

# Stationary IR Submittal Cut Sheet

Don't miss a single sound.



\*\*All system specifications are wireless end-to-end

Specifications		LT-82
Stationary Transmitter Overview	Configuration	LT-82-01 (North America) LT-82-02 (Asia, UK) LT-82-03 (Euro)
	Requires	LA-140 IR Radiator
	Used With	LR-42 Stethoscope 4-Channel Receiver LR-44 Lanyard 4-Channel IR Receiver
RF	Carrier Frequencies	2.3 MHz, 2.8 MHz, 3.3 MHz, 3.8 MHz
	Number of Channels	Four channels. Selectable one channel per transmitter (mono or stereo)
	Carrier Shut Off	Carrier will shut off when no audio is present for 30 minutes to preserve radiator life.
	Frequency Accuracy	+/- .005% stability 0 to 50C
	Transmitter Stability	50 PPM
Audio	System Frequency Response	63Hz - 15kHz (+/- 3dB)
	System Signal to Noise Ratio (A-weighted)	>58dB
	System Distortion	<2% total harmonic distortion (THD)
	Audio Input 1	Mono Input (Rear Panel). Female-XLR and 1/4 in combo connector, balanced, 0/-55dBu (line/mic) nominal input level adjustable; -30/+21dBu (mic/line) maximum input level; impedance 20k/1k ohms (line/mic); phantom power +12VDC
	Audio Input 2	Stereo or Mono Input (Rear Panel). (2) Phono connectors, unbalanced, -10/+10dBu nominal input level adjustable, +30dBu maximum, impedance 100k ohms
Power	Power Supply	In-line switching mode power supply, Listen part number LA-205 Input: 200-240 VAC, 47-63 hz Output: 30 VDC, 1.5 A Output Connector: RJ-45 Compliance: URL and CE Listed
	Power Output	(2) RJ-45 jacks for remote powering up to two radiators



*Refer to complete Data Sheets for full product specifications for the LT-82 and LA-140.*

Specifications		LA-140
IR Radiator Overview	Configuration	LA-140 (Grey) LA-140 (White)
	Requires	LT-82 Stationary IR Transmitter
	Used With	LR-42 Stethoscope 4-Channel Receiver LR-44 Lanyard 4-Channel IR Receiver
RF	Frequency Range	1 MHz - 5 Mhz
	Input	BNC Connection. -25dbm to -5dbm input nominal
	Output	BNC Connection. -15 dbm nominal
	Coverage Area	10,000 sf (929 sm) when used with Listen Receivers
Physical	Dimensions (H x W x D)	5.5 x 8 x 2.6 inches (140 x 203 x 66 mm)
	Color	LA-140-GY (Grey), LA-140-WH (White)
	Unit Weight	2.1 lbs (.95 kg)

Listen Technologies Corporation • 14912 Heritagecrest Way • Bluffdale, Utah 84065-4818  
801.233.8992 • 800.330.0891 North America • 801.233.8995 fax

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Specifications		LR-42
Stethoscope 4-Channel Receiver Overview	Configuration	LR-42
	Requires	LA-363 High Capacity AAA Alkaline Batteries (Qty 2) LT-82 Stationary IR Transmitter LA-140 IR Radiator
	Used With	LR-44 Lanyard 4-Channel IR Receiver
RF	Carrier Frequencies	2.3 MHz, 2.8 MHz, 3.3 MHz, 3.8 MHz
	Number of Channels	4 selectable channels
	Sensitivity	1 nW/cm <sup>2</sup> at 40 db SNR
	Frequency Accuracy	+/- .005% stability 0 to 50C
	Squelch	Automatic on loss of RF signal (40 db SNR)
Audio	System Frequency Response	63Hz - 15kHz (+/- 3dB)
	System Signal to Noise Ratio (A-weighted)	>58dB
	System Distortion	<2% total harmonic distortion (THD)
Controls	User Controls	Volume, Power, Channel Select
	Programming	Channel Lock, Auto Find, Auto Seek, Auto Shut-Off, Audible Option
Power	Battery Type	Two AAA alkaline batteries or NiMH battery pack
	Battery Life	30 hours alkaline, 15 hours NiMH rechargeable pack (LA-364)
	Battery Charging	Fully Automatic with NiMH battery pack and LA-350 charger

*Refer to complete Data Sheets for full product specifications for the LR-42 and LR-44.*



Specifications		LR-44
Lanyard 4-Channel Receiver Overview	Configuration	LR-42
	Requires	LA-363 High Capacity AAA Alkaline Batteries (Qty 2) LT-82 Stationary IR Transmitter LA-140 IR Radiator
	Used With	LR-42 Stethoscope 4-Channel Receiver
RF	Carrier Frequencies	2.3 MHz, 2.8 MHz, 3.3 MHz, 3.8 MHz
	Number of Channels	4 selectable channels
	Sensitivity	1 nW/cm <sup>2</sup> at 40 db SNR
	Frequency Accuracy	+/- .005% stability 0 to 50C
	Squelch	Automatic on loss of RF signal (40 db SNR)
Audio	System Frequency Response	63Hz - 15kHz (+/- 3dB)
	System Signal to Noise Ratio (A-weighted)	>58dB
	System Distortion	<2% total harmonic distortion (THD)
Controls	User Controls	Volume, Power, Channel Select
	Programming	Channel Lock, Auto Find, Auto Seek, Auto Shut-Off, Audible Option
Power	Battery Type	Two AAA alkaline batteries or NiMH battery pack
	Battery Life	30 hours alkaline, 15 hours NiMH rechargeable pack (LA-364)
	Battery Charging	Fully Automatic with NiMH battery pack and LA-350 charger