



Configuration:

MH-800-072-01 Meeting House Transmitter

Product Overview:

The MH-800-072-01 is an LT-800-072-01 with customized settings. The MH-800 has outstanding audio quality and can be used in a variety of applications. The MH-800 connects to the main audio system, to broadcast a high quality audio signal to receivers distributed to the meeting house audience. The end result is hearing loss audience members can hear and understand the message better because they have their own receiver and headset. The signature Look & Listen™ LCD shows channel, lock, programming and RF power.

Highlights:

- Superior audio quality – setting the industry’s sound quality standard
- 57 channels
- 100% Digital – Listen transmitters are digitally-tuned so the transmission won’t drift
- Use up to six (6) simultaneously on 72 MHz
- Look & Listen™ LCD shows channel, channel lock, and programming information
- Balanced/Unbalanced Inputs – you can interface with any audio source on the market
- Designed for installation – rack mountable with optional remote antennas make installation easy and service reliable
- Auto Processor – to condition the audio for voice/music prior to transmission
- VU level meter and test tone – simply makes the installation easier to set-up
- Many accessory options make Listen products ideal for a wide range of applications

Includes:

- One (1) MH-800-072-01 Meeting House Transmitter (LT-800-072 with customized setting)
- One (1) LA-207 Power Supply for LT-800
- One (1) Line Cord
- One (1) Quick reference card

Product Specification: Meeting House Transmitter	
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,

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	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	± .005% stability +32° to +122 °F (0° to +50 °C)
Antenna Type	Various antennas available
Transmitter Stability	50 PPM
Transmission Range	Up to 1,500 ft. (457 m)
Antenna Connector	BNC
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	8.50 in. (21.5 cm)
Height	1.75 in. (4.5 cm)
Depth	9.13 in. (23 cm)
Color	Dark Grey with white silk screening
Unit Weight with Power Supply	3.5 lbs. (1.6 kg)

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Shipping Weight	6.0 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)
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