



StarLink Remote Antenna Kits

For StarLink SLE Fire Series UL Listed Communicators

Installation Instructions

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<http://tech.napcosecurity.com/>

(Note: Technical Service is for security professionals only)
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The **StarLink Remote Antenna Kits** are designed to increase LTE cellular transmission signal strength by providing a weatherproof exterior antenna option for the StarLink SLE Fire Series UL Listed communicators. The kits include a dual wide band, 4-9dBi omnidirectional indoor / outdoor antenna that provides improved signal performance in weak cellular signal areas. The antenna is foam filled for vibration stabilization and long lasting performance in extreme conditions. Each antenna includes an L-bracket with stainless steel nuts and U bolts for pole mounting (up to 2" diameter poles). Also included in the kit is the **SLE-ANTEXT-ISO** non-conductive mounting plate that is used in commercial fire applications to ground-fault isolate the antenna (see reverse). The kits include stainless steel coated cable clamps and low loss, interconnecting coaxial cables of differing length that connect the antenna to the standard SMA female threaded connector included with all StarLink communicator models.

Technical Specifications

Radiation Pattern	Omni-Directional
Gain	4 - 9dBi
Bandwidth	VSWR: <1.5: 1 = 695 - 3000 MHZ in all 3G & 4G Bands
	VSWR: <2.0: 1 = 695 - 3000 MHZ
Impedance	50 Ω
Max. Input Power	50 watts
Installation	Included L-bracket with U-bolts for up to 2" diameter pole; SLE-ANTEXT-ISO ground fault isolation plate; stainless steel coated cable clamps, stainless steel #10 screws and washers
Dimensions	8 ⁷ / ₈ " (225 mm) Length x 2 ³ / ₈ " (60 mm) od
Exterior Finish	White, UV stable
Weight	10 oz.
RF Connector	Type N Female
PIM	-155dBc
Polarization	Vertical
Wind Rating	> 110 MPH
Warranty	36 months
Environments	Indoor / outdoor use

Features

- Compact design
- UV stable polyurethane finish
- Vibration stabilized foam filled
- Excellent 700 MHZ LTE performance
- Universal applications

Ordering Information

- **SLE-ANT** - Antenna only, white UV-stable finish
- **SLE-ANTEXT30** – 30' Remote Antenna Kit, Includes **SLE-ANT** Antenna, stainless steel coated cable clamps, stainless steel #10 screws and washers, 30' LMR 300 Coax Type N male to SMA male terminated cable. Also includes one (1) SMA female to TNC male adapter for use with competitive communicators.
- **SLE-ANTEXT50** - Same as above*, but includes 50' LMR 300 Coax Type N male to SMA male terminated cable
- **SLE-ANTEXT75** - Same as above*, but includes 75' LMR 400 Coax Type N male to SMA male terminated cable
- **SLE-ANTEXT100** - Same as above*, but includes 100' LMR 400 Coax Type N male to SMA male terminated cable
- **SLE-ANTEXT04** - Same as above*, but includes 4' LMR 300 Coax Type N male to SMA male terminated cable. Ideal for installations that may require a few extras dBs of gain but running the external cable may not be practical.

*All kits include one (1) SMA female to TNC male adapter



SLE-ANT
(Antenna only, white UV-stable finish)

Included Hardware

- | | |
|---|--|
|  | Stainless Steel Coated Cable Clamps |
|  | 1" x #10 Stainless Steel Screws
Phillips Pan Head, Type A |
|  | #10 Stainless Steel Washers |
|  | (1) SMA Female to TNC Male Adapter
For use with competitive communicators |
|  | (4) Stainless Steel 1/2" x #8 Screws
Phillips Pan Head, Hi-Low |
|  | (4) Stainless Steel #8 Washers |

