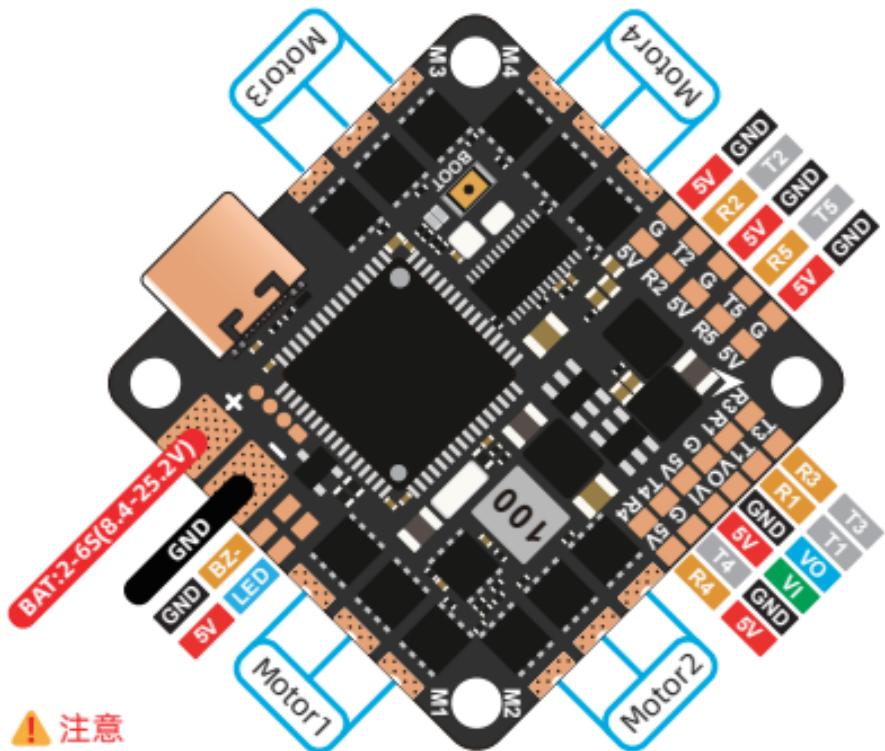


接口定义：



⚠ 注意

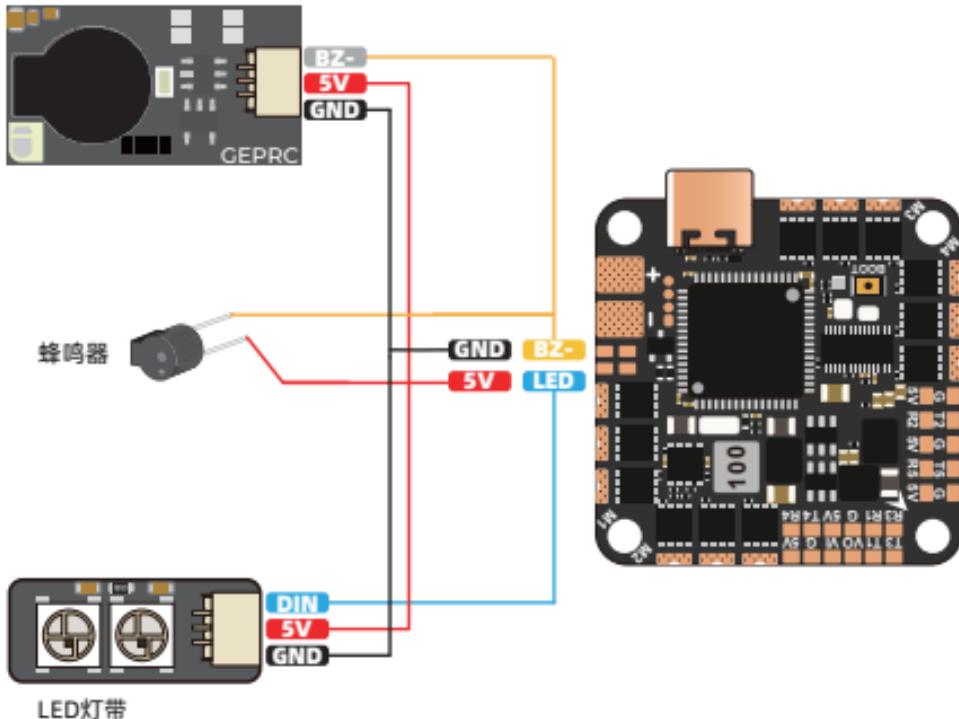
焊接电机时请小心

焊锡不要与金属MOS相连

否则会造成严重损坏！

蜂鸣器&LED：

GEPRC 超级蜂鸣器



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

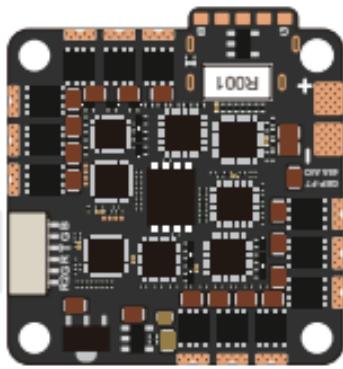
标识符	设置/MSP	串行数字接收机
USB VCP	<input checked="" type="checkbox"/> 115200 ▾	<input type="checkbox"/>
