

Stationary Unit Antennas and Connectors

Listen®

www.ListenTech.com

Listen's goal to make wireless audio simple, just took another leap forward with the LA-122 Universal Antenna Kit. Now you specify, order, and install the remote antenna for your installation with one part number! But don't despair, if you don't need to remote the antenna – Listen still carries telescoping, helical (aka "rubber ducky"), rack mount and ground plane antennas, and has added a 90 Degree Helical option as well. Listen is your wireless audio solution with easy antenna installation.

Universal Antenna Kit

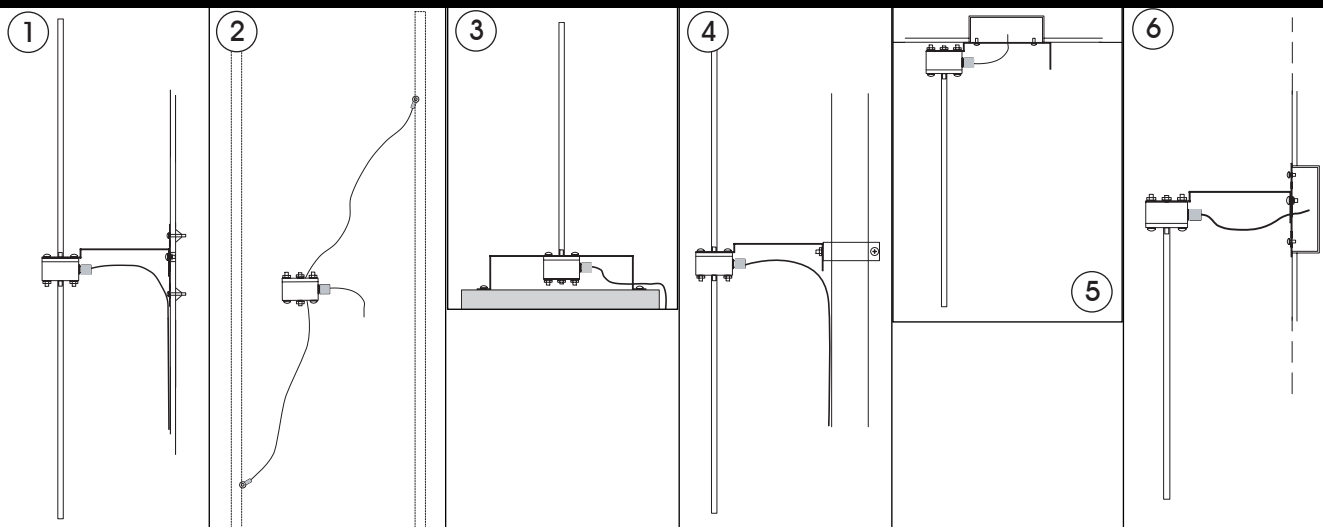
Part Number: LA-122

- Includes both 72MHz and 216MHz antennas
- Monopole and dipole antenna options included
- Rigid and flexible radials are included
- All hardware to mount on a wall, on electrical boxes, on a horizontal surface (flat and inverse), inside a wall or ceiling is included

Specifications: 72MHz Frequency: 72.0 to 76.0MHz. 72MHz Center Frequency: 73.5MHz.
216 Frequency: 216.0 to 217.0MHz. 216MHz Center Frequency: 216.5MHz.
Connectors: RG58 BNC. **Cable:** 25 ft (6.3m) RG58 coax.
Antenna Radials: Rigid and flexible. **Weight:** 4.4 lb (2kg).
Shipping Weight: 4.4 lb (2kg).



Mounting Possibilities



1. Wall mount dipole* or monopole
2. Flexible dipole (in a wall or rafter area)
3. Horizontal surface monopole (up or down)
4. Mast or conduit mount
5. Electrical box monopole inverse ceiling mount
6. Electrical box wall mount dipole* or monopole (Single or double gang)

*Dipole antenna configuration recommended for bet range/coverage. Should be oriented vertically for best results. Not weather proof or wind resistant. All of this and other information is available at www.ListenTech.com



Don't miss a single sound.

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Helical ¼ Wave Antenna

Part Number: LA-101 (72MHz)

- Easy to install
- Mounts through top of LT-800
- Low profile clearance
- Doesn't provide as good of coverage as a telescoping or remote base antenna
- Use with Listen's LT-800-072 Transmitter



Shown installed on the LT-800

Specifications: Frequency: 72MHz. Length: 9.0 in (23.0cm).
Diameter: 0.25 in (1.3cm). Weight: 6 oz (170g). Shipping Weight: 6 oz (170g).

Telescoping ¼ Wave Antenna

Part Number: LA-102 (216MHz) or LA-106 (72MHz)

- Mounts through top of LT-800
- Better coverage than helical antenna
- Requires 40 in (1.0m) clearance for 72MHz and 14 in (35.6cm) for 216MHz



Shown installed on the LT-800

Specifications: Frequency: 72MHz (LA-102) and 216MHz (LA-106).
Length: 40 in (1m). Diameter: 0.25 in (6.4mm). Weight: 10 oz (284g).
Shipping Weight: 10 oz (284g).

