M2R

TECHNICAL DATA

Digital IEM Receiver

- **IEM (Wireless Monitor) receiver with digital RF**
- **IR (infrared) port for fast setup**
- **High resolution, color LCD**
- **Stereo or mono operation**
- **Low latency of 1.4 ms with analog inputs**

M2R Digital IEM Receiver

The M2R Digital IEM Receiver is a compact, rugged body-worn unit providing studio-grade sound quality for performers or any professionals needing to monitor detailed audio wirelessly. The M2R employs advanced antenna diversity switching during digital packet headers for seamless audio. The receiver covers UHF frequencies from 470.100 to 607.950 MHz and uses digital modulation.

The headphone jack is fed from a high-quality stereo amplifier with 250 mW available to drive even inefficient headphones or earphones to sufficient levels for stage performance or other noisy environments. The receiver can select from stereo, mono from left or right channels only, or mono from both channels, giving the unit flexibility in terms of application as an IEM or IFB receiver. An intuitive interface and high resolution, color LCD on the unit provide performing artists and audio professionals alike with a comfortable and confident user experience.

This data is for all 2.X versions of Duet Firmware.

LECTROSONICS®
Rio Rancho, NM, USA
www.lectrosonics.com

The M2R also employs 2-way IR sync, so can data from the receiver can be sent to a transmitter and thus onto Wireless Designer™ Software, via USB or Ethernet. This way, frequency planning and coordination can be done quickly and confidently with on-site RF information.

M2R Summary

The M2R operates in the UHF frequencies of 470-608 MHz in a single range, using digital modulation for transmission.

Housings and panels are made of machined aluminum with ***ebENi*** finishes (black electroless nickel plating) with laser etched marking for durability, yet they are lightweight and sleek in order to be comfortable on the artist's body. The M2R features a user-friendly interface with a high-resolution, backlit, color LCD and membrane switches. The M2R runs for 7 hours on two lithium AA batteries.

Specifications

Operating Spectrum:	**470.100 - 607.950 MHz**
Modulation Type:	**8PSK with Forward Error CorrectionOccupied**
Latency: (overall system)	
Digital Source:	**1.0 ms plus Dante network**
Analog Source:	**<1.4 ms**
Audio Performance:	
Frequency Response:	**10 Hz - 12 KHz, +0, -3dB**
THD+N:	**0.15% (1kHz @ -10 dBFS)**
Dynamic Range:	**>95 dB weighted**
Adjacent Channel Isolation	**>85dB**
Diversity Type:	**Switched antenna phase, during packet headers**
Audio Output:	**3.5 mm stereo jack**
Power requirements:	**2 x AA batteries (3.0V)**
Battery life:	**7 hours; (2) Lithium AA**
Power consumption:	**1 W**
Dimensions:	**Height: 3.0 in. / 120 mm. (with knob)** **Width: 2.375 in. / 60.325 mm.** **Depth: .625 in. / 15.875 mm.**
Weight:	**9.14 ounces / 259 grams (with batteries)**

Specifications subject to change without notice.

LECTROSONICS®
581 Laser Road NE • Rio Rancho, NM 87124 USA • www.lectrosonics.com
(505) 892-4501 • (800) 821-1121 • fax (505) 892-6243 • sales@lectrosonics.com

15 May 2019