2 AOA TurboRogue GPS Receivers--2 Radio Modems--CPU

NOTE: The outdated and offensive "master-slave" terminology has been replaced with "Access point (AP) - Station/Endpoint (STA)" in all instances, but will still remain in the configuration software when implemented.

Equipment

In Use by UNAVCO Boulder Facility -

- 1=Chinese (specific information is not available at this time)
- 2=Computer to phone modem (specific information is not available at this time)
- **Radio modem**: FreeWave DGR115-H
- **Antenna**: Directional Yagi antenna
- **CPU**: UNIX (Solaris)
- **Receiver**: TurboRogue SNR-8000

Possible Substitutions (based on site parameters):

- 1=Chinese (specific information is not available at this time)
- 2=Computer to phone modem (specific information is not available at this time)
- **Radio Modem**: Any radio modem which meets suggested minimum requirements as listed on our Radio Modems page.
- **Antenna**: Omnidirectional antenna
- **CPU**: UNAVCO, Boulder currently supports UNIX or LINUX operating systems

**NOTE**: The use of a repeater and directional antennas depends on the specifics of the site, distances signals need to travel, topography etc. For more information contact UNAVCO Support (support@unavco.org).

Connections in use by Boulder Facility

- 1=Chinese (specific information is not available at this time)
- 2=Computer to phone modem (specific information is not available at this time)
- 1=DB25-9 serial
- 2=Radio wave
- 3=DB9-9 serial
Equipment Configuration in use by Boulder Facility

Radio modems

- 1=Chinese (specific information is not available at this time)
- 2=Computer to phone modem (specific information is not available at this time)
- Baud rate 19200 bps
- 8-None-1
- RTS/CTS HW flow control
- Packet size max=3 (56 bytes) min=0 (8 bytes)

The base radio modem is set to Point to Point Slave/Master Switchable and the callbook is set to call all numbers (of the slave transceivers). The remote transceivers are set to Point to Point Slave mode.

- Recommended local radio modem register settings
- Recommended remote radio modem register settings

TurboRogue Receiver

- 1=Chinese (specific information is not available at this time)
- 2=Computer to phone modem (specific information is not available at this time)
- Baud rate 19200 bps
- 8-None-1
- Port B
- Firmware version 3.2

Download Specifications

Download software: PERL scripts on Solaris.

NOTE: Download rates will vary depending upon site location, local interference, phone line quality, and cellular service.

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