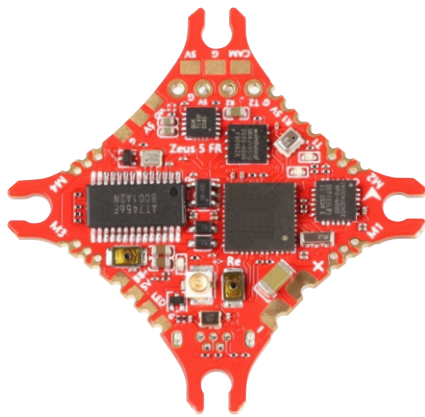


115mm

# HGLRC Zeus5 FR AIO



## 使用说明

### 4. Built-in receiver pairing method

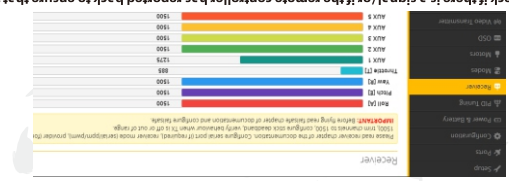
The built-in integrated receiver of Zeus5 FR AIO is compatible with Frsky D8 and D16 protocols. The factory default Frsky protocol is Frsky D16. If you accidentally upgrade the wrong firmware, you can select the correct protocol in Betaflight according to the following picture.

1. Open Betaflight configurator. Connect the flight controller, then click on configure, click Save and restart. Then click on the CLI command line and enter bind\_rx; then turn on the remote controller to select the pairing mode.

2. Select bind to confirm the pairing, and press the confirm button on the remote controller again after hearing the beep from the remote controller.

3. Return to the CLI command line and enter SAVE and press Enter to save.

4. Connect Betaflight configurator again, click on the receiver page to test the remote controller throttle stick.



- Pay attention to the positive and negative poles.
- Please check carefully before powering up.
- Maximum of the refreshing rate of PID and gyro are 8K/8K.

### 6. Warning:

5. Check if there is a signal or if the remote controller has received back to ensure that the connection is correct.

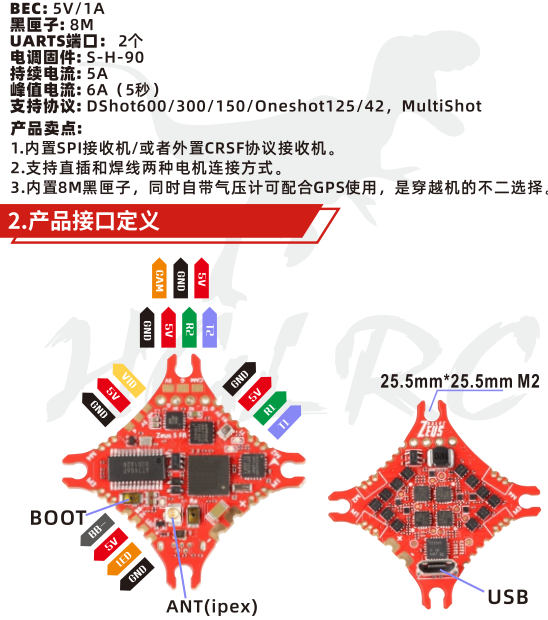
6. Power off and the pairing is finished.

