

ListenIR Radiator (for LT-82 only)



Configuration:

LA-140-GY ListenIR Radiator -Grey

LA-140-WH ListenIR Radiator -White

Product Overview:

The LA-140 ListenIR radiator/emitter packs high infrared power in a small and attractive design, with your choice of grey or white packaging. Designed for easy installation using standard components, the LA-140 is powered via CAT-5 cabling while the RF modulated carriers are delivered via standard coax cable. Mounting brackets are included for wall, ceiling, desk, mic stand and tripod mounting. Power can be supplied by the LT-82 transmitter or from a separate power supply (LA-205). Built-in delay compensation prevents signal cancellation (multi-path) problems and eliminates the piled-up cabling that is required with other systems. The LA-140 is used for government compliance (such as ADA), assistive listening, language interpretation, live theatre, houses of worship, courtrooms, secure rooms and for auditory description. Available in both grey and white.

Highlights:

- Outstanding coverage - 10,000 ft² (929 m²)
- Two (2) radiators can be powered from a single LT-82 transmitter or optional power supply using standard CAT-5 cabling - eliminating the need for multiple cables
- White or grey color - allows for a variety of aesthetic settings
- Includes wall, ceiling, desk, mic stand and tripod mounting brackets - gives multiple options for mounting
- Units can be horizontally or vertically mounted together - doubles the power in a small footprint
- Radiator diodes are turned off if no audio signal is present at the transmitter after 30 minutes - saves radiator diode life
- Delay compensation - ensures no drop out in the IR signal

Includes:

One (1) LA-140 ListenIR Radiator
 One (1) Mounting hardware (allows for wall, ceiling, desk, mic stand and tripod mounting)
 Twenty-five (25) ft. (7.6 m) of coax cable, matched color
 Twenty-five (25) ft. (7.6 m) of CAT-5 cable, matched color
 One (1) Quick Reference Card

Up to two LA-140 radiators can be powered by one LT-82. If additional power is required, order an additional power supply.

Architectural Specification:

The radiator-emitter shall have a single carrier transmitting area of no less than 10,000 ft² (929 m²) or greater for each radiator specified when used with specified receiver. The radiator shall be powered via CAT-5 cabling and the RF from the transmitter shall be carried by 50 ohm coaxial cable. The radiator shall have three indicating LEDs for *power*, *no carrier present* and *carrier present*.

ListenIR Radiator (for LT-82 only)

The radiator LEDs shall be deactivated after 30 minutes if there is no audio signal present from the transmitter. The radiator shall come in a white or grey color and shall include all of the mounting hardware capable of mounting the radiator on a wall, on a ceiling, in a corner, on a desk, on a mic stand or on a tripod. The Listen LA-140 is specified.

Product Specification: ListenIR Radiator (for LT-82 only)	
Controls	
User Controls	Termination Switch, Delay Compensation Switch, Indicator LEDs on/off, Compatibility Switch
Indicators	
Red LED	Indicates power is present.
Yellow LED	Indicates no connection to transmitter or radiator.
Green LED	Indicates carrier and power are present and radiator is emitting IR signal.
RF	
Frequency Range	1 MHz - 5 MHz
Input/s	BNC Connection. -25 dBm to -5 dBm input nominal
Output/s	BNC Connection. -15 dBu nominal
Coverage Area	10,000 ft ² (929 m ²) when used with Listen Receivers
Power	
Power Supply Input	RJ-45 connector. 30 VDC, powered from transmitter via CAT-5 cable or optional LA-205 power supply.
Power Supply Output	RJ-45 connector. 30 VDC, powers up to one additional radiator. (Maximum two radiators powered from each LT-82 transmitter or LA-205 power supply)
Emitter Power	3 W
Cable Length	250 ft. with (1) LT-82 and (2) LA-140 or 700 ft. with (1) LT-82 and (1) LA-140.
Physical	
Color	LA-140-GY (Grey), LA-140-WH (White)
Weight	2.1 lbs. (0.95 kg)
Weight (Loaded)	2.4 lbs. (1.09 kg)
Shipping Weight	6.0 lbs. (2.70 kg)
Height	5.50 in. (140 mm)
Width	8.00 in. (203 mm)
Depth	2.60 in. (66 mm)
Environmental	
Temperature - Operation	-14 °F (-10 °C) to +104 °F (40 °C)

Listen Technologies Corporation * 14912 Heritage Crest Way * Bluffdale * Utah 84065-4818 U.S.A.
+1.801.233.8992 * +1.800.330.0891 North America * +1.801.233.8995 Fax
Listen Technologies Corporation All rights reserved 91407 - Created Oct. 8, 2015

ListenIR Radiator (for LT-82 only)

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, Industry Canada, CE, RoHS