

BULLDOG

Installation Instructions



The Bulldog PRO Series antenna is perfect for in-building applications. It is available with up to 4X4 MIMO LTE, 5G, CBRS, LTE LAA, and WiFi. It is inconspicuous and blends in with the ceiling of almost any room. This 2x2 foot antenna only hangs out about two inches from the ceiling. Mounting an antenna on the ceiling eliminates the problem of poor RF from metal obstructions in the closet.

REQUIRED TOOLS

Hammer / Rubber Mallet

Drill

Phillips Screwdriver

Mounting the Antenna

Step 1.

For best performance it is important that the antenna is mounted on a conductive panel. Select a location that is at least 1 foot, or as far as possible, from any other ceiling mounted items such as antennas, light bars, etc. in order to avoid any detuning or interference issues.

Step 2.

Choose the mounting location and take out the existing ceiling tile. Lift the Bulldog through the grid and place it on top of the grid. If the ceiling tile is 2'x4', cut the ceiling tile to half the length and mount it back.

Step 3.

Route the coaxial cables from the antenna through the false ceiling to the router. Maintain a minimum bend radius of 0.5" and avoid sharp bends. Run the cables adjacent to the existing wiring. Avoid routing cables in front of any moving devices.

Cable Connection Instructions

Note: SMA connectors have a **maximum** torque of 3-5 inch lbs.

Wire name on antenna	Pin Type	Connected to connector on router	Pin Type
LTE-1	SMA- plug	MAIN 0	SMA- jack
LTE-2	SMA- plug	AUX 0	SMA- jack
LTE-3	SMA- plug	MAIN 1	SMA- jack
LTE-4	SMA- plug	AUX 1	SMA- jack
LTE-5	SMA- plug	MAIN 0, 2 nd modem	SMA- jack
LTE-6	SMA- plug	AUX 0, 2 nd modem	SMA- jack
LTE-7	SMA- plug	MAIN 1, 2 nd modem	SMA- jack
LTE-8	SMA- plug	AUX 1, 2 nd modem	SMA- jack
GPS	SMA- plug	GPS	SMA- jack
WiFi-1	RP-SMA- plug	2.4/5GHz, left gold	RP-SMA- jack
WiFi-2	RP-SMA- plug	2.4/5GHz, right gold	RP-SMA- jack
WiFi-3	RP-SMA- plug	5GHz, left gold	RP-SMA- jack
WiFi-4	RP-SMA- plug	5GHz, right gold	RP-SMA- jack

Notices:

	<p>CAUTION To comply with FCC RF Exposure requirements in section 1.1310 of the FCC Rules, antennas used with this device must be installed to provide a separation distance of at least 20 cm from all persons to satisfy RF exposure compliance.</p>
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	<p>DO NOT</p> <ul style="list-style-type: none">• Operate the transmitter when someone is within 20 cm of the antenna.• Install antenna or mast assembly on a windy day
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	<p>WARNING Watch out for overhead power lines. Check the distance to the power lines before starting installation.</p>
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	<p>WARNING This document gives the detailed instructions to install an antenna to the best of our knowledge. This document is for general information only. It cannot be used as a warranty. Parsec Technologies, Inc. will not accept any liability for any damage caused by an antenna due to unknown variables.</p>
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