

飞控参数

固件目标: TAKERG4AIO

主控: STM32G473CEU6

陀螺仪: ICM 42688-P

黑匣子: 16MB板载闪存

气压计: NO

BEC: 5V 3A

最大外尺寸: 33.4*34.4mm

安装孔位: 25.5*25.5mm

输入电压: 2-6S LiPo

Uart串口: 4个

电调参数

持续电流: 45A

瞬间电流: 50A(5秒)

支持电池: 2-6s (8.4-25.2V)

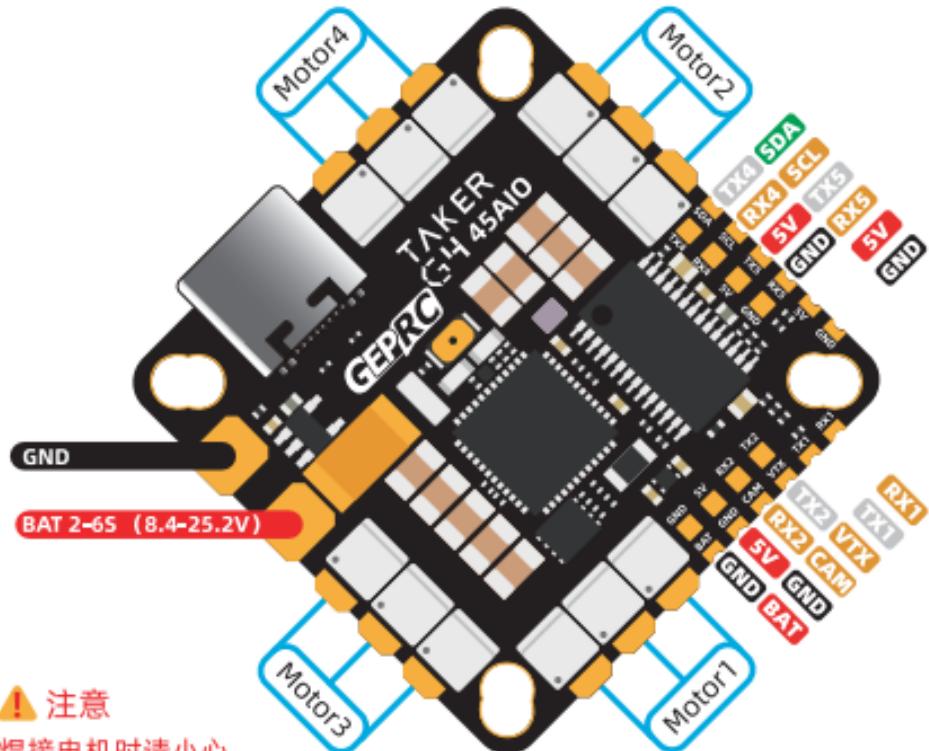
固件: [BlueJay](#)

调参工具:

<https://esc-configurator.com/>



接口定义：



⚠ 注意

焊接电机时请小心

焊锡不要与金属MOS相连

否则会造成严重损坏！

DJI数字图传：

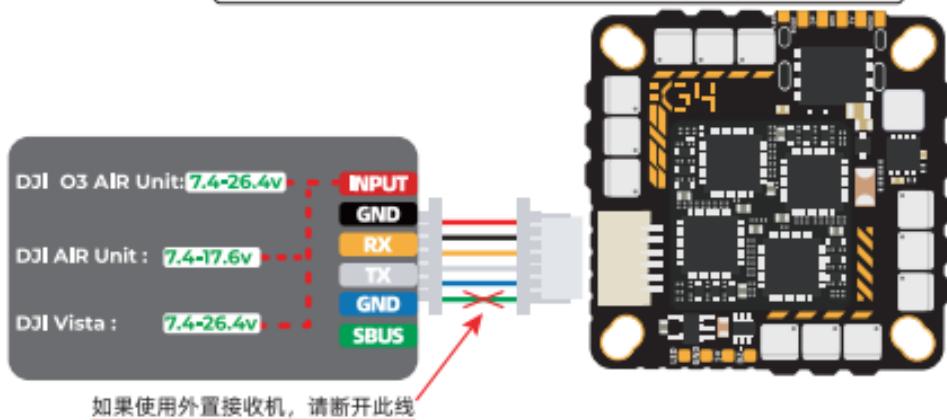
设置
端口
配置
动力&电池
失控保护
PID调校
接收机
模式

标识符	设置/MSP	串行数字接收机
USB VCP	<input checked="" type="checkbox"/> 115200 ▾	<input type="checkbox"/>
UART1	<input checked="" type="checkbox"/> 115200 ▾	<input type="checkbox"/>
UART2	<input type="checkbox"/> 115200 ▾	<input checked="" type="checkbox"/>

