

GPS Jam-Resistant Bullet Antenna



Maximize the unattended life cycle of your station. The GPS Bullet Antenna is a viable option...

1. ...when magnet mount antenna cable length is not sufficient. New standard cable lengths for this antenna are 5 or 10 meters. (There is sufficient gain to go further although it's not supported.)
2. ...when an application requires a more robust cable (i.e., direct exposure to the elements), this antenna provides a UV-rated cable about 0.3 inches dia.
3. ...in urban environments or when nearby transmitters may overload a standard mag antenna, the Bullet inside filtering reduces interference.
4. ...where the antenna must be mechanically mounted. Application ex: buoys, towers, ocean exposure, anywhere with high winds or problems that might move a magnetic antenna.

Can I still use the standard magnetic antenna?

Yes, the standard antenna is ideal for many applications. Considerations:

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 to protect it from weather events that may dislodge it.
3. Different installation conditions may require other adjustments or options.

Questions? Contact Sales or Customer Service, (703)406-2800.

Option 1: JAM-RESISTANT GPS ANTENNA Part #5000-0170

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.)

Option 2: MOUNTING KIT FOR GPS ANTENNA Part #6211-1209-1

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.)

Option 3: TOWER MOUNT ARM (UNI-STRUT SOLID WALL) Part #2271-1061-1

38 inches long. Hot Dipped Galvanized plating. Place the antenna in an open sky view location, i.e. away from the tower as much as possible.

Option 4: ANTENNA CABLE FOR GPS ANTENNA

Low-loss RG-59 cable is provided with a TNC-male connector on one end & an SMA-male on the other. 2 lengths available. 5 meter length is preferred.

5 Meter Length Part #6411-1561-1

10 Meter Length Part #6411-1561-2



Applications

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 & applications where a more rugged antenna is required.

| ORDERING | |
|---|---|
| 5000-0170 | Antenna, OMNI-Directional Satellite (Mounting hardware not included.) |
| ACCESSORIES | |
| This antenna has a TNC connector allowing the use of special length cables. | |
| 6211-1209-1 | Mounting Kit |
| 2271-1061-1 | Tower Mount Arm (Uni-Strut Solid Wall) |
| 6411-1561-1 | 5 meter antenna cable for GPS Antenna |
| 6411-1561-2 | 10 meter antenna cable for GPS Antenna |
| SHIPPING | |
| Shipping Dimensions | 35" x 6" x 6" |