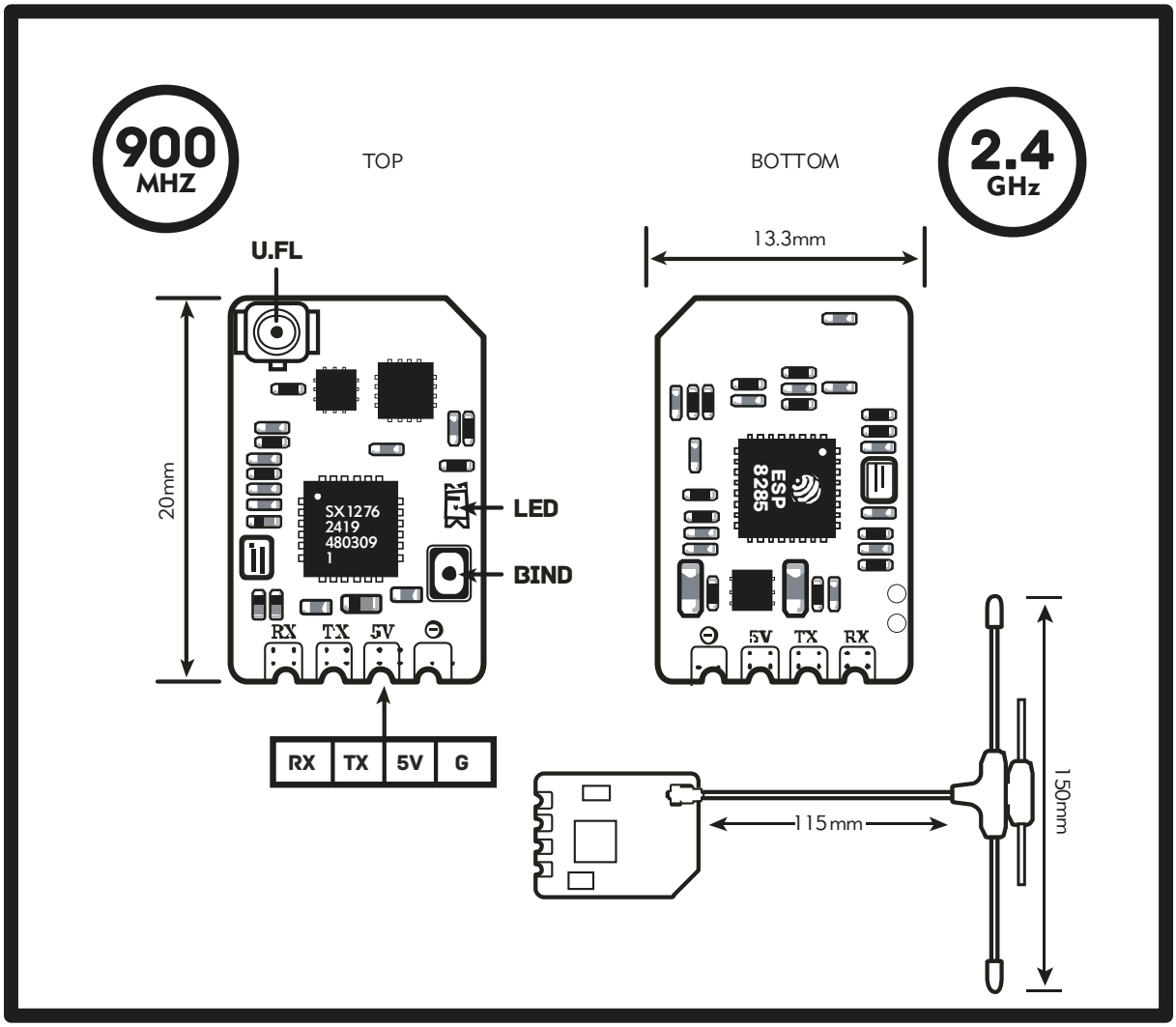
XR1 Receiver User Manual



SPECIFICATIONS

- Type: ISM2.4 or FCC915
- MCU: ESP32C3
- RF chip: Semtech LR1121
- RF connector: IPEX-1
- Antenna: 1x T-Antenna (Either 2.4GHz, 900Mhz or Dual-band depending on selected package)
- Frequency Range: 2.4GHz or Sub-G 900MHz
- Telemetry Power: 100mW
- Maximum Packet rate: DK500Hz / K1000Hz
- Minimum Packet refresh rate: 50Hz
- Working voltage: 5V
- Weight: 1.0g (without antenna)
- Dimension: 20mm * 13mm * 3mm
- Firmware Version: ExpressLRS v3.5.1 pre-installed
- Bus interface 1: CRSF
- Bus interface 2: UART

INCLUDES

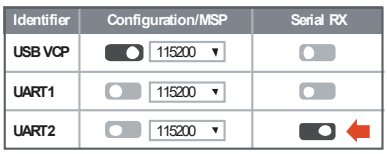
1 * XR1 Nano Multi-Frequency ExpressLRS Receiver
1 * T Antenna (Either 2.4GHz, 900Mhz or Dual-band depending on selected package)
1 * CRSF wire
3 * Heat-Shrinkable Tube
1 * Manual Card

DEFAULT FIRMWARE

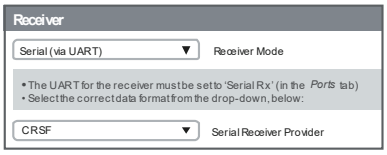
RadioMaster XR1 2.4/900 RX

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**.



