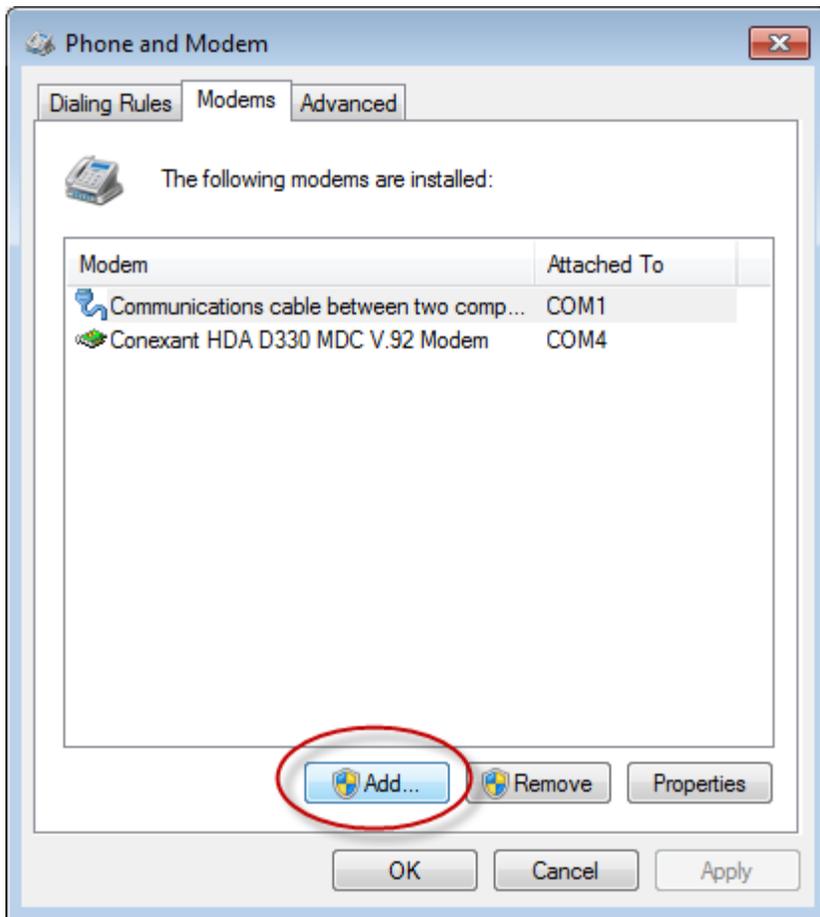


Establishing a PPP connection under Windows 7

To establish a PPP connection between a Trimble receiver (the server) and a computer (the client) that is running the Windows7 operating system, you need to install the direct cable connection as a modem device using the modem setup procedure:

