

# FM Stationary Transmitter

## LT-800 Stationary Transmitter

Adjust audio level mix between Inputs 1 and 2

Indicates audio input level of Inputs 1 and 2

Shows modulation of the transmitter

Indicates RF output power (full, 1/2 or 1/4) – select on rear panel

Indicates selected channel  
Plug in a headset then adjust volume

Available in 72 or 216MHz

Easy access to Power ON/OFF

Activates a tone to aid tuning of non-Listen receivers

Adjust the mix level

Equalization adjustment

Tunable to 57 wide and narrow band channels, automatically switching between wide and narrow band modulation (lockable)

Connect antenna through cover here or connect external antenna here

Connect balanced mic or line level audio here



Select RF power

Connect power supply here

Combined output of inputs 1 and 2

Connect unbalanced line or speaker level audio here

Select line or speaker level for Input 2

Select mic or line for Input 1

### 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)

### Listen Advantage #1

## More Choices

No other company gives you so many choices including the choice of 72 or 216MHz frequency bands (see back cover). Our products are ideal for expanded applications because of their multiple features and extreme versatility!

### 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 Specifications

**RF Frequency Range:**  
72MHz: 72.05 - 75.95MHz  
216MHz: 216.025 - 216.975 MHz

**Transmitter Stability:** 50 PPM

**Output Power:**  
72MHz: 8000uV at 3m (=20mW)  
216MHz: 100mW (Max allowed by FCC)

**Signal to Noise ratio:**  
80dB with SQ enabled (72 and 216MHz),  
60dB (72MHz), 50dB (216MHz) with SQ disabled

**Frequency Response\*:** 50 to 15 KHz +/- 3dB (10KHz at 216 MHz)

**Distortion\*:** < 2% THD

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

**RF Power Selection:**  
Full, 1/2, 1/4

**Physical Dimensions:**  
8.0 in (20.3cm) W x 8.0 in (20.3cm) D  
x 1.75 in (44.45cm) H  
Optional Rack Mounting Kit (LA-326)

**Weight:**  
3.0 lbs (1.4kg)

**Power Supply (LA-201):**  
16 VAC/1000mA

**Audio Input 1:**  
F-XLR / 1/4" Phono, 50/600 ohms, balanced -55dBm / +4dBm, selectable, adjustable

**Audio Input 2:**  
Phono, 10K/50 ohms, unbalanced -10dBm / +20dBm, selectable, adjustable

**Audio Output (Mix):**  
Phono, 10K ohms, unbalanced, -10dBm

**Headphone Output:**  
250mW, 32 ohms, 3.5mm stereo

**Controls:**  
Mix, Process, Contour, Headphone Level, Tone, RF Power Output, and ON/OFF

**Visual Indicators:**  
Audio input levels 1, 2 and post processed modulation level; channel; RF power, test tone

\* **System:** End-to-end

### LA-122 Universal Antenna Kit

Single solution for all of your remote antenna needs

### Other LT-800 Antenna Options

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)