

LA-107 Ground Plane Remote Antenna (216 MHz)

***Don't miss a single sound.***





Dear Valued Customer,

Thank you for choosing Listen! All of us at Listen are dedicated to providing you with the highest quality products available. We take great pride in their outstanding performance because we care that you are completely satisfied. That's why we independently certify them to the highest quality standards and back them with a limited lifetime guarantee. We stand ready to answer any questions you might have during installation or in the operation of our products. Should you experience any problems whatsoever with your Listen products, we are ready to help you in any way we can with prompt, efficient customer care. Because at Listen, it's all about you! And should you have any comments on how we might improve our products or our service, we're here to listen.

Here's how to reach us:

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[support@listentech.com](mailto:support@listentech.com)

[www.listentech.com](http://www.listentech.com)

Thank you and enjoy your listening experience!

Best regards,

Russell Gentner and the Listen Team

- In the few instances where repairs were needed, 99% of all clients indicated that they were happy with repair turn-around-times and 85% of the time, clients were without their product for less than 10 days!
- Overall client satisfaction of working with Listen was rated 4.8 out of 5.
- "Please continue with your excellent attitude toward customer satisfaction. You guys are great!"
- "I've never had such good service from any company. Keep up the good work!"
- "You stand behind your product wonderfully."



## LA-107 Table of Contents

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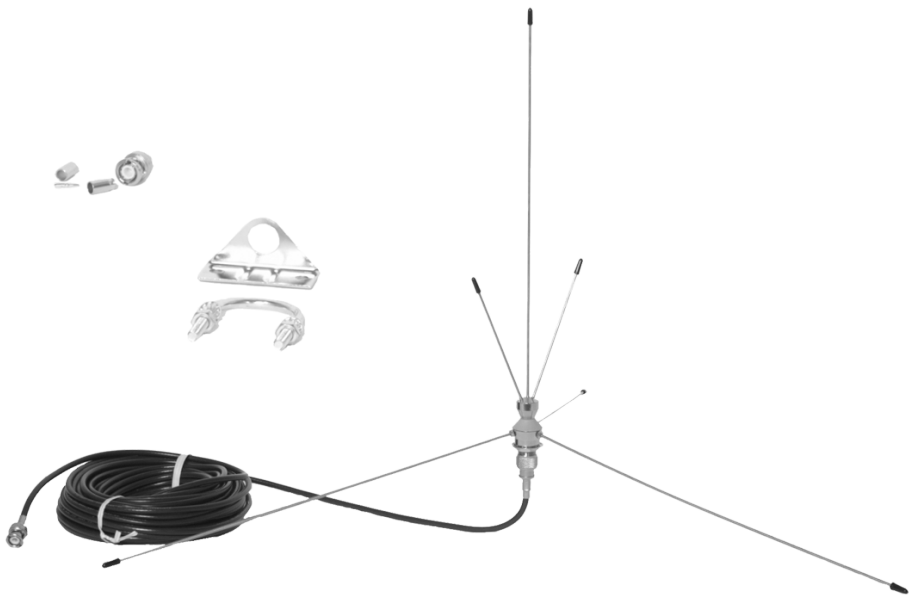
# LA-107 Package Contents & Specifications

LA-107 Contents

- Antenna base assembly
- Three ground radials
- Mounting Hardware
- 50 ft. (3 m) RG 58 coaxial cable with PL-259and LA-127 connectors
- Extra LA-127 connectors

Listen Part Number

LA-107 Ground Plane Remote Antenna (216 MHz)