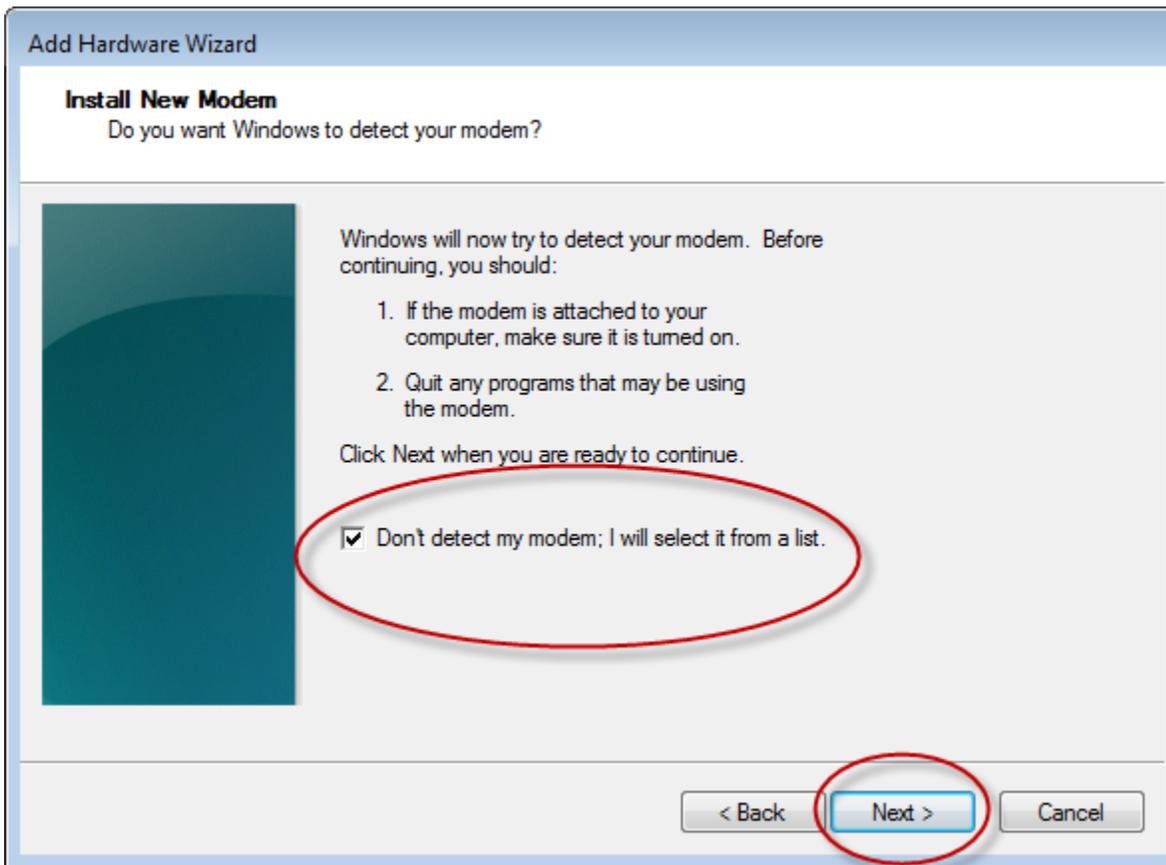
1. On the computer, click *Start / Control Panel / Phone and Modem*. The *Phone and Modem* dialog appears.
2. Select the *Modems* tab and then click **Add**.

Note – You will need administrator's rights to do this.

