

飞控参数

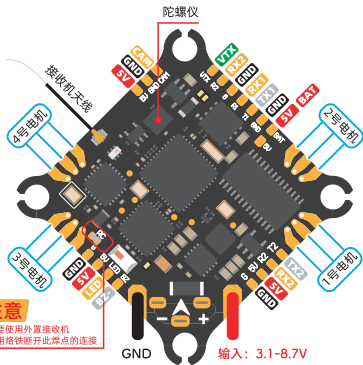
固件目标:	TAKERF411
主控:	STM32F411CEU6
陀螺仪:	BMI270
黑匣子:	8MB
BEC:	5V@1A
安装孔位:	25.5x25.5mm(M3)
Uart串口:	TX1 RX1 TX2 RX2

集成ELRS2.4G 3.0接收机

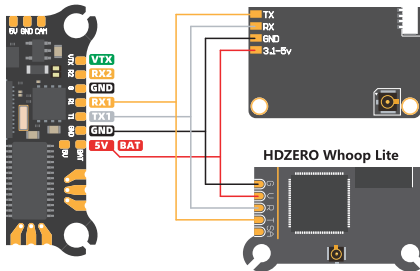
电调参数

固件:	Bluejay C-X-30
主控:	EFM8BB51
支持电池:	1-2S (3.1-8.7V)
电调协议:	Dshot300-600
持续电流:	12A
瞬时电流:	13A

飞控定义

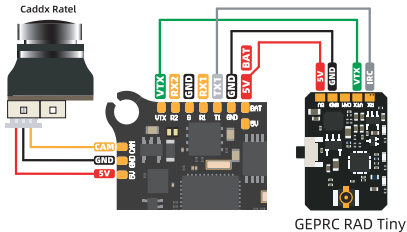


HDZero/Walksnail



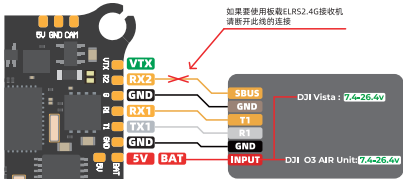
设置	标识符	设置/MSP	串行数字接收机
端口	USB VCP	<input type="checkbox"/> 115200 ▼	<input type="checkbox"/>
配置	UART1	<input checked="" type="checkbox"/> 115200 ▼	<input type="checkbox"/>
动力&电池	UART2	<input type="checkbox"/> 115200 ▼	<input checked="" type="checkbox"/>

模拟图传



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

DJI数字图传



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"/>

注意

DJI vista或DJI O3图传
只能使用2S电池

Receiver

串行接收机 (通过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

板载接收机:ELRS2.4G

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

PID调校

接收机

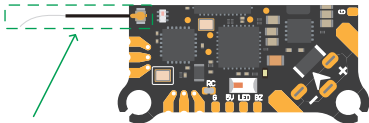
模式

接收机

串行接收机 (通过UART) Receiver Mode

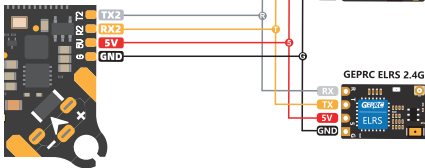
注意: 使用串行接收机时, 请选择串口接收机类型, 并在串口页面设置相应的串口

CRSF 串行数字接收机协议



使用板载接收机时, 请安装好天线

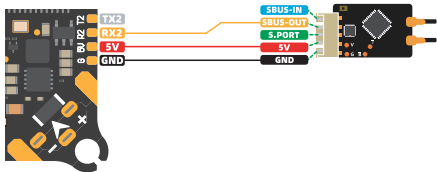
外置接收机:TBS/ELRS



设置	标识符	设置/MSP	串行数字接收机
🔌 端口	USB VCP	<input checked="" type="checkbox"/> 115200 ▼	<input type="checkbox"/>
⚙️ 配置	UART1	<input type="checkbox"/> 115200 ▼	<input type="checkbox"/>
🔋 动力&电池	UART2	<input checked="" type="checkbox"/> 115200 ▼	<input checked="" type="checkbox"/>
🛡️ 失控保护			

