



Product Overview:

Combining powerful, crystal-clear audio performance with the ability to program each unit, the LR-500-216 Portable Programmable Display Receiver is a top-of-the-line solution for your assistive listening system. Our signature Look & Listen (TM) LCD display gives you and your users a quick, easy way to check the programming status, channel selection, battery level, signal strength, and more. And Listen Technologies’ SmartCharge (TM) system built into each unit helps to prevent overcharging (when used with NiMH rechargeable AA batteries).

Easy to use and easy to program, the LR-500 offers you a high-performance 216 MHz receiver option for meeting the needs of your visitors or customers.

Highlights:

- Compact, portable, and programmable digital receiver
- Can receive up to 19 wide-band or 38 narrow-band channels
- Easy-to-read LCD display with programming status, battery level, channel lock, and signal strength readings
- Channel seek capabilities and channel selector buttons on the front of the unit
- 70 dB signal-to-noise ratio for industry-leading sound quality
- Built-in SmartCharge feature prevents overcharging
- Simple drop-in charging compatible with Listen Technologies’ charging cases and plugs
- Compatible with mono and stereo headphones
- Uses standard AA alkaline or NiMH rechargeable batteries
- Limited lifetime warranty and hassle free support from Listen Technologies

Includes: One (1) LR-500-216 Portable Programmable Display FM Receiver (216 MHz)
One (1) Owner’s Manual (216 MHz)

Product Specification: Portable Programmable Display RF Receiver (216 MHz)	
Audio	
Frequency Response	50 - 15 kHz (±3 dB)
Signal-to-Noise Ratio	SQ enabled: 70dB; SQ disabled 50dB
Audio Output Jacks	3.5mm connectors, unbalanced, 0dBu nominal output level, 16mW maximum, impedance 32 Ohms
Distortion	< 2% total harmonic distortion (THD) at 80% deviation
Controls	
User Controls	Channel up/down, SEEK, volume, Alkaline/NiMH batteries, SQ enable/disable
Programming	Channel lock, squelch, channel lock out
Indicators	
LCD	Channel Designation, lock status, signal strength indication, programming
LEDs	Red, illuminated when unit is on. Flashes when batteries are low, or to indicate charging. Flashes when locked and SEEK is pushed.
RF	
Frequency Range	216.0125 - 216.9875 MHz
Number of Channels	19 wide band, 38 narrow band

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Sensitivity	.6uV typical, 1 uV maximum for 12 dB sinad
Frequency Accuracy	± .005% stability 32 to 122 ^o (0 to 50 ^o C)
Squelch	Programmable in 20 steps, automatic on loss of RF signal
Antenna Type	Uses earphone cable
Power	
Power Supply	I/P 120VAC; O/P 7.5VDC 250 mA; Drop in contact points for use with charging cases. Power supply not included (LA-208)
Power Supply Connector	2.3mm OD by 0.7mm ID, barrel type connector 7.5 VDC, center positive < 250mA. Drop in contact points for use with Listen charging cases
Battery Type	Two 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
Compliance	RoHS, WEEE, UL, PSE, CE, CUL, TUV, CB compliant
Physical	
Width	5.00 in. (13.0 cm)
Height	3.00 in. (7.6 cm)
Depth	1.00 in. (2.5 cm)
Color	Dark Grey with white silk screening
Unit Weight with Batteries	5.8 oz (164 g)
Shipping Weight	1.0 lbs. (0.5 kg)
Weight	3.9 oz (111 g)
Door	Manually Lockable. Up, down, and power buttons through door. Other controls behind door (see controls)
Environmental	
Temperature - Operation	14 to 104 ^o F (-10 to 40 ^o C)
Temperature - Storage	-4 to 122 ^o F (-20 to 50 ^o C)
Relative Humidity	0 to 95% relative humidity, non-condensing
Compliance	
RF	FCC Part 90, Industry Canada