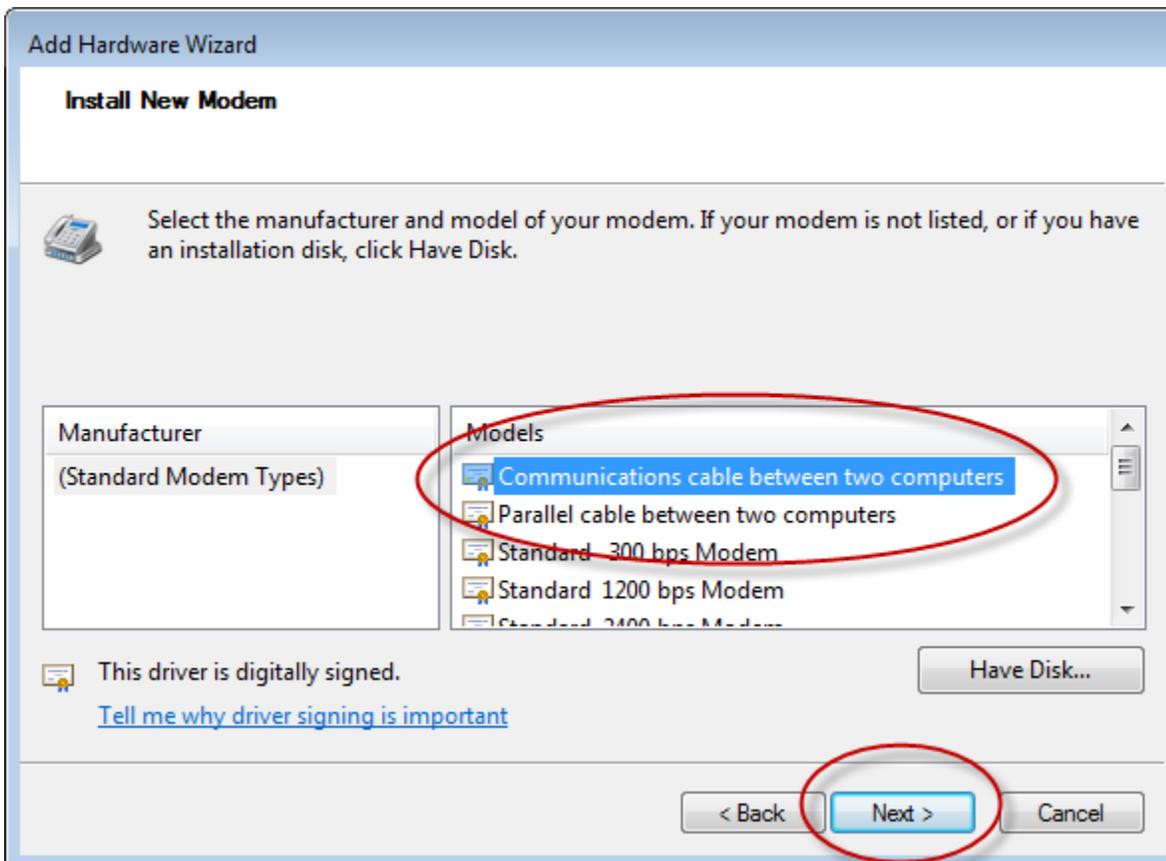


The *Add Hardware* wizard appears.

