Welcome to the world of GNSS Sensor

P3E

Quick Tour

Connection

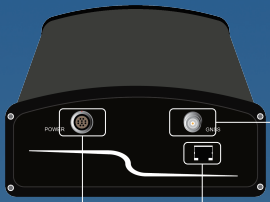
LED Definition

Satellite LED: Flashing while searching satellites.

Static LED: Flashing while collecting static data.

Status LED: Lighting while sending CORS data.

Power LED: Lighting while power supply is on.

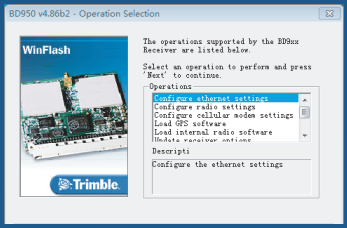


Antenna Port

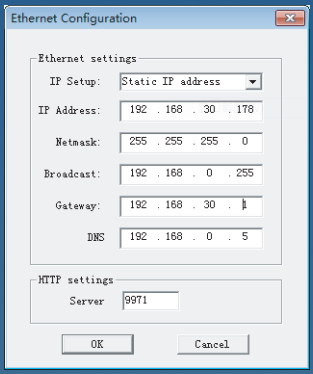
Ethernet Port

Serial Port (use to connect external radio or power)

IP Configuration

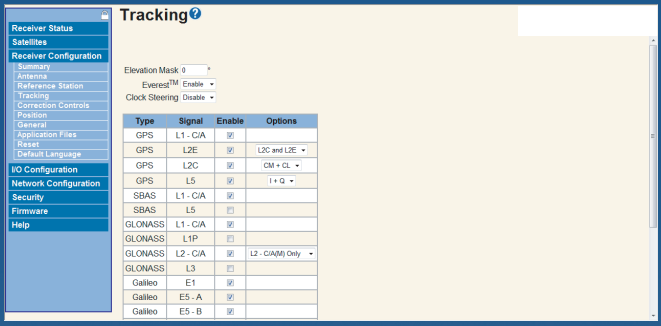


Users can use WinFlash software to config IP address. Click [Configure ethernet settings].



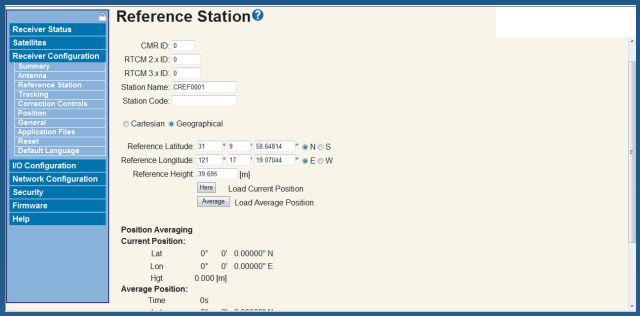
Choose [Static IP address], and then input IP address as you need.

Tracking



Users can customize satellite systems, frequencies, and combination of different frequencies.

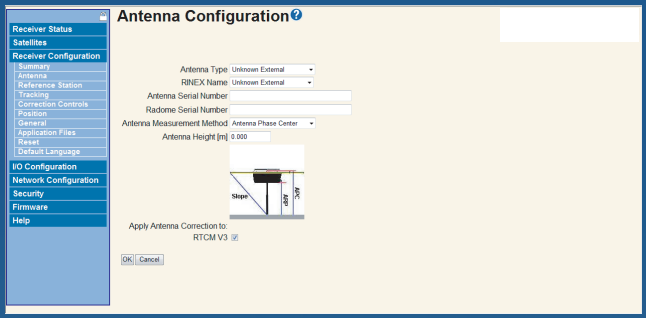
Reference Station



Users can set reference station coordinates, there are three ways:

- Input reference station coordinates directly, if you know it exactly.
- Click [Here] to get reference station coordinates.
- Survey hundreds of points and then click [Average] to get reference station coordinates.

