LISTEN
TECHNOLOGIES

Configuration:

LA-141 ListenIR Expansion Radiator (For LT-84 only)

Product Overview:

The LA-141 Expansion Radiator (Pat. 9,712,246) from Listen Technologies expands on the functionality and coverage area of the LT-84 Infrared Transmitter/Radiator combo system, giving users and clients an uninterrupted, high-performance listening experience.

Up to four (4) LA-141 Expansion Radiators can be added to the LT-84 system, providing additional coverage up to 2,787 m2 (30,000 ft2) with LR-4200-IR/LR-5200-IR receivers or 697 m2 (7,500 ft2) with LR-42/LR-44 receivers in single-channel mode. A single CAT-5e cable provides both power and signal to the radiators, and the included mounting hardware and single-cable design make installation and setup a breeze.

Highlights:

- The only product of its kind that provides complete, gap-less coverage in small- to mid-size spaces
- Up to four radiators can be added to the LT-84 system providing additional coverage up to 2,787 m2 (30,000 ft2)
- Single-cable CAT-5e provides power and audio signal for ease of setup
- Simple installation with the included mounting hardware

Includes: One (1) LA-141 ListenIR Expansion Radiator
One (1) 25 ft. (7.6 m) CAT-5e Cable
One (1) LA-344 Flexible Mounting Hardware
One (1) Quick Start Guide

Product Specification: ListenIR Expansion Radiator (For LT-84 only)	
Audio	
System Distortion	< 2% (THD) System Specification (wireless end-to-end with LR-44)
System Signal to Noise Ratio (A-Weighted)	> 60 dB (SNR) System Specification (wireless end-to-end with LR-44)
System Frequency Response	63 Hz - 15 kHz (+/- 3 dB) System Specification (wireless end-to-end with LR-44)
Controls	
Indicator Lights On/Off Switch	Two (2) position switch - Indicator Lights OFF, Indicator Lights ON
Delay Compensation	Four (4) position rotary switch setting (0, 1, 2, 3)
Indicators	
RJ-45 Amber LED	Solid Amber indicates carrier is present and IR is being transmitted
RJ-45 Green LED	Solid Green indicates power is applied to unit
RF	
Carrier Frequencies	2.3 MHz, 2.8 MHz, 3.3 MHz, 3.8 MHz
Number of Channels	Two (2) channels
Power Save Mode	Carrier will shut off when no audio is present for 15 minutes on both channels to preserve radiator life.

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Expansion Link Output	One (1) RJ-45 connector - Provides RF Signal and Power to one additional LA-141.CAT-5e cable 24 AWG, 100 ft. (30 m) maximum cable length, two (2) LA-141s per daisy chain (total daisy chain cannot extend beyond two expansion radiators)
Expansion Link Input	One (1) RJ-45 connector - Receives RF Signal and Power from LT-84
IR	
Coverage Area	30,000 ft² (2787 m²) single channel with LR-4200-IR/LR-5200-IR receivers or 7,500 ft² (697 m²) single channel with LR-42/LR-44 receivers
IR Emitter Power	1.49 W
Power	
Power Supply	12 VDC, Provided via LT-84 Expansion Link Output RJ-45s
Current Draw	600 mA per LA-141, maximum of two (2) LA-141s daisy chained with CAT-5e cable 24 AWG 100 ft. (30 m) to each LT-84 Expansion Link Output
Physical	
Color	Black with White Silk Screening
Shipping Weight	3.0 lbs. (1.4 kg)
Mounting	Can be mounted on a wall, ceiling, or table with provided hardware (screws and hollow wall anchors not provided). Optional LA-347 Wall Box Mounting Plate is available for mounting to a standard single gang electrical box.
Dimensions (H x W x D)	1.5 x 10.7 x 4.1 in. (3.81 x 27.2 x 10.5 cm)
Unit Weight	0.6 lbs. (0.3 kg)
Environmental	
Temperature - Operation	14 °F (-10 °C) to +104 °F (40 °C)
Temperature - Storage	-4 °F (-20 °C) to +122 °F (50 °C)
Relative Humidity	0 to 95% relative humidity, non-condensing
Compliance	
Standards	FCC Part 15, ICS-03, CE, UL, CUL, C-Tick, CCC, PSE, KC, GS, RoHS, WEEE