

# PR-216

(216 MHz)

## *Personal Headset Receiver*

- *Extended Frequency Response*  
(Option LX Extended Low Frequency)
- *Automatic Audio Processing*
- *High Audio Output Power*
- *Multi Channel Compatible*
- *Rugged and Durable Design*



The PR-216 is our highest fidelity, professional quality personal monitor receiver designed to work with the M-216, M-216 Option P7, and BST-25/216 transmitters. This versatile receiver tunes COMTEK's high fidelity companded channels as well as standard non-companded narrow-band channels offering compatibility with other manufacturers' receivers.

It is ideal for a variety of speciality applications: remote program monitoring, assistive listening, personal cueing, language interpretation, tour guide monitoring, live sound in-ear monitoring, and other personal monitoring applications.

The PR-216 is digitally synthesized and frequency agile allowing easy simultaneous multi-channel operation even in crowded RF environments. The channel that the receiver is tuned to automatically sets standard narrow-band operation on channels 1-40 (5 kHz deviation) or high-fidelity, wide-band companded operation on channels 41-60 (10 kHz deviation).

This receiver is user-friendly, compact, and extremely rugged. Plus, the use of high efficiency, low power consumption microcircuits and advanced digital and analog technologies ensures superior audio performance and outstanding reliability.

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*First Quality In Wireless Sound*

# PR-216 Technical Specifications

Printed in U.S.A. 0506PR216

Audio Output: Headset output +16 dBu (low impedance)

Connector: Stereo/mono 3.5 mm audio output connector

Indicators: LED Power/Battery Indicator/Signal Presence  
Audible Low-battery Beep

Controls:

- Power On/Off switch
- Volume control (50 dB range)
- 99-position rotary channel selector switches

Audio Frequency Response:

- 80 Hz to 12 kHz standard
- 20 Hz to 12 kHz Option LX

Harmonic Distortion: Less than 1% (80% modulation)

Operating Radio Frequency: 216-217 MHz frequency synthesized

Frequency Stability: 0.002% frequency synthesized  
crystal controlled

RF Sensitivity: 0.3 uV for 12 dB SINAD

Adjacent Channel Rejection: 65 dB 50 KHz off-channel

Spurious Rejection: 60 dB (image excluded)

Ultimate Quieting: Better than 95 dB (Ch. 41-60)

Deviation Acceptance: Up to 10 kHz

Current Drain: 15 mA nominal

Power Requirements: 9 volt alkaline or Ni-MH rechargeable battery

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

FCC Compliance: Complies with Part 15 of FCC rules



## PR-216 Option 7

The unique PR-216 Option P7 high fidelity receiver is perfect for use as a "piggyback" receiver on powered speakers for remote speaker linkups and for field "point-to-point" RF links. This option makes it easy to achieve convenient speaker placement and on-location remote audio feeds without the need to run speaker cable. The MBS-216 Mounting Bracket Stand and VMB-216 Velcro Mounting Bracket can also be used for optimal receiver placement.

The PR-216 Option P7 receiver includes a BNC antenna connector with short whip antenna and line level audio output. The output level is fully adjustable up to +15 dB. The receiver can be battery powered or phantom powered through the audio output jack. Offering dependable and clean RF reception, the operating range with the M-216 Option P7 transmitter is up to 500 ft.; and with the BST-25/216 base station transmitter, the operating range is greater than 1000 ft.



Note: Specifications subject to change without notification.

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