

规格

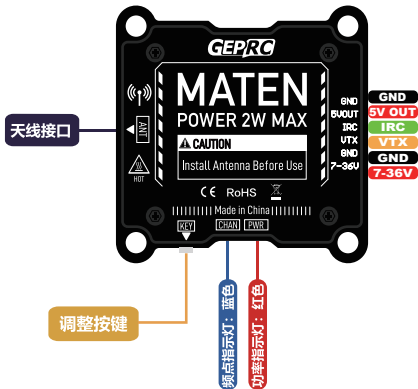
- 产品名称: 格普 MATEN 1.2G 2W VTX
- 频段: 1080MHz-1360MHz
- 频道数: 9
- 频率: 1080/1120/1160/1200/1240
1280/1320/1360/1220(MHz)
- 输出功率: 25mW/400mW/800mW
2000mW/Pit mode
- 输入电压: DC7-36V (2-8S Battery)
- 输出电压: 5V@600mA
- 控制协议: IRC Tramp
- 天线接口: MMCX
- 安装孔位: 30.5x30.5mm(M3)
- 重量: 14.5克(仅图传)



MATEN 1.2G 2W VTX

CH1/1080	CH4/1200	CH7/1320
CH2/1120	CH5/1240	CH8/1360
CH3/1160	CH6/1280	CH9/1220

接口定义

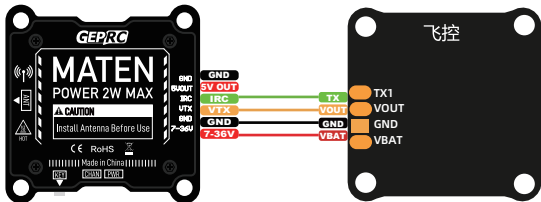


IRC端口设置

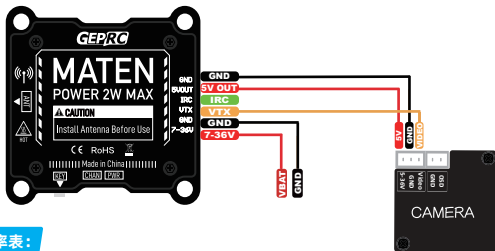
设置	标识符		外设	
端口	USB VCP		已禁用	AUTO
配置	UART1	→	图传 (IRC Tramp)	AUTO
动力&电池	UART2		Disabled	AUTO
失控保护	UART3		Disabled	AUTO

连接示例(二选一)

① 图传连接到飞控上



② 图传连接到摄像头上（无OSD）



图传频率表：

CH Band	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9
Band A	1080	1120	1160	1200	1240	1280	1320	1360	1220

注：图传表只能设置8个频点

1. 扫描下方二维码 或打开浏览器输入网址:

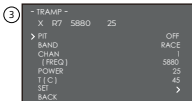
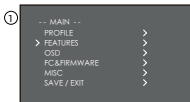
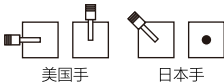
(<https://geprc.com/maten-1-2g-2w-vtx-irc-tramp/>) 复制里面的CLI图传表代码。

2. 打开betaflight, 点击CLI (命令行), 在下方输入框内粘贴刚刚复制的代码, 在键盘上点击回车即可设置好图传表。



使用IRC调整图传

1. 开启遥控器，油门回中，方向摇杆推到最左，俯仰摇杆推到最顶，图传画面将会显示OSD菜单。
2. 俯仰摇杆上下控制光标移动，横滚摇杆向右推确定选项。最后保存设置退出。



使用按键调整图传

1. 短按侧边按键1秒，切换频点。

频点	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9
蓝色 指示灯	闪烁1次	闪烁2次	闪烁3次	闪烁4次	闪烁5次	闪烁6次	闪烁7次	闪烁8次	闪烁9次

2. 长按侧边按键4秒，切换功率。

3. 长按侧边按键8秒，开启和退出PIT mode。

功率	25mW	400mW	800mW	2000mW	PIT Mode
红色 指示灯	闪烁1次	闪烁2次	闪烁3次	闪烁4次	熄灭

注 意



1. 使用本产品请遵守当地无线电法律法规，使用当地允许的频道频率。
 2. 通电前请安装天线，以延长图传使用寿命。
 3. 请在通风良好的环境下使用以保持高功率。
 4. 图传工作时会产生高温，请勿用手直接触碰，以免烫伤。
 5. 使用高品质天线可以延长图传的传输距离。
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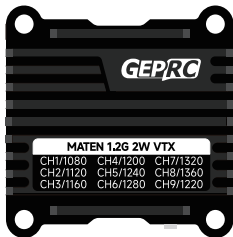
格普官网：



