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Link do produktu: https://www.nobshop.pl/odbiornik-elrs-radiomaster-rp3-h-do-helikopterow-oraz-fc-nexus-p-5266.html



Odbiornik ELRS Radiomaster RP3-H do helikopterów oraz FC NEXUS

Cena brutto	**99,99 zł**
Cena netto	**81,29 zł**
Dostępność	**Dostępny**
Czas wysyłki	**1 - 3 dni**
Kod producenta	**HP0157.0088**
Producent	**Radiomaster**

Opis produktu

Odbiornik ELRS Radiomaster RP3-H do helikopterów oraz FC NEXUS

Designed specifically for use with our Nexus Control System and compatible with all CRSF/S.BUS enabled flight controllers the RP3-H ExpressLRS receiver comes with a built-in TCXO and an integrated housing design that makes the receiver tougher and ready to mount in modern helicopter frames. With the RP3-H receiver, you can get reliable, stable, and accurate signal reception, which enhances your flight experience and allows for superior performance even in demanding environments. The RP3-H also features an Ext-V telemetry input for compatibility with older ESCs that do not provide battery voltage telemetry via the control unit.

The RP3-H receiver uses the Skyworks SKY66112 power amplifier to increase telemetry performance, the PA provides up to 100mw of telemetry power, and antenna switching for antenna diversity. It is developed around the ESP8285 MCU and SX1281IMLTRT RF Chip, offering Lora and FLRC 2.4GHz RF links that provide incredible range and low latency. With Wifi built-in, firmware updates can be done on your craft without the need to remove the receiver.

Features

- Perfect for helicopters and any application that needs a rugged cased serial receiver
- Plug'n'play solder free RP3-H ExpressLRS receivers compatible with NEXUS Heli flight controller
- Optimized PCB design for better heat dissipation
- LNA for better receiver range
- PA for better telemetry range
- Antenna Diversity for improved signal stability and range
- Built-in a TCXO (temperature compensated crystal oscillator)
- Automatically detects voltage telemetry of external battery voltage or receiver battery/ESC BEC voltage
- Compatible with all 2.4GHz ExpressLRS modules and transmitters with built in 2.4GHz ExpressLRS

Specifications

- Item: RP3-H ExpressLRS 2.4GHz Nano Receiver
- Type: ISM
- MCU: ESP8285
- RF Chip: SX1281
- Telemetry RF power: Max 100mW
- Antenna: 150mm 2.4GHz Antenna x2
- Frequency Range: 2.404 - 2.479 GHz
- Maximum receive refresh rate: 500Hz / F1000Hz
- Minimum receiver refresh rate: 25Hz
- Working voltage: DC 4.5 - 8.4V
- Battery voltage detection range: DC 4.0 - 35V
- Weight: 5.1g (Including two antenna)

- Dimension: 28mm*24mm*8mm
- Firmware Version: ExpressLRS v3.3.1 pre-installed
- FW Target: RadioMaster RP3-H Diversity 2400 RX
- Bus interface: CRSF/S.Bus

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. Click here to learn more about the TCXO.

A special thanks to the Rotorflight development team who without their hardwork and dedication this project would not have been possible. Learn more about Rotorflight HERE.

Dimensions

Download

- RP3-H Receiver User Manual

Package Includes

- 1 * RP3-H ExpressLRS 2.4GHz Nano Receiver
- 2 * 150mm IPX1 2.4GHz T Antenna (installed)
- 1 * JST-GH CRSF 4 wire Pigtail
- 1 * JST-GH 4 wire to JST-GH CRSF cable
- 1 * JST-GH 4 wire to single Servo pin (single dupont connectors)
- 1 * Voltage telemetry wire
- 1 * Quick start guide

RP3-H 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.