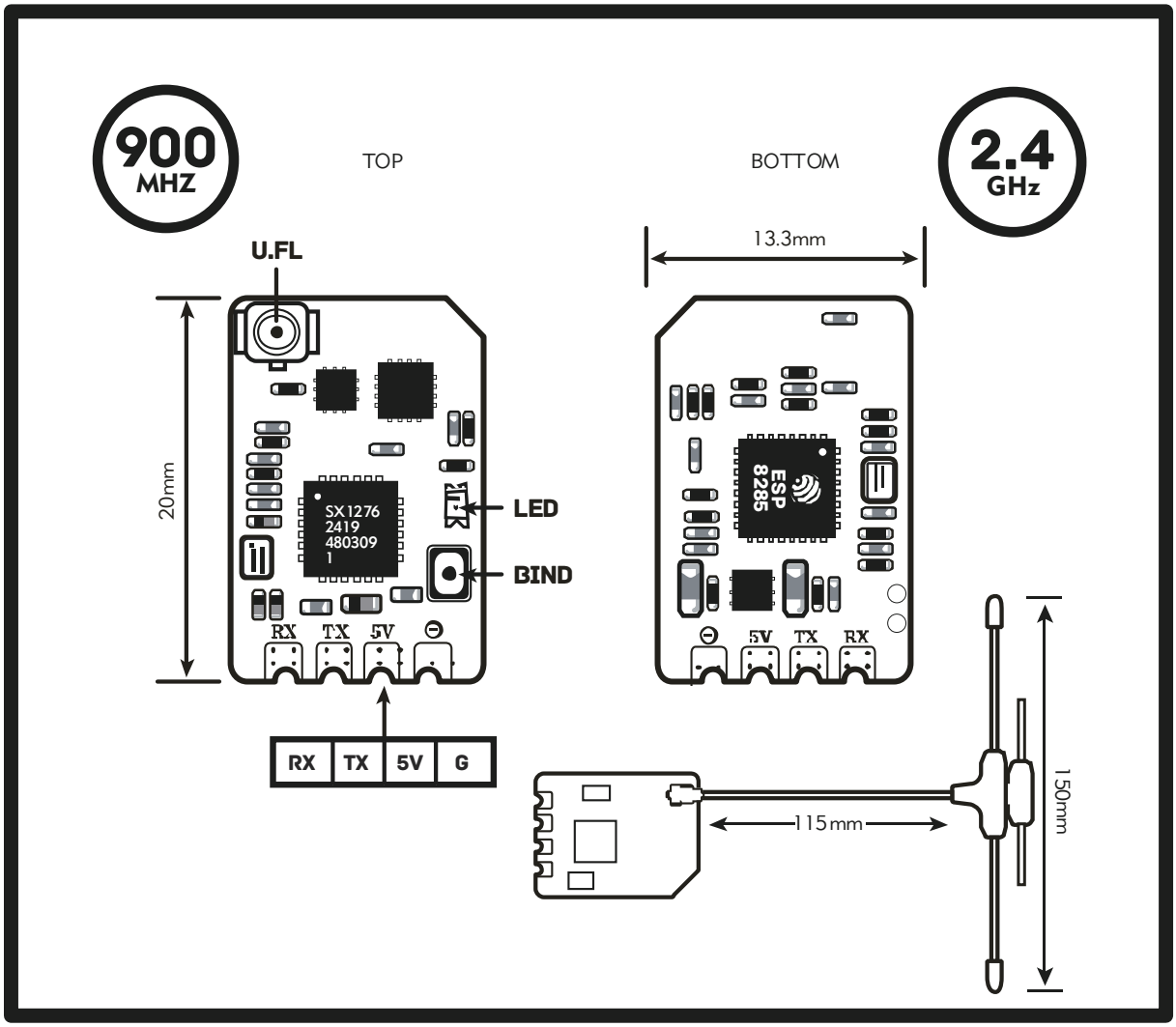
On the **Configuration** tab, click on **Serial-based receiver** on the **Receiver** panel, and select **CRSF**.

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!

XR1 接收机说明书



规格参数

- 频段类型：ISM2.4或FCC915
- MCU: ESP32C3
- 射频芯片：Semtech LR1121
- 射频连接器：IPEX-1
- 天线：1 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或Sub-G 900MHz
- 射频功率：100mW
- 最大数据包率：DK500Hz / K1000Hz
- 最小数据包刷新率：50Hz
- 工作电压：5V
- 重量：1.0g（不含天线）
- 尺寸：20mm * 13mm * 3mm
- 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

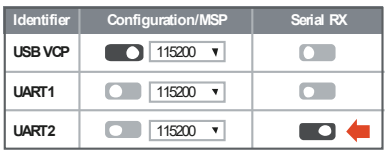
1 * XR1 Nano ExpressLRS 单路双频接收机
1 * CRSF 线材
3 * 热缩管
1 * T型天线 (根据选购的版本对应配置 2.4GHz/900MHz/双频天线)
1 * 服务卡

固件下载

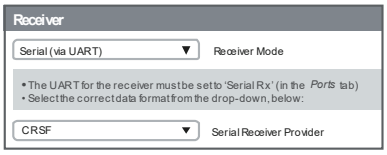
RadioMaster XR1 2.4/900 RX

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