

Featuring F-1000Hz refresh rates and a high-efficiency cooling system, the Ranger Micro 2.4GHz ELRS Module represents the cutting edge in ELRS technology. Attach the module to a compatible radio (TX16S, TX16S MKII, TX12, TX12 MKII and more) to enjoy all that ELRS has to offer.

The included **T-shape** antenna is designed for maximum signal coverage. An optional **MOXON** antenna is available for directional applications.

***Note:** The Ranger Micro 2.4GHz ELRS Module fits JR style micro module bays, for Nano connectors, please consider the Ranger and the Ranger Nano modules.

FEATURES

- Built-in ExpressLRS Backpack
- High-efficiency cooling system
- Wifi and Bluetooth support
- Packet rates up to F-1000Hz
- T-antenna included
- Supports TX16S MKII and TX12 MKII radios

We wish to thank the ExpressLRS team for their support and testing during the development of the Ranger series. To learn more and support the ExpressLRS project visit: <https://www.expresslrs.org>

SPECIFICATIONS

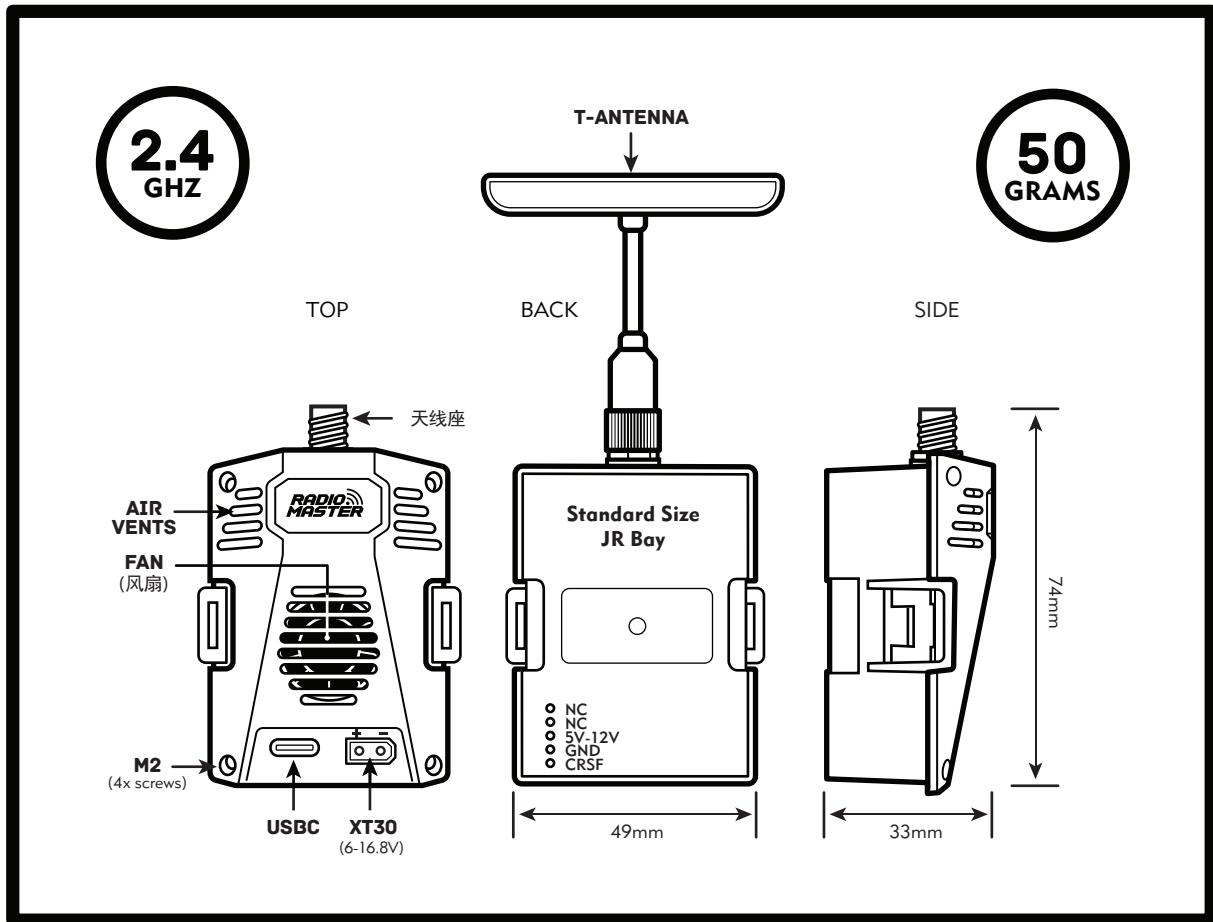
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|-------------------------------|--|
| • Regulatory Domain: | ISM2400 |
| • MCU: | ESP32 (main)
ESP8285 (aux, as ESP backpack) |
| • RF Chip: | SX1281IMLRT |
| • Frequency Range: | 2400 MHz - 2480 MHz |
| • Max. Packet Rate: | 500Hz / F-1000Hz
(F-1000Hz mode requires EgdeTX 2.7.1 or later) |
| • Min. Receiver Refresh Rate: | 25Hz |
| • RF Output Power: | Default 100mW |
| • Wifi Support: | Yes |
| • Bluetooth Support: | Yes |
| • XT30 Power Supply Voltage: | DC 6V - 16.8V |
| • Weight: | 50g (with antenna)
40.5g (w/o antenna) |
| • Dimension: | 136*49*33mm (with T-antenna)
74*49*33mm (without antenna) |
| • Control distance: | Max 2km |

INCLUDES

- 1x Ranger Micro Module
- 1x T-Antenna

DEFAULT FIRMWARE

RadioMaster Ranger Micro 2.4GHz TX



Ranger Micro采用F-1000刷新率和高效散热系统，RadioMaster Ranger Micro是ExpressLRS模块设计的前沿技术。高频头兼容TX16SMKII、TX12MKII、BOXER、GX12等遥控器，以便使用ELRS提供的所有功能。

本产品自带的是T型天线，如需定向天线可以选择购买MOXON搭配使用

*注意：Ranger Micro 2.4GHz ELRS是专用的JR接口，如只用Nano仓接口，请选用Ranger Nano

产品特点

- 内置ELRS系统
- 高效冷却系统
- 支持蓝牙WIFI
- 刷新率最高支持F-1000Hz
- T型天线
- 支持TX16SMKII、TX12MKII、BOXER、GX12

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技术参数

- | | |
|--------------|---|
| • 工作频段: | ISM2400 |
| • 芯片: | ESP32 (main) |
| | ESP8285 (aux, as ESP backpack) |
| • 射频芯片: | SX1281IMLTRT |
| • 频率范围: | 2400 MHz - 2480 MHz |
| • 支持最大刷新率: | 500Hz/F-1000Hz
(F-1000Hz模式需要EgdeTX 2.7.1或更高版本) |
| • 支持最小刷新率: | 25Hz |
| • 控制距离: | 最大2km |
| • 支持WIFI: | Yes |
| • 支持蓝牙: | Yes |
| • XT30 外部供电: | DC 6V - 16.8V |
| • 重量: | 50g (含天线)
40.5g (不含天线) |
| • 尺寸: | 136*49*33mm (含T型天线)
74*49*33mm (不含天线) |

包装清单

- 1x Ranger Micro 高频头
- 1x 2.4GHz T型天线
- 1x 说明书

DEFAULT FIRMWARE

RadioMaster Ranger Micro 2.4GHz TX