PID调试	接收机
🔧 接收机	<div style="border: 1px solid gray; padding: 5px;"> 接收机 串行接收机 (通过UART) Receiver Mode 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 CRSF 串行数字接收机协议 </div>
🔄 模式	

外置接收机：R-XSR



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

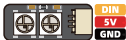
PID调校	接收机
接收机	串行接收机 (通过UART) ▾ Receiver Mode
模式	<ul style="list-style-type: none">必须将接收机对应的 UART 设置为“数字串行接收机”（在 端口页面）从下拉列表中选择正确的数据格式。如下：
	SBUS ▾ Serial Receiver Provider

LED/蜂鸣器

GEPRC 超级蜂鸣器



蜂鸣器



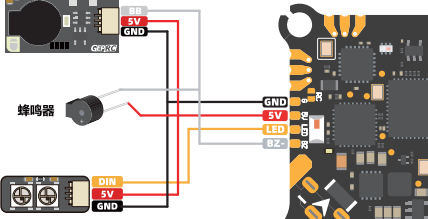
LED灯带

蜂鸣器配置

- GYRO_CACIBRATED
- RX_LOST
- RX_LOST_LOADING
-

其他功能

- TELEMETRY
- LED_STRIP
- DISPLAY



注意事项

- 1 装机后请**仔细检查连线是否正确**，保持飞控整体干净 无多余锡渣残留
- 2 为了飞行的稳定性，请安装电容后使用，包装内附带了一颗
- 3 焊接的电线尽量避开陀螺仪，以免影响陀螺仪正常工作

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PDF手册



Manual PDF

FC info

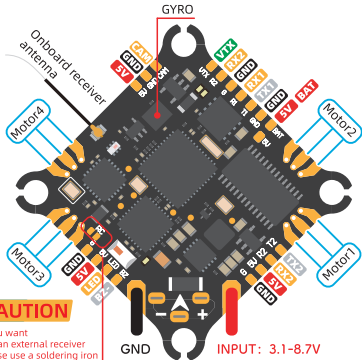
Target:	TAKERF411
MCU:	STM32F411CEU6
IMU:	BMI270
BLACKBOX:	8MB
BEC:	5V@1A
Install hole:	25.5x25.5mm(M3)
Uart:	TX1 RX1 TX2 RX2

Integrated ELRS 2.4G 3.0 receiver

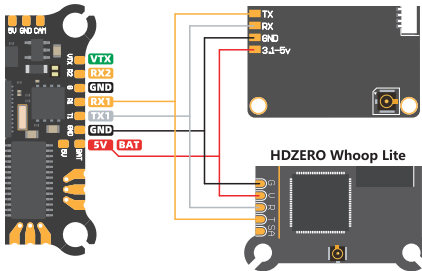
ESC info

Target:	Bluejay C-X-30
MCU:	EFM8BB51
Battery:	1-2S (3.1-8.7V)
ESC Protocol:	Dshot300-600
Continuous Current:	12A
Burst Current:	13A

Interface definition

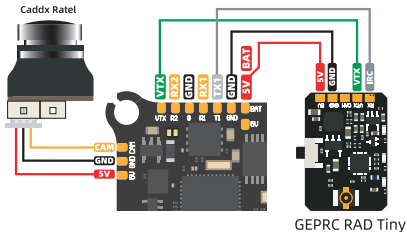


HDZero/Walksnail



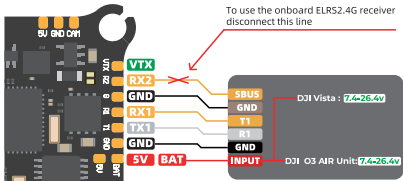
Setup	Identifier	Configuration/MSP	Serial RX
Ports	USB VCP	<input type="checkbox"/> 115200 ▼	<input type="checkbox"/>
Configuration	UART1	<input checked="" type="checkbox"/> 115200 ▼	<input type="checkbox"/>
Power&Battery	UART2	<input type="checkbox"/> 115200 ▼	<input checked="" type="checkbox"/>