Installing the StarLink Remote Antenna

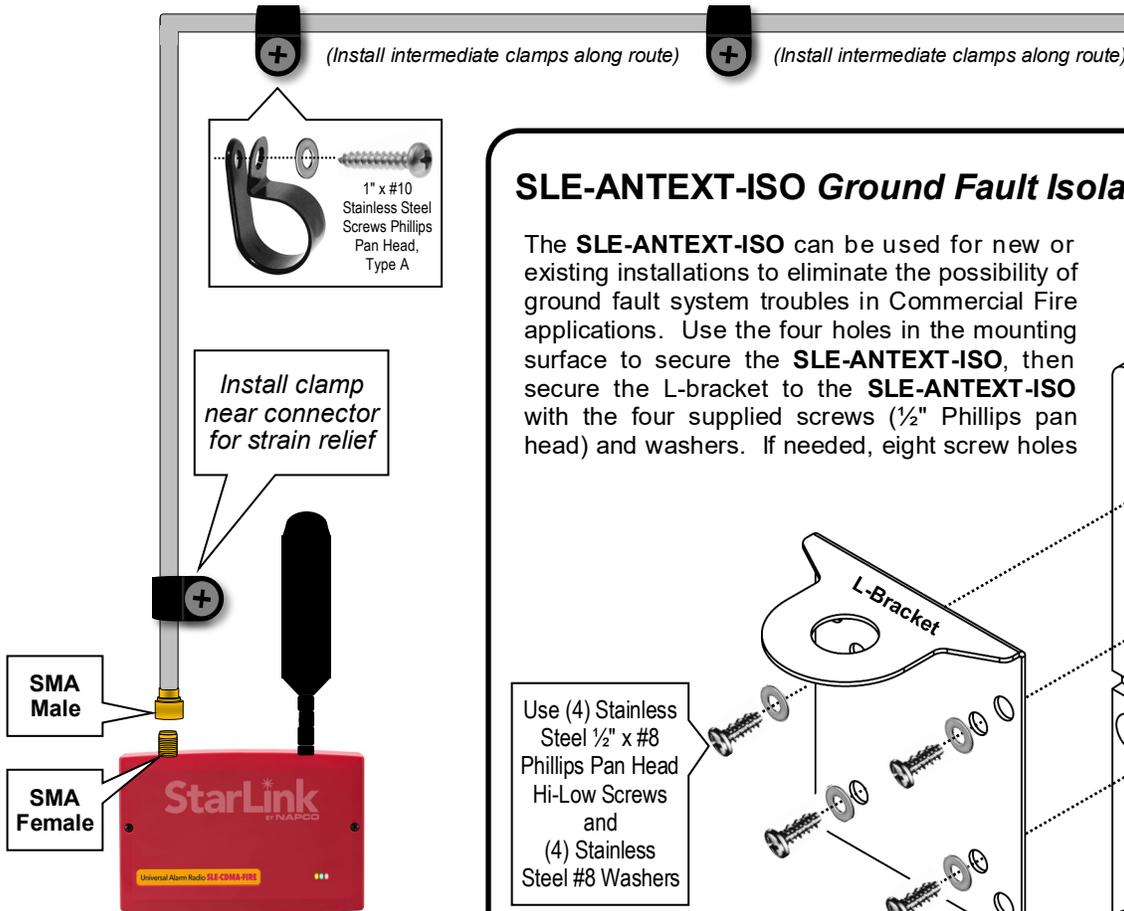
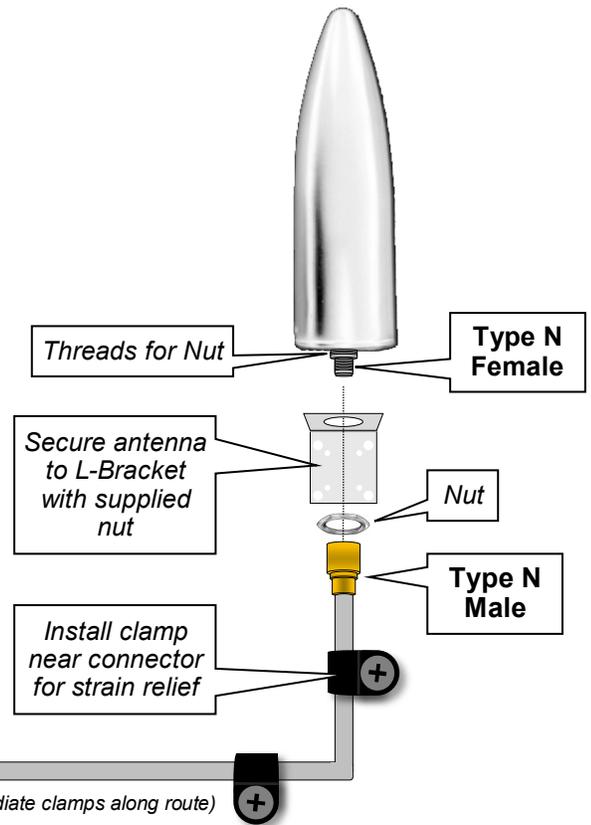
Attach the antenna L-bracket to an interior or exterior wall of the building. If necessary, the bracket may be mounted to a pole up to 2" in diameter. If installing on a commercial fire communicator, the included **SLE-ANTEXT-ISO** ground fault isolation plate should be used (see below).