UART1	<input checked="" type="checkbox"/> 115200 ▾	<input type="checkbox"/>
UART2	<input type="checkbox"/> 115200 ▾	<input checked="" type="checkbox"/>

接收机

Serial (Via UART) 接收机模式

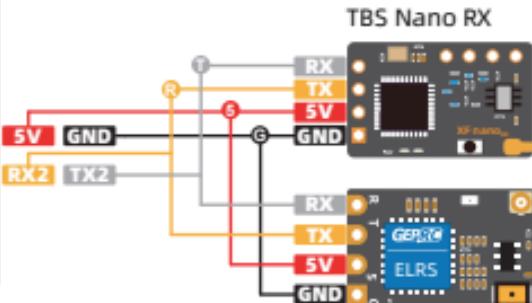
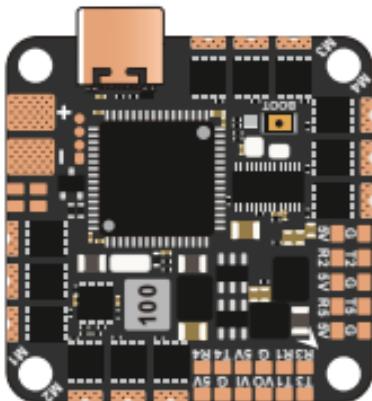
注意：使用串行接收机时，请选择串口接收机类型，并在串口页面设置相应的串口。

SBUS 串行数字接收机协议



如果使用外置接收机，请断开此线

接收机:(TBS Nano RX/ELRS)



