

RXD2

Professional Receiver Long Range 100Km RC & Telemetry
866-960Mhz / 500mW / -110dBm



A Good Choice!

NEW CONCEPT

Configuration of the mixes, button activation and assignment of encoders are performed in the RX and not in the TX (XPAD2-2017) as is usual in amateur RC systems.

Professional Receiver Radio Control.
For FPV and UAV.

Manufactured with the latest technology of radio system 5th generation of DMD, that provides great radio link security for long distances.

Features

New concept in the controls.
16 CH RC.
8 Multifunction outputs for RC servos.
1 SPPM / CPPM: 12 RC channels in CH7.
1 Micro USB: Update and configuration.
1 i2C: To connect future devices, Oled display, sensors.
1 RCBUS: XOSD serial communication.
1 MODEM port: MAVLINK Telemetry.
Connector antenna: SMA F.

MAVLINK protocol, compatible with autopilots:
APM, Pixhawk, PX4, etc.
No additional radiomodem is required.

It can be used in different RC models:
UAV, DRONES, VANT, RPAS, UUV, UGV, ROV,
MULTIROTORS, CARS, HELICOPTERS, BOATS, etc.

Dimensions

Length: 70,60mm.
Width: 35,70mm.
Height: 16,20mm.
Weight: 24g.

Specifications

Range RC & Telemetry: 25, 50 or 100Km
Frequencies: 866-960Mhz
Multi Band ISM: 866, 868, 903, 915, 960Mhz
Potency: 100 or 500mW
Sensitivity: -99, -108 or -110dBm
Modulation: 50 or 100Kb. FHSS
Encryption: AES.

Voltage: 5V. Min 4.5V. Max 6Vcc.
Consumption: Standby 70mA.
Max. TX(500mW) 540mA@12mS.

Connectivity: RC, Telemetry, USB, RCBUS,
SPPM, COM5, MODEM.

Licenses: Range: 25, 50 or 100Km
Mavlink
Encrypt AES

Upgradable and Configurable: DMDStudio Soft.
Compatible: ALPHA Commands and DMD devices.

Transmitters: XPAD2-2017, XPAD3.
OSD's: XOSD, XOSDL.

**Some product features are optional*

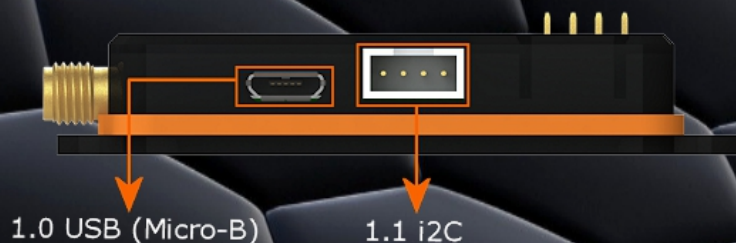
Manufactured by DMD. Digital Micro Devices. ©2017



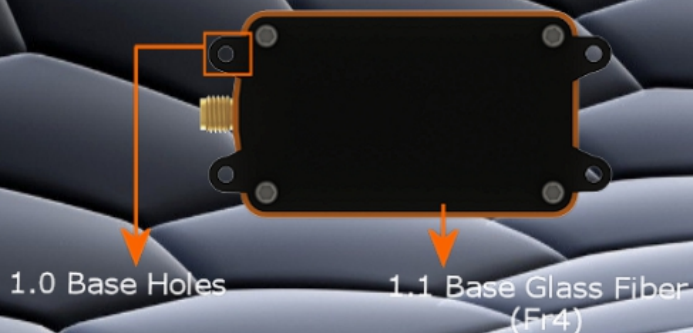
www.xlrs.eu



- 1.0- Channels RC: 8 Multifunction outputs for RC servos.
- 1.1- Output SPPM / CPPM: 12 RC Channels in CH7.
- 1.2- RCBUS: Serial communication XOSD or others XLRS devices.
- 1.3- MODEM port: MAVLINK Telemetry.
- 1.4- Led: Link RF or Received packets.
- 1.5- Connector Antenna: SMA-Female for RC (866-960Mhz).
- 1.6- Led: TX RF or Transmit packets .



- 1.0- USB (Micro-B): Update and configuration RX.
- 1.1- i2C: To connect future devices, OLED displays, IMU, etc.



- 1.0- Base Holes: 4 Holes of 2.5mm.
- 1.1- Base Glass Fiber Fr4 of 1.6mm, to screw the RX on the model.