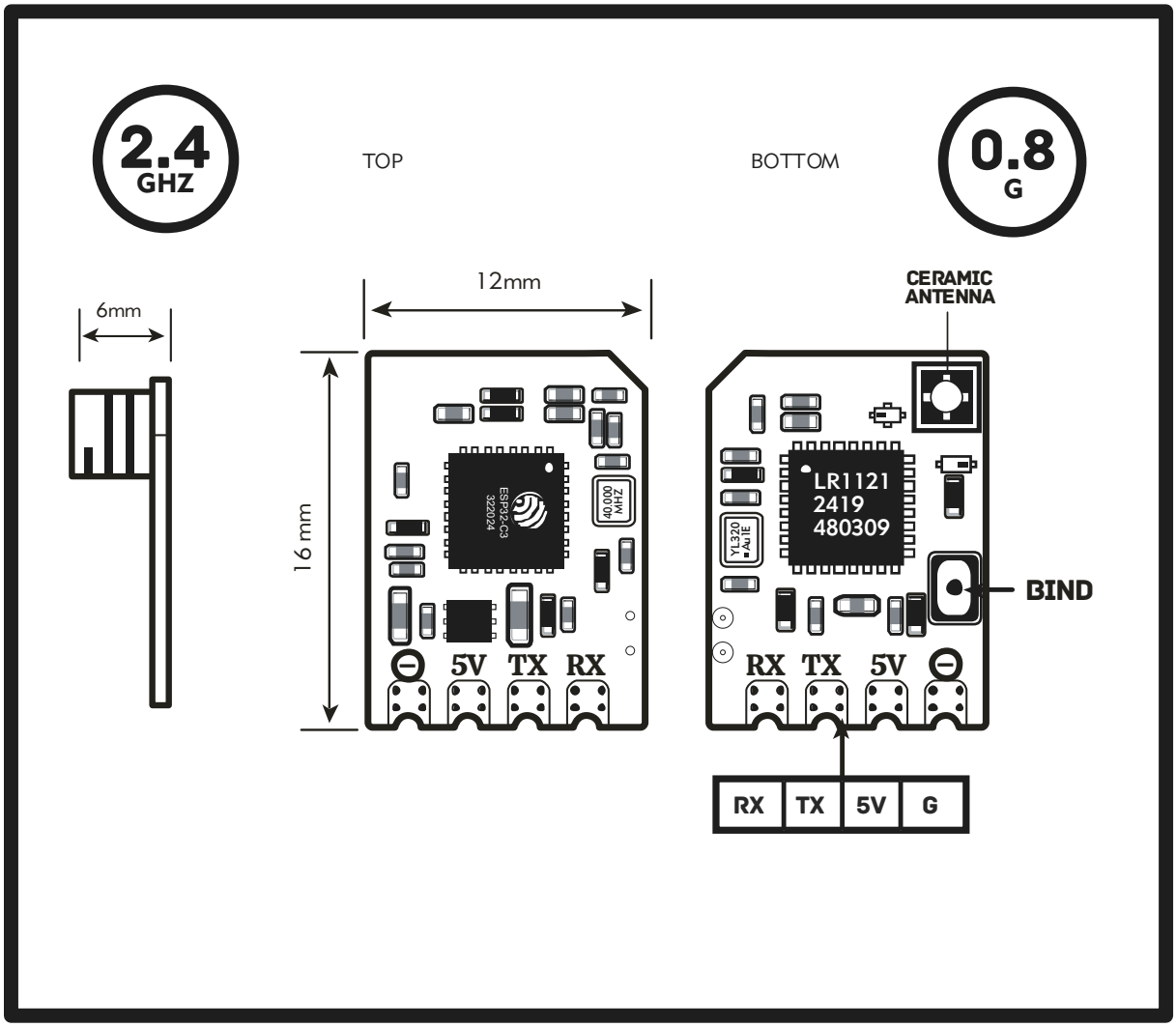
XR2 Receiver User Manual



SPECIFICATIONS

- Item: XR2 Nano 2.4GHz ExpressLRS Receiver
- Type: ISM2.4
- MCU: ESP32C3
- RF Chip: Semtech LR1121
- Antenna: Integrated 2.4GHz Tower Antenna
- Frequency Range: 2.400 - 2.479GHz
- Telemetry Power: 10mW
- Maximum Packet rate: DK500Hz
- Minimum Packet refresh rate: 50Hz
- Working voltage: 5V
- Weight: 0.8g
- Dimension: 16mm * 12mm * 6mm
- Firmware Version: ExpressLRS v3.5.1 pre-installed
- Bus interface 1: CRSF
- Bus interface 2: UART

INCLUDES

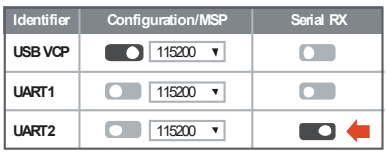