GEPRC ELRS

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

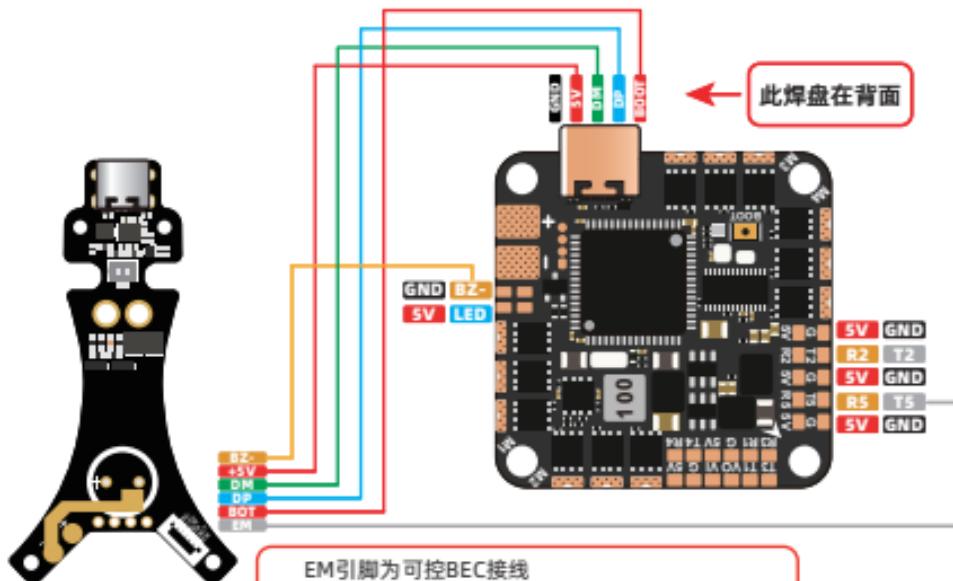
接收机

Serial(via UART) 按接收机模式

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

Cinelog30 V3 专用功能板



EM引脚为可控BEC接线

想实现可控BEC开关灯带功能需要刷入此代码：

```
resource SERIAL TX 5 none  
resource PINIO 2 C12  
set pinio config = 129,1,1,  
set pinio box = 39,40,41,42  
save
```

刷了此代码后，“模式”界面打开此通道开关即可



飞控参数

固件目标: GEPRC_F722_AIO

主控: STM32F722RET6

陀螺仪: ICM 42688-P

黑匣子: 16MB板载闪存

气压计: YES

BEC 5V: 3A

最大外尺寸: 35.0mm x 34.3mm

安装孔位: 25.5mm x 25.5mm

输入电压: 2-6S

Uart串口: 5个

电调参数

持续电流: 45A

瞬间电流: 50A(5S)

支持电池: 2-6s (8.4-25.2V)

固件: BLHeli32



GPS:

	设置
	端口
	配置
	动力&电池
	失控保护

标识符	传感器输入		
USB VCP	已禁用	AUTO	
UART1	已禁用	AUTO	
UART2	已禁用	AUTO	
.....	
UART5	GPS	115200	

	设置
	端口
	配置
	动力&电池
	失控保护

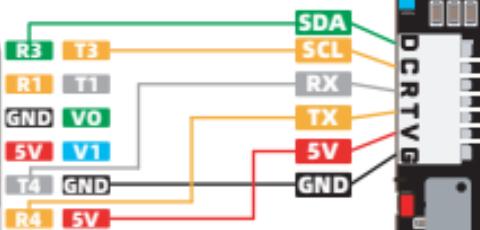
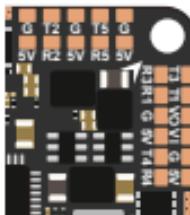
GPS 启用GPS导航

GPS 协议 UBLOX

自动波特率

自动设置

设置单次返航点



外置LED设置：

设置 端口 配置 动力&电池 失控保护

其他功能

<input type="checkbox"/> SERVO_TILT	舵机云台
<input type="checkbox"/> SOFTSERIAL	启用软串口
<input type="checkbox"/> SONAR	声呐
<input type="checkbox"/> TELEMETRY	遥测输出
<input checked="" type="checkbox"/> 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

LED 功能

基本功能 [颜色]

颜色修改器 闪烁 持续闪烁

油门 左右扫描

叠加功能 警告 指示灯

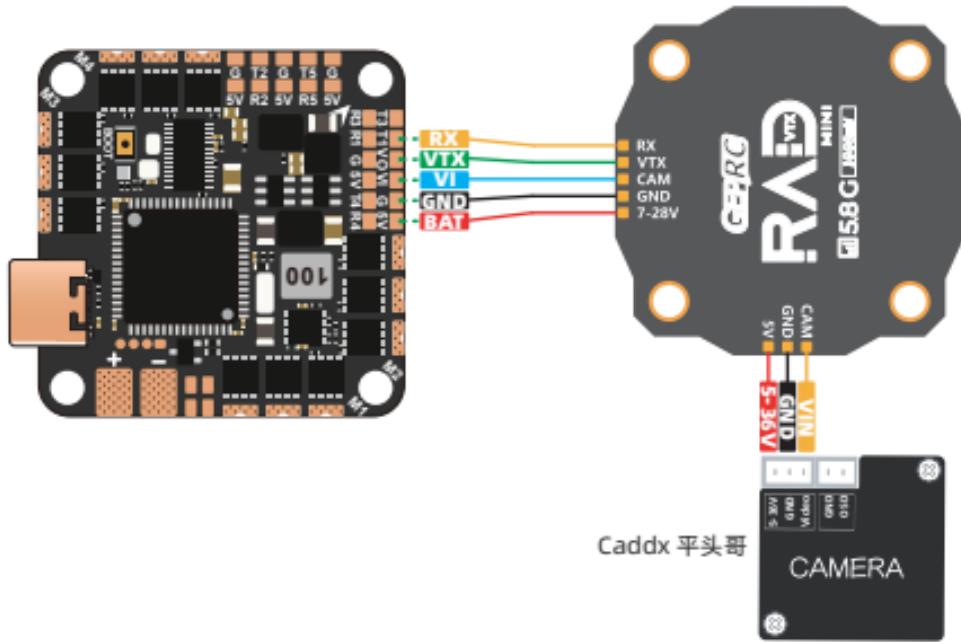
图传 (根据图传频率而变化)

