

产品特性:

Product characteristics

支持三种翼型(V尾), V尾, 三角翼
Three wing structures are supported: T-tail, V-tail and delta wing.

三种飞行模式: 手动模式、水平模式、定高模式
Three flight modes: manual mode, horizontal mode and fixed altitude mode.

独特的气压计定高模式, 操作简单, 飞行安全, 特别推荐新手使用
Unique barometer height setting mode, simple operation, flight safety, especially recommended for novice use.

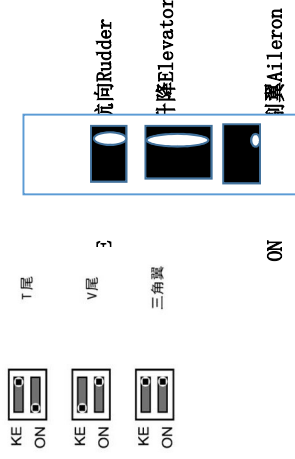
采用32位处理器, 高精度气压计, 6轴传感器
Using 32 bit processor, high precision barometer, 6 axis sensor.

装机帮助:

Installation Help Manual

一 拔码开关

(1) Pull out code switch



T-tail
V-tail
Delta wing

调节机型

Selection of aircraft type

Adjustment of servo direction

三 遥控器接线

(3) Remote control wiring

准备一个至少5通道的PWM接收机和对应的遥控器, 准备一个至少5通道的PWM接收机和对应的遥控器, 准备一个至少5通道的PWM接收机和对应的遥控器, 准备一个至少5通道的PWM接收机和对应的遥控器.

遥控器要设置为固定翼模式
The remote control should be set in fixed-wing mode.

如下所示遥控器与飞控的连接
The connection between the remote control and the flight control is shown below.

二 舵机连接

(2) Servo connection

任何机型电机调节信号线都接“THR_OUT_3”通道
“THR_OUT_3” channel is connected to any type of electrical regulation signal line.

Aileron servo 1
Aileron servo 2
Elevator servo
Rudder servo
Aileron servo 1
Aileron servo 2
Rudder servo

副翼舵机1
副翼舵机2
升降舵机
航向舵机
副翼舵机1
副翼舵机2
航向舵机

T尾/V尾

三角翼

机头方向
Nose direction



四 飞控安装

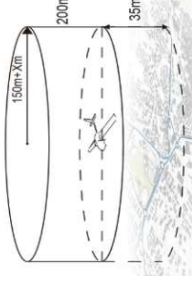
(4) Flight Controller Installation

调节舵机的方向

V尾和三角翼机型飞控会自动混控, 无需遥控器设置
For the V-tail and triangular wing, the flight controller will automatically mix control without the need for remote control settings.

4) 围栏模式

4) Fence mode



遥控器与舵机设置

Remote Controller and Servo Settings

一 上电

(1) Power on

初次使用, 请将螺旋桨卸掉
For the first time, please remove the propeller.

上电后飞机需要静止不动直到完成初始化, 这个过程大概需要8S的时间
After power-on, the aircraft needs to remain motionless until the initial stage is completed. This process takes about 8S.

完成初始化后会听到电机启动的声音
When the initial stage is completed, the sound of motor starting will be heard.

当初始阶段完成后, 红色LED灯亮起
When the initial stage is completed, the red LED will light up.

绿色LED Green LED	模式 Mode	红色LED Red LED	说明 Instruction
灭 Extinction	手动模式 Manual mode	常亮 Constant brightness	GPS已连接, 但精度未满足 GPS is connected, but the accuracy is not satisfied.
闪烁 Flash	定高模式/围栏模式 Fixed height mode/Fence mode	闪烁 Flash	GPS未连接 GPS is not connected.
常亮 Constant brightness	水平模式 Horizontal mode	常亮 Constant brightness	GPS已连接, 满足要求 GPS Connected to Satisfy Requirements.

二 遥控器校准

(2) Calibration of Remote Controller

将THR (油门) 打到最低部, 其它通道都处于中间位置, 然后快速切换FlightMode开关六次
Put the throttle to the minimum, the other channels are in the middle, and then switch the Flight Mode switch six times quickly.

进行遥控器中立点的校正
Calibration of Neutral Point in Remote Controller.

