

**BlueTOAD™ Roadside Bluetooth™ Sensor Equipment
AC Power Configuration**

BlueTOAD Installation Guide

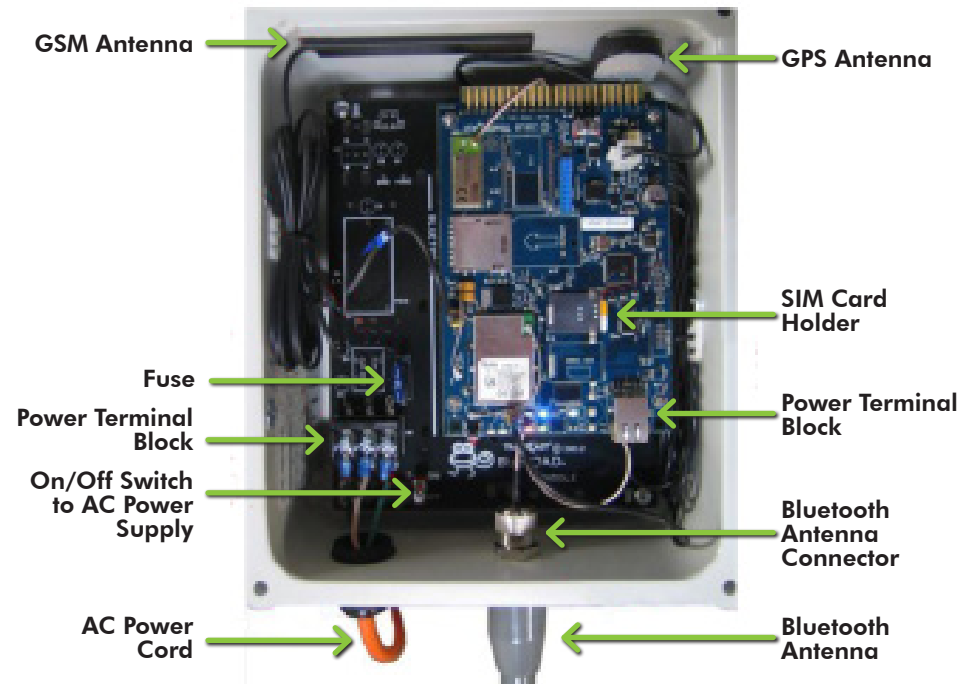
**Customer Support
1-608-268-3941**



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BlueTOAD Sensor Equipment Components



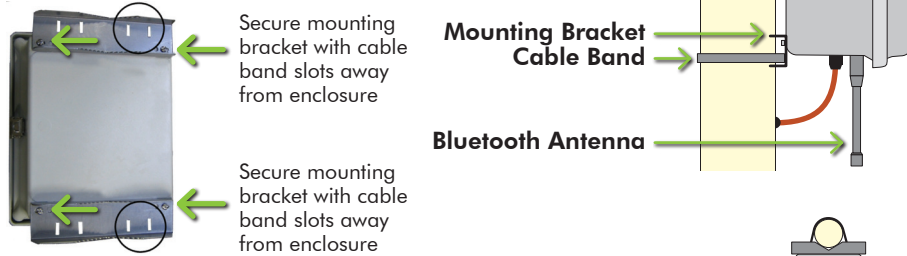
BlueTOAD Unit Mounting How-To Basics

Category	Recommended Requirements
Mounting structure	Lamp or signal poles (BlueTOAD ~ 12 lbs.)
Height	Clear immediate obstacles - 10' – 14' ground clearance ideal
Antenna Clearance	The device should be mounted such that the external Bluetooth antenna is as unobstructed as possible and so that it has a clear line of sight to the target road segment
Antenna Alignment	Use the BlueTOAD front cover (enclosure door face) as an antenna reference.
	If the BlueTOAD unit is mounted on side of the road, place front cover parallel to the road.
	If the BlueTOAD unit is mounted on the center median, place the front cover perpendicular to the road.

BlueTOAD Installation Guide

1 Mount BlueTOAD NEMA Enclosure to Structure

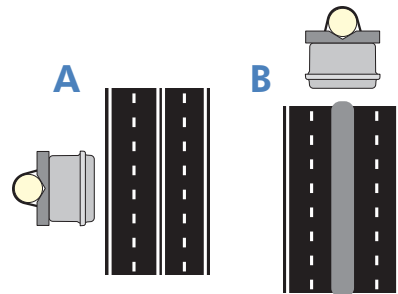
The BlueTOAD standard unit package includes two (2) mounting brackets and two (2) metal cable bands designed for mounting on, poles, I-Beams, or support structures up to a 14" diameter.



BlueTOAD Unit Intersection or Roadside Alignment

Alignment A: For roadside install, Front Cover mounted parallel to roadway.

