

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

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 - 2480 MHz / 903.5MHz - 926.9MHz/863.8MHz-868.9MHz

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/>

产品亮点

高效能双频段双路双1W 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

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 - 2480 MHz / 903.5MHz - 926.9MHz/863.8MHz-868.9MHz

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

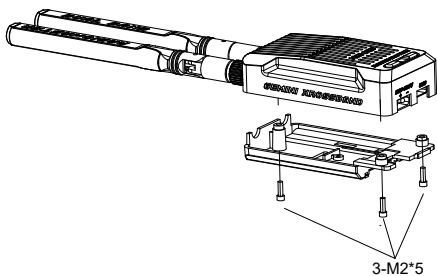
1:输入无线电ELRS LUA

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/>



Package Includes

1 * Nomad Dual 1-watt Gemini Xrossband ExpressLRS Module

2 * Dual band 2.4GHz / 915 MHz antennas

1 * Nano Adapter

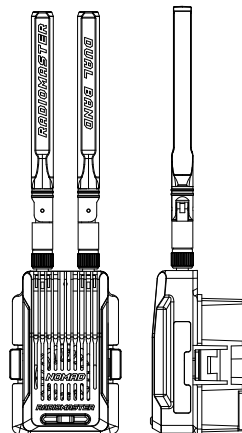
1 * Manual card

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



FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This product complies with the radio interference requirements of the European Community.

Product name: NOMAD

Product model: NOMAD

Applicant: Shenzhen Radiomaster Co.,Ltd

Address: 4F Yangtian Building, Xin'an Street, Bao'an District, Shenzhen,Guangdong, China

Operation Mode	:	BT BDR	BT EDR
Operation Frequency	:	2402~2480MHz	
Max. output Power	:	5.30dBm	

Operation Mode	:	2.4G-WIFI	
Operation Frequency	:	2412~2472MHz	
Max. output Power	:	15.95dBm	

Operation Mode	:	2.4G	
Operation Frequency	:	2402.4~2479.4MHz	
Max. output Power	:	18.81dBm	

Operation Frequency	:	863.8~868.9MHz	
Max. output Power	:	10.87dBm	

SIMPLIFIED EU DECLARATION OF CONFORMITY

The simplified EU declaration of conformity referred to in Article 10(9) shall be provided as follows:

Hereby, Shenzhen Radiomaster Co.,Ltd declares that radio equipment type NOMAD is in compliance with Directive 2014/53/EU.

This product can be used across EU member states.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

eVatmaster Consulting GmbH

Add (地址): Bettinastr. 30,60325 Frankfurt am Main,Germany

Zip Code (邮编): 60325

E-mail (邮箱): contact@evatmaster.com

Tel (联系电话): +496995179070