3. Select the *Don't detect my modem. I will select it from a list.* check box and then click **Next**.

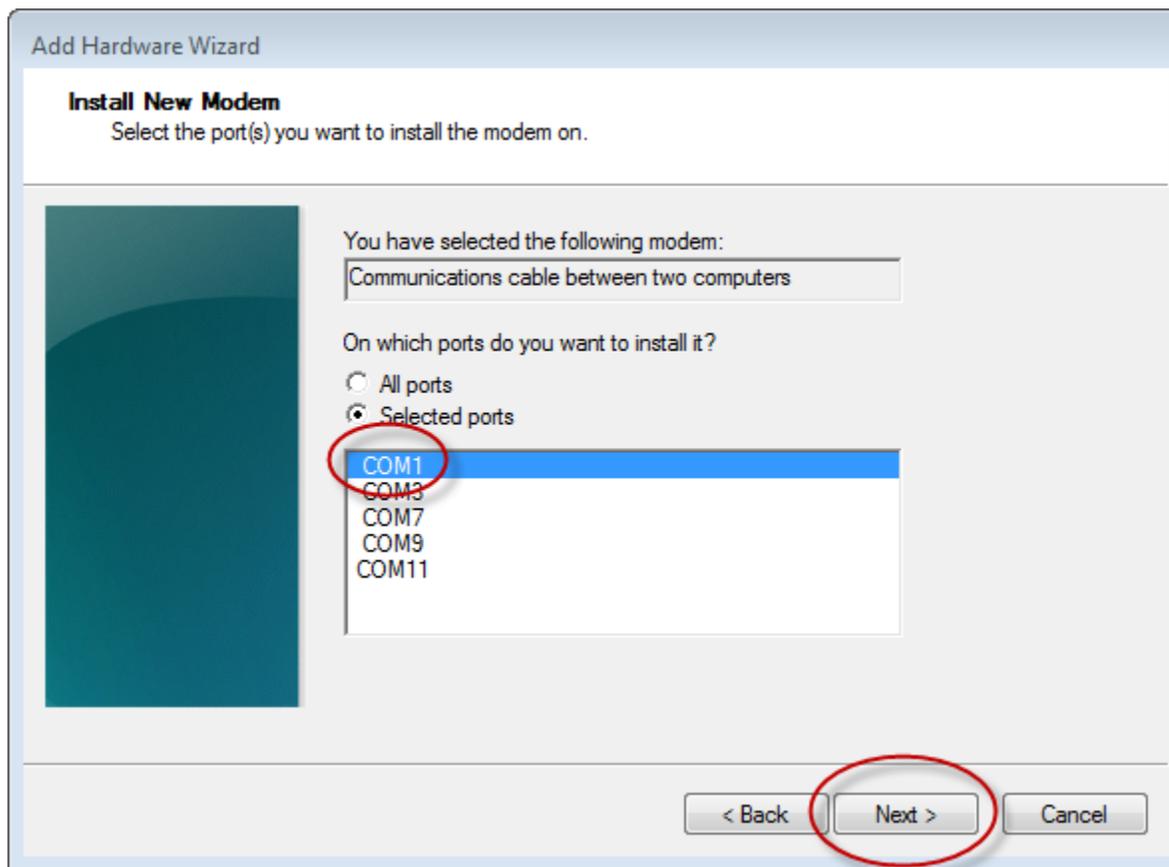


4. Select the *Communications cable between two computers* option and then click **Next**.

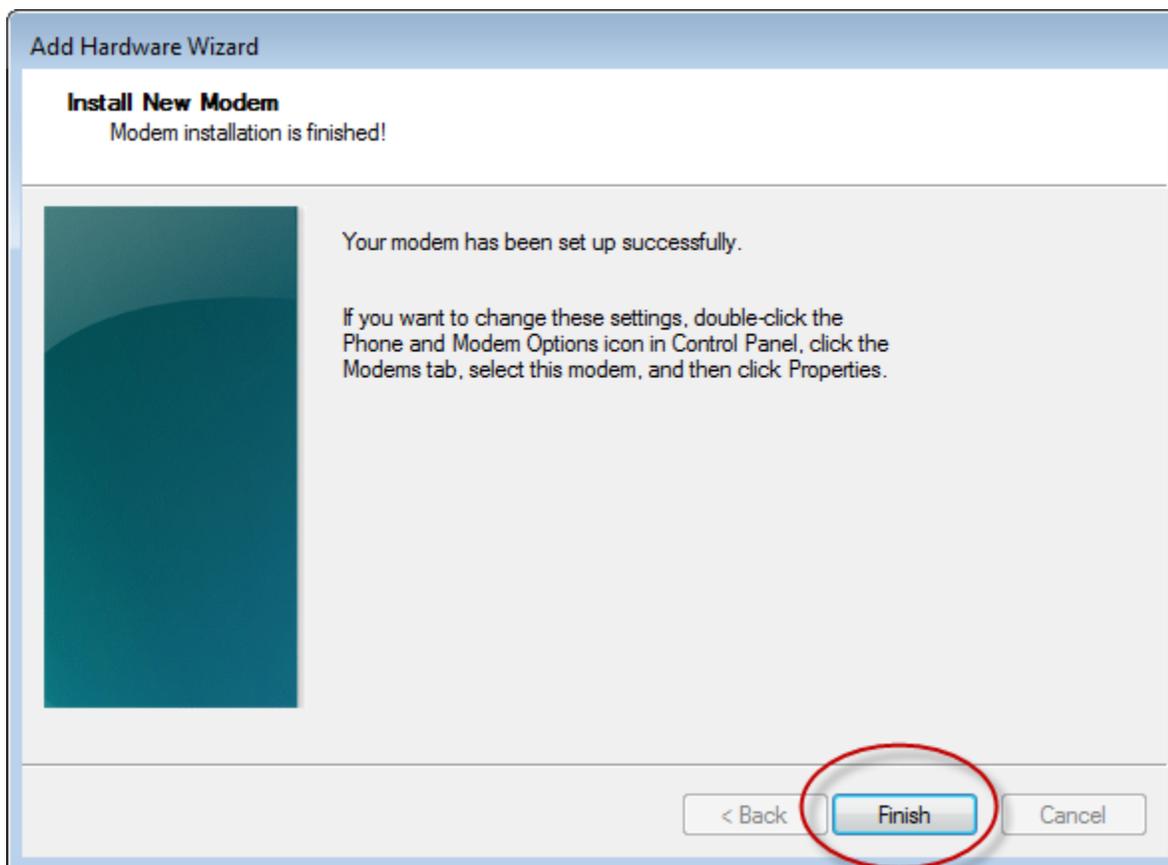