**1. 产品规格参数**

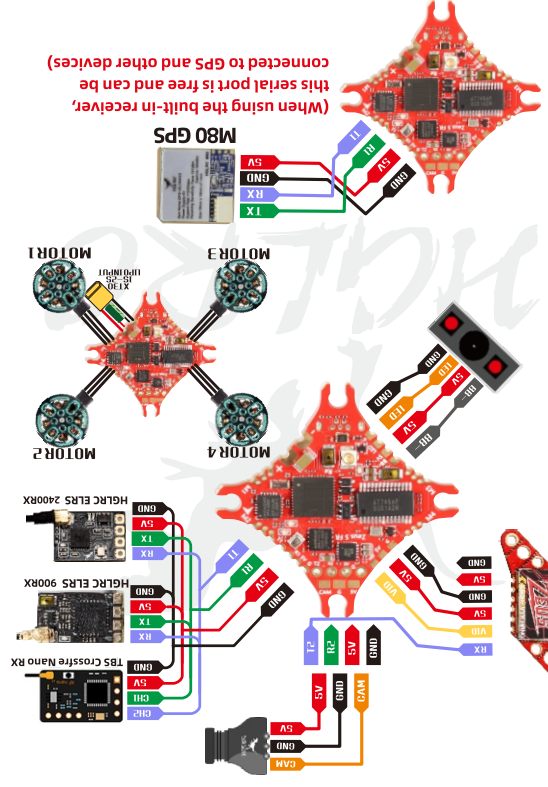
产品名称: Zeus5 FR AIO  
 重量: 4.3g  
 输入电压: 1-2S  
 安装孔位: 25.5x25.5mm/M2  
 产品尺寸: 41.5x41.5mm  
 飞控固件: ZEUSF4 FR  
 CPU: STM32F411  
 MPU: MPU6000  
 BEC: 5V/1A  
 黑匣子: 8M  
 UARTS 接口: 2个  
 电调固件: S-H-90  
 持续电流: 5A  
 峰值电流: 6A (5秒)  
 支持协议: DShot600/300/150/Oneshot125/42, MultiShot

**2. 产品接口定义**

1. 内置SPI接收机/或者外置CRSF协议接收机。  
 2. 支持直插和焊线两种电机连接方式。  
 3. 内置8M黑匣子, 同时自带气压计可配合GPS使用, 是穿越机的不二选择。



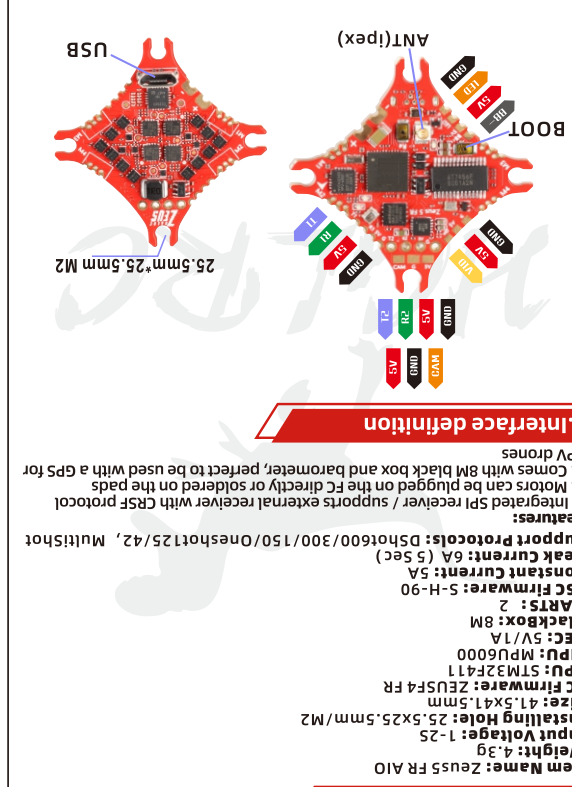
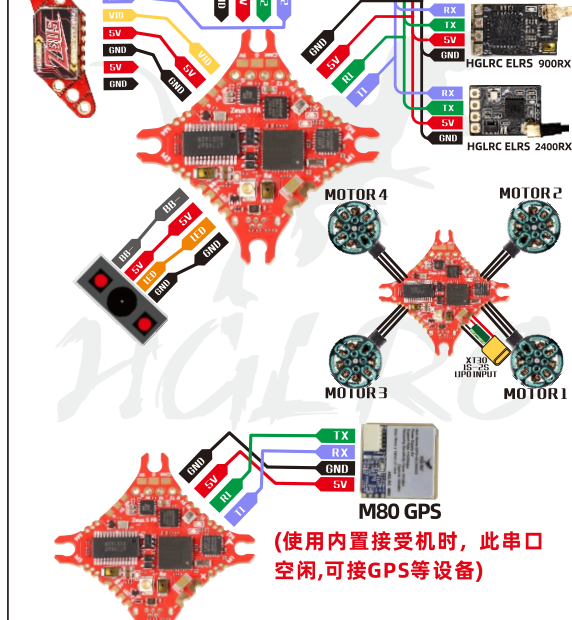
### 3. Product wiring diagram