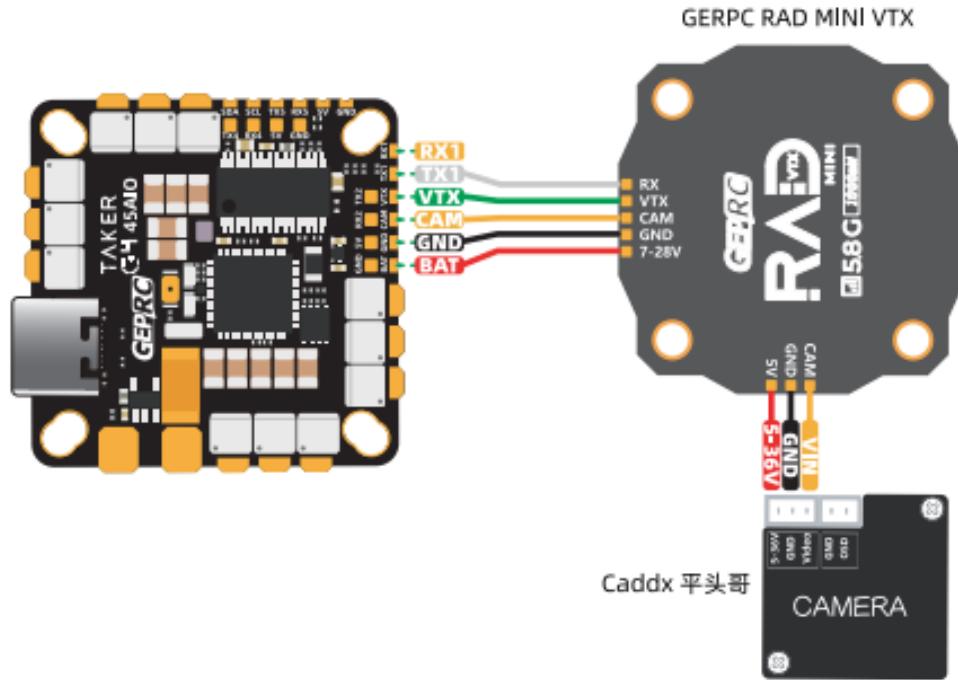
接收机

Serial (Via UART) 接收机模式
注意：使用串行接收机时，请选择串口接收机类型，并在串口页面设置相应的串口。

SBUS 串行数字接收机协议

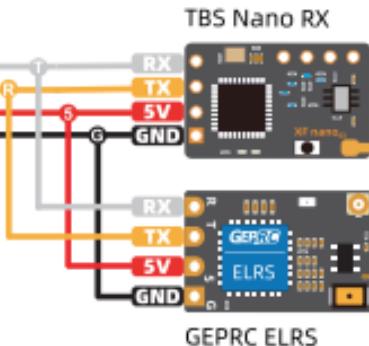
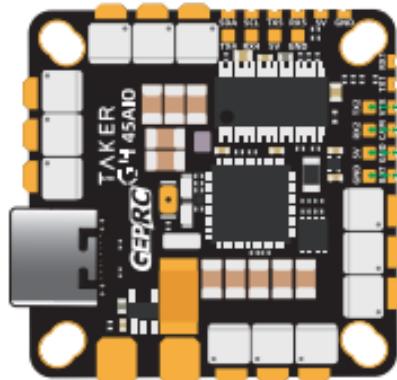


模拟图传：



设置	标识符	设置/MSP	...	外设
端口	USB VCP	<input checked="" type="checkbox"/> 115200 ▾	已禁用	AUTO ▾
配置	UART1	<input checked="" type="checkbox"/> 115200 ▾	VTX(IRC Tramp) ▾	AUTO ▾
	UART2	<input checked="" type="checkbox"/> 115200 ▾	已禁用	AUTO ▾