LED 方向 ('模式和方向') 和颜色

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

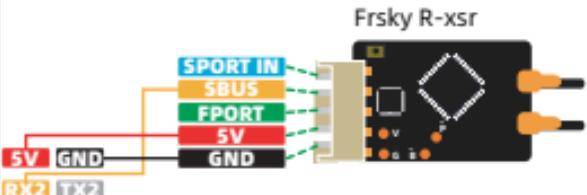
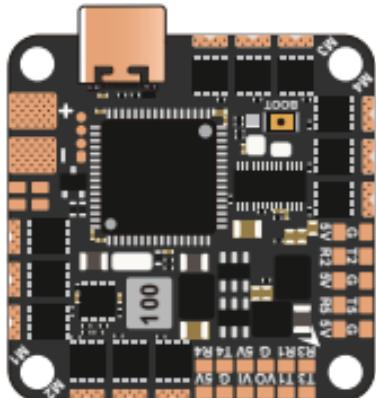
模拟图传：

GERPC RAD MINI VTX

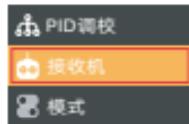


设置	标识符	设置/MSP	外设
端口	USB VCP	<input checked="" type="checkbox"/> 115200	已禁用 AUTO
配置	UART1	<input checked="" type="checkbox"/> 115200	VTX(IRC Tramp) AUTO
	UART2	<input checked="" type="checkbox"/> 115200	已禁用 AUTO

接收机:(Frsky R-xsr)



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"/>

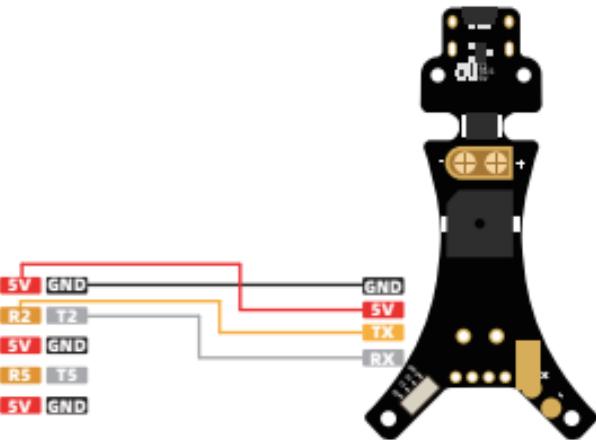
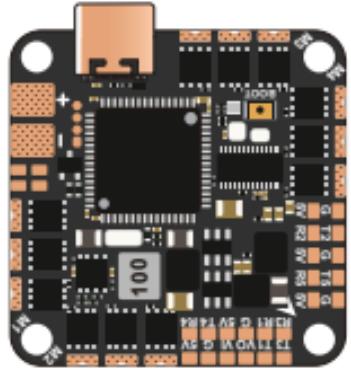


