

JAM RESISTANT GPS ANTENNA "BULLET ANTENNA" FOR SATLINK1



OPTION 1: JAM-RESISTANT GPS ANTENNA

The Bullet Antenna is recommended for applications where interference near the GPS frequency band might cause jamming or loss of GPS reception. The antenna is also suited for marine environments and any application where a more rugged antenna is required. This antenna has a TNC connector allowing the use of special length cables where required. (Mounting hardware not included.)

Order Sutron Part #5000-0170

OPTION 2: MOUNTING KIT FOR JAM-RESISTANT GPS ANTENNA

This kit is designed to mount to existing Uni-Strut type mounting arms used at many stations. Included are a 4 inch stainless steel threaded pipe with a pair of Uni-Strut mounting brackets with hardware for mounting to a Uni-Strut tower arm. (This kit does not include the Uni-Strut arm on the tower, see below.)

Order Sutron Part #6211-1209-1

OPTION 3: TOWER MOUNT ARM (UNI-STRUT SOLID WALL) FOR GPS ANTENNA

Length is 38 inches. Plating is Hot Dipped Galvanized. Remember to place the antenna in an open sky view location, i.e. away from the tower as much as possible.

Order Sutron Part #2271-1061-1

OPTION 4: ANTENNA CABLE FOR GPS ANTENNA

A low-loss RG-59 cable is provided with a TNC-male connector on one end and an SMA-male on the other end. Two lengths are available although the 5 meter is the preferred length if the extra length is not necessary:

5 Meter Length

Order Sutron Part #6411-1561-1

10 Meter Length

Order Sutron Part #6411-1561-2

FAQs

For maximum possible unattended lifespan when installing your station, please consider these FAQs. The GPS Bullet Antenna is a viable option...

1. ...when the cable length of the magnet mount antenna is not sufficient, the Bullet Antenna should be used. The new standard cable lengths for this antenna are 5 or 10 meters. (There is sufficient gain to go further although not supported.)
2. ...when an application requires a more robust cable (i.e., direct exposure to the elements), this antenna option provides a UV-rated cable approximately 0.3 inches in diameter.
3. ...in heavy urban environments or when nearby transmitters may overload a standard mag antenna, the Bullet inside filtering helps with interference issues.
4. The Bullet Antenna should be used in any location where the antenna must be mechanically mounted. Application examples include buoys, towers, ocean exposure, or anywhere with high winds or other problems that might move a magnetic antenna.



Can I still use the standard magnetic antenna?

Yes, the standard magnetic antenna is still a good performer. When mounting the standard antenna, consider:

1. Conduit for the tiny cable if there is direct outdoor exposure. The small size of the cable can allow for rodent damage or damage from branches rubbing, etc if installed directly.
2. Mount the antenna so it may be protected from any weather events that may dislodge the antenna.

Different installation conditions may require other adjustments or options. Please contact Sutron Sales or Customer Service if you have any questions, (703)406-2800.