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Title: Outdoor base station modification settings

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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.

Where should a base station be installed?

The location is the actual environment in which the base station will be installed. Typically, this means outside in an open sky environment (e.g. on the roof of a building or in an empty field). Figure 2 shows a typical fixed installation of several antennas, including a VeraChoke and a VeraPhase 6000, on a roof.

What is a managed base station?

Trimble recommends that base stations that are connecting from a portable, daily-use setup are treated as unmanaged base stations and those used for permanent or semi-permanent setups where the receiver will be in the same place for a longer period of time are treated as managed base stations.

Should a base station be permanent or semi-permanent?

The requirement for a permanent base station setup increases as more receivers that use the base station as a source of corrections, increases the cost of any base station downtime. On the largest jobsites, and on those that remain operational for the longest time, a permanent or semi-permanent installation is a popular solution.

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A good example would be on top of a building, for example, a control tower. If you are setting up a permanent Base Station from scratch, we recommend that you let it average over 24 hours ...

This is the first of a series of articles dealing with how to correctly set up a base station. In this article, we give a brief introduction and explain the ...

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