

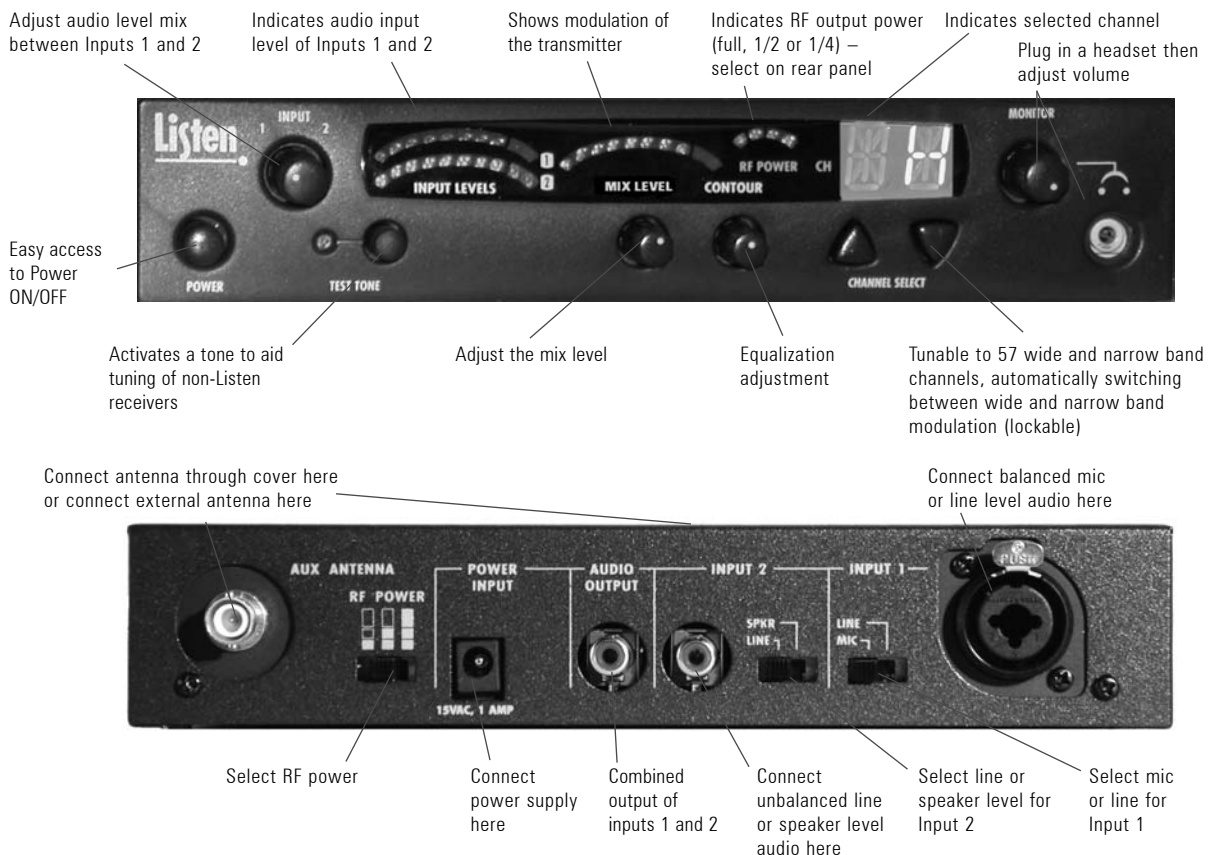
LT-800 Stationary Transmitter

Model: LT-800-072 (for 72MHz)
LT-800-216 (for 216MHz)

Specify Part Number

LT-800-072
or LT-800-216

The Listen LT-800 Stationary Transmitter can interface with a facility's sound system, a mixer or directly to a microphone. It is also rack mountable (LA-326), can sit on a shelf, or be attached to any surface (LA-327). The LT-800 has 57 channels with a maximum broadcast range of 1,500 feet (457 meters) at 72MHz and 3,000 feet (914 meters) at 216MHz. The LT-800 comes with a power supply (LA-201) and requires an antenna.



