M2R

Digital IEM/IFB Receiver

TECHNICAL DATA

- **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**
- **Compatible with Lectrosonics IFB transmitters in IFB mode**

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 uses digital modulation and covers UHF frequencies from 470.100 to 614.375 MHz.

NOTE: Some regions have certain frequency restrictions. Depending on **LOCALE** selection, the SmartTune and Scan frequency ranges are:

NA: 470.100 - 614.375 MHz
EU: 470.100 - 614.375 MHz
AU: 520.000 - 614.375 MHz
JA: 470.100 - 614.375 MHz

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.

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Rio Rancho, NM, USA
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The M2R 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.

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.

WARNING: Moisture, including talent's sweat, will damage the receiver. Wrap the M2R in a plastic baggie, our silicone cover (order part # M2RCVR) or other protection to avoid damage.

Specifications

Operating Spectrum (dependent on Locale):	**NA: 470.100 - 614.375 MHz** **EU: 470.100 - 614.375 MHz** **AU: 520.000 - 614.375 MHz** **JA: 470.100 - 614.375 MHz**
Modulation Type:	**8PSK with Forward Error Correction**
Latency: (overall system)	
Digital Source:	**1.6 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: 3.66 in. / 93 mm. (with knob)** **Width: 2.48 in. / 63 mm.** **Depth: .75 in. / 19 mm. (without belt clip)**
Weight:	**9.14 ounces / 259 grams (with batteries)**

Specifications subject to change without notice.

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