

REMOTE POWERING TECH NOTE

LT-84 Transmitter/Radiator Combo

OVERVIEW:

It may be necessary to remotely locate the LT-84 power supply if an AC outlet is not close to the LT-84 mounting position. There are two options available to remote power the LT-84. This Tech Note describes both options and outlines the distances that can be achieved and the number of Expansion Radiators (LA-141) that can be connected with each option.

OPTION 1: LPT-A117 Remote Power Supply Kit using CAT-5 Cable

This option requires the purchase of Listen's LPT-A117 remote power supply kit (MSRP \$9.99).



This kit converts the power supply barrel connector to an RJ-45 connector so standard CAT-5 cable can be used between the power supply and the LT-84 as shown below. The CAT-5 cable must be 24 AWG to achieve the distances listed in the table. This option can be used with a standalone LT-84 or an LT-84 with one LA-141 Expansion Unit.

See the following table:

Remote Powering the LT-84 using CAT-5 Cable		
	LT-84 Standalone	LT-84 plus (1) LA-141 Expansion Radiator
Maximum CAT-5 cable distance between the power supply and LT-84	100 ft. (30m.)	40 ft. (12m.)



OPTION 2: Remote Powering the LT-84 using Speaker Wire (14 AWG)

This option requires the purchase of connectors not supplied by Listen.

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Part Numbers: VE-CD017 and VE-CD018 (Terminal Plug Adaptors – Female and Male).



This option converts the power supply barrel connector to a terminal connector so standard 14 AWG speaker wire can be used between the power supply and the LT-84 as shown below. The speaker wire must be 14 AWG to achieve the distances listed in the table. This option can be used with a standalone LT-84, an LT-84 with one LA-141 Expansion Unit or an LT-84 with two LA-141 Expansion Units.

See the following table:

Remote Powering the LT-84 using Speaker Wire (14 AWG)			
	LT-84 Standalone	LT-84 plus (1) LA-141 Expansion Radiator	LT-84 plus (2) LA-141 Expansion Radiators
Maximum Speaker Wire Distance between the Power Supply and LT-84	400 ft. (122 m)	200 ft. (61 m)	125 ft. (38 m) **See note below

*** Each Expansion Radiator MUST be connected directly to its own dedicated RJ-45 output jack on the LT-84 main unit. You cannot daisy chain the Expansion Radiators when using this option.*



Should you have additional questions, please contact Listen Technologies at Support@Listentech.com or by calling 1-800-330-0890.