LT-800 Benefits




- **Every Application** – A choice of 72 or 216MHz systems, complete antenna and accessory options, and superb audio quality make Listen products ideal for a wide range of applications.
- **Works Where Others Won't** – Incorporates the latest, most advanced technology for clear transmission.
- **Double the Range** – 216MHz systems offer double the range of more familiar 72MHz systems (see back cover for differentiation).

LT-800 Stationary Transmitter


Accessories

- Antennas (see right)
- LA-326 Rack Mounting Kit (see right)
- LA-127 RG58 BNC Cable Connector
- LA-112 RG58 Coaxial Cable
- LA-113 RG8 Low Loss Coaxial Cable
- LA-114 Coaxial Connector Installation (2 connectors)
- LA-121 BNC Adapter (LT-800-072 only)

LT-800 Rack Mount Options




Rack Mounting Kit (LA-326) includes parts for single and dual rack configuration and a plastic security cover



Antenna Kit for the Rack Mounting Kit (LA-125 for 72MHz and LA-126 for 216MHz)

LA-122 Universal Antenna Kit


Single solution for all of your remote antenna needs




Other LT-800 Antenna Options

LT-800 Specifications


| | | |
|---|--|---|
| <p>RF Frequency Range: 72MHz: 72.05 - 75.95MHz 216MHz: 216.025 - 216.975 MHz</p> <p>Transmitter Stability: 50 PPM</p> <p>Output Power: 72MHz: 8000uV at 3m (≈20mW) 216MHz: 100mW (Max allowed by FCC)</p> <p>Signal to Noise ratio*: 80dB with SQ enabled (72 and 216MHz). 60dB (72MHz), 50dB (216MHz) with SQ disabled</p> <p>Frequency Response*: 50 to 15 KHz +/-3dB (10KHz at 216 MHz)</p> <p>Distortion*: < 2% THD</p> <p>Available Channels: 72MHz: 17 wide band, 40 narrow band 216MHz: 19 wide band, 38 narrow band</p> | <p>RF Power Selection: Full, 1/2, 1/4</p> <p>Physical Dimensions: 8.0 in (20.3cm) W x 8.0 in (20.3cm) D x 1.75 in (44.45cm) H</p> <p>Weight: 3.0 lbs (1.4kg)</p> <p>Power Supply (LA-201): 16VAC/1000mA. 0.2 in (5.0mm) OD, 0.1 in (2.5mm) ID</p> <p>Audio Input 1: F-XLR / 1/4" Phone, 50/600 ohms, balanced -55dBm / +4dBm, selectable, adjustable</p> <p>Audio Input 2: Phono, 10K/50 ohms, unbalanced -10dBm / +20dBm, selectable, adjustable</p> <p>Audio Output (Mix): Phono, 10K ohms, unbalanced, -10dBm</p> <p>Headphone Output: 250mW, 32 ohms, 3.5mm stereo</p> | <p>Controls: Mix, Process, Contour, Headphone Level, Tone, RF Power Output, and ON/OFF</p> <p>Visual Indicators: Audio input levels 1, 2 and post processed modulation level; channel; RF power, test tone</p> <p>* System: End-to-end</p> |
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Telescoping (Top Mount) (LA-106 for 72MHz or LA-102 for 216MHz)



72MHz Helical (Top Mount) (LA-101)



90 Degree Helical Antenna (Rear Mount) (LA-123 for 72MHz and LA-124 for 216MHz)



216MHz Ground Plane (Remote) (LA-107)

Architectural Specifications

The stationary FM transmitter shall be capable of broadcasting on 57 channels. The output power shall be adjustable to quarter, half or full. Channel tuning shall be capable of being locked. The device shall broadcast on both wide and narrow band channels. The device shall have an audio frequency response of 50Hz to 15KHz, +/- 3dB at 72MHz, or of 50Hz to 10kHz, +/- 3dB at 216MHz. It shall have two mixing audio inputs. The device shall have the following audio controls: input level, process control and an adjustable low pass shelving filter. The Listen LT-800 is specified.

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