5. Select the *Selected ports* option and then select the serial com port (COM 1). Click **Next**.

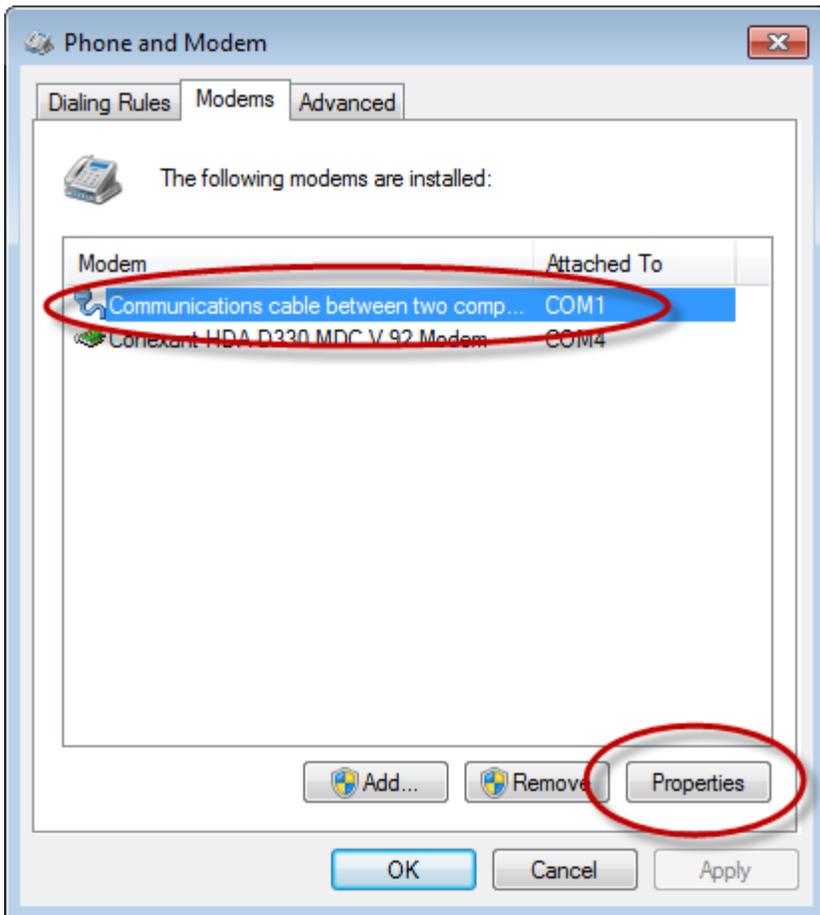
Note – A null cable is required for this connection.



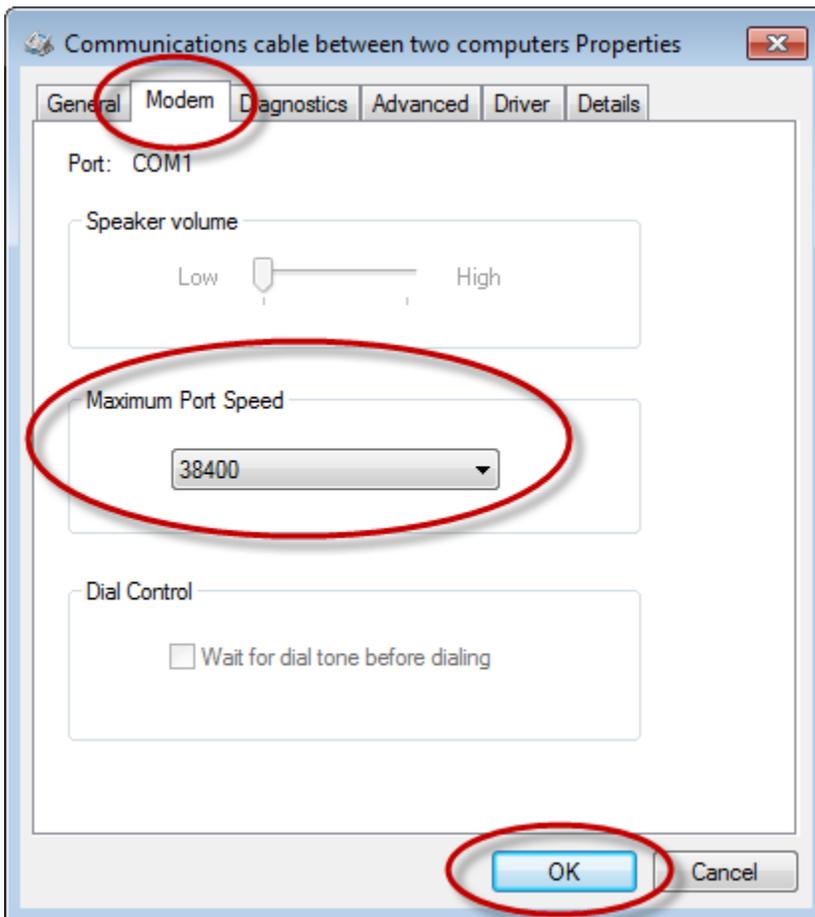
6. Click **Finish**.