校准好遥控器后不建议用户调节舵杆偏置, 飞控会帮助飞行自动平衡
After calibrating the remote controller, users are not advised to adjust the remote pole offset. The flight controller will help to balance the flight automatically.

1. 遥控器校正完成后副翼会上下摆动两次提示校准成功
1. The aileron will swing up and down twice after the remote control calibration is completed, indicating that the calibration is successful.

Aileron

AIL_IN_1 <---> AIL (副翼)

Elevator

ELE_IN_2 <---> ELE (升降)

Throttle

THR_IN_3 <---> THR (油门)

RUD_IN_4 <---> RUD (航向)

MODE_IN_5 <---> FlightMode (三段开关)

Three stage switch

*不论什么机型，5个通道必须接上，否则飞控上电自检不能通过
*No matter what type of aircraft, five channels must be connected, otherwise the self-test of the flight controller can not pass when it is powered on.

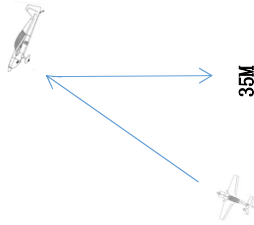
飞行模式

Flight Mode

1) 定高模式 — 非常适合新手和FPV爱好者飞行的模式

1) Fixed Height Mode

Flying mode suitable for novice and FPV enthusiasts



35M

2) 手动模式

2) Manual mode

飞机直接输出遥控器位置，不参与控制

The aircraft directly outputs the rudder of the telepole and the airplane will return to the middle when the telepole returns to the middle.

2. 每次更换遥控器或者改变遥控器偏置以后都需要进行校准

2. Calibration is required every time the remote controller is replaced or the offset of the remote pole is changed.

3. 第一次校准遥控器时或飞机上电解锁时马达可能会旋转，这是因为出厂校准油门行程过高造成的，请不要担心，遥控器校准成功后此现象会消失

3. The motor may rotate when the remote controller is first calibrated or when the electrolytic lock is on board the aircraft. This is because the throttle travel is too high when the factory calibrates. Don't worry, this phenomenon will disappear after the remote control calibration is successful.



特别提示：出现以下情况请重新校准遥控器
Special note: Please re-calibrate the remote controller if the following situation occurs.

1. 飞机起飞后操控迟钝，缓慢，不受控制
1. The aircraft is slow, uncontrolled after takeoff.

2. 飞机起飞后向一边倾斜

2. The plane tilted to one side after takeoff.

3. 启动返航功能后，飞机不爬升

3. When the return function is activated, the aircraft does not climb.

三 旋钮

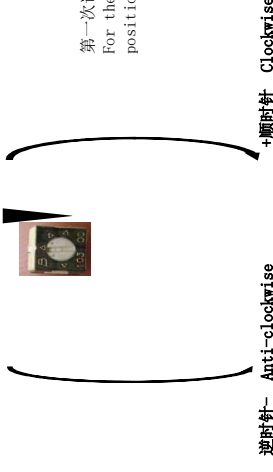
(3) Knob

旋钮“S”调节飞机的控制感度，顺时针调节为增大感度

The knob "S" adjusts the control sensitivity of the aircraft and clockwise adjusts it to increase the sensitivity.

旋钮“R”调节围栏模式下的半径，顺时针调节为增大围栏半径

The knob "R" adjusts the radius of the fence mode and clockwise adjusts it to increase the radius of the fence.



第一次试飞请将R旋钮开至最小位置，以便测试返航功能是否正常
For the first test flight, please turn the R knob to the smallest position so as to test whether the return function is normal.

逆时针- Anti-clockwise

+顺时针 Clockwise

四 舵机方向设置

(4) Servo direction setting

第一步：将飞行模式切换到 水平模式

Step 1, Switch flight mode to horizontal mode

第二步：在副翼，襟翼，航向三个方向摆舵飞机，观察舵面响应（参考六舵面动作）

Step 2, Swing the aircraft in aileron, flaps and heading to observe the servo response (refer to six control board's action)

如果动作响应不对可对应拔码开关拨至另一端

If the action response is not correct, the corresponding dial switch can be pulled to the other end.

3) 水平模式

3) Horizontal mode

飞机可以自由翻转，遥控器回中时飞机也会回中

The airplane can flip freely, and the airplane will return to the middle when the telepole returns to the middle.