接收机

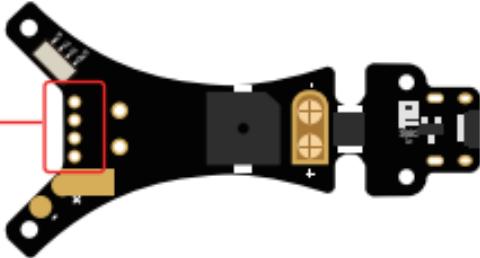
Serial(via UART) 接收机模式

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



RX
TX
5V
GND



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：



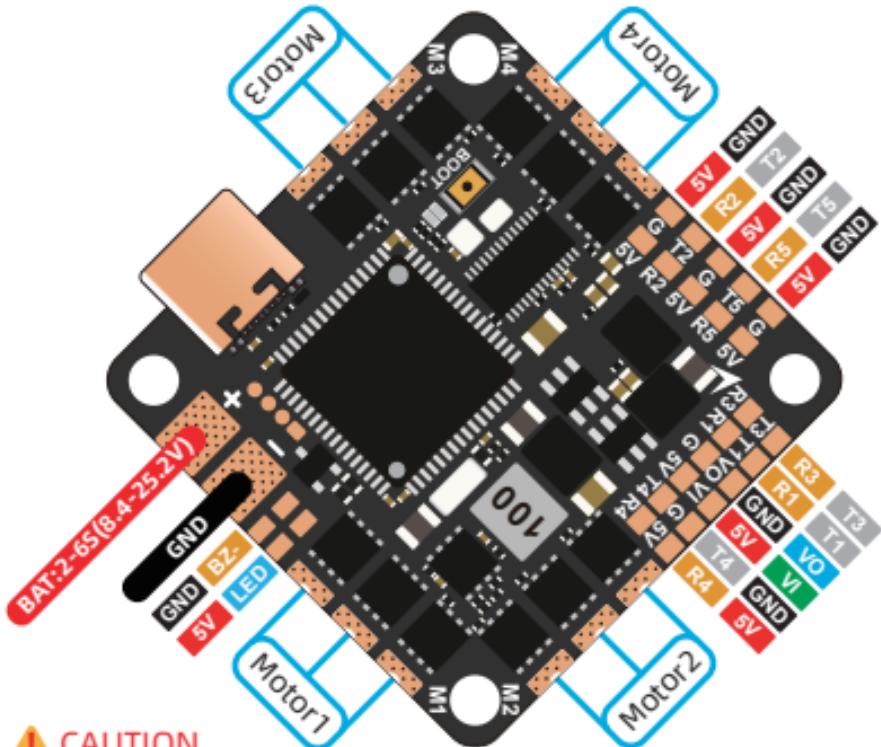
geprc.taobao.com

格普官网：



www.geprc.com

Interface definition:

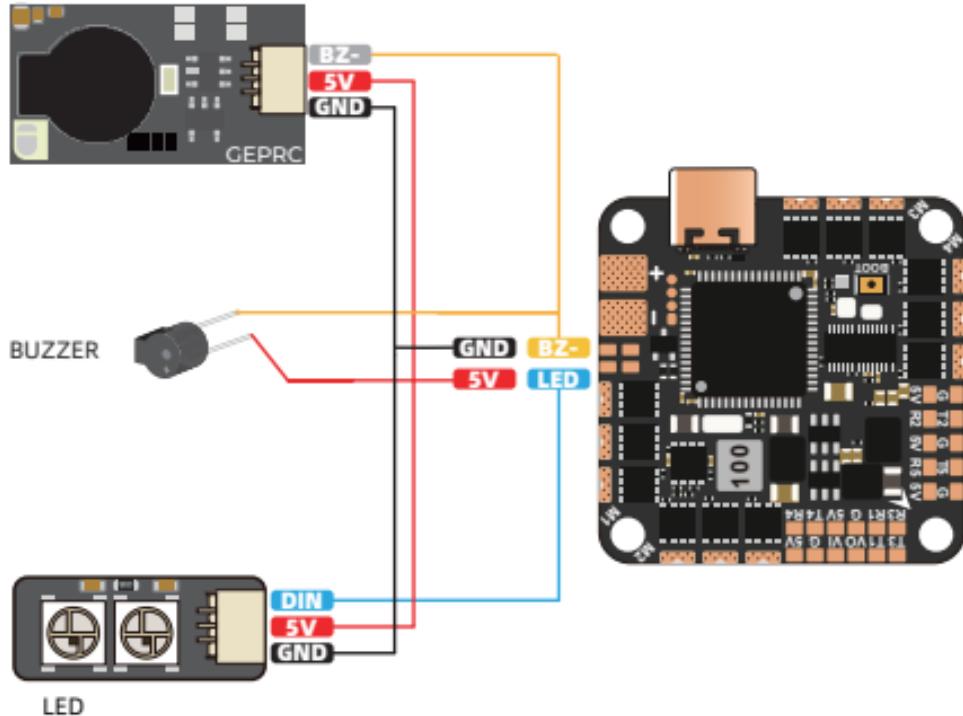


⚠ CAUTION

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!

