The Trimble NetRS and NetR8/NetR9 can be configured to stream correction data in various formats over tcp/ip or serial. The transport of RTCM via tcp/ip is called NTRIP.

**NetRS**
- Attach the NetRS to an antenna (you will not be able to verify the NetRS is streaming unless the antenna is attached).
- Open a web browser and log on to the web interface of the NetRS
- Select "I/O Configuration" from the side menu.
- All ports that are available/configured on the receiver will be listed.
- A NetRS with factory defaults will have serial ports 1-4 listed, but not enabled.
- You will need to create and configure a new TCP port for RTCM
  - Select "Create New TCP Port."
  - Fill in your desired TCP port number, this can be any number of your choosing. Examples: 6000 or 7500. Be sure to avoid choosing standard ports such as 80.
  - Select "RTCM" under "Service"
  - Select desired format and style options
  - Click "OK"
- Back in the I/O Summary Page, the new TCP port will be listed
- Make sure the "Enable" box is checked next to the port and that RTCM is listed as the service
- Select the "Reference Station" submenu
  - Where the position of the reference station is listed, select "Here." The coordinates should then be those of the receiver's location.
- Open a command prompt
- Open up a connection to the tcp port using telnet.
  - Example: telnet 192.168.1.2 6000
  - Users with Unix based systems can use nc 192.168.1.2 6000 to open the connection
  - If the receiver is streaming properly, the output will appear on your terminal as random characters.
  - Keep the terminal running
  - Go back to the web interface of the NetRS and on the side menu, select "Receiver Status."
  - Select the "Activity" submenu.
  - Under "Input/Output," you should see "Streaming RTCM to xxx.xxx.xxx.x over Tcp Port xxxx"
  - Once you close your terminal, the connection will close and the streaming message will disappear

**NetR8/NetR9**
- Log on to the receiver
- From the side menu select "I/O Configuration"
- To create a new port select "Port Configuration" from the "I/O submenu"
  - Select "Add TCP/IP port" from the first drop down menu (or select an existing tcp/ip port to alter)
  - Select RTCM in the dropdown menu to the right
  - Enter your desired port number
  - In the RTCM-specific settings below:
    - Ensure that RTCM is enabled, adjust the other settings as desired and click "ok"
- Back in the port summary page, you should see your new port listed
- Under "Receiver Configuration," Select the "Reference Station" submenu.
  - For the reference station coordinates, select "Here."
  - Click "ok"
  - Go to "Receiver Status" and select the "Activity" submenu
  - You should also see "Output: TCP/IP (port #) ' RTCM"
- Verify the receiver is streaming by using telnet to open the port, as listed in the NetRS instructions above
  - Go back to the "I/O Configuration" menu. The open port should be highlighted in green.
  - When you close the connection, the port listing will return to red.