

The requirements, environment, goals and equipment of communication systems define the time and frequency solutions that are integrated into these systems.

Because no two communication systems are exactly alike, consideration that goes into choosing the core product, such as a GPS time and frequency receiver, must also go into the selection of those accessories that will guarantee the efficacy, protection and integrity of the entire system.

Symmetricom provides a broad array of GPS accessories, from lightning arrestors to in-line amplifiers to antennas, that are designed to support the unique requirements of each communication system.

Our experts can advise you on what accessories will best serve your needs, because when it comes to your success, we believe that no part is too small.



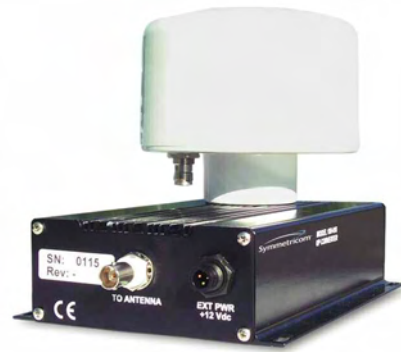
GPS Antenna Accessories

Lightning Arrestor



Lightning may damage GPS system components and receiving equipment, even without a direct hit, resulting in costly repairs and critical interruption of service. The lightning arrestor is designed to work in conjunction with a low-resistance, low-inductance ground to protect your GPS receiver and elements of the antenna system from lightning discharges and field-induced electrical surges. In-line lightning arrestors are mounted between the antenna and the point where the cable enters the building and require no additional power or wiring except the ground lead.

L1 Antenna GPS Up/Down Converter



Use the GPS Down/Up converter for cable runs of 250 to 1500 feet (75 m to 457 m). GPS signal down/up conversion is required when signal losses in the antenna cable limit the distance between the receiver and the antenna assembly. The Down/Up Converter may also work with non-Symmetricom L1 GPS receivers. The signal output from the converter is L1 C/A code that can be decoded by any L1 GPS receiver.

In-Line Antenna Amplifier



In-line amplifiers overcome signal attenuation in by amplifying the GPS signal. Mounting the amplifier inside the mounting mast helps protect it from moisture and exposure to the elements. Use the in-line amplifier for cable runs of 150 to 300 feet (45 m to 90 m).

Antenna Splitter



An antenna splitter may be used to drive multiple GPS receivers using a single antenna. With built-in amplification to overcome splitter losses, the Active Splitters may be conveniently cascaded without adding separate amplifiers and bias-tees between splitters. Power is conveniently obtained from the GPS receiver(s) connected to the amplifier, eliminating the need for a separate dc power supply and wiring.