

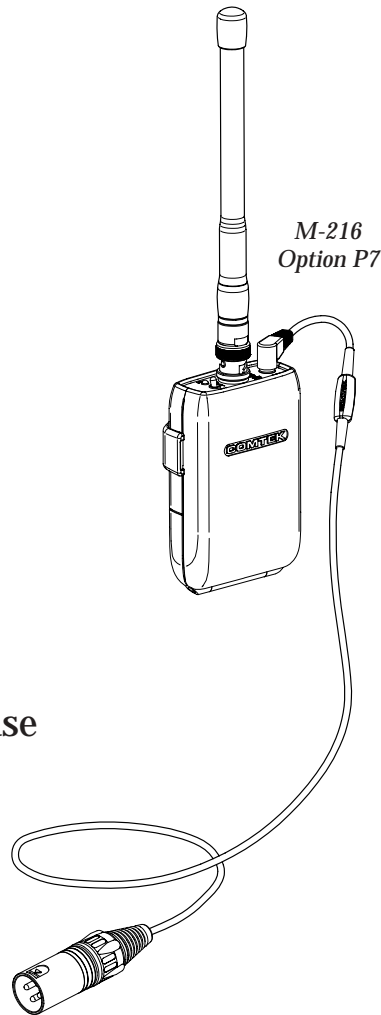
Wireless Microphone Transmitter

- High Fidelity Performance
- Adaptive Channel Selection
- Low Power Consumption
- Versatile / Easy to Use
- New Convenient Rugged Case

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

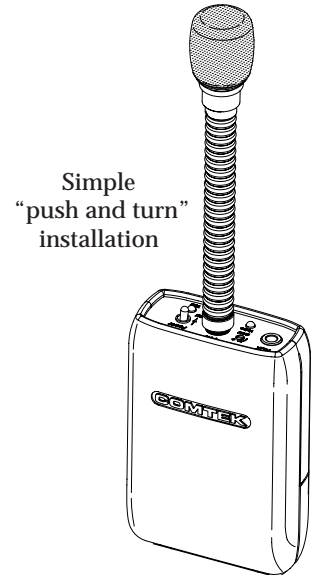
The M-216 incorporates the latest digital and analog technologies to produce low residual noise, wide dynamic range, and extended frequency response rendering the most natural sound possible from a wireless microphone.

The transmitter's microcontroller automatically sets the modulation deviation, companding or non-companding audio processing, and the EQ when corresponding channels are selected. Because of this comprehensive feature, this versatile transmitter can transmit on 19 high fidelity channels and 38 standard channels ensuring compatibility with receivers conforming to regulations regarding Low Power Radio Service (LRPS) transmissions in the 216-217 MHz band under Part 95 of the FCC regulations.



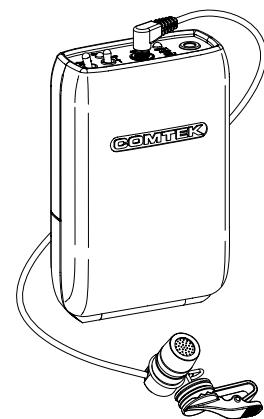
*M-216
Option P7*

*HH-185
Microphone boom*



Simple
"push and turn"
installation

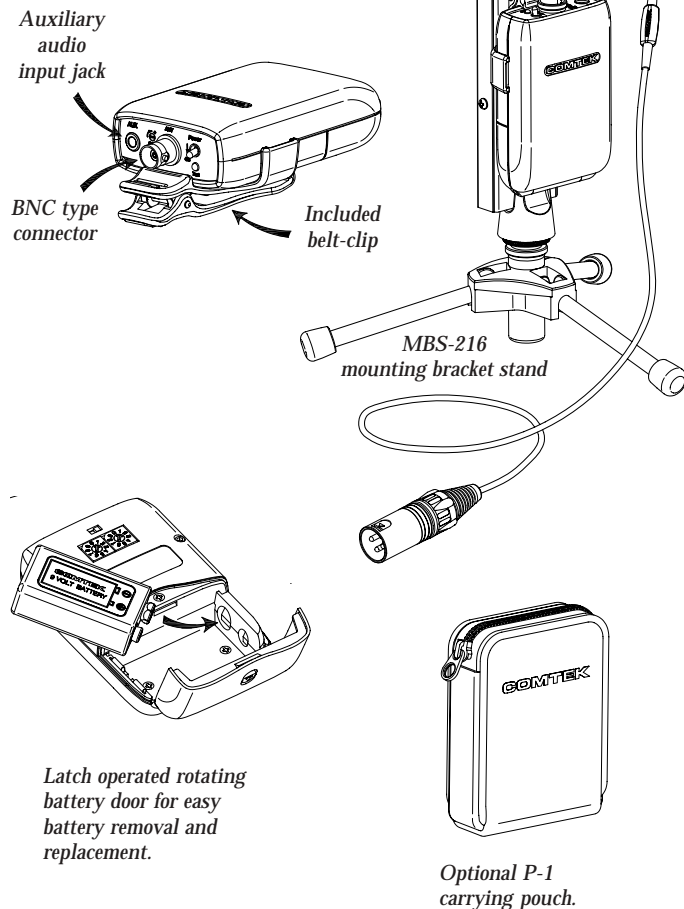
*Standard
M-216*



COMTEK®

M-216 Option P7 Wireless Microphone Transmitter

The Option P7 transmitter with a rugged, short whip antenna (6") offers increased range and is ideal for location sound applications for director and crew audio feed. Use with the PR-216 headphone receiver for a reliable way to provide a great sounding confidence audio channel. Built with performance in mind, the M-216 Option P7 provides the quality and dependability required by top sound mixers!



Latch operated rotating battery door for easy battery removal and replacement.

Optional P-1 carrying pouch.

M-216 SPECIFICATIONS

Audio Input:

- Microphone input impedance for electret type microphone - 3000 ohm
- Aux/Line input impedance - 10 k ohm at 0 dB nominal

Connectors:

Microphone - Micro-mini mono 2.5mm

Auxiliary - Mini stereo 3.5mm

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
- Audio (voice level) modulation indicator
- Companded auto/off switch

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 under FCC part 95

Out-of-Band Emissions:

Better than 45 dB below carrier

R.F. Stability:

20 ppm XTL controlled digitally synthesized

RF Power Output:

10 mW to antenna system

Antenna System:

Body-worn microphone cord or loaded whip plugged directly into microphone connector when auxiliary input is used

Current Drain:

13 mA constant current

Battery:

- 9 volt alkaline Eveready 522 or equivalent for up to 40 hours of operation
- 9 volt Nickel-Metal Hydride rechargeable battery for up to 12 hours of operation

Dimensions:

1 1/16" x 2 1/4" x 3 1/2"
(27 mm x 57 mm x 89 mm)

Weight:

5 ounces (140 grams)

FCC Compliance:

Certification under Part 95

Printed in U.S.A. 1004M216

For more information on the M-216 Wireless Microphone Transmitter or COMTEK's comprehensive line of high quality wireless sound products, give us a call. Our applications engineers will be happy to assist you!

COMTEK®

First Quality in Wireless Sound

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