Buzzer&LED:

GEPRC Super Buzzer



DJI FPV Digital System:

Setup
Ports
Configuration
Power&Battery
Failsafe

PID
Receiver
Modes

Identifier	Configuration/MSP	Serial RX
USB VCP	<input 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

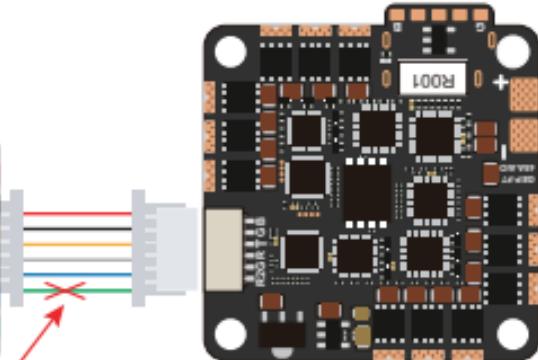
Serial (Via UART) Receiver Mode

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:

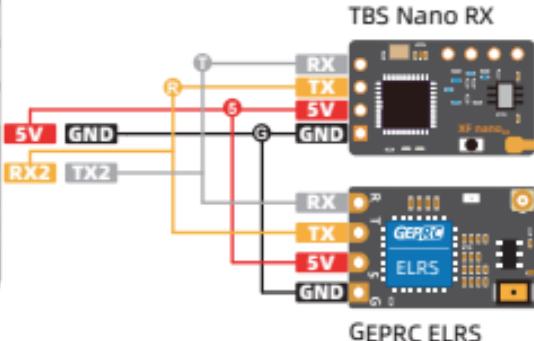
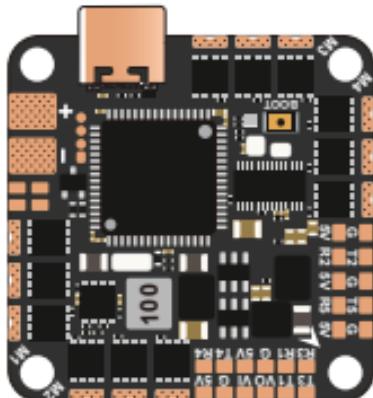
SBUS Serial Receiver Provider



If using an external receiver,
disconnect this line



Receiver: (TBS Nano RX/ELRS)



Setup	Identifier	Configuration/MSP	Receiver
Ports	USB VCP	<input type="button"/> 115200 ▾	<input type="checkbox"/>
Configuration	UART1	<input type="button"/> 115200 ▾	<input type="checkbox"/>
Power&Battery	UART2	<input type="button"/> 115200 ▾	<input type="checkbox"/>