接收机：(TBS Nano RX/ELRS)



设置
端口
配置
动力&电池
失控保护

标识符	设置/MSP	串行数字接收机
USB VCP	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART1	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART2	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>

PID 调校
接收机
模式

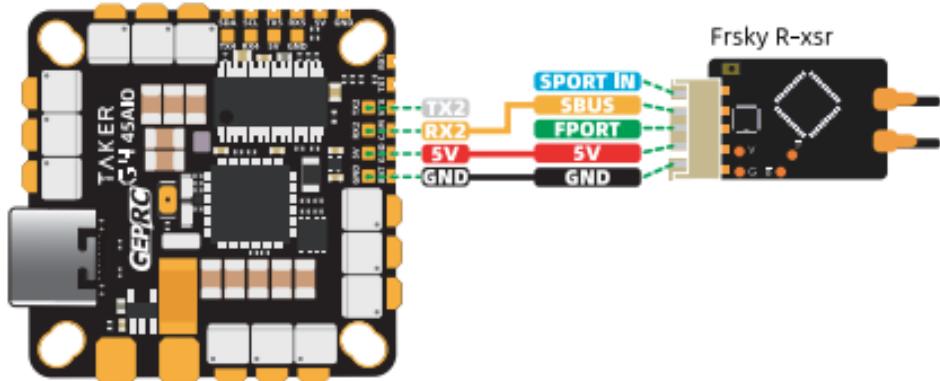
接收机

Serial(via UART) 接收机模式

注意：使用串行接收机时，请选择串行接收机类型，并在串口页面设置相应的串口

CRSF 串行数字接收机协议

接收机：(Frsky R-xsr)



设置	标识符	设置/MSP	串行数字接收机
端口		<input type="checkbox"/> 115200	<input type="checkbox"/>
配置		<input type="checkbox"/> 115200	<input type="checkbox"/>
动力&电池			
失控保护		<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>

接收机

Serial(via UART) 接收机模式

注意：使用串行接收机时，请选择串行接收机类型，并在串口页面设置相应的串口

SBUS 串行数字接收机协议

GPS:

设置	标识符	传感器输入		
端口	USB VCP	已禁用	AUTO	AUTO
配置	UART1	已禁用	AUTO	AUTO
动力&电池	UART2	已禁用	AUTO	AUTO
失控保护	LPUART	GPS	115200	

