

M-216

Wireless Microphone Transmitter

- *High Fidelity Performance*
- *Adaptive Channel Selection*
- *Low Power Consumption*
- *Dual Function Versatility*
- *New Rugged Case*



The M-216 wireless microphone transmitter offers the ultimate performance and versatility for assistive listening, language interpretation, tour guide presentations, IFB and personal cueing, and for other personal remote communication situations.

The M-216 transmitter incorporates the latest digital and analog technologies to produce low residual noise, wide dynamic range, and extended frequency response rendering the most natural sound possible from a wireless microphone.

The transmitter's microcontroller automatically sets the modulation deviation, companding or non-companding audio processing, and the EQ when the corresponding channels are selected. Because of this comprehensive feature, this versatile transmitter can transmit on 19 high fidelity channels and 38 standard channels insuring compatibility with receivers conforming with Part 95 of the F.C.C. Low Power Radio Service (LPRS) regulations.

COMTEK®

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M-216 Technical Specifications



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Audio Input:	Microphone input impedance for electret type microphone 3 k ohm Aux/Line input impedance 10 k ohm at 0 dB nominal
Connectors:	Microphone - Micro-mini mono 2.5 mm Auxiliary - Mini Stereo 3.5 mm Audio: Tip and sleeve Battery Charging: Tip and sleeve
Controls and Indicators:	Synthesized channel selection switches Power On/Off switch Optional microphone muting switch Audio input gain control Power/Battery status indicator
Frequency Response:	80 Hz to 10 kHz
Audio Distortion:	Less than 1% at 80% modulation
Modulation Limiter:	Soft compressor with 30 dB linear overload protection Attack time = less than 1 ms Recovery time = 10 ms
Modulation:	5 kHz deviation Ch. 1-40 (non-companded) 10 kHz deviation Ch. 41-60 (companded)
Operating Radio Frequency:	57 synthesized channels in the 216-217 MHz LPRS band
Out of Band Emissions:	Better than 45 dB below carrier
R.F. Stability:	20 ppm XTL controlled Digitally synthesized
R.F. Power Output:	10 mW to the antenna system
Current Drain:	13 mA constant current
Weight:	4 ounces (110 grams)



Actual Size



Antenna System:	Body worn microphone cord or loaded whip plugged directly into microphone connector when auxiliary input is used
Battery:	9 V alkaline, Eveready 522 or equivalent, for up to 40 hours of operation. 9 V Nickel-Metal Hydride rechargeable battery for up to 12 hours of operation
Dimensions:	1 1/16" x 2 1/4" x 3 1/4" (27 mm x 57 mm x 83 mm)
FCC Compliance:	Certification under Part 95

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