PID

Receiver

Modes

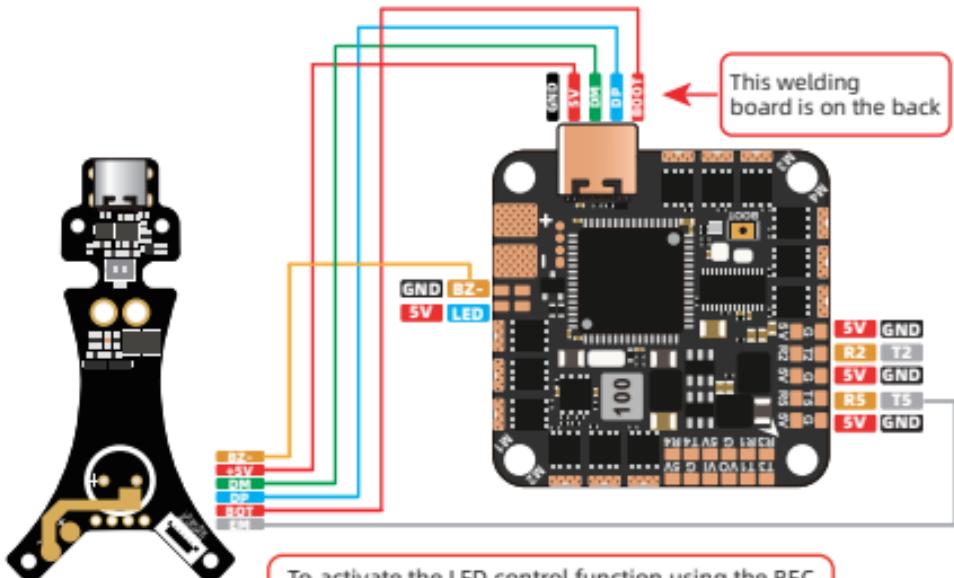
Receiver

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

CineLog30 V3 Custom Feature Edition:



To activate the LED control function using the BEC on the EM pin, flash this configuration:

```
resource SERIAL TX 5 none  
resource PINIO 2 C12  
set pinio config = 129,1,1,1  
set pinio box = 39,40,41,42  
Save
```

Then, open the "Modes" tab and enable the channel switch



FC:

target: GEPRC_F722_AIO
MCU: STM32F722RET6
IMU: ICM 42688-P
BLACKBOX: 16MB
Baro: YES
BEC: 5V 3A
Size: 35.0mm x 34.3mm
Install hole: 25.5mm x 25.5mm
Input Voltage: 2-6S LiPo
Uart: 5 Set

ESC:

Continuous Current: 45A
Burst Current: 50A(5S)
Input Voltage: 2-6S (8.4-25.2V)
Firmwar: BLHeli32



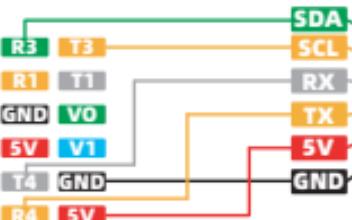
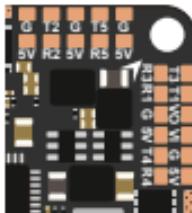
GPS:

Setup
Ports
Configuration
Power&Battery
Failsafe

Identifier	Sensor Input
USB VCP	Disabled ▾ AUTO ▾
UART1	Disabled ▾ AUTO ▾
UART2	Disabled ▾ AUTO ▾
..... ▾
UARY5	GPS ▾ 115200 ▾

Setup
Ports
Configuration
Power&Battery
Failsafe

GPS GPS for navigation and telemetry
 protocol
 Auto Baud
 Auto Config
 Set Home Point Once



LED Setup:

Setup Ports Configuration Power&Battery Failsafe

Other Features

<input type="checkbox"/> SERVO_TILT	Servo gimbal
<input type="checkbox"/> SOFTSERIAL	Enable CPU based serial ports
<input type="checkbox"/> SONAR	sonar
<input type="checkbox"/> TELEMETRY	Telemetry output
<input checked="" type="checkbox"/> LED_STRIP	Multi-color RGB LED strip support

