

Installation Sheet

LTE-XPOL-001

790-960 / 1710-2170 / 2500-2700 MHz

LTE MIMO OMNI-DIRECTIONAL ANTENNA

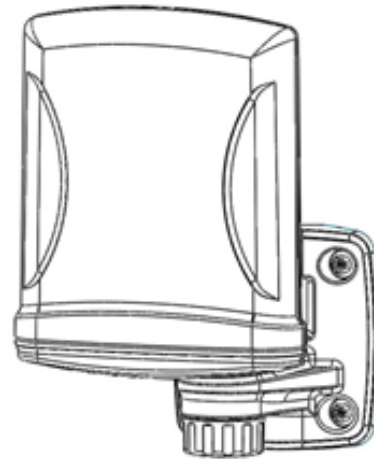


Thank you for purchasing this RFI antenna. This antenna provides an innovative and future proof solution for 4G / 3G and 2G networks. It incorporates two separately fed ultra wideband elements in a single housing which provide Multiple Input/Multiple Output (MIMO) for the networks of today and tomorrow. The weatherproof housing is designed for window, pole or wall mounting and comes with dual 5m low loss cables terminated with SMA male connectors.

CONTENTS

Before installing your antenna, please check that the kit includes all the following components.

- 1 x antenna with dual 5m low loss cables terminated with SMA male connectors
- 1 x mounting bracket
- 1 x hose clamp
- 4 x suction cups
- 4 x suction cup mounting pins
- 4 x wall screws



INSTALLING THE ANTENNA

Mounting Location

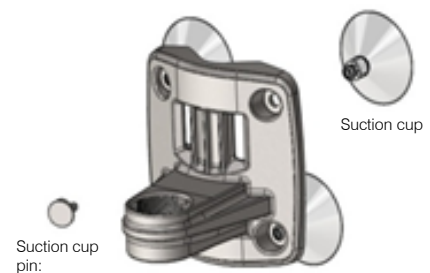
To get optimum performance from the antenna it should be mounted as high as possible, clear of any obstructions. **For maximum signal, we recommend external mounting to reduce signal losses caused by building structures etc.**

The antenna is supplied with a bracket (see picture 1) which allows for 3 different mounting options:

- Window suction
- Wall mounting
- Pole mounting

Window mounting

- Place each of the four suction cups through the holes in the bracket.
- Insert the suction cup pins from the front of the bracket into the holes.



PICTURE 1

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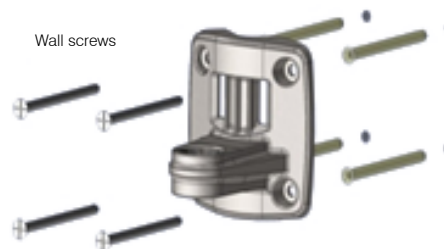
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Wall mounting

- Use the mounting bracket as a template to mark out the four screw holes. If mounting into masonry, use a 6mm masonry drill bit to drill four holes.
- Place the bracket over the four holes and line up the holes in the bracket with those in the wall. Place the four knock-in screws into the holes and drive in the screws using a screw driver and hammer. (see picture 2)

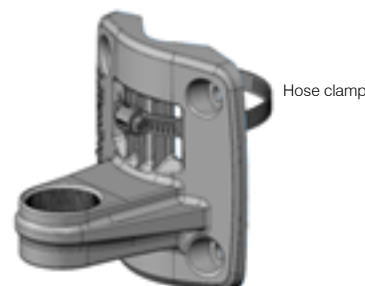


PICTURE 2

Pole mounting

The included pole mount bracket allows for the antenna to be mounted on a typical television antenna type hockey stick mount or any other vertical pole (maximum diameter of 50mm).

- Unscrew the hose clamp so it can be opened up.
- Insert the hose clamp through the bracket (see picture 3). Now place the hose clamp around the pole and tighten the screw on the hose clamp until the bracket is secured to the pole (see picture 4).



PICTURE 3

CONNECTING THE ANTENNA

- Connect the antenna cables (terminated with SMA type connectors) to 4G data card or modem. For devices using other connector types, 2 x patch leads (optional / not included) will be required to connect the antenna (SMA) to the device (phone or data card). Please contact your retail or network provider for availability.
- Connect the data card or modem to your computer and follow the manufactures instructions to open the management software so that the screen shows the received signal strength. You may need to turn off your system and power up again after you have connected the antenna.

IMPORTANT: Some data cards or modems will only detect the connector of an external antenna on power up.

NOTE: Signal strength may be displayed either graphically with bars where more bars mean stronger signal strength or as a signal level value in dBm where the closer to 0 (zero), the better. For example, a signal level of -75dBm is better than a signal level of -85dBm.

COMPLETING THE INSTALLATION

Please check the following on completion of the installation:

- Ensure all cable connections are tight
- Ensure all screws / nuts are tight.
- Ensure the cables between the antenna and the device have been routed in a safe manner and is not a future hazard around the home or workplace.



PICTURE 4