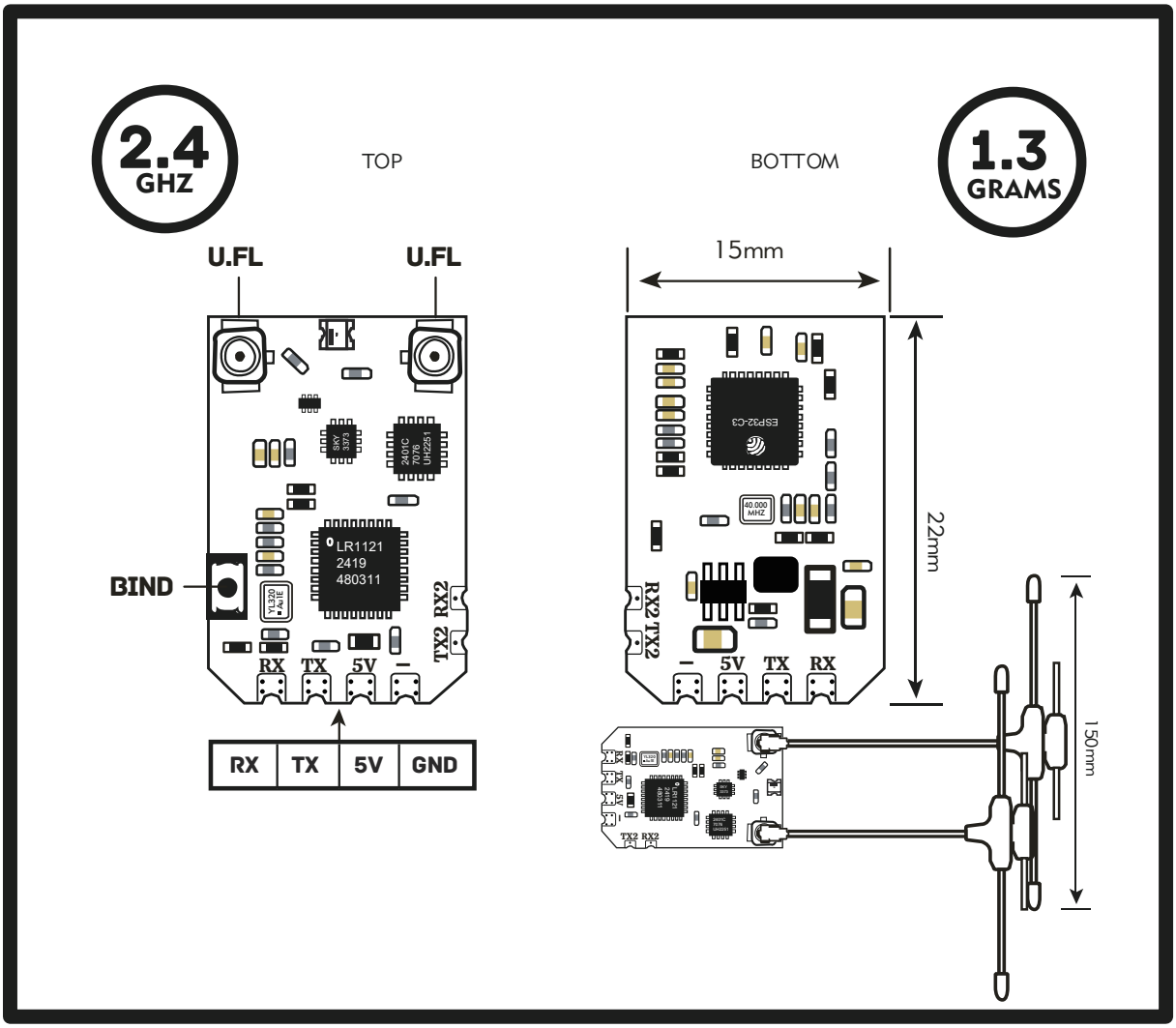
XR3 Receiver User Manual



SPECIFICATIONS

- Item: XR3 Nano Multi-Frequency Antenna Diversity ExpressLRS Receiver
- Type: ISM2.4, FCC915
- MCU: ESP32C3
- RF Chip: LR1121
- RF connector: IPEX-1 X 2
- Antenna: 2x T-Antenna (Either 2.4GHz, 900Mhz or Dual-band depending on selected package)
- Frequency Range: 2.4GHz / Sub-G 900MHz [ISM 2.4GHz / FCC915]
- Maximum receive refresh rate: DK500Hz / K1000Hz
- Minimum receiver refresh rate: 25Hz
- Working voltage: DC 5.0 - 12.6v
- Weight: 1.3g (without antenna)
- Dimension: 22mm * 15mm * 4mm
- Firmware Version: ExpressLRS v3.5.1 pre-installed
- Bus interface 1: CRSF
- Bus interface 2: UART

INCLUDES

1 * XR3 Nano Multi-Frequency Antenna Diversity ExpressLRS Receiver
2 * T Antenna (Either 2.4GHz, 900Mhz or Dual-band depending on selected package)
1 * CRSF Wire
3 * Heat-Shrinkable Tube
1 * Manual Card

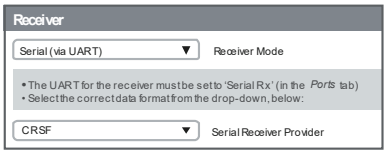
DEFAULT FIRMWARE

RadioMaster XR3 2.4/900 Diversity RX
For more information, please visit the ELRS website:
https://www.expresslrs.org/2.0/

CONFIGURATION

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

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**.