Motors VideoTransmitter LED Strip Sensors Tethered Logging

LED Strip Wiring

Wire Ordering Mode

Clear selected Clear All Wiring

Choose a color for each LED

0	1	2	3
4	5	6	7
8	9	10	11
12	13	14	15

LED Functions

Function: Color

Color modifier: Throttle

Blink: Blink always

Larson scanner

Overlay

Warnings

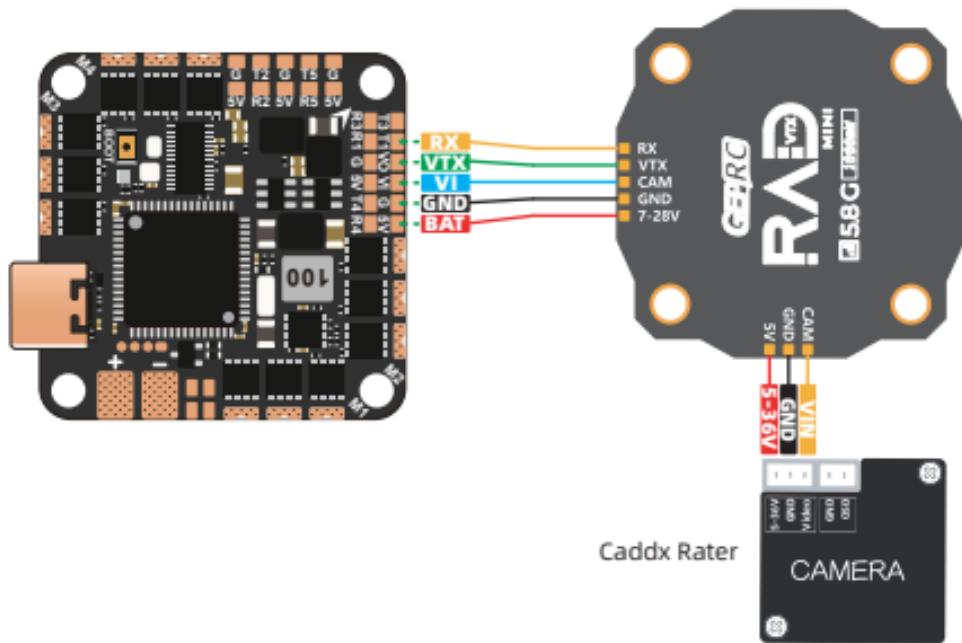
Indicator

VTX (uses vtx frequency to assign color)

LED Orientation ('Modes&Orientation') and Color

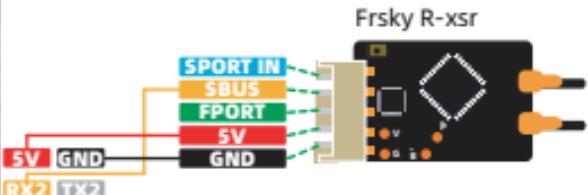
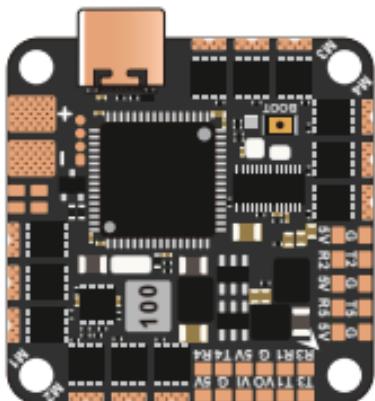
Analog VTX:

GERPC RAD MINI VTX



Setup	Identifier	Configuration/MSP	Peripherals
Ports	USB VCP	<input type="checkbox"/> 115200 ▾	<input type="checkbox"/> Disabled ▾ AUTO ▾
Configuration	UART1	<input type="checkbox"/> 115200 ▾	<input type="checkbox"/> VTX(IRC Tramp) ▾ AUTO ▾
	UART2	<input type="checkbox"/> 115200 ▾	<input type="checkbox"/> Disabled ▾ AUTO ▾

Receiver: (Frsky R-xsr)



- 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"/>

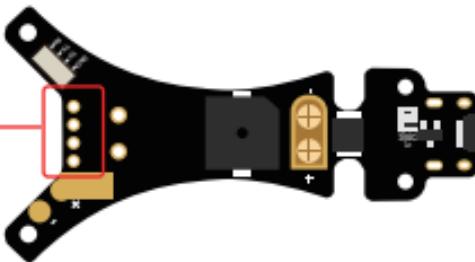
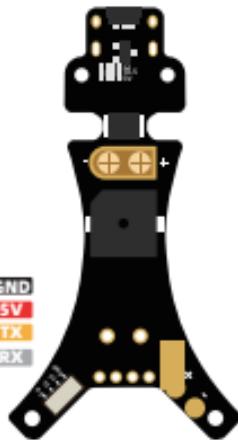
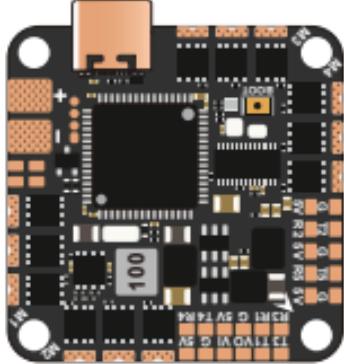
- PID
- Receiver**
- Modes

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:

SBUS Serial Receiver Provider



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.
-

