

Title: Southern GPS Base Station Power Supply

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What is a base station GNSS receiver?

The base station GNSS receiver can be one of following types: A GNSS smart antenna, such as the SPS985/SPS986, that incorporates a GNSS receiver, GNSS antenna, power supply, and radio into a single compact unit. A GNSS Smart antenna can be rapidly set up on a tripod, fixed height tripod, or anywhere that is convenient on the jobsite.

How do I set up a GNSS base station?

For good performance, observe the following base station setup guidelines: Place the GNSS receiver in a location on the jobsite where equal range in all directions provides full coverage of the site. This is more important on larger jobsites, where the broadcast range of the base station radio may limit the operations of the system.

Which GNSS antenna should I use?

Trimble recommends that you use the Trimble Zephyr 3 Base antenna. This antenna has a large ground plane that reduces multipath, providing the best GNSS performance at the base location. The antennas are connected to the receiver by high quality RF cables. The receiver is connected to a permanent power supply (mains or generator power).

How do I set up a base station?

Set up the base station using either the tripod or T-bar mounting method. You must use an external radio antenna kit for the internal 450 MHz or 900 MHz radio. To avoid interference between the 900 MHz radio and GPRS transmissions, do not mount the external radio antenna within 1 m (3.3 ft) of the GSM antenna.

Do not set up the base station directly beneath or close to overhead power lines or electrical generation facilities. The electromagnetic fields associated with these utilities can interfere with ...

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It runs GPS base stations with high power radios for an average of 16 hours. When you are done for the day simply open the portable power battery box and get out the wall charger and plug it ...

The antennas are connected to the receiver by high quality RF cables. The receiver is connected to a permanent power supply (mains or generator power). The internal battery of the receiver ...

Home Accessories Base Station Power Supply Kit (Fits: AgGPS 450/900 Base, 4X2, 5X2, & SNB900 radio)

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