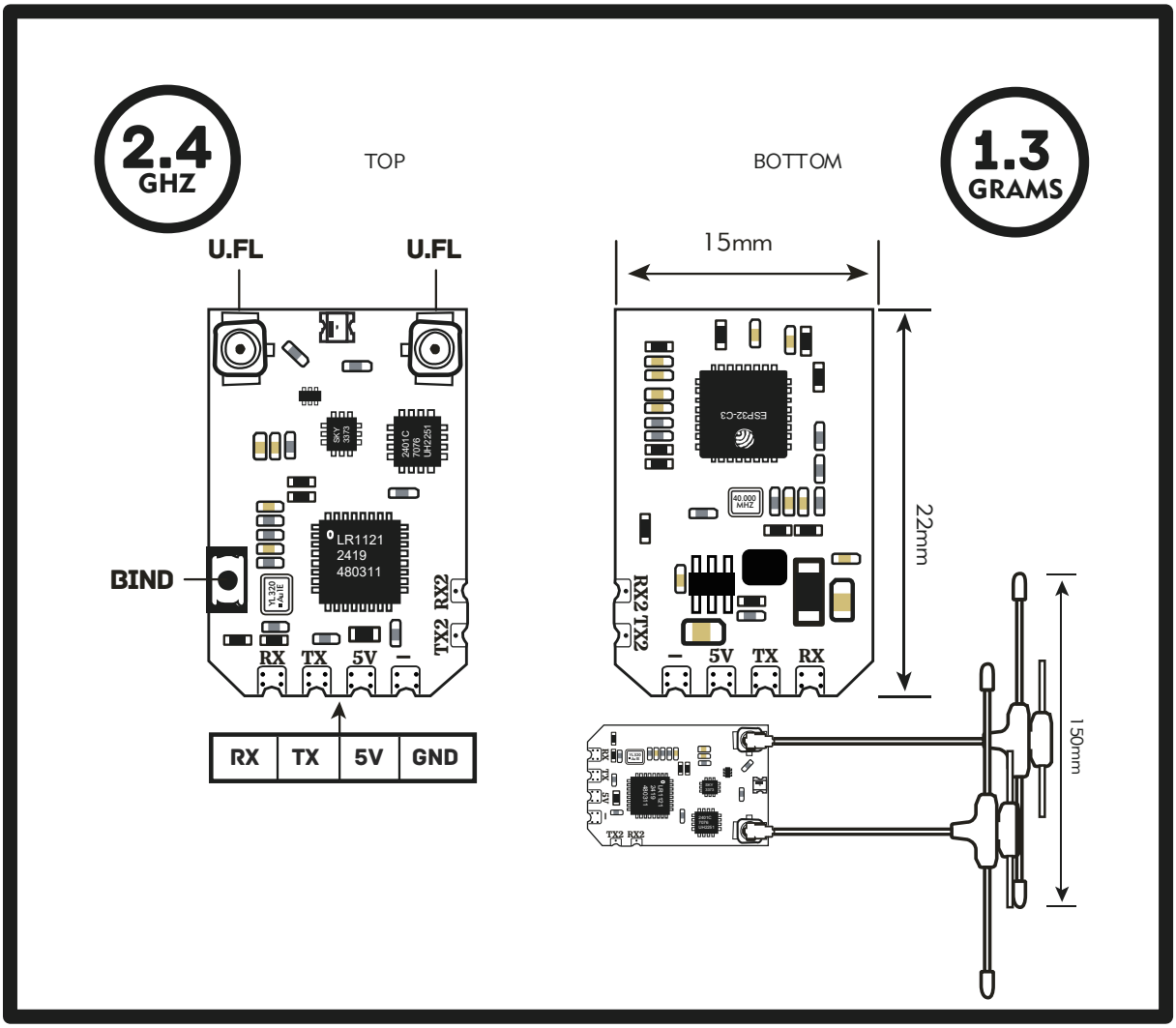
On the **Configuration** tab, click on **Serial-based receiver** on the **Receiver** panel, and select **CRSF**.

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!

XR3 接收机说明书



规格参数

- 名称：XR3 ExpressLRS 单路双频接收机
- 类型：ISM2.4 或 FCC915
- MCU：ESP32C3
- 射频芯片：LR1121
- 射频连接器：IPEX-1 X 2
- 天线：2 x T 型天线（根据所选包装的不同，可能为 2.4GHz、900MHz 或双频天线）
- 频率范围：2.4GHz / Sub-G 900MHz [ISM 2.4GHz / FCC915 / EU868]
- 最大接收刷新率：DK500Hz / K1000Hz
- 最小接收刷新率：25Hz
- 工作电压：DC 5.0 - 12.6V
- 重量：1.3g（不含天线）
- 尺寸：22mm * 15mm * 4mm
- 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

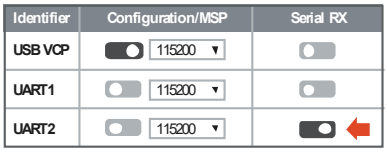
1 * XR3 ExpressLRS 单路双频接收机
2 * T型天线 (根据选购的版本对应配置 2.4GHz/900MHz/双频天线)
1 * CRSF 线材
3 * 热缩管
1 * 服务卡

固件下载

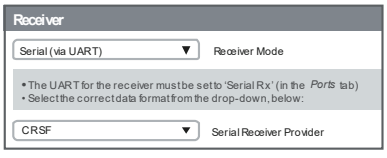
RadioMaster XR3 2.4/900 Diversity RX

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

设置



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