



#### Configuration:

LR-400-072 Portable Display RF Receiver (72 MHz)

LR-400-216 Portable Display RF Receiver (216 MHz)

**Product Overview:** Offering the same high-performance audio and convenient recharging features as our other receivers, the LR-400-072 Portable Display RF Receiver is an affordable option for establishing or expanding your assistive listening system. Capable of receiving up to 17 wide-band or 40 narrow-band channels, the LR-400-072 features a digital LCD display, channel seeking capabilities, and compatibility with mono or stereo headphones. The LCD display provides each user with channel selection, battery level, and signal strength information, and an LED on the top of each receiver indicates power status and low battery conditions. Approved for assistive listening use in the U.S. by the FCC, the LR-400-072 Portable Display RF Receiver is a cost-effective way to provide assistive listening to your customers, clients, or patrons.

#### Highlights:

- Cost-effective solution to beginning or expanding your RF assistive listening system
- Can receive up to 17 wide-band or 40 narrow-band channels
- Easy-to-read LCD display with battery status, channel information, and signal strength readings
- Channel seek capabilities
- 80 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
- Limited lifetime warranty and hassle free support from Listen Technologies

#### Includes:

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

Product Specification: Portable Display RF Receiver (72 MHz)	
Audio	
Frequency Response	50 Hz - 15 kHz ( $\pm 3$ dB)
Signal-to-Noise Ratio	SQ enabled 80 dB, SQ disabled 60 dB
Audio Output Jacks	3.5 mm (0.14 in.) connectors, unbalanced, 0 dBu nominal output level, 16 mW maximum, impedance 32 ohm
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
Indicators	
LCD	Channel designation, battery level, battery charging, RF signal strength and channel lock

Product Specification: Portable Display RF Receiver (72 MHz)	
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	72.025 - 75.950 MHz
Number of Channels	17 wide band, 40 narrow band
Sensitivity	.6uV typical, 1 uV maximum for 12 dB sinad
Frequency Accuracy	± .005% stability 32 to 122 °F (0 to 50 °C)
Squelch	Programmable in 20 steps, automatic on loss of RF signal
Antenna Type	Uses earphone cable
Power	
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
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
Compliance	RoHS, WEEE, UL, PSE, CE, CUL, TUV, CB
Physical	
Width	2.75 in. (7.0 cm)
Height	4.25 in. (10.8 cm)
Length	1.50 in. (3.8 cm)
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, SEEK/channel select behind the door
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	
Safety	RoHS
RF	FCC Part 15, Part 90, Industry Canada