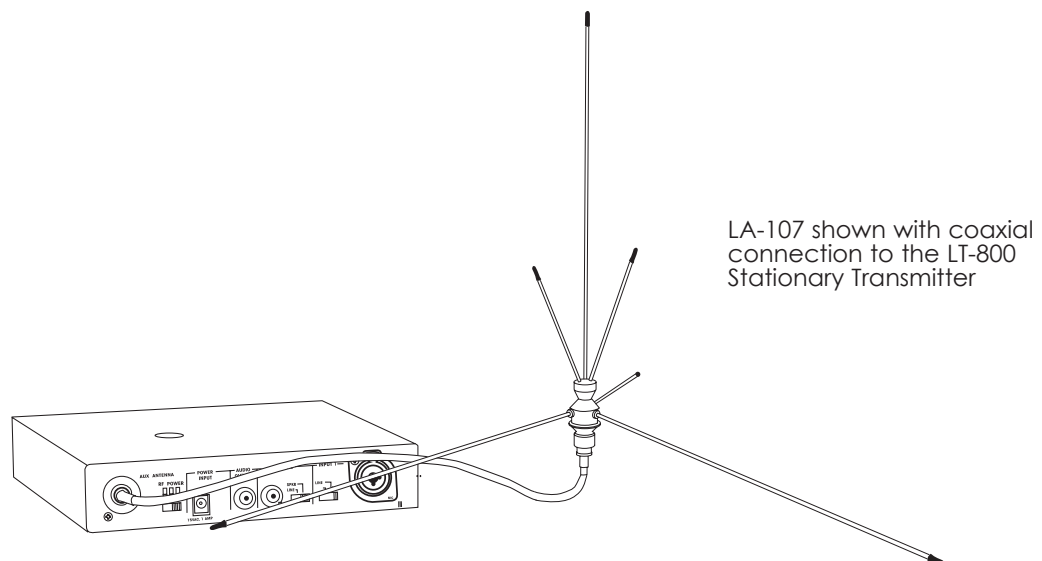


## LA-107 Specifications

Specifications	LA-107
Frequency Range	216.025 - 216.9875 MHz
Center Frequency	216.5 MHz
Antenna Type	1/4 Wave, Ground Plane
Unity Gain	0 dB (unity)
Beam Width	360°
Mounting	Mast Bracket up to 1.50 in. (4.0 cm) diameter
Size	13.50 in. (34 cm) base with 13.50 in. (34 cm) ground radials

# LA-107 Setup Instructions

- 1 Screw ground radials into antenna base assembly and secure with tightening nuts.
- 2 Mount your antenna in a strategic location. See “Mounting Your LA-107” on the following page.
- 3 Connect the PL-259 end of the coaxial cable to the base of the antenna.
- 4 Run the coaxial cable to the LT-800 transmitter and connect the LA-127 to the Auxiliary Antenna connection on the back of the unit. Additional coaxial cable is available from Listen if you need a length longer than the included 50 feet (15.24 m).
- 5 Listen recommends using RG8 cable for cable runs greater than 50 feet (15.24 m).

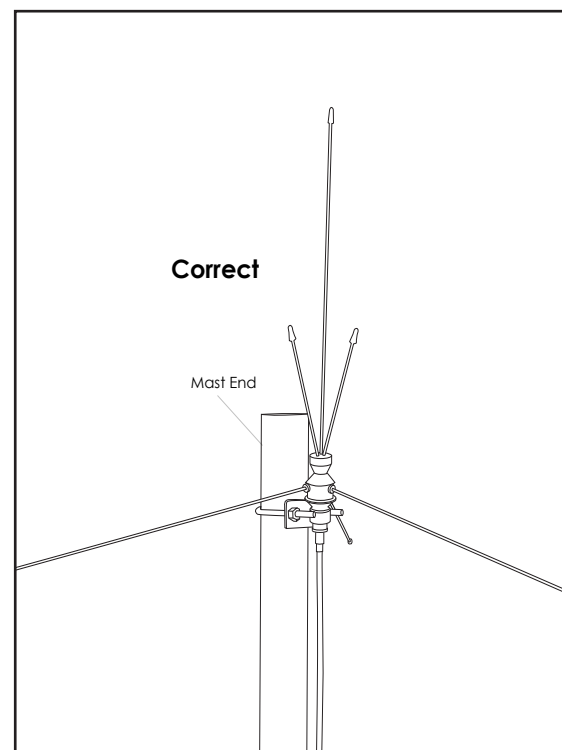
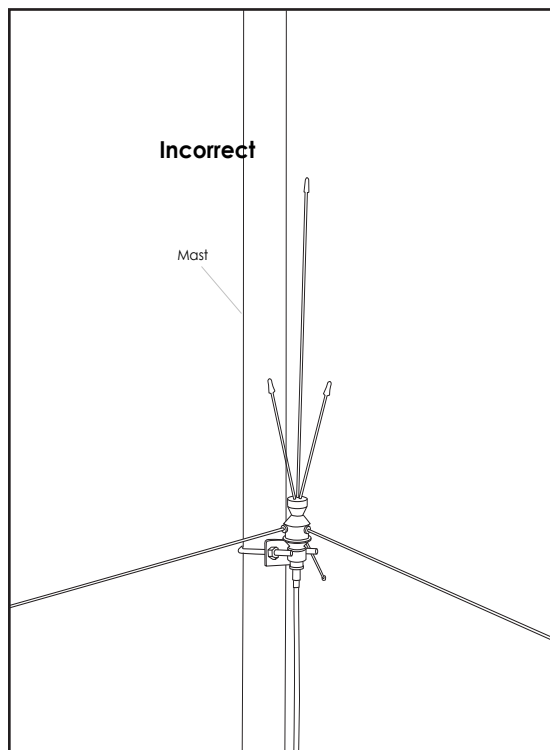




# LA-107 Setup Instructions (cont.)

## Mounting Your LA-107

- 1 Mount the antenna in a strategic location. Your antenna may be placed either indoors or outdoors. If mounted outside, the highest elevation should not exceed 100 feet (30.5 m). The antenna should be placed in a location that will provide the best line of sight to the receivers. Keep in mind that the higher you have the LA-107 mounted, the more range you will get out of your receivers.
- 2 The LA-107 includes a bracket that allows it to be mast mounted (vertical pole) up to 1.5 inches (4 cm) in diameter. This pole can be made of metal or plastic. However, if using a metal mast, the LA-107 should be isolated from the ground. It is very important that your mast does not extend above the antenna radiator. This will create interference and multi-path to the receiver.
- 3 Mount LA-107 away from power lines, telephone lines and metal surfaces.
- 4 For maximum range, your transmitter should be set to "High" RF power.
- 5 Run the coaxial cable from the antenna to your device, keeping the cable length as short as possible (see page 4, Shortening the Coaxial Cable if necessary). To optimize the efficiency of the LA-107, or to extend the length of your cable run, RG-8 can be used in place of RG-58.