禁 调整

启 飞机

GPS

电 机

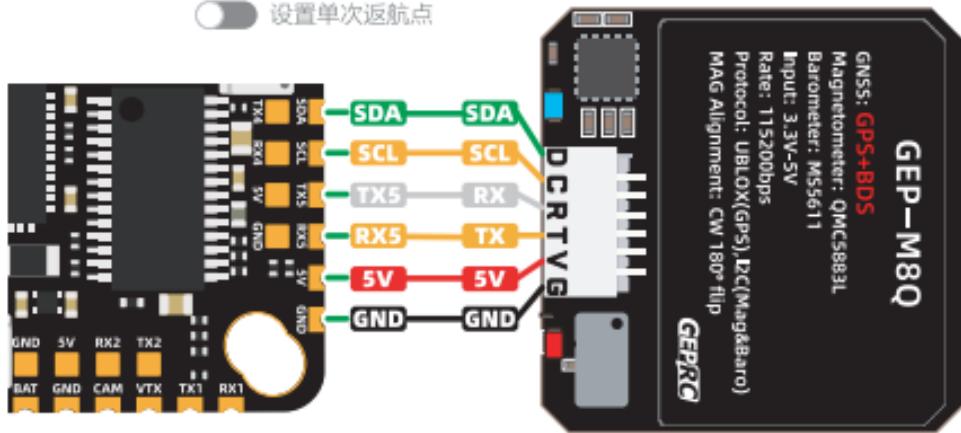
GPS 启用GPS导航

UBLOX 协议

自动波特率

自动设置

设置单次返航点

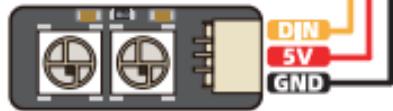


蜂鸣器&LED：

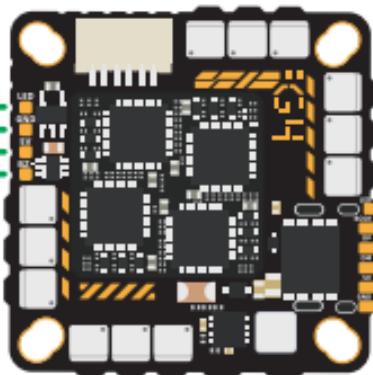
GEPRC 超级蜂鸣器



蜂鸣器



LED灯带



外置LED设置：

设置 端口 配置 动力&电池 失控保护

其他功能

SERVO_TILT 舵机云台
SOFTSERIAL 启用软串口
SONAR 声呐
TELEMETRY 遥测输出
LED_STRIP 彩色RGB LED灯带

电机 图传 LED设置 传感器 日志

LED Strip Wiring 布线模式
清除已选定 清除所有布线

给每个LED选择一个颜色 叠加功能

LED 功能 基本功能 颜色
颜色修改器 滤镜 闪烁 持续闪烁
左右扫描
警告
指示灯
面传（根据图传频率而变化）
LED方向（‘模式和方向’）和颜色

北 上 0 1 2 3
西 东 4 5 6 7
南 下 8 9 10 11
12 13 14 15

注意事项：

- 1 3寸及3寸以上的飞行器需要安装电容，包装内附带了一颗。
 - 2 焊接的电线尽量避开陀螺仪，以免影响陀螺仪正常工作。
 - 3 装机后请仔细检查连线是否正确，保持飞控整体干净 无多余焊锡残留。
-

格普官方QQ群：499699918

格普官方微信：



wechat

格普淘宝：



geprc.taobao.com

格普官网：



www.geprc.com

FC:

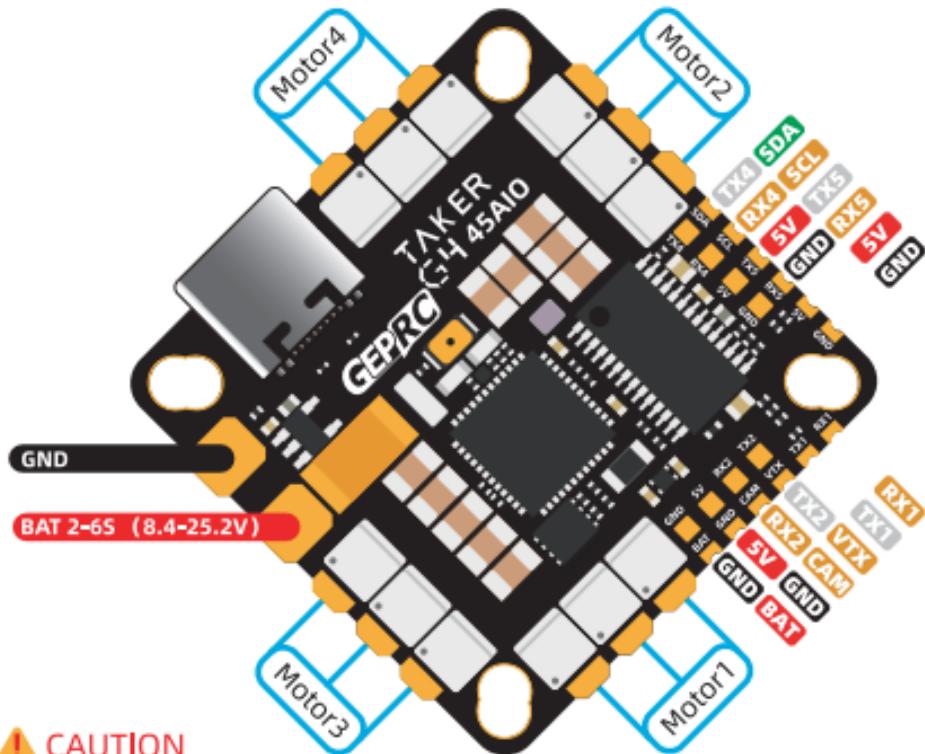
target: TAKERG4AIO
MCU: STM32G473CEU6
IMU: ICM 42688-P
BLACKBOX: 16MB
Baro: NO
BEC: 5V 3A
Size: 33.4*34.4mm
Install hole: 25.5*25.5mm
Input Voltage: 2-6S LiPo
Uart: 4 Set

ESC:

Continuous Current: 45A
Burst Current: 50A(5S)
Input Voltage: 2-6S (8.4-25.2V)
Firmware: [BlueJay](#)
Software:
<https://esc-configurator.com/>



Interface definition:



⚠ CAUTION

Please be careful when welding the motor
Solder should not be connected to metal MOS tubes
Failure to do so can result in serious damage!

