

# **Xiaxi Communication Base Station Installation**





## Overview

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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.

How do I start a base station setup?

Before starting a base station setup, the user needs to know and understand basic concepts of the base-rover setup. 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).

How should a base station antenna be installed?

The hardware installation guidelines are limited but important for reliable base station performance. The base station antenna should be installed in open sky conditions, away from external influences that hinder the direct line of sight between the antenna and the GNSS satellites.

Why is base station input important?

The base stations input is thus needed to calculate an accurate and reliable position. One of the determining factors in accuracy and reliability is the baseline (i.e. the distance between the rover and base receivers).



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To ensure stable communication between a base station and connect with the stability of mobile devices, it is necessary to check radio communication performance and eliminate radio wave ...

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### **Base Station, Installation Guide**

This document describes how to install the Base Station. The document is intended for service technicians. For information on how to operate the device, see the applicable Installation and ...

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### **How to set up a base station - Chapter 3: Hardware installation**

This is the third of a series of articles dealing with how to correctly set up a base station. This article provides details on how to handle the



physical installation of the base station setup.

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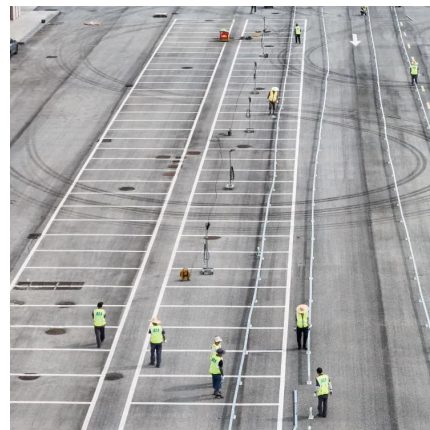
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Base stations, or mobile communications base stations, are stationary radio or mobile communications installations essentially consisting of two elements: (1) one or more antennas ...

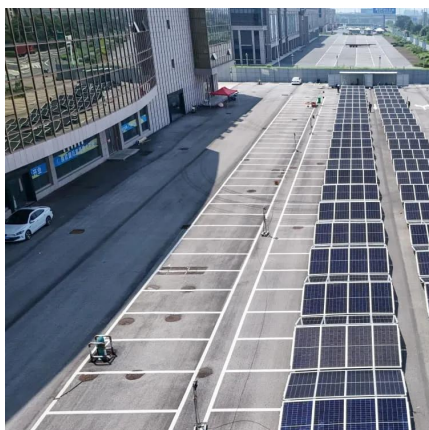
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### **Simulation and Classification of Mobile Communication Base Station**

In recent years, with the rapid deployment of fifth-generation base stations, mobile communication signals are becoming more and more complex. How to identify and classify those signals is a ...

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