To achieve optimum performance, the antenna must be placed at the highest possible elevation.

Run the coaxial cable between the communicator and the antenna, securing it with the provided stainless steel coated clamps and stainless steel screws and washers. *It is important that a cable clamp be placed near the antenna connector, as shown below.*

Connect the coaxial cable to the left antenna connector of the StarLink LTE communicator, as shown below. The right hand antenna can be left in place.

IMPORTANT: DO NOT ALTER OR ADD COAXIAL CABLE! DO NOT PLACE ANTENNA WITHIN FOUR (4) FEET OF OTHER LARGE METAL OBJECTS.

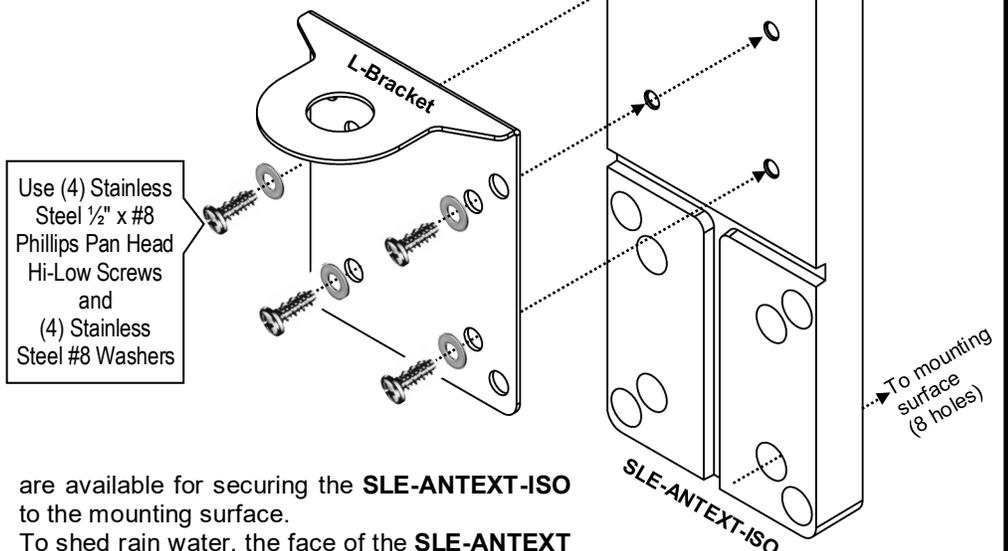


For use on LTE Communicators

Connect extended antenna to the left (SMA female) connector (the right LTE antenna supplied with the communicator can be left in place).

SLE-ANTEXT-ISO Ground Fault Isolation Plate & L-Bracket

The **SLE-ANTEXT-ISO** can be used for new or existing installations to eliminate the possibility of ground fault system troubles in Commercial Fire applications. Use the four holes in the mounting surface to secure the **SLE-ANTEXT-ISO**, then secure the L-bracket to the **SLE-ANTEXT-ISO** with the four supplied screws ($\frac{1}{2}$ " Phillips pan head) and washers. If needed, eight screw holes



are available for securing the **SLE-ANTEXT-ISO** to the mounting surface.

To shed rain water, the face of the **SLE-ANTEXT-ISO** includes grooves, and its angled top should always be mounted so that rainwater runs AWAY from the installed L-bracket, as shown.