1 * XR2 Nano 2.4GHz ExpressLRS Receiver
1 * CRSF Wire
3 * Heat-Shrinkable Tube
1 * Manual Card

DEFAULT FIRMWARE

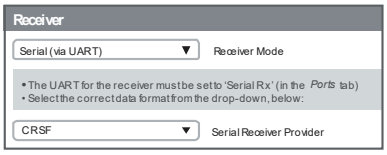
RadioMaster XR2 2.4 RX

For more information, please visit the ELRS website:
https://www.expresslrs.org/2.0/

CONFIGURATION



Open **Betaflight** Configurator, go to **Ports** tab and enable the corresponding UART as a Serial RX (e.g. UART2 as shown above)**Save** and **Restart**.



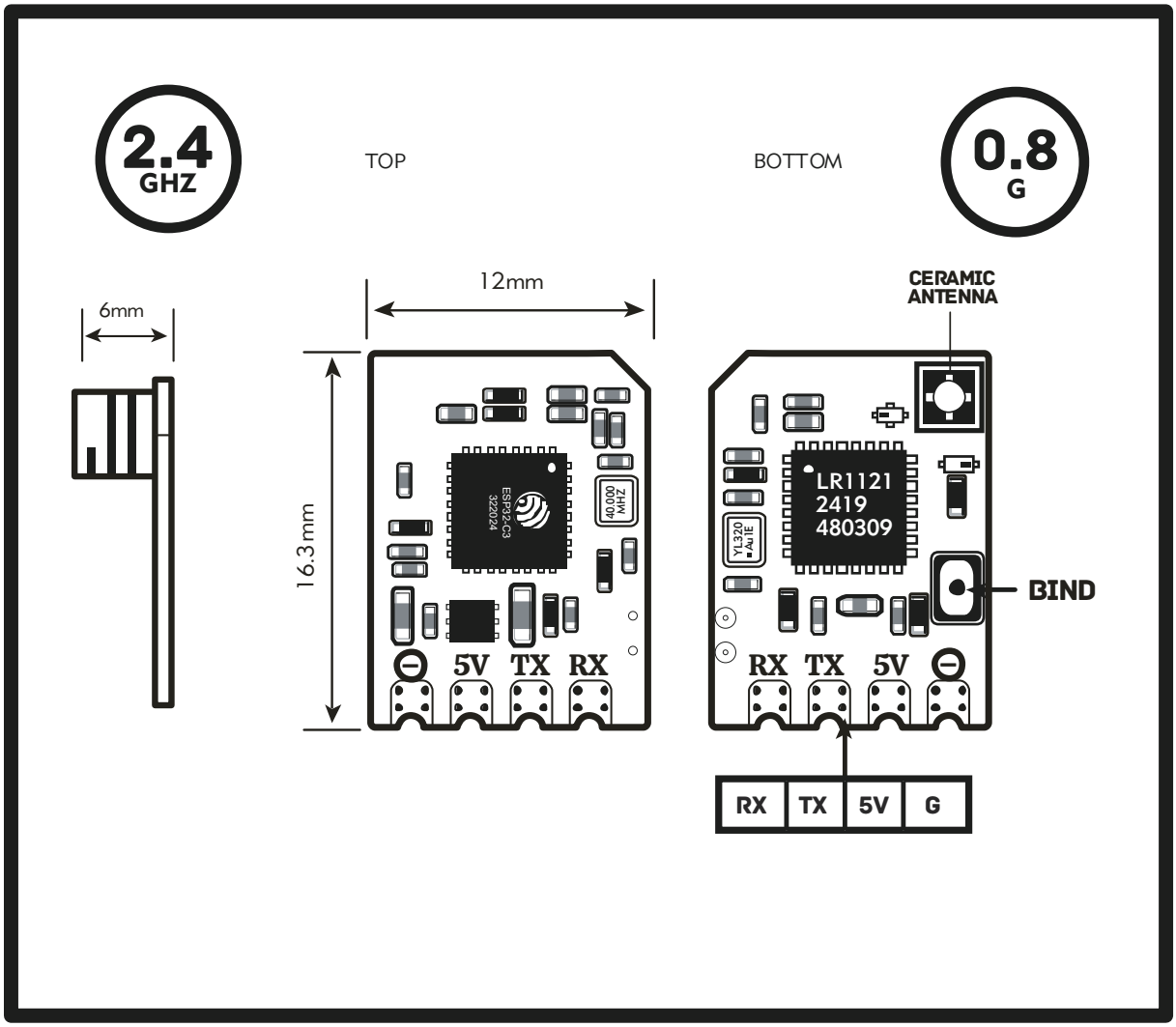
On the **Configuration** tab, click on **Serial-based receiver** on the **Receiver** panel, and select **CRSF**.

