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Aparatura Radiomaster AX12 ELRS Android Mavlink

Cena brutto	1 259,99 zł
Cena netto	1 024,38 zł
Dostępność	Dostępny
Czas wysyłki	1 - 3 dni
Kod producenta	HP01570109
Producent	Radiomaster

Opis produktu

Aparatura Radiomaster AX12 ELRS Android Mavlink

RadioMaster przedstawia aparaturę **AX12** - połączenie kontrolera z systemem Android. Oferuje wbudowany moduł ELRS, wyjście HDMI, dużą moc obliczeniową oraz pełną obsługę kompatybilnych aplikacji.

AX12 to doskonałe urządzenie dla wszystkich osób, które chcą połączyć znajomość systemu Android z legendarną jakością i wydajnością marki RadioMaster.

Radio przeznaczona dla zaawansowanych użytkowników, do obsługi wymagana jest znajomość obsługi systemu Android oraz konfiguracji odbiorników ELRS

RadioMasterOS to pierwszy system operacyjny RadioMaster oparty na Androidzie, stworzony specjalnie z myślą o sterowaniu radiowym. To nie jest tylko Android "nałożony" na aparaturę - to dedykowany system sterowania radiowego, wzbogacony o otwartą platformę Android.

5,5-calowy ekran dotykowy HD IPS (1280 x 720) oferuje wyraźny obraz oraz jasność 1000 nitów, co zapewnia doskonałą widoczność nawet w bezpośrednim świetle słonecznym. Z kolei 8-rdzeniowy procesor i 4 GB pamięci RAM gwarantują płynną pracę podczas sterowania, podglądu telemetry oraz korzystania z kompatybilnych aplikacji.

Specyfikacja:

- Produkt: Aparatura AX12
- Pobór prądu: 1.10A (przy maksymalnej mocy nadawania)
- Częstotliwość: 2.400GHz lub Sub-G 900MHz
- Wewnętrzny moduł radiowy: ExpressLRS 2.4GHz / Sub-G 900MHz
- Obsługiwany protokół: ExpressLRS
- Kanały: Do 16 (w zależności od odbiornika)
- Wyświetlacz: 5.5" ekran dotykowy HD (1280x720) / jasność 1,000 nitów
- Oprogramowanie: RadioMasterOS (Android 9.0, bez możliwości aktualizacji)
- Ładowanie: przez USB (wymagany zasilacz zgodny z standardem szybkiego ładowania USB PD)
- Gimbałe: wysokiej precyzji X5 z efektem Halla
- Dźwiczki: Wyjmowalne (możliwość przechowywania w aparaturze)
- Pamięć wewnętrzna: wbudowana pamięć flash 64GB
- Moduł zewnętrzny: rozmiar nano
- Bateria: Wbudowane dwa ogniwa litowe 3.7V 21700 o łącznej pojemności ok. 10,000mAh
- Aktualizacja oprogramowania: Automatyczna przez Wi-Fi
- Wymiary: 171 x 168 x 73 mm
- Waga: 640g

Opis producenta

Features

- RadioMasterOS (Android 9.0): Google Play certified with full APK sideloading support. Install compatible ground station, configuration, and utility apps directly on the radio.
- 5.5-inch High-Brightness HD IPS Touchscreen: 1280 × 720 resolution with 1000 nits brightness for clear outdoor visibility, combined with a responsive touchscreen interface for fast and intuitive control.
- X5 Hall-Effect Gimbals: Contactless Hall sensors for precise, stable control with onboard stick storage.
- Octa-Core Processor: 8-core CPU with 4 GB RAM and 64 GB storage, optimized for radio configuration, telemetry display, supported Android apps, and multitasking.
- HDMI Input for Digital Video Systems: View video from compatible digital video systems directly on the AX12 screen.
- HDMI Output: Mirror or extend the display to a TV or projector for teaching, review, or team use.
- Built-in ExpressLRS (Single LR1121 Module): Supports 2.4 GHz or Sub-G 900 MHz operation with low latency, strong link performance, and Wi-Fi OTA firmware updates.
- MAVLink Passthrough (Wi-Fi): Enables compatible apps, such as QGroundControl and Betaflight Configurator, to be used directly on the radio for supported workflows.
- 16-Channel ExpressLRS Control: Full 16-channel operation with flexible channel routing.
- Advanced Mixing & Custom Curves: Arbitrary channel mapping, adjustable weights and offsets, Expo curves, function curves, and precise 12-point custom curves.
- Dual Rates & Channel Locking: Freely adjustable dual rates and channel locking.
- Model Templates & Management: Preset and user-defined model templates, complete model import/export, and support for custom model images.
- Voice Prompts & Feedback: Customizable voice prompts with text-to-speech, custom MP3 files, and condition-based announcements.
- Tools Lua Script Support: Run community and custom Lua scripts via the Tools menu for advanced telemetry processing and workflow customization.
- Control Layout: 4 × 3-position switches, 2 × 2-position latching shoulder buttons, 2 × analog scroll wheels, and a programmable 6-position button. All switches and analog controls are mappable in software.
- Nano External Module Bay: Nano-size external module support for compatible ExpressLRS modules.
- Audio Output: Built-in speaker, 3.5 mm headphone jack.
- Dual 21700 Battery System: Approximately 10,000 mAh total capacity for extended operating time.
- Connectivity & I/O: Wi-Fi, Bluetooth, USB-C charging/data.
- Open App Ecosystem: Install compatible Android apps via Google Play or APK sideloading.

