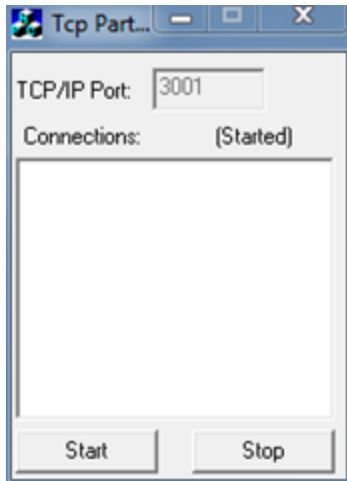


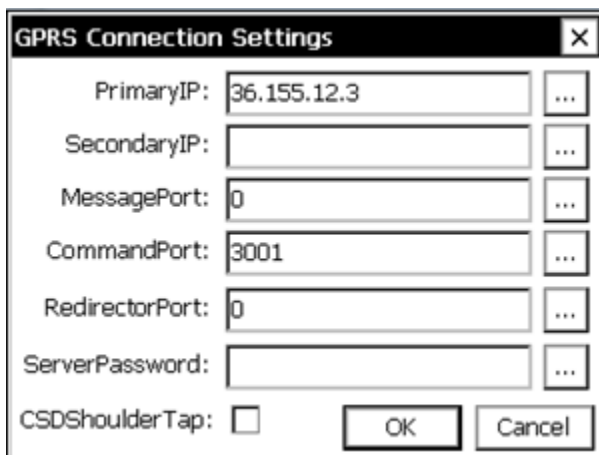
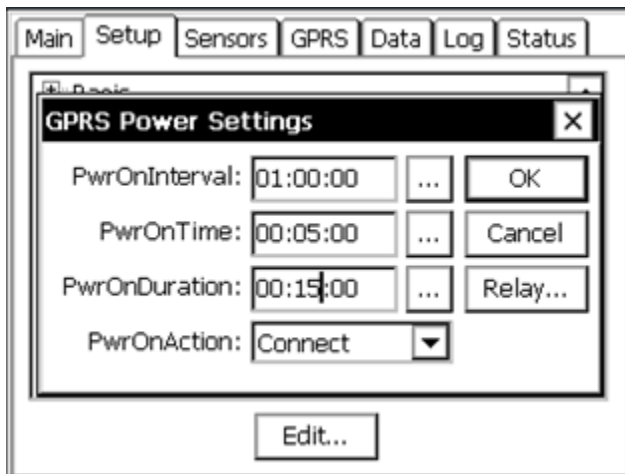
# TCPartyLine

TCPartyLine is a program that connects two incoming socket connections together over a TCP/IP network. This can help solve the problem of contacting a logger whose cell modem IP address is unknown (typically because it is assigned dynamically). Here's an example showing how that would work:

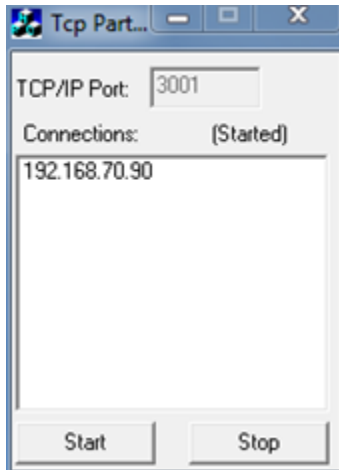
1. Start TCP Party Line on your PC and enter in the IP port to use (typically 3001)



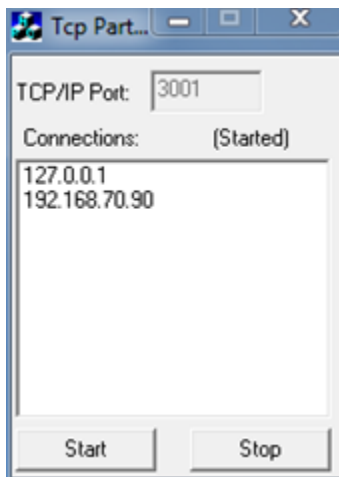
2. Configure Xpert2 (or 9210B/8310/7310) GPRS modem with a "power on connect" schedule. This example has the modem power on and connect to the **Command Port** every hour at 5 after the hour, and stay connected for 15 minutes:



3. Alternative approach, using SMS commands to initiate calls: set power and connection settings as desired for transmissions, if any, and then use an SMS command to tell the station to call your PC running TCP Party Line. The SMS command to do so is STAP [ip address][:ip port].
  - a. For this approach to work, the cell device must be able to reach your PC's open port via the Internet. This typically means configuring your network to forward the specified port to a port on your PC.
  - b. Example commands:
    - i. Send "STAP" to call IP address defined by Primary and Secondary IP at port "CommandPort"
    - ii. Send "STAP 36.155.12.3" to have the station call the PC at IP Address 36.155.12.3 and port "CommandPort"
    - iii. Send "STAP 36.155.12.3:3001" to have the station call the PC at IP address 36.155.12.3 and port 3001
4. When the logger connects, TCP Party Line will show the connection in its window:



5. Xterm (or Hyperterminal, or XConnect) opens a connection to the same port at "localhost" in order to talk to the logger. TCP Party Line shows both parties are connected:



Notes:

- When using Hyperterminal, it should be configured to connect with TCP/IP (WinSock) to "localhost" or "127.0.0.1"
- When using XTerm, it should be configured to connect with Telnet to "localhost" or "127.0.0.1"
- The SSP/CL session supports Raw TCP/IP rather than the Telnet IAC protocol, and due to this:
  - HyperTerminal will NOT be able to support file transfers
  - XTerm will support file transfers
- TcPartyLine can be invoked with the port number on the command line (this is actually in the "About TcPartyLine..." menu) and it will start running right away

TCP Party Line can be downloaded here: <http://www.sutron.com/wp-content/uploads/2014/06/TcPartyLine.zip>