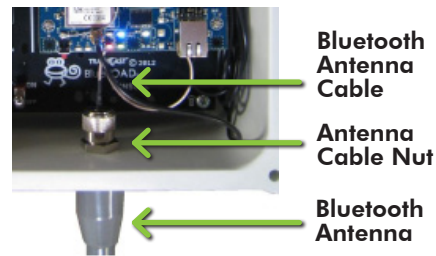
Alignment B: For center median install, Front Cover mounted perpendicular to roadway.



2 Connect Bluetooth Antenna

Attach Bluetooth Antenna. **Take extra precaution not to detach the cable from the connector on the BlueTOAD PCB.**

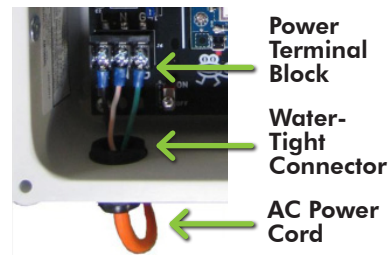
1. Secure antenna with N-Type Nut on inside of enclosure.
2. Connect Bluetooth cable to antenna.
3. Hand-tighten (with most connectors and antennae, hand-tension is preferred).



3 Install AC Power Cable

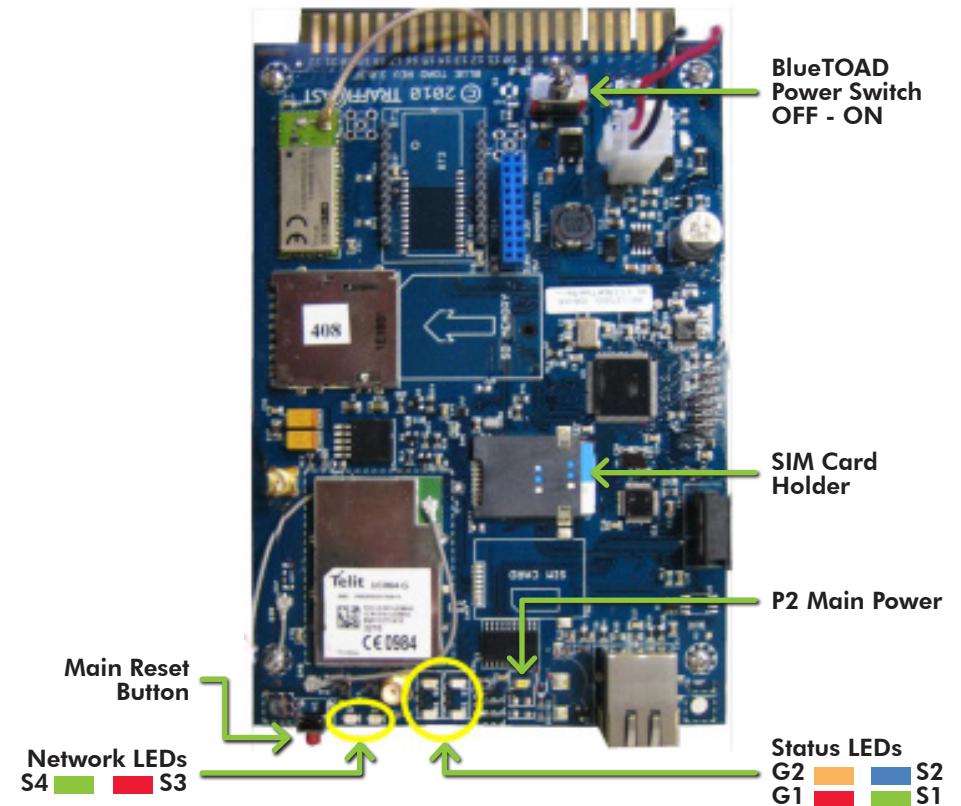
To connect AC power,

1. Pull power cord through water-tight connector.
2. Connect (Line, Neutral, and Ground) to corresponding terminal.
3. Tighten water-tight connector.



4 Turn ON BlueTOAD Unit

To turn ON the BlueTOAD unit, flip the main On/Off Switch to the ON position.



LED	Color	At Initial Start-up	At Normal State (May take up to 5 minutes)
P2 - Main Power	White	Solid	Blink - 1 time per 3 seconds
S1 - Boot	Green	Blink - 4 times per second	Blink - 1 time per 3 seconds
S2 - Bluetooth	Blue	Off	Blink - 3 times per 3 seconds
G1 - Cell Modem	Red	Solid when Modem is ON	
G2 - Network Connect	Amber	Off	Blink - 1 time per 3 seconds
S3 - GPS	Red	Off	Blink - 3 times per 3 seconds
S4 - Cellular Signal Strength	Green	Off	Solid - SS > -60 dBm