DJI FPV Digital System:

Setup
Ports
Configuration
Power&Battery
Failsafe

PID
Receiver
Modes

Identifier	Configuration/MSP	Serial RX
USB VCP	<input checked="" type="checkbox"/> 115200 ▾	<input type="checkbox"/>
UART1	<input checked="" type="checkbox"/> 115200 ▾	<input type="checkbox"/>
UART2	<input type="checkbox"/> 115200 ▾	<input checked="" type="checkbox"/>

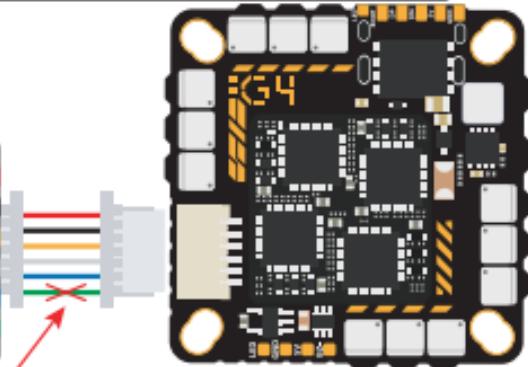
Receiver

Serial (Via UART) Receiver Mode

The UART for the receiver must be set to 'Serial Rx'(in the Ports tab)
Select the correct data format from the drop-down, below:

SBUS Serial Receiver Provider

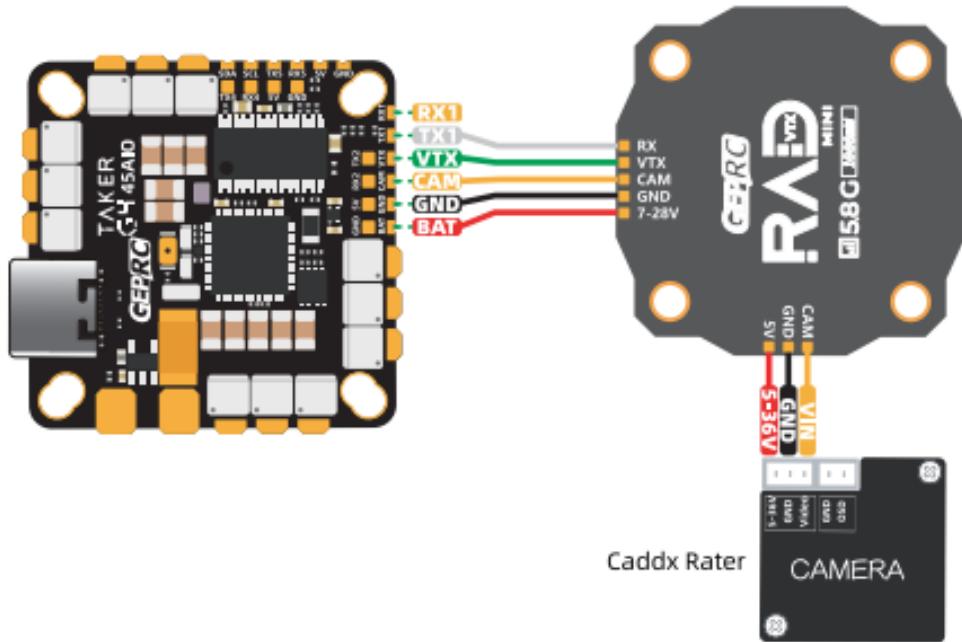
DJI O3 AIR Unit: 7.4-26.4v
DJI AIR Unit : 7.4-17.6v
DJI Vista : 7.4-26.4v



