M-216 Personal Transmitter

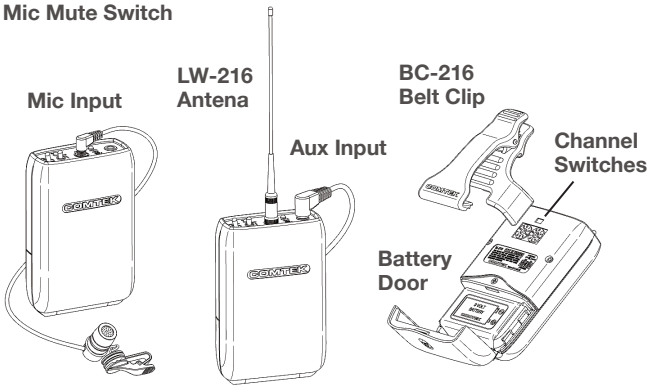
216 MHz

Remote Program Monitoring • Personal Cueing • Wireless Tour Guide • Assistive Listening

- *High Fidelity Performance*
- *Adaptive Channel Selection*
- *Dual Function Versatility*

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. The transmitter's microcontroller automatically sets the modulation for companding or non-companding audio processing when the corresponding channels are selected. The channel selection also sets either narrow-band operation on channels 1-40 (5 kHz deviation) or high-fidelity, wide-band operation on channels 41-60 (10 kHz deviation). The optional microphone mute switch turns off the microphone without turning off the aux input.

Option 1
Mic Mute Switch



Technical Specifications:

Audio Input:
- Microphone input impedance for electret type microphone - 3k Ω
- Aux/Line input impedance - 10k Ω at 0 dB nominal

Connectors:
- Microphone - Micro-mini 2.5 mm mono (locking or non-locking)
- Auxiliary - Mini 3.5 mm Stereo
- Audio - Tip and Sleeve
- Battery Charging - Tip and Sleeve
- External 9V power - Ring and Sleeve

Controls and Indicators:
- Synthesized channel selection switches
- Power On/Off switch
- Microphone mute switch **(Optional)**
- Audio input gain control
- Modulation voice level indicator

Antenna System: Body-worn microphone cord or whip antenna plugged directly into microphone connector when auxiliary input is used

Frequency Response: 80 Hz to 10 kHz

Modulation:
- 5 kHz deviation Ch. 1-40 (non-companded)
- 10 kHz deviation Ch. 41-60 (companded)

R.F. Power Output: 10 mW to the antenna system

Out-of-Band Emissions: Better than 45 dB below carrier

Current Drain: 17 mA constant current

Weight: 4 ounces (110 grams)

Battery:
- 9 V alkaline for up to 35 hours of operation
- 9 V NIckel-Metal Hydride rechargeable to up to 15 hours of operation

Dimensions: 1 1/6" x 2 1/2" x 3 1/4" (27 mm x 57 mm x 83 mm)

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