

Portable Display RF Receiver (216 MHz)



**Product Overview:**

The LR-400-216 Portable Display FM Receiver is a lower cost digital display receiver. It has the same exceptional audio quality and convenient recharging options as Listen's other full-featured receivers. The LR-400-216 can receive up to 19 wide band with 38 narrow band channels. The LR-400-216 has a digital display (LCD) to monitor channel selection, battery level, and signal strength. An LED on top of the receiver indicates if the unit is on, when batteries are low or if the unit is locked on a channel. It has channel SEEK capability and is compatible with mono or stereo earphones.

**Highlights:**

- Superior audio quality – 80 dB signal-to-noise ratio (SNR), setting the industry’s sound quality standard
- 57 channels
- 100 % Digital – Listen receivers are digitally-tuned so the transmission won’t drift
- Limited Lifetime Warranty with hassle-free support
- Look & Listen™ LCD shows channel, battery status, and signal strength
- Uses standard alkaline or nickel-metal hydride (NiMH) batteries
- Built in SmartCharge™ won’t allow batteries to overcharge. Charging circuitry is conveniently built into Listen’s receivers
- Drop in charging contacts for any of Listen’s many charging cases or a charging plug on the side of the unit
- Many accessory options make Listen products ideal for a wide range of applications

**Includes:**

- One (1) LR-400-216 Portable Display FM Receiver
- One (1) Quick reference card

Product Specification: Portable Display RF Receiver (216 MHz)	
<b>Audio</b>	
Frequency Response	50 - 10 kHz (±3 dB)
Signal-to-Noise Ratio	SQ enabled 80 dB, SQ disabled 50 dB
Distortion	<2% total harmonic distortion (THD) at 80% deviation
Audio Output Jacks	3.5 mm (0.14 in.) connectors, unbalanced, 0 dBu nominal output level, 16 mW maximum, impedance 32 ohm
<b>Controls</b>	

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User Controls	Channel up/down, SEEK, volume, Alkaline/NiMH batteries, SQ enable/disable
Programming	Channel lock, squelch
<b>Indicators</b>	
LEDs	Red, illuminated when unit is on, flashes when batteries are low or to indicate charging, flashes when locked and SEEK is pushed
LCD	Channel designation, battery level, battery charging, RF signal strength and channel lock
<b>RF</b>	
Frequency Range	216.0125 - 216.9875 MHz
Number of Channels	19 wide band, 38 narrow band
Sensitivity	.6uV typical, 1 uV maximum for 12 dB sinad
Frequency Accuracy	± .005% stability 32 to 122 °F (0 to 50 °C)
Antenna Type	Uses earphone cable
Squelch	Programmable in 20 steps, automatic on loss of RF signal
<b>Power</b>	
Battery Type	Two (2) AA batteries, alkaline or NiMH
Battery Life	30 hours alkaline (LA-361), 15 hours NiMH rechargeable (LA-362)
Battery Charging Time	Fully automatic, 13 hours
Power Supply	I/P 120 VAC; O/P 7.5 VDC 250 mA, drop in contact points for use with charging cases, power supply not included (LA-208)
Power Supply Connector	0.09 in. (2.3 mm) OD by 0.7 mm ID, barrel type connector 7.5 VDC, center positive <250 mA, drop in contact points for use with Listen charging cases
Compliance	RoHS, WEEE, UL, PSE, CE, CUL, TUV, CB
<b>Physical</b>	
Height	4.25 in. (10.8 cm)
Width	2.75 in. (7.0 cm)
Height	1.50 in. (3.8 cm)
Color	Dark Grey with white silk screening
Weight	3.9 oz (111 g)
Unit Weight with Batteries	5.8 oz (164 g)
Door	Manually lockable, SEEK/channel select behind the door
Shipping Weight	1.0 lbs. (0.5 kg)

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Environmental	
Temperature - Operation	14 to 104 °F (-10 to 40 °C)
Temperature - Storage	-4 to 122 °F (-20 to 50 °C)
Relative Humidity	0 to 95% relative humidity, non-condensing
Compliance	
RF	FCC Part 15, Part 90, Industry Canada
Safety	RoHS