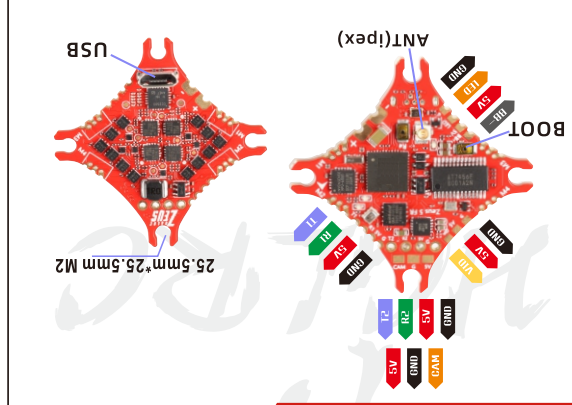
(When using the built-in receiver, this serial port is free and can be connected to GPS and other devices)

**3. 产品接线图**

Product wiring diagram showing connections for M80 GPS, TBS Crossfire Nano RX, HGLRC ELRS 900RX, HGLRC ELRS 2400RX, and four motors (MOTOR 1-4). The diagram includes labels for TX, RX, GND, 5V, and 3V3 pins.



### 2. Interface definition



Item Name: Zeus5 FR AIO  
 Height: 4.3g  
 Input Voltage: 1-2S  
 Installing Hole: 25.5x25.5mm/M2  
 Size: 41.5x41.5mm  
 FC Firmware: ZEUSF4 FR  
 CPU: MPU6000  
 BEC: 5V/1A  
 BlackBox: 8M  
 UARTS: 2  
 ESC Firmware: S-H-90  
 Constant Current: 5A  
 Peak Current: 6A (5 Sec)  
 Support Protocols: DShot600/300/150/Oneshot125/42, MultiShot

### 1. Product specifications

1. Integrated SPI receiver / supports external receiver with CRSF protocol  
 2. Motors can be plugged on the FC directly or soldered on the pads  
 3. Comes with 8M black box and barometer, perfect to be used with a GPS for FPV drones

**4. 内置接收机对频方法**

Zeus5 FR AIO 内置的集成接收机可以与Frsky D8和D16协议兼容。出厂默认的Frsky协议为Frsky D16, 如果意外升级了错误的固件, 可按以下图片在Betaflight里选择正确的协议。

配置	协议
Frsky_D	Frsky D8
Frsky_X	Frsky D16

1. 打开Betaflight软件, 连接飞控, 先点击配置, 在接收机选项选择自己遥控对应的协议, 点击保存并重启。然后点击CLI命令输入bind\_rx接着打开遥控器选择对频模式。

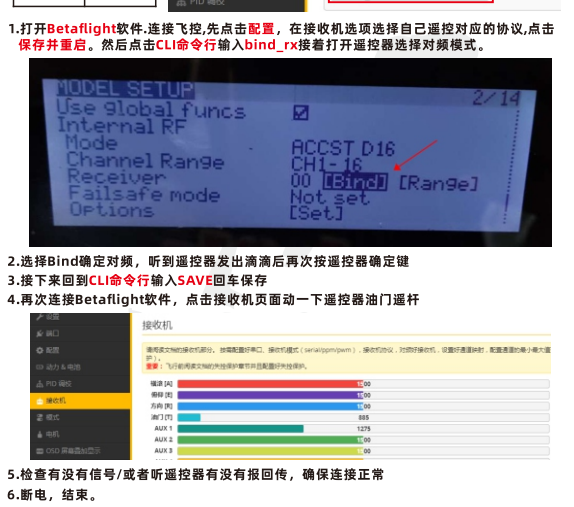
2. 选择bind确定对频, 听到遥控器发出滴滴声后再次按遥控器确定键

3. 接下来回到CLI命令输入SAVE回车保存

4. 再次连接Betaflight软件, 点击接收机页面动一下遥控器油门连杆

5. 检查有没有信号/或者听遥控器有没有报回传, 确保连接正常

6. 断电, 结束。



### 6. 注意事项

- 注意正负极。
- 上电前请仔细检查
- PID和陀螺仪的刷新率最高8K / 8K。

## PRODUCT INSTRUCTION

## HGLRC Zeus5 FR AIO

312mm