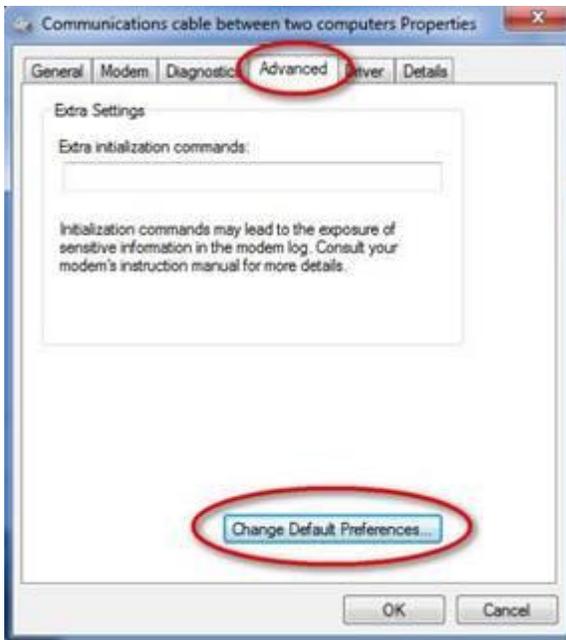
7. In the *Modems* tab of the *Phone and Modem* dialog, select the new COM1 connection and then click **Properties**.



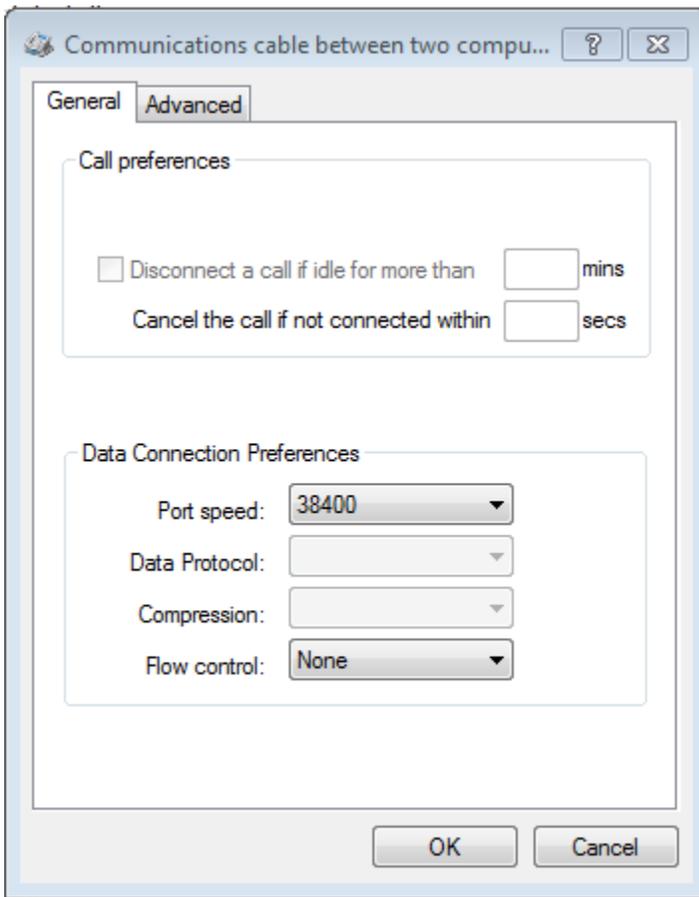
8. In the *Properties* dialog for the connection, select the *Modem* and then change the *Maximum Port Speed* field to 38400. Click **OK**.



