

## Features

Twin Dual-band 1W transceivers

Experience unmatched reliability with dual-band ELRS Gemini Xrossband

ELRS Gemini 2.4GHz

ELRS Gemini 868/900MHz

Powerful Cooling System with dual 1-watt transceivers, the Nomad boasts serious power, complemented by an advanced cooling system to keep your module cool even on the hottest days.

## Specifications

Item: Nomad Dual Band Module with Micro Adapter

Regulatory Domain: ISM 2.4GHz, FCC915MHz

MCU: ESP32(main), ESP32c3(aux, as ESP backup)

RF chip: Semtech LR1121 x 2

RF: Dual 1000mW | Dual band Gemini ELRS

Frequency Range: 2400 MHz - 2479 MHz / 903MHz - 927MHz

Maximum packet rate: 500Hz (1000Hz coming soon in ExpressLRS V3.4)

Minimum receiver refresh rate: 50Hz

RF Output Power: 1000mW x 2

Module bay adapters: Micro standard 5pin socket & Nano standard 8pin socket

Wifi Support: Yes

Bluetooth support: Yes

Built-in RGB light strip

XT30 Power supply voltage: DC 6V - 16.8V

Weight: 87.20g (with antenna) / 71.10g (without antenna)

Dimension: 80\*45\*40mm (without antenna)

## How to bind

NOMAD module require ELRS V3.0.0 or later. Please ensure your receiver is using V3.0.0 or later first.

### Bind by Radio LUA

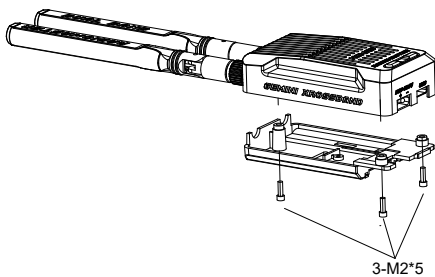
1: Enter radio ELRS LUA

2: Re-power 3 times your ELRS RX, make sure it on bind mode (LED double blink).

3: Press "Bind" on LUA menu.

Bind with Bindphrase

Learn more here <https://www.expresslrs.org/3.0/quick-start/binding/>



## Package Includes

1 \* Nomad Dual 1-watt Gemini Xrossband ExpressLRS Module

2 \* Dual band 2.4GHz / 915 MHz antennas

1 \* Nano Adapter

1 \* Manual card

1 \* Nomad Gemini Xrossband ExpressLRS 双1瓦高频头

2 \* 双频段2.4 GHz / 915MHz 天线

1 \* Nano 转接头

1 \* 服务卡

## 产品亮点

高效能双频段双路21W 高频头，保障信号稳定传输

体验 Gemini Xrossband，享受双频ELRS的顶级可靠性与稳定性。

支持2.4GHz频段的ELRS Gemini，满足高速传输需求

兼容868/915MHz频段的ELRS Gemini，实现远距离稳定通信

强劲冷却散热系统，双1W收发器助力Nomad展现强大性能，采用先进散热技术，即使在酷暑夏日也能保持模块冷却

## 技术参数

型号: Nomad Gemini Xrossband ExpressLRS 双1瓦高频头

无线电监管领域: ISM 2.4GHz, FCC915

主MCU: ESP32

辅助MCU: ESP32c3 ( backup)

射频芯片: Semtech LR1121 x 2

射频功率: (双1000mW) | 双频段Gemini ELRS)

频率范围: 2400 MHz - 2479 MHz / 903 MHz - 927 MHz

最大接收机刷新率: 500Hz (ExpressLRS V3.4 将很快支持1000Hz)

最小接收机刷新率: 50Hz

射频输出功率: 1000mW x 2

接口: Micro标准5针插座 & Nano标准8针插座

支持WiFi: 是

支持蓝牙: 是

内置RGB灯带

XT30电源电压: DC 6V - 16.8V

重量: 87.20g (含天线) / 71.10g (不含天线)

尺寸: 80\*45\*40mm (不含天线)

## 对码方式

NOMAD模块需要ELRS V3.0.0或更高版本。请确保您的接收器使用的是V3.0.0或更高版本。

通过遥控器LUA对码

1:输入无线电ELRS LUA

2:将ELRS RX重新上电3次，确保其处于对码模式(LED双闪烁)。

3:按LUA菜单上的“Bind”键。

使用Bindphrase绑定

在这里了解更多信息<https://www.expresslrs.org/3.0/quick-start/binding/>