90 Degree Helical ¼ Wave Antenna

Part Number: LA-123 (72MHz) or LA-124 (216MHz)

- Easy to install
- Rear mounts directly on Listen's LT-800 Stationary Transmitter
LR-100 Stationary Receiver / Power Amplifier or LR-600 Wireless
Speaker / Receiver
- Can be used as a remote antenna



Shown installed on
the LR-600

LA-123 Specifications: Frequency range: 72.0 - 76.0 MHz.
Center Frequency: 73.5 MHz.
Length: 9.2 in (23cm).

Connector Orientation: 50 Ohm BNC 90 degree vertical

LA-124 Specifications: Frequency range: 216.0 - 217.0 MHz. Center Frequency: 216.5 MHz.
Length: 5.0 in (12.7cm). Connector Orientation: 50 Ohm BNC 90 degree vertical.

*should be oriented vertically for best results

Flexible Dipole Antenna

Part Number: LA-116 (72MHz) or LA-117 (216MHz)

- Easy to install
- Flexible coaxial cable antenna
- Can be mounted on a wall, placed in a drop ceiling, or anywhere else it is needed.

LA-116 Specifications: Frequency range: 72.0 - 76.0 MHz. Center Frequency:
73.5 MHz. Connector: 50 Ohm BNC Coax: 25 feet
(7.6M) feed, 39 in (99cm) aerial and ground radials.

LA-117 Specifications: Frequency range: 216.0 - 217.0 MHz. Center Frequency: 216.5 MHz.
Connector: 50 Ohm BNC Coax: 25 feet (7.6M) feed, 13 in (33cm) aerial and ground
radials.



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Antenna Kit for LA-326 Rack Mount Kit

Part Number: LA-125 (72MHz) or LA-126 (216MHz)

- Adapts LA-326 to become an antenna rack mount.
- Includes 90 Degree Helical Antenna (LA-123 or LA-124).
- You must order the LA-326 Rack Mount Kit separately, or you can use the kit to build your own antenna.



Ground Plane Antenna

Part Number: LA-107 (216MHz)

- Totally weather proof and can withstand high winds
- ¼ wave antenna designed for outside mast or conduit mounting
- Use with Listen's LT-800-216, LR-100-216 or LR-600-216

Description: Includes bracket for remote mounting, 50 ft (15.2m) RG58, 50 Ohm coaxial cable (LA-112).

Specifications: **Frequency:** 216MHz. **Length:** 17.5 in (44.5cm).
Diameter: 30 in (76cm). **Weight:** 16 oz (454g).
Shipping Weight: 16 oz (454g).

Accessories: LA-108 Reverse BNC Male Connector for RG58 Coaxial Cable, LA-112 RG58 Coaxial Cable, LA-113 RG8 Low Loss Coaxial Cable, LA-121 BNC Connector Adapter, LA-127 for RG58 Coaxial Cable, BNC Connector for RG8 Coaxial Cable, LA-128 BNC Connector for RG8 Coaxial Cable



All Listen REMOTE ANTENNAS use standard BNC connectors. Please note that per FCC rules, the LT-800-072 RF Connector must be a non-standard connector. Since ALL REMOTE ANTENNAS (including 72 MHz) have now been converted to standard BNC connectors, we are now providing an adapter at no charge that converts the reverse BNC of the LT-800-072 to standard BNC with each transmitter.

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Connectors and Cable

BNC Adapter

Part Number: LA-121

- As per FCC regulations the LT-800-072 Transmitter rear antenna connection has a non-standard BNC connector
- Listen provides the LA-121 adapter with every 72MHz transmitter at no charge to easily convert the antenna connection to a standard BNC for REMOTE antennas
- The LA-121 is not necessary for the LT-800-216



Installation of BNC Connectors

Part Number: LA-114

- Service charge for Listen to terminate your coaxial cable
- Purchase coax cable and connectors separately



RG58 Coaxial Cable

Part Number: LA-112

- Recommended for coax runs less than 100 ft (30.5m) at 72MHz or 50 ft (156m) at 216MHz
- Minimum order of 20 ft (6.1m)

Specifications: Impedance: 50 Ohms. 72MHz Signal Loss Rate: 1-2dB per 100 feet (30.5m).
216MHz Signal Loss Rate: 3-5dB per 100 feet (30.5m).



RG8 Low Loss Coaxial Cable

Part Number: LA-113

- Recommended for coax runs greater than 100 ft (30.5m) at 72MHz or 50 ft (156m) at 216MHz
- Minimum order of 20 ft (6.1m)

Specifications: Impedance: 50 Ohms. 72MHz Signal Loss Rate: 2dB per 100 feet (30.5m).
216MHz Signal Loss Rate: 3dB per 100 feet (30.5m).



BNC Connector for RG58

Part Number: LA-127

- BNC connector for RG58 coaxial cable
- Crimp style
- Order LA-114 to have 2 of these connectors installed on RG58 cable (LA-112)
- Order coax cable separately



BNC Connector for RG8

Part Number: LA-128

- BNC connector for RG8 coaxial cable
- Crimp style
- Order LA-114 to have 2 of these connectors installed on RG8 cable (LA-113)
- Order coax cable separately



Reverse BNC Male Connector for RG58

Part Number: LA-108

- BNC connector for RG58 coaxial cable
- Crimp style
- Order LA-114 to have 2 of these connectors installed on RG58 cable (LA-112)