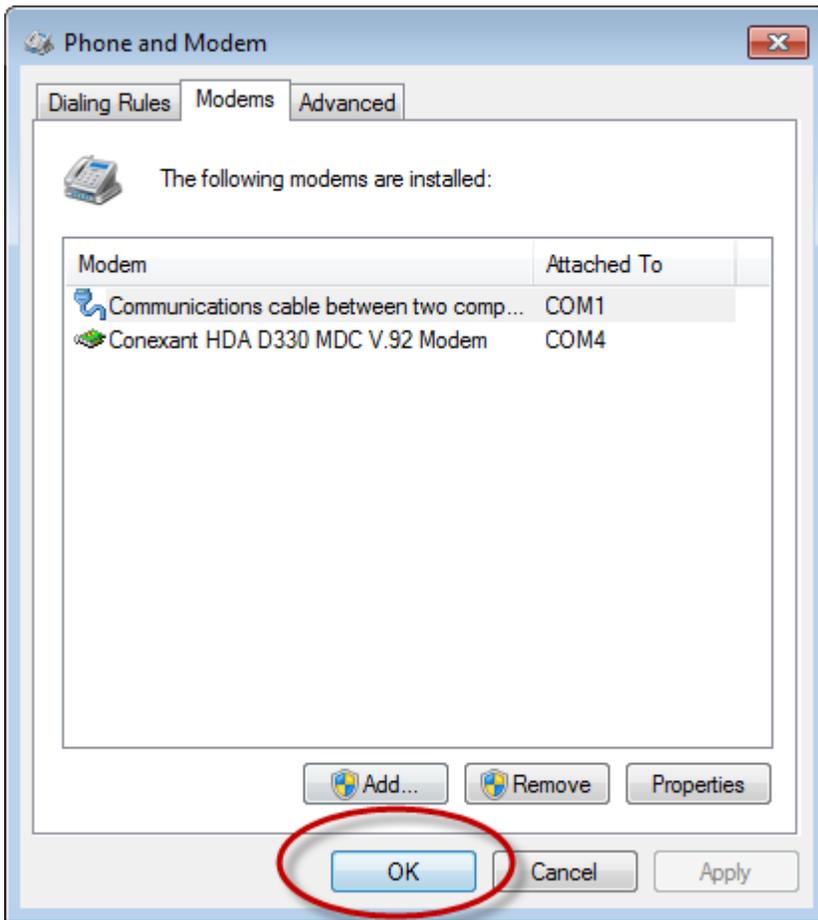
9. Select the *Advanced* tab and then click **Change Default Preferences**.



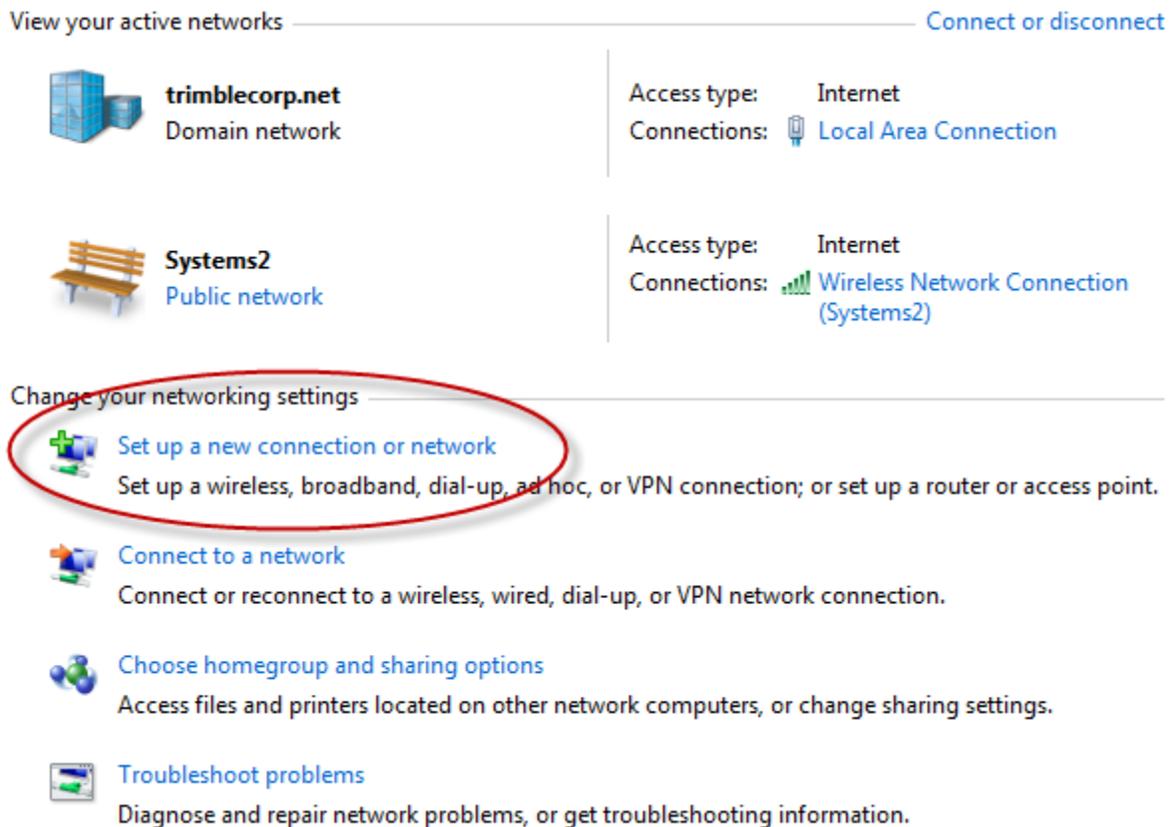
10. In the *Flow control* field, select **None** and then click **OK**.