Antenna



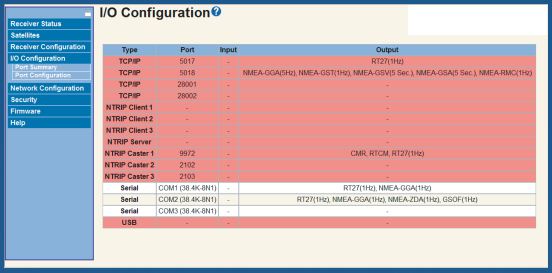
Users will config antenna parameters.

●Antenna type/RENIX Name: CHC A220GR GNSS Geodetic antenna or CHC C220GR GNSS Choke Ring antenna preferred (Both of them are included in [Unknown External], and users can not change it, cause it is defined by Trimble).

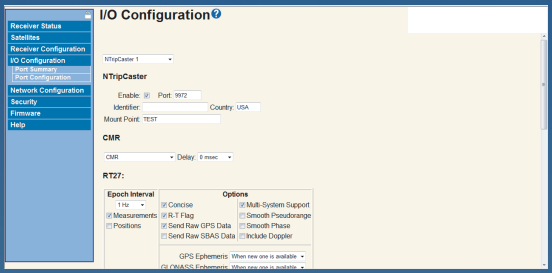
●Antenna Measurement Method: Choose the way to measure antenna.

●Antenna Height: Input antenna height users measured. When you choose [Unknown External], the default antenna phase center height is zero, you need to modify it. For example, CHC A220GR: 0.1493m, CHC C220GR: 0.2084m.

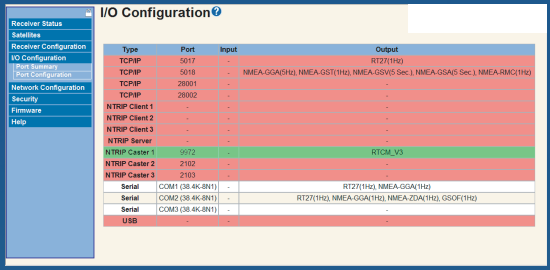
Data Output



Users can click I/O Configuration to achieve data output.

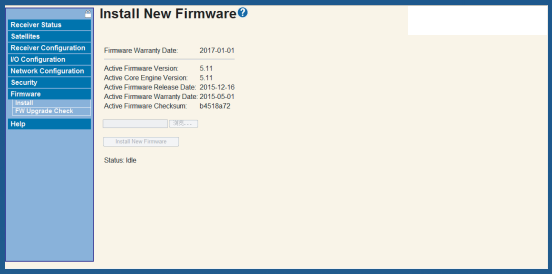


For example:
Click [NTRIP Caster 1], and then you will enter the interface of detailed configuration.
Click [Enable] to make NTripCaster be available to use.
Port: Input the port number to export data.
Identifier/Country will be default.
Mount Point: Input TEXT as source table.
CMR: Switch difference scheme as you need, and set delay time.



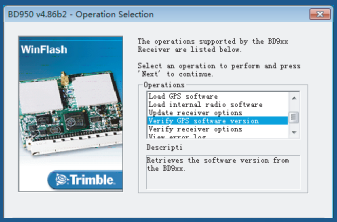
If data output succeeds, then NTRIP Caster 1 will turn green.

Remote upgrading

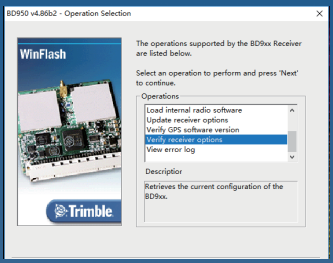


Users can get remote upgrading in [Firmware] (Both [Install] and [FW Upgrade Check]).
Install: You will install latest firmware in the interface.

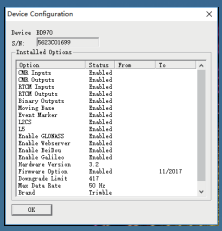
FW Upgrade Check: You will click [Check for new firmware now] to input firmware file, and then get remote upgrading.



Users can click [Verify GPS software version] to check OEM board firmware version.



Users can click [Verify receiver options] to check OEM board function.



This interface shows whether OEM board function is enabled.

External Radio

Users can connect P3E with an external radio. Then, users will click [I/O Configuration] to switch [Serial/COM1].You can switch difference scheme, baud, parity as you need.

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