If using an external receiver,
disconnect this line

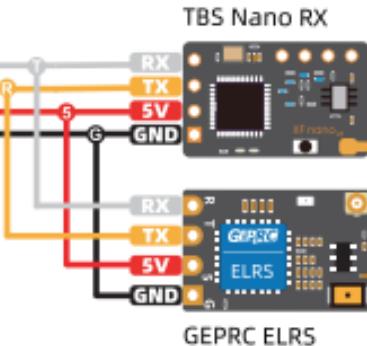
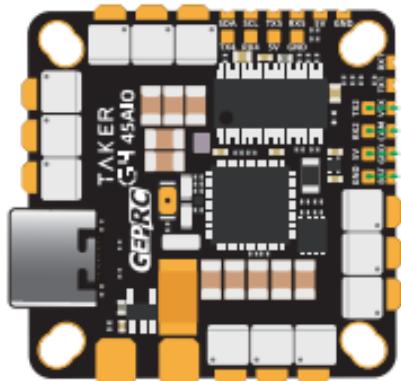
Analog VTX:

GERPC RAD MINI VTX



Setup	Identifier	Configuration/MSP	Peripherals
Ports	USB VCP	115200	Disabled AUTO
Configuration	UART1	115200	VTX(JRC Tramp) AUTO
	UART2	115200	Disabled AUTO

Receiver: (TBS Nano RX/ELRS)



Setup
Ports
Configuration
Power&Battery
Failsafe

Identifier	Configuration/MSP	Receiver
USB VCP	<input type="checkbox"/> 115200 ▾	<input type="checkbox"/>
UART1	<input type="checkbox"/> 115200 ▾	<input type="checkbox"/>
UART2	<input type="checkbox"/> 115200 ▾	<input checked="" type="checkbox"/>

PID
Receiver
Modes

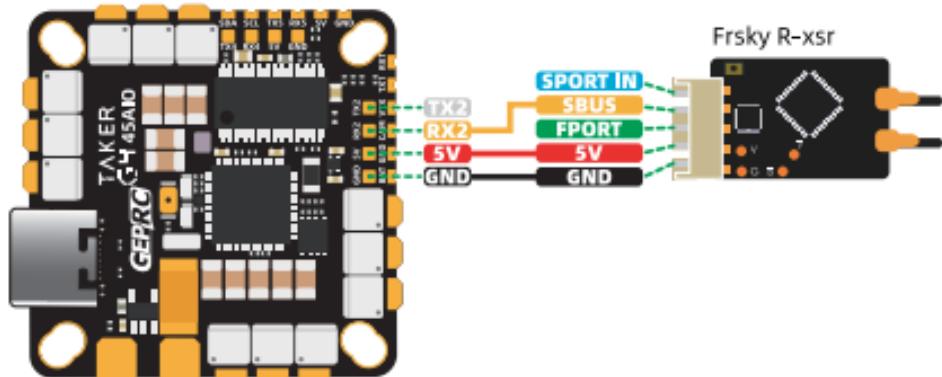
Receiver

Serial(via UART) Receiver Mode

The UART for the receiver must be set to 'Serial Rx'(in the Ports tab)
Select the correct data format from the drop-down, below:

CRSF Serial Receiver Provider

Receiver: (Frsky R-xsr)



Setup

Ports

Configuration

Power&Battery

Failsafe

PID

Receiver

Modes

Identifier	Configuration/MSP	Receiver
USB VCP	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART1	<input type="checkbox"/> 115200	<input type="checkbox"/>
UART2	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>

Receiver

Serial(via UART) Receiver Mode

The UART for the receiver must be set to 'Serial Rx' (in the Ports tab)
Select the correct data format from the drop-down, below:

SBUS Serial Receiver Provider

GPS:

	Identifier	Sensor Input	
Setup	USB VCP	Disabled	AUTO
Ports	UART1	Disabled	AUTO
Configuration	UART2	Disabled	AUTO
Power&Battery	LPUART	GPS	115200
Failsafe			

