电池按正确方向连接
Control failure 遥控器失灵	Too strong wind force. 风力太大	Do not fly in windy days. The performance and the control of the quadcopter will beaffected 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	MCDET CHOKE SEATOR	joystick.
无人机不 能升高	The battery of the quadrocopter is not fully charged. 无人机未完成充电	Please full charge the quadcopter. 为无人机完全充电
Landing too soom 无人机很 快跌落	The throttle stick is pulled down too fost. 过快将动力操纵杆回拉	Pull down the throttle stick slowly to perform a smooth landing. 慢慢的回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 100 meters and WIFL control of 40–50 meters. 确保遥控距离在100m内,WIFI操控在40–50m内

PROBLEMS 问题	CAUSES 原因	SOLUTIONS 处理方法
ontrol failure 经控器失灵	Not connect with the quadcopter battery. 无人机电池没连接	Connect the quadcopter battery in right way. 把无人机电池按正确方向连接
	Too strong wind force. 风力太大	Do not fly in windy days. The performance and the control of the quadcopter will beaffected 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
il to ascend 人机不 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 quadrocopter is not fully charged. 无人机未完成充电	Please full charge the quadcopter. 为无人机完全充电
nding too om 人机很 跌落	The throttle stick is pulled down too fost. 过快将动力操纵杆回拉	Pull down the throttle stick slowly to perform a smooth landing. 慢慢的回拉动力操纵杆让 无人机慢慢着陆
ut of control 控	Beyond the effective controlling distance. 超出有效遥控距离	Ensure operation within the controllable distance: remote control of 100 meters and Wifcontrol of 40–50 meters. 确保遥控距离在100m内,WIFI操控在40–50m内

OPTIONAL ACCESSORIES LIST





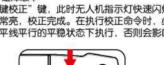




the remote light is fast flashing then pull the joystick to of the remote and drone change to steady on, that means the calibration is finished.

TRANSMITTER CALIBRATION 遥控器校准 Apply transmitter calibration when the drone fails to take off

again, the calibration is complete. the drone must be placed on ahorizontal surface in a steady state when the calibrationis conducted.



Camera ESC version Move two joysticks to lower left (or lower right) same time, then it will sound a "drip", meanwhile the drone lights flash

避障模式 (购买避障版本才有避障功能)

Obstacle Avoidance Mode (The obstacle avoidance function is only available when you purchase the obstacle avoidance version)



press again to turn off the obstacle avoidance mode.

Avoid obstacles on four sides and retreat in the opposite direction of the obstacle. 按下按键开启避障模式,再按一下关闭避障模式。 四面避障, 往障碍物相反方向退。

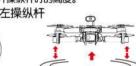
It is recommended to turn on the obstacle avoidance function in an indoor flight environment with a length and width of 6×6 meters or more. When the UAV turns on the obstacle avoidance mode, the speed will slow down and the fast gear cannot be turned on. Therefore, it is recommended to fly indoors when the obstacle avoidance mode is turned on 建议在室内飞行环境长宽6米x6米以上,开启避障功能。 当无人机开启避障模式时,速度会变慢,且不能开启快

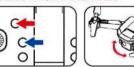
Flips & Rolls 翻滚

and move the right-joystick to the left or right side, it will flip to the corresponding direction.



在无头状态下,操控者无需去辨认无人机的机头方向, 只需根据遥控器的操作杆方向来控制飞行器。





15



Open the battery cover and insert the 3 AA batteries correctly

① Switch on the drone power, place the drone on a horizontal plane, then open the remote control, both of their lights flash

器、此时遥控器指示灯和无人机的LED灯闪烁。