



Configuration:

LT-803-072-01 Stationary 3-Channel RF Transmitter (72 MHz) (North America)

Product Overview:

Businesses or venues can broadcast on one of three channels of assistive listening audio. The LT-803-072 Stationary 3-Channel RF Transmitter is an excellent choice. Universal inputs allow for the use of nearly any audio source including mixers, microphones, MP3 players, and more, and our signature Look & Listen (TM) LCD display provides immediate information about channel, lock, and RF power. The LT-803-072 also includes a power supply making it easy to set up and start using right away. Antenna not included.

Highlights:

- Affordable, feature-packed transmitter option for basic assistive listening systems
- Three-channel selection design makes it simple to manage, and use
- 100% digital audio transmission for solid, reliable signal
- Look & Listen LCD display
- Works with any audio source on the market
- 30-day, no-obligation demonstration available for your venue
- Compatible with a wide range of Listen Technologies accessories

Includes:

One (1) LT-803-072 Stationary 3-Channel RF Transmitter (72 MHz)

One (1) Power supply

One (1) Quick Reference Card

Product Specification: Stationary 3-Channel RF Transmitter (72 MHz)	
Audio	
Frequency Response	50 Hz - 15 kHz (±3 dB)
Signal-to-Noise Ratio	62 dB (A-Weighted)
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 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

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	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	Process on/off, channel lock
Indicators	
LCD	Channel Designation, lock status, RF power level (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	(A) 72.100, (E) 72.900, (H) 75.900
Number of Channels	3 wide band
Frequency Accuracy	± .005% stability 0 to 50°C (32 to 122°)
Antenna Type	Various antennas available
Transmitter Stability	50 PPM
Transmission Range	Up to 305 m (1,000 ft.)
Antenna Connector	BNC, 50 Ohms (Use RG-58 < 100 ft or RG-8 > 100ft)
Output Power	80,000 uV at 3 m
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	5.0 mm (0.02 in.) OD, 2.5 mm (0.01 in.) 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	Dark Grey with white silk screening
Unit Weight with Power Supply	2.0 kg (4.5 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

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	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	
RF	FCC Part 15, Part 90, Industry Canada