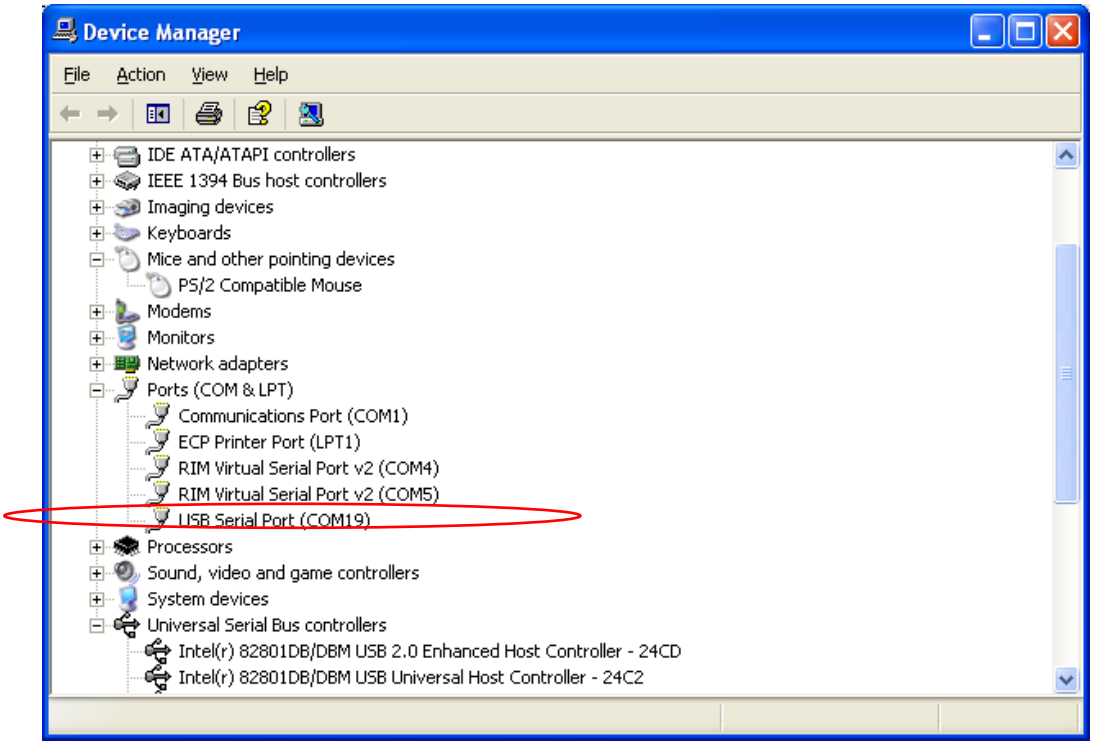
Terminal Communication with the RTG-OM on Windows

- Plug the RTG-OM into any available USB port
- Determine which COM port is assigned to the RTG-OM's "USB Serial Port"
    - COM19 in the Windows Device Manager illustration below



- Open HyperTerminal or PuTTY
    - See below for specifics for each
    - Required settings are:
        - Bits per second* = 115200
            - *This value is 9600 for firmware versions earlier than 1.1.0.0
        - Data bits = 8
        - Parity bits = None
        - Stop bits = 1
        - Flow Control = None
- You are now ready to interact with your RTG-OM from the terminal console
    - Type **help** [Enter] into terminal window
    - The RTG-OM command and response list will appear
    - Type **echoon** [Enter]to enter verbose mode
        - Default mode is echooff for programming
    - Type **help** [Enter] again to get echoon commands and responses listed
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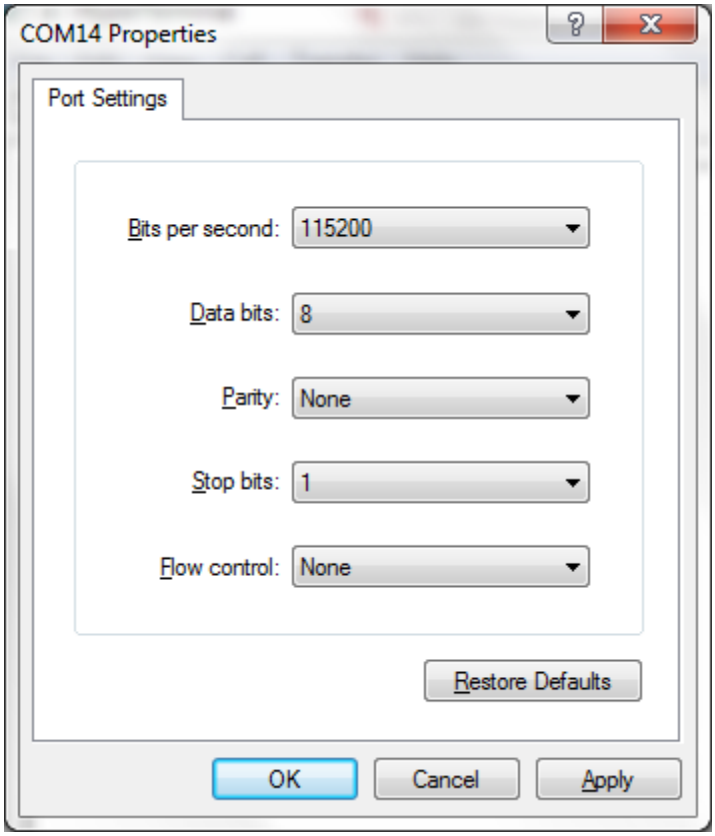
Configuring Windows HyperTerminal

