

SolarTech Power Solutions

Remote Base Station Sites



Overview

What is a remote base station?

A remote base station is a common name for an amateur radio auxiliary station that is controlled and operated from a remote location. Most remote base stations have similar features to any other Amateur radio station but can be controlled over a direct wired connection or the internet, or by radio .

What is a remote base radio?

The remote base radio will need to be on the same Band, Frequency, Split, and PL as the repeater you are connecting to and will essentially be one more "user" of the destination repeater. Remote Base operations can be carried out on any amateur voice band, even HF!.

What is a remote base antenna?

Remember you are linking one repeater site to another and many times this path is "line of sight". Remote base antennas can range from a simple rubber duck when linking to another local repeater to a roof-mounted or tower mounted beam or corner reflector for more distant sites.

What is a remote base link system?

The "Remote Base" type link system is the most common because of its simplicity and low cost. The term "Remote Base" comes from the situation that you are installing a base station that will be controlled remotely.

How to remotely control auxiliary base station?

When using a radio link, remotely controlling an auxiliary base station consists of sending the primary signal (voice or data) along with some form of control signal, such as DTMF tones, to another station to change its operating parameters i.e. turn it on or off, change frequency or transmitter power level, rotate the antenna, etc.

How does a remote base work?

How a Remote Base works. Basically, a Remote Base link works like this: A repeater with a remote base operates the same as any other repeater; the user keys into the repeater on the input frequency, the controller recognizes the user and keys the repeater transmitter.

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