



**Configuration:**

LT-800-150-04 Stationary RF Transmitter (150 MHz) (Australia)

**Product Overview:**

Offering outstanding audio clarity, digital signal strength, and 32 selectable channels, the LT-800 is a perfect RF transmitter choice for a wide range of applications. Connected to your main audio system, the LT-800 broadcasts reliable audio to both belt pack receivers and stationary receivers, ideal for providing listeners with the best possible assistive listening experience.

\*Note: The LT-800-150 is approved for use in Australia

**Highlights:**

- Look & Listen (TM) LCD display for quick channel, programming, and channel lock status information
- Balanced and unbalanced audio inputs allow for use with any audio source
- Built-in auto processor optimizes audio (voice or music) prior to transmission
- 32 available, selectable channels
- VU level meter and test tone for simple installation and set up
- 30-day, no-obligation demonstration available for your venue or business
- Backed by Listen Technologies’ limited lifetime warranty and hassle-free support

**Includes:**

- One (1) LT-800-150 Stationary RF Transmitter (150 MHz)
- One (1) User manual
- One (1) LA-207 Power Supply for LT-800
- One (1) Line Cord

Product Specification: Stationary RF Transmitter (150 MHz)	
Audio	
Frequency Response	50 Hz - 15 kHz (±3 dB)
Signal-to-Noise Ratio	SQ enabled 80 dB, SQ disabled 60 dB
Audio Input 1	Rear panel, one (1) Female XLR and 1/4 in combo connector, balanced, 0 / -55 dBu (line/mic) nominal input level adjustable, -30 / +21 dBu (line/mic) maximum input level, impedance 20k / 1k ohms (line/mic), phantom power +12 VDC
Audio Input 2	Rear panel, two (2) phono connectors, unbalanced, -10 / +10 dBu nominal input level adjustable, +30 dBu maximum, impedance 100k ohms
Audio Processing	Compression can be turned on/off. Slope internally adjustable from 1:1 to 4:1. Default 2:1
Contour	Cuts and boosts frequencies above 5 kHz
Distortion	< 2% total harmonic distortion (THD) at 80% deviation
Audio Output	Input 1 and input 2, mixed output (rear panel), two (2) phono connectors, unbalanced, -10 dBu nominal output level, +15 dBu maximum, impedance 10 ohms

Product Specification: Stationary RF Transmitter (150 MHz)	
Headphone Output	Front panel, one (1) 3.5 mm (0.14 in.) stereo connector, unbalanced, adjustable output level, +3 dBu maximum, impedance 10 ohms
<b>Controls</b>	
User Controls	Front Panel: Power, Test Tone on/off, Channel up/down, Input Levels, Mix Level, Contour, Monitor volume control Rear Panel: Input 1 Level, (Line, Mic, Mic-Phantom Power), Input 2 level (-10 / +10 dBu), RF power level (low, mid, high)
Internal Adjustments	Compression ratio for audio processor
Programming	Process on/off, SQ on/off, channel lock
<b>Indicators</b>	
LCD	Channel Designation, lock status, RF power level, programming (front panel)
Audio Input Status LEDs	Indicates Input 1, Input 2, and Mix audio levels; 10 segment LED's (8 green, 2 red)
Processing	Indicated by a green LED when on (front panel)
Test Tone	Red LED illuminates when test tone is enabled
RF Power	Indicated on the LCD (low, mid, high)
<b>RF</b>	
Frequency Range	150.8000 MHz - 152.3500 MHz
Number of Channels	6 wideband, 26 narrowband
Frequency Accuracy	± .005% stability 32 to 122 <sup>o</sup> (0 to 50 <sup>o</sup> C)
Antenna Type	Various
Transmitter Stability	50 PPM
Transmission Range	Up to 762 m (2500 ft.)
Antenna Connector	BNC, 50 Ohms (Use RG-58 < 75 ft or RG-8 > 75 ft)
Output Power	< 100 mW EIRP
Number of Simultaneous Transmitters	6
<b>Power</b>	
Power Supply	In line power supply (Listen part number LA-207)
Power Supply Input	100-240 VAC, 50-60 Hz, 0.4 A
Power Supply Output	12 VDC, 1.3 A, 15.6 W
Power Supply Connector	0.02 in (5.0 mm) OD, 0.01 in. (2.5 mm) ID, barrel type
Compliance	UL, CE, GS, TÜV, RoHS
<b>Physical</b>	
Width	8.50 in. (21.5 cm)
Height	1.75 in. (4.5 cm)
Depth	9.13 in. (23 cm)
Unit Weight with Power Supply	3.5 lbs. (1.6 kg)
Shipping Weight	6 lbs. (2.7 kg)
Rack Mounting	One (1) rack space height, 1/2 rack space wide. One (1) or two (2) transmitters can be mounted in one rack space, optional rack mount (LA-326)
Weight	2.6 lbs. (1.2 kg)

Product Specification: Stationary RF Transmitter (150 MHz)	
Clips	Dark Grey with white silk screening
<b>Environmental</b>	
Temperature - Operation	-10 °C (14 °F) to +40 °C (104 °F)
Temperature - Storage	-20 °C (-4 °F) to +50 °C (122 °F)
Relative Humidity	0 to 95% relative humidity, non condensing
<b>Compliance</b>	
Safety	CE, ETSI, RoHS