The AX12 combines RadioMaster's proven radio control system with RadioMasterOS, an Android-based platform that simplifies setup, configuration, and field operation—without compromising reliable control.

RadioMasterOS is RadioMaster's first Android-powered operating system, built specifically for radio control. It provides an intuitive model setup and adds touchscreen access to compatible Android apps for configuration, telemetry, and mission planning. This is not Android layered on top of a radio—it is a dedicated radio control system enhanced by an open Android foundation.

An octa-core processor, 4 GB of RAM, and 64 GB of storage deliver smooth performance for control tasks, telemetry viewing, supported ground station apps, and utilities. The 5.5-inch HD IPS touchscreen (1280 × 720) delivers sharp visuals and 1000 nits brightness for excellent visibility even in direct sunlight. The responsive touchscreen interface makes navigating menus and adjusting settings quick and intuitive in the field.

At its core, the AX12 remains a full-featured RadioMaster transmitter. It supports full 16-channel ExpressLRS control with advanced mixing, arbitrary channel mapping, custom curves (including 12-point custom curves), adjustable dual rates, and channel locking. Preset and user-defined model templates, full model import/export, custom model images, configurable voice prompts, and support for Tools Lua scripts provide deep flexibility for advanced setups.

The built-in ExpressLRS LR 1121 module supports 2.4GHz or Sub-G 900MHz operation with low latency and strong link performance, and supports Wi-Fi OTA firmware updates for the internal RF module. MAVLink passthrough enables compatible apps, such as QGroundControl and Betaflight Configurator, to be used directly on the radio for supported workflows.

HDMI input supports video from compatible digital video systems on the AX 12 display, while HDMI output mirrors the screen to an external monitor or projector for teaching, review, or team use. Using the DJI Fly app and a simple USB-C OTG connection, the AX12 can display the live video feed from DJI goggles directly on its built-in HD screen. This enables passengers, spotters, or instructors to view the flight in real time while the pilot continues flying with goggles. The mirrored display can also serve as a handy backup screen for safety or for recording or live-streaming the flight feed.

Specifications

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- Item: AX12 Remote Controller
 - Working Current: 1.10A (at max output power)
 - Frequency: 2.400GHz OR Sub-G 900MHz
 - Internal RF: ExpressLRS 2.4GHz / Sub-G 900MHz
 - Supported Protocols: Express-LRS
 - Channels: Up to 16 (depending on receiver)
 - Display: 5.5" HD Touchscreen (1280×720) / 1,000 nits brightness
 - Device Firmware: Android 9.0 (can not be updated)
 - Radio Firmware: RadioMaster OS
 - Charging: USB Power Delivery (PD) compatible power supply is required for charging
 - Gimbals: High-precision X5 hall effect gimbal
 - Gimbal Sticks: Removable and Storable
 - Internal Storage: Integrated 64GB of onboard flash memory
 - External Module Support: Nano module bay
 - Battery: Dual 3.7V 21700 lithium batteries (built-in)
 - Firmware Upgrade: Online automatic updates via Wi-Fi
 - Dimensions: 171*168*73mm
 - Weight: 640g