



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
Controls	
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
Indicators	
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)
RF	
Frequency Range	150.8000 MHz - 152.3500 MHz
Number of Channels	6 wideband, 26 narrowband
Frequency Accuracy	± .005% stability 32 to 122 ^o (0 to 50 ^o C)
Antenna Type	Various
Transmitter Stability	50 PPM
Transmission Range	Up to 762 m (2500 ft.)
Antenna Connector	BNC
Output Power	< 100 mW EIRP
Number of Simultaneous Transmitters	6
Power	
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
Physical	
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)

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Clips	Dark Grey with white silk screening
Environmental	
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
Compliance	
Safety	CE, ETSI, RoHS