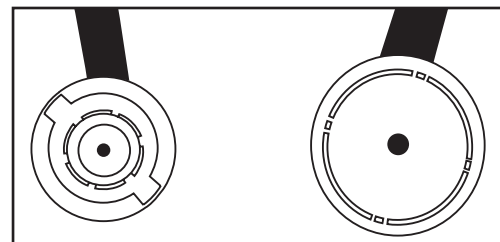
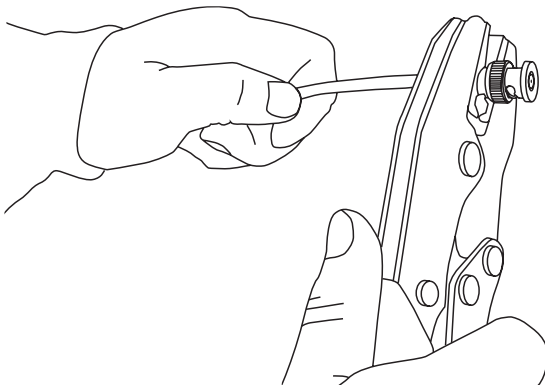


# LA-107 Setup Instructions (cont.)

## Shortening the Coaxial Cable (optional)

The coaxial cable from the LT-800 to the antenna should be kept as short as possible. You can purchase an LA-127 RG-58 BNC Connector from Listen, and install it if the length can be shortened.

- Cut coaxial cable to desired length leaving PL-259 connection.
- Strip back cable jacket 0.6 inches (15 mm).
- Strip back cable braid 0.25 inches (6.4 mm).
- Strip back cable dielectric 0.15 inches (4 mm).
- Slide outer ferrule onto cable.
- Slide male contact onto cable center conductor so that it butts against dielectric.
- Crimp male contact in place using crimp tool. Do not overcrimp.
- Fold braid back to allow the plug body assembly to slide under braid.
- push plug body on cable until center pin is flush with end of plug body.
- Slide outer ferrule over the braid and up against connector body.
- Crimp outer ferrule using crimp tool
- Check continuity of cable center conductor and sleeve to verify proper installation



LA-127 Connection      PL259 Connection

# Warranty & Contacting Listen

## Warranty

Listen Technologies Corporation (Listen) warrants its transmitters and receivers (LT-82, LT-700, LT-800, LR-100, LR-42, LR-44, LR-300, LR-400, LR-500, LR-600) to be free from defects in workmanship and material under normal use and conditions for the useful lifetime of the product from date of purchase.

Listen warrants its Stationary IR Radiators (LA-140) to be free from defects in workmanship and material under normal use and conditions for three years from the date of purchase.

Listen warrants its Noise Canceling Microphone (LA-270) to be free from defects in workmanship and material under normal use and conditions for one year from date of purchase.

Listen warrants its Charging/Carrying Cases (LA-306, LA-311, LA-313, LA-317, LA-318, LA-319, LA-320, LA-321, LA-322, LA-323, LA-324, LA-325) to be free from defects in workmanship and material under normal use and conditions for one year from date of purchase.

All other products and accessories are warranted for 90 days from date of purchase.

This warranty is only available to the original end purchaser of the product and cannot be transferred. Warranty is only valid if warranty card has been returned within 90 days of purchase. This warranty is void if damage occurred because of misuse or if the product has been repaired or modified by anyone other than a factory authorized service technician. Warranty does not cover normal wear and tear on the product or any other physical damage unless the damage was the result of a manufacturing defect. Listen is not liable for consequential damages due to any failure of equipment to perform as intended. Listen shall bear no responsibility or obligation with respect to the manner of use of any equipment sold by it. Listen specifically disclaims and negates any warranty of merchantability or fitness of use of such equipment including, without limitation, any warranty that the use of such equipment for any purpose will comply with applicable laws and regulations. The terms of the warranty are governed by the laws of the state of Utah.

In the first ninety days after purchase, any defective product will be replaced with a new unit. After 90 days, Listen will, at its own discretion either repair or replace transmitters and receivers with a new unit or a unit of similar type and condition. Product that is not covered under warranty shall be repaired or replaced with a unit of similar type and condition based on a flat fee. Contact Listen for details.

This limited warranty, prices and the specifications of products are subject to change without notice.

## Contacting Listen

If technical service is needed, please contact Listen. Pre-authorization is required before returning Listen products. If products were damaged in shipment, please contact the carrier, then contact Listen for replacement or repair requirements payable by the carrier.

Listen's corporate headquarters are located in Bluffdale, Utah U.S.A. and are open Monday through Friday, 8am to 5pm Mountain Time.

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