Adjustments

Servos

GPS

Motors

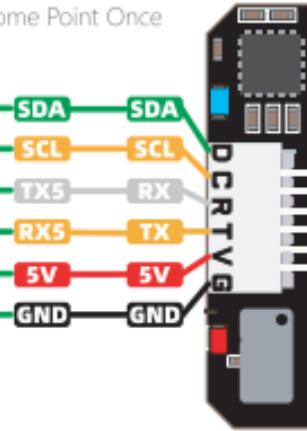
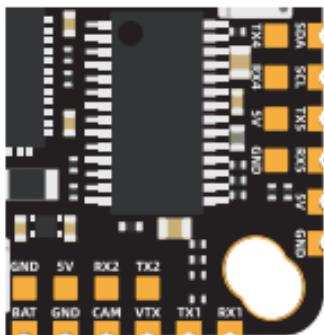
GPS GPS for navigation and telemetry protocol

UBLOX ▾

Auto Baud

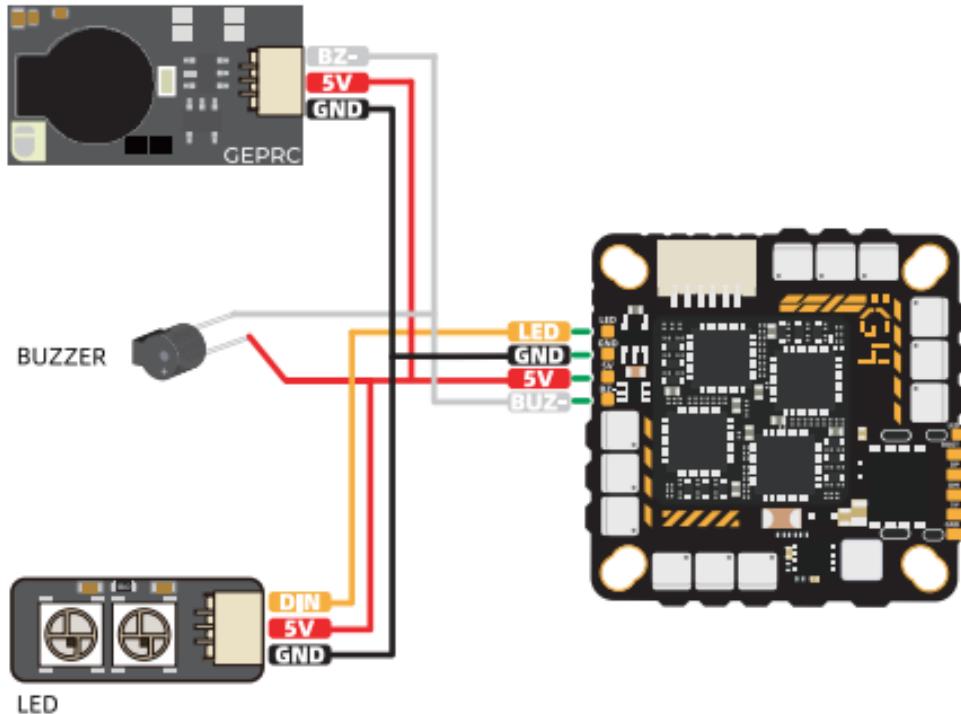
Auto Config

Set Home Point Once



Buzzer&LED:

GEPRC Super Buzzer



LED Setup:

Steup

Ports

Configuration

Power&Battery

Failsafe

Motors

VideoTransmitter

LED Strip

Sensors

Tethered Logging

Other Features

SERVO_TILT Servo gimbal

SOFTSERIAL Enable CPU based serial ports

SONAR sonar

TELEMETRY Telemetry output

LED_STRIP Multi-color RGB LED strip support

LED Strip Wiring

Wire Ordering Mode

Clear selected

Clear ALL Wiring

Choose a color for each LED

LED Functions

Function Color

Color modifier Throttle

Blink

Larson scanner

Overlay

Warnings

Indicator

VTX [uses vtx frequency to assign color]

LED Orientation ('Modes&Orientation') and Color

N	U	E	D	W	S	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----

CAUTION:

- 1 Aircraft of 3 inches or more need to install a capacitor, which is included in the package.
 - 2 All wires should try to avoid the gyroscope, so as not to affect the normal work of the gyroscope.
 - 3 After soldering, please check that all connections are correct to avoid damage after power-on.
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YouTube



[youtube.com/geprc](https://www.youtube.com/geprc)

Manual



geprc.com/support