Analog VTX



	Identifier	Configuration/MSP	Sensor Input
Setup	USB VCP	<input type="checkbox"/> <input type="text"/>	Disabled <input type="text"/> AUTO <input type="text"/>
Ports	UART1	<input checked="" type="checkbox"/> <input type="text"/>	VTX (IRC Tramp) <input type="text"/> AUTO <input type="text"/>
Configuration	UART2	<input type="checkbox"/> <input type="text"/>	Disabled <input type="text"/> AUTO <input type="text"/>

DJI FPV Digital System



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"/>

CAUTION

DJI vista or DJI O3
can only use 2S battery!

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

REceiver:TBS/ELRS

Setup	Identifier	Configuration/MSP	Serial RX
Ports	USB VCP	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>
Configuration	UART1	<input type="checkbox"/> 115200	<input type="checkbox"/>
Power&Battery	UART2	<input checked="" type="checkbox"/> 115200	<input checked="" type="checkbox"/>

PID

Receiver

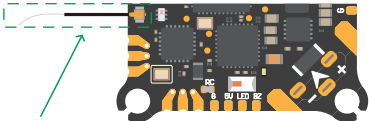
Modes

Receiver

Serial(via UART) | Receiver Mode

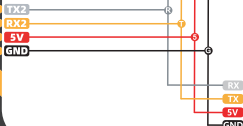
The UART for the receiver must be set to 'Serial Rx'(in the Ports tab)
Select the correct data format from the drop-down,below:

CRSF | Serial Receiver Provider



When using an onboard receiver
Please install the antenna

REceiver:TBS/ELRS



TBS Nano RX



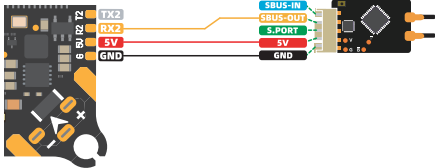
GEPRC ELRS 2.4G



Setup	Identifier	Configuration/MSP	Serial RX
Ports	USB VCP	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>
Configuration	UART1	<input type="checkbox"/> 115200	<input type="checkbox"/>
Power&Battery	UART2	<input checked="" type="checkbox"/> 115200	<input checked="" type="checkbox"/>

PID	Receiver
Receiver	Serial(via UART) Receiver Mode
Modes	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: R-XSR



	Identifier	Configuration/MSP	Serial RX
Setup			
Ports	USB VCP	<input checked="" type="checkbox"/> 115200 ▾	<input type="checkbox"/>
Configuration	UART1	<input type="checkbox"/> 115200 ▾	<input type="checkbox"/>
Power&Battery	UART2	<input checked="" type="checkbox"/> 115200 ▾	<input checked="" type="checkbox"/>
Failsafe			

PID	Receiver
Receiver	Serial(via UART) ▾
Modes	
	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 ▾

LED/Buzzer

GEPRC Super Buzzer



Buzzer



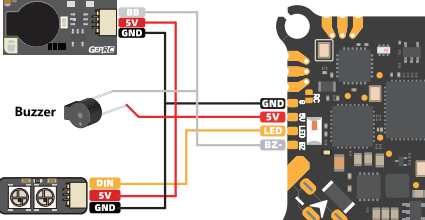
LED Strip

Beeper Configuration

- GYRO_CACIBRATED
- RX_LOST
- RX_LOST_LOADING
-

Other Features

- TELEMETRY
- LED_STRIP
- DISPLAY



CAUTION

- 1 After soldering, please check that all connections are correct to avoid damage after power-on.
 - 2 In order to ensure flight stability, please install the capacitor before use. One is included in the package.
 - 3 Try to route the soldered wires away from the gyro to prevent interference with the gyro's normal operation
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Manual



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