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Link do produktu: https://www.nobshop.pl/odbiornik-elrs-24g-radiomaster-rp4td-true-diversity-p-5177.html



Odbiornik ELRS 2.4G Radiomaster RP4TD True Diversity

Cena brutto	**134,99 zł**
Cena netto	**109,75 zł**
Dostępność	**Dostępny**
Czas wysyłki	**1 - 3 dni**
Kod producenta	**HP0157.RX-RP4TD**
Producent	**Radiomaster**

Opis produktu

Odbiornik ELRS 2.4G Radiomaster RP4TD True Diversity

Featuring dual-channel 2.4GHz radios, the RP4TD excels in signal sensitivity, signal-to-noise ratio, and overall performance due to its optimized circuit design. The reliable DCDC power supply circuit ensures lower operating temperatures during extended usage. Additionally, the dual TCXO contributes to the utmost frequency stability and makes the RP4TD a leader in its class. The RP4TD features built in WIFI so you can wirelessly upgrade firmware to configure the receiver via the built-in WebUI with your PC or mobile phone.

Suitable for almost any application, the receiver can be installed wherever a compact, high-performance serial link is required!

Features

- Gemini mode compatible
- Reliable DCDC Power supply circuit
- Class leading SNR and RSSI performance
- Optimized PCB design for better heat dissipation
- Upgraded antenna with greater durability and performance
- UART pads for extended applications
- Dual TCXO (temperature compensated crystal oscillator)
- 2x 100mw RF Telemetry power output
- Compatible with all 2.4GHz ExpressLRS modules and transmitters with built in 2.4GHz ExpressLRS

Specifications

- Item: RP4TD ExpressLRS 2.4GHz Diversity Receiver
- Type: ISM
- MCU: ESP32
- RF Chip: SX1281 x 2
- Antenna: 65mm 2.4GHz T Antenna x 2
- Frequency Range: 2.4GHz
- Maximum Refresh Rate: 500Hz / F1000Hz
- Telemetry RF Power: Max 2x 100mW
- Working Voltage: DC 4.5-12.0V
- Weight: 1.4g (without antenna)
- Dimension: 23.7*16.3*4.0mm
- Firmware Version: ExpressLRS V3.3.0 pre-installed
- FW Target: RadioMaster RP4TD 2400 RX
- Bus interface: CRSF

- Extend interface: UART

Dual TCXO (temperature compensated crystal oscillator)

The TCXO ensures high stability and accuracy in frequency control, compensating for temperature variations. This results in consistent and reliable signal reception, even in extreme temperature conditions. It also reduces frequency drift over time, providing long-term frequency stability and preventing signal degradation. In our testing, we found that two TCXOs offer better advantages in true diversity receivers.

Size

Download

- RP4TD Receiver User Manual

Package Includes

- 1 * RP4TD ExpressLRS 2.4GHz Diversity Receiver
- 1 * CRSF wire
- 3 * Heat-Shrinkable Tube
- 2 * 65mm 2.4GHz T Antenna (Installed on receiver)
- 1 * User Manual

RP4TD Receiver is installed with ExpressLRS as standard.

ExpressLRS is an open-source, high-performance radio control link that delivers exceptional range and low-latency communication using advanced LoRa technology. It's highly customizable and perfect for RC enthusiasts looking for reliability and efficiency.

Pair your ExpressLRS with Radiomaster's top-tier transmitters and receivers. Radiomaster products are designed to maximize the benefits of ExpressLRS, offering state-of-the-art performance for your RC adventures. Upgrade your RC experience with the unbeatable combination of ExpressLRS and Radiomaster—engineered for excellence and tailored for you.

Find out more about ExpressLRS here

RP4TD is now compatible with mLRS!

The mLRS project offers an open-source, high-performance radio system based on LoRa technology, operating at 2.4 GHz, 915/868 MHz, and 433 MHz/70 cm, designed to deliver a secure, reliable, and robust link under any conditions.
mLRS is designed with MAVLink and MSP optimization in mind, while also providing a transparent serial link, making it suitable for a wide range of applications. Its design ensures the strongest possible signal integrity while maintaining a relatively high data rate, balancing performance and reliability without compromise.