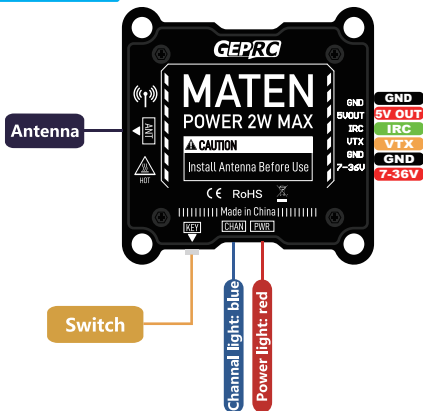
www.geprc.com

SPECS

Item name:	GEPRC MATEN 1.2G 2W VTX
Frequency band:	1080MHz-1360MHz
Channel customer:	9
Channel Frequency:	1080/1120/1160/1200/1240 1280/1320/1360/1220(MHz)
Output power:	25mW/400mW/800mW 2000mW/Pit mode
Input Voltage:	DC7-36V(2-8S Battery)
Output voltage:	5V@600mA
Protocol:	IRC Tramp
Antenna interface:	MMCX
Mounting hole :	30.5x30.5mm(M3)
Weight:	14.5g(VTX only)



Interface definition

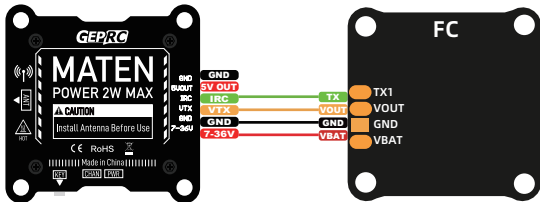


VTX IRC Setting

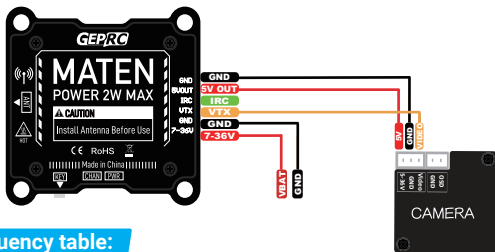
Setup	Identified		Peripherals	
UART	USB VCP		Disabled	AUTO
Config	UART1	 →	VTX (IRC Tramp)	AUTO
Power&Battery	UART2		Disabled	AUTO
Failsafe	UART3		Disabled	AUTO

Connect the sample:(One of two)

① The VTX is connected to the FC



② VTX connected to the camera (no OSD)

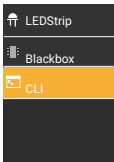


Frequency table:

CH Band	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9
Band A	1080	1120	1160	1200	1240	1280	1320	1360	1220

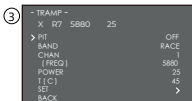
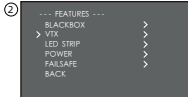
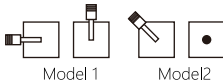
Note: vtxtable can only set 8 channels.

1. Scan the QR code below or Open the link by browser :
(<https://geprc.com/maten-1-2g-2w-vtx-irc-tramp/>) and Copy the CLI Dump's VTX table code.
2. Open the Betaflight, Click on the "CLI ", Paste the code just copied before, and click enter on the keyboard.



Tune the VTX using IRC

1. Turn on the remote control,THR middle,YAW left,PITCH up,enter the OSD menu.
- 2.The PITCH moves the cursor up and down, and the ELE right to enter the next item.Finally,save and exit.



Use the buttons to adjust the VTX

1. Press the side button for 1 second to switch the frequency.

Frequency	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9
Blue light	Flash 1X	Flash 2X	Flash 3X	Flash 4X	Flash 5X	Flash 6X	Flash 7X	Flash 8X	Flash 9X

2. Long press the side button for 4 seconds to switch power.

3. Long press the side button for 8 seconds to open and exit PIT mode.

Power	25mW	400mW	800mW	2000mW	PIT Mode
Red light	Flash 1X	Flash 2X	Flash 3X	Flash 4X	Extinguish

CAUTION

1. When using this product, please comply with local radio laws and regulations, and use the local permitted frequency band and frequency.
 2. To prolong the service life of the module, install the antenna before powering on the power.
 3. Good heat dissipation can make the module run continuously under high power.
 4. This product will produce high temperature when working, please do not touch directly with your hands to avoid scalding.
 5. Longer transmission distance can be obtained by using high-quality antenna.
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