HyperTerminal is a terminal program that ships with older versions of Windows (including XP), but not with newer versions (Windows7). If it is not available on your system, the recommendation is to use PuTTY (see below) due to library requirements for HyperTerminal, although HyperTerminal can be found online at various sites.

- From the main screen, select File -> New Connection
- Enter any name in the Name: field, i.e. “RTG-OM COM14”
- Within the “Connect To” dialog, use the drop down on the “Connect Using” control and select appropriate COM Port, “COM14” in this example.
- Configure “Port Settings” exactly as depicted below, and select “OK”. This will open a blank terminal window.
    - Note that Bits per Second should be set to 9600 for firmware versions earlier than 1.1.0.0.



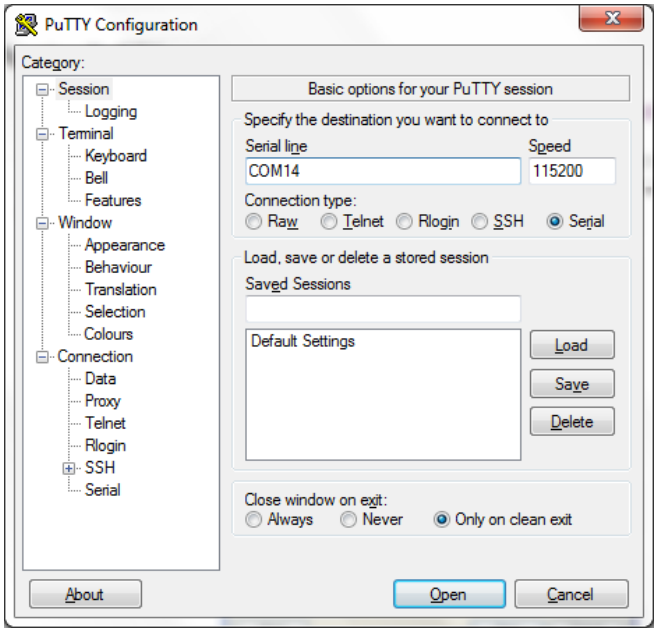
IMPORTANT: Ensure that the following setting is unchecked/disabled:

File -> Properties -> Settings [tab] -> ASCII Setup [button] -> ASCII Sending ->
Send line ends with line feeds

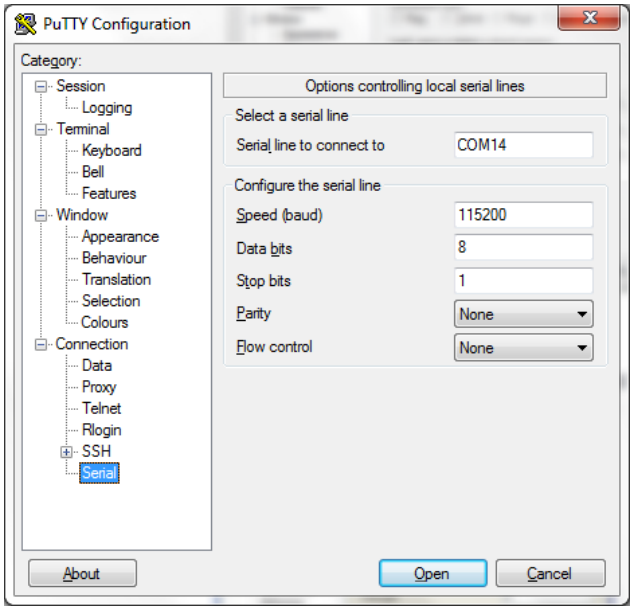
Leaving this checked will confuse devices with FW versions 2.0.0.3 and earlier.

Configuring PuTTY

- Download PuTTY from http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html
- Run PuTTY
- Within the default Session screen, select the "Serial" radio button for Connection Type and insert the appropriate COM port identifier in the Serial line box (COM14 in the example below).



- Select the "Serial" Category on the left side of the dialog box to bring up the screen below, and set the "Configure the serial line" settings exactly as indicated below.
    - Note that Speed (baud) should be set to 9600 for firmware versions earlier than 1.1.0.0.



- Select ‘Open’ to start your session
    - As opposed to selecting ‘Open’, you can return to the ‘Session’ category to save the session such that future sessions can be started by simply double-clicking the saved session.