TRADITIONAL BINDING

Binding Phrase field must be uncommented in **Device options** on the RX.

1. Power **OFF** your transmitter/radio.
2. Plug in and unplug your receiver **3 times**.
3. Make sure the LED is doing a quick **double blink**, which indicates the receiver is in bind mode.
4. Power **ON** your transmitter/radio and use the **[BIND]** button on the ExpressLRS Lua script, which sends out a binding pulse.
5. If the receiver has a **solid light**, it's bound!

XR2 接收机说明书



规格参数

- 类型：ISM_2.4
- MCU：ESP32C3
- 射频芯片：Semtech LR1121
- 天线：集成 2.4GHz 塔式天线
- 频率范围：2.4GHz
- 射频功率：10mW
- 最大数据包率：DK500Hz
- 最小数据包刷新率：50Hz
- 工作电压：5V
- 重量：0.8g
- 尺寸：16mm * 12mm * 6mm
- 固件版本：ExpressLRS v3.5.1 已预装
- 总线接口 1：CRSF
- 总线接口 2：UART

包装清单

1 * XR2 Nano ExpressLRS 双频接收机
1 * CRSF 线材
3 * 热缩管
1 * 服务卡

固件下载

RadioMaster XR2 2.4 RX

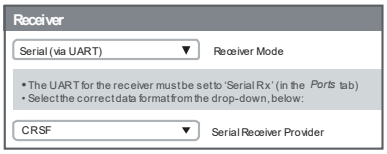
For more information, please visit the ELRS website:

https://www.expresslrs.org/2.0/

设置

Identifier	Configuration/MSP	Serial RX
USB VCP	115200	
UART1	115200	
UART2	115200	

打开Betaflight Configuration，转到Ports端口选项卡并启用相应的UART作为Serial RX（例如，如上所示的UART2）保存并重新启动。



在Configuration选项卡上，单击Receiver面板上的Serial-based receiver，并选择CRSF。

对频方法

1：关闭遥控器
2：重复给接收机上电三次，接收机灯双闪，表明接收机处于对频模式
3：开启遥控器，进入ExpressLRS的LUA操作界面，选择到【BIND】按键确认
4：接收机灯常亮表明对频成功