



Configuration:

LT-800-072-01 Stationary RF Transmitter (72 MHz) (North America)

Product Overview:

Offering outstanding audio clarity, digital signal strength, and 57 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 strong, reliable audio to both belt pack receivers and stationary receivers, ideal for providing listeners with the best possible assistive listening experience.

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
- 57 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

Includes:

- One (1) LT-800 Stationary RF Transmitter (72 MHz)
- One (1) LA-207 Power Supply for LT-800
- One (1) Line Cord
- One (1) Quick reference card

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 or 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 ohm (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 ohm |
| 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 ohm |
| Headphone Output | Front panel, one (1) 3.5 mm (0.14 in.) stereo connector, unbalanced, adjustable output level, +3 dBu maximum, impedance 10 ohm |

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 | SQ on/off, process 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 | 72.025 - 75.950 MHz |
| Number of Channels | 17 wide band, 40 narrow band |
| Frequency Accuracy | $\pm .005\%$ stability +32 ^o to +122 ^o F (0 ^o to +50 ^o C) |
| Antenna Type | Various antennas available |
| Transmitter Stability | 50 PPM |
| Transmission Range | Up to 305 m (1,000 ft.) |

| | |
|-------------------------------------|------------------|
| Output Power | 80,000 uV at 3 m |
| Number of Simultaneous Transmitters | 6 |

Power

| | |
|--------------------|--|
| Power Supply | In line power supply, Listen part number LA-207 (Line cord is determined by the each Country's AC power standards) |
| 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 | 21.5 cm (8.50 in.) |
| Height | 4.5 cm (1.75 in.) |
| Depth | 23 cm (9.13 in.) |
| Color | Black with grey silk screening |
| Unit Weight with Power Supply | 1.6 kg (3.5 lbs.) |
| Shipping Weight | 2.7 kg (6.0 lbs.) |
| 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 | 1.2 kg (2.6 lbs.) |
| 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 | RoHS |
| RF | FCC Part 15, Part 90, Industry Canada |