

# Listen's FM Receivers

## LR-500 Programmable Display Receiver

Available in  
72 or 216MHz

**Awesome!**

**Look & Listen™ Display** – at-a-glance verification of channel selection, battery level, and RF signal strength

Earphone plugs in here and can be securely fastened (accepts mono or stereo jacks)

Denotes 72 or 216MHz receiver

Select channel using up and down buttons; verify selection on the LCD



LR-500 Programmable Display Receiver

To find a channel depress "seek", or to lock the channel, hold button down for 5 seconds (prevents users from changing channels)

Exclusive belt clip "loop" prevents unit from slipping off

Mechanical lock prevents users from accessing batteries



Side View

## LR-400 Display Receiver

Lit LED = 'power on'  
Flashing = 'battery low'  
2X Flashing = 'charging'

ON/OFF and volume control

The LR-400's CHANNEL and SEEK features are behind lockable door



LR-400 Display Receiver

Transformer Charging Option plugs in here



Alkaline

Listen Receivers can operate on alkaline batteries or advanced rechargeable Nickel Metal Hydride (NiMH) batteries, which can be recharged within each unit. NiMH batteries can last up to ten times longer than typical NiCAD batteries.



Rechargeable NiMH Batteries

### LISTEN RECEIVER BENEFITS

**Field Tunability** – In the sometimes crowded world of RF, the ability to quickly change channels and avoid interference is a necessity. Listen offers 57 channels which are tunable on-site using UP and DOWN buttons. It's as simple as that!

**Look & Listen Display** – No need to guess battery level status with our 3-stage indicator!

**Digital** – Listen receivers are digitally-tuned so transmission won't drift; assurance that when you select a channel, it stays on channel!

**SmartCharge™** – Batteries won't overcharge! Charging circuitry is conveniently built into Listens receivers; never worry about unplugging a transformer at a certain time.

**Save money and eliminate hassle!** – Advanced Nickel Metal Hydride (NiMH) rechargeable batteries, which can be recharged within Listen's products, have no memory effect and can last up to ten times longer than typical NiCAD batteries.

**Seek!** – Press SEEK to find an in-range transmitting channel; perfect for personal use.

Listen Advantage:

# Tunability

Every Listen product offers 57 channels tunable on-site with the simple push of a button.

Thus, you have 57 opportunities to find one or more clear transmission channels!

### Receiver Comparison

#### The LR-500

- Allows programming so users can only tune to certain channels
- Provides exterior access to SEEK and channel selection capabilities, thus, it's ideal for users who need to conveniently change channels or easily SEEK to find a channel with a transmission
- Offers maximum flexibility
- Is ideal for personal use, schools, language translation, museums, and high interference applications

#### The LR-400

- Accesses and displays all 57 channels (unless you lock it on only one channel)
- Has channel up and down and SEEK buttons behind the door, limiting access to channel changing
- Is ideal when users do not need to (or you do not want them to) change channels
- Is ideal when the receiver is tuned to the same channel most of the time
- Is ideal for places of worship, tour groups, theaters, and stadiums
- Is lower in cost than the LR-500

### Receiver Specifications

#### RF Frequency Range:

72MHz: 72.05 - 75.95MHz  
216MHz: 216.025 - 216.975 MHz

#### Sensitivity:

.6uV typical, 1uV maximum for 12dB SINAD

#### Signal to Noise ratio:

72MHz: Wide band channels, 60dB;  
Narrow, 54dB  
216MHz: Wide band channels, 50dB;  
Narrow, 44dB

#### Frequency Response:

72MHz: 30Hz to 17KHz, ± 3dB  
216MHz: 30Hz to 10KHz, ± 3dB

#### Distortion:

< 2% THD

#### Squelch:

40dB with loss of RF signal

#### Antenna:

Uses headphone cable

#### Available Channels:

72MHz: 17 wide band, 40 narrow band  
216MHz: 19 wide band, 38 narrow band

#### Physical:

Dimensions: 3" W x 1" D x 5" H  
(7.6cm W x 2.5cm D x 13cm H)  
Weight: < 1 lb. (.45 kg) with batteries

#### (LR-500 Only) Programmability:

Allows only programmed channels to appear on the display

#### Power:

Two AA batteries, high capacity alkaline or NiMH rechargeable; external power connector 7.5 VDC, tip positive, <300mA

#### Battery Life:

40 hours with high capacity alkaline, 20 hours with rechargeable NiMH

### Receiver Earphone Options



Ear Speaker (LA-164)



Single Ear Bud (LA-161)



Dual Ear Buds (LA-162)



Stereo Headset (LA-165)



Neckloop (LA-166)



Consumer Camcorder Cable (LA-265)



Pro Camcorder Cable (LA-266)



## Receiver & Portable Transmitter Charging Options

Listen's exclusive SmartCharge™ technology makes recharging assistive listening products easier than ever! Listen offers four charging options to conveniently recharge advanced Nickel Metal Hydride batteries within its products.



Switch to select alkaline or rechargeable NiMH batteries

Fast, no-fuss removal and replacement of batteries, if required



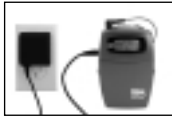
Option 1:  
Listen's 16-Slot Charging/Carrying Case with power supply (LA-311) includes:

- Automatic drop-in charging
- A secure place for each earphone to prevent cable tangling
- Simple and easy storage, handling and charging of your Listen system



Option 2:  
4-Slot Charging Tray with Power Supply (LA-301)

- Automatic drop-in charging
- Add an expansion charging tray (LA-308) to charge up to eight portable products



Option 3:  
Power/Charging Transformer (LA-202)

- An ideal, economical solution for charging a small number of units
- One transformer charges one unit



Option 4:  
12VDC Automobile Power/Charging Transformer (LA-305)

- Plugs into the product and into a motor vehicle's 12V connector
- One transformer charges one unit

# Listen™

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Specifications are subject to change without notice.