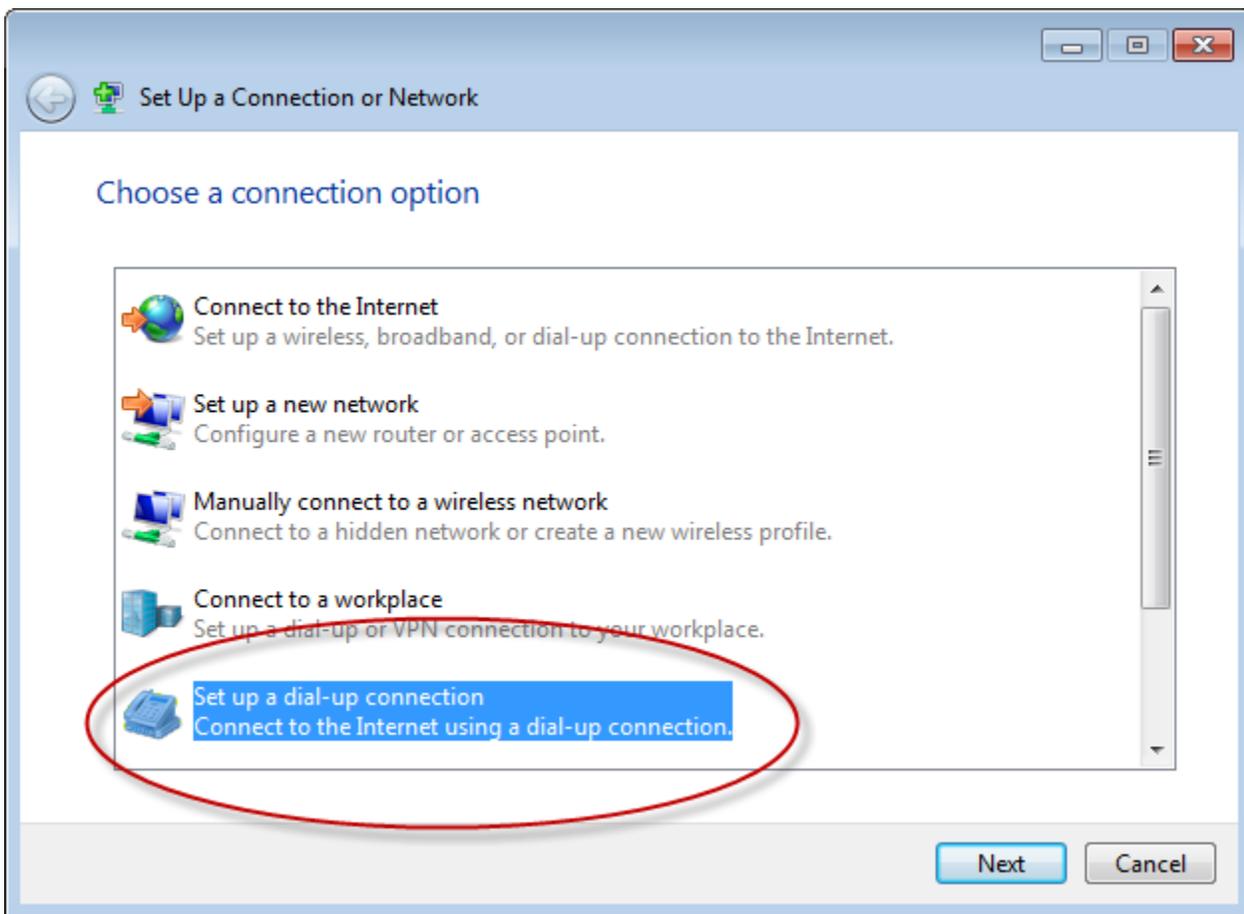
11. Click **OK** to close the *Properties* dialog for the connection.
12. In the *Modems* tab of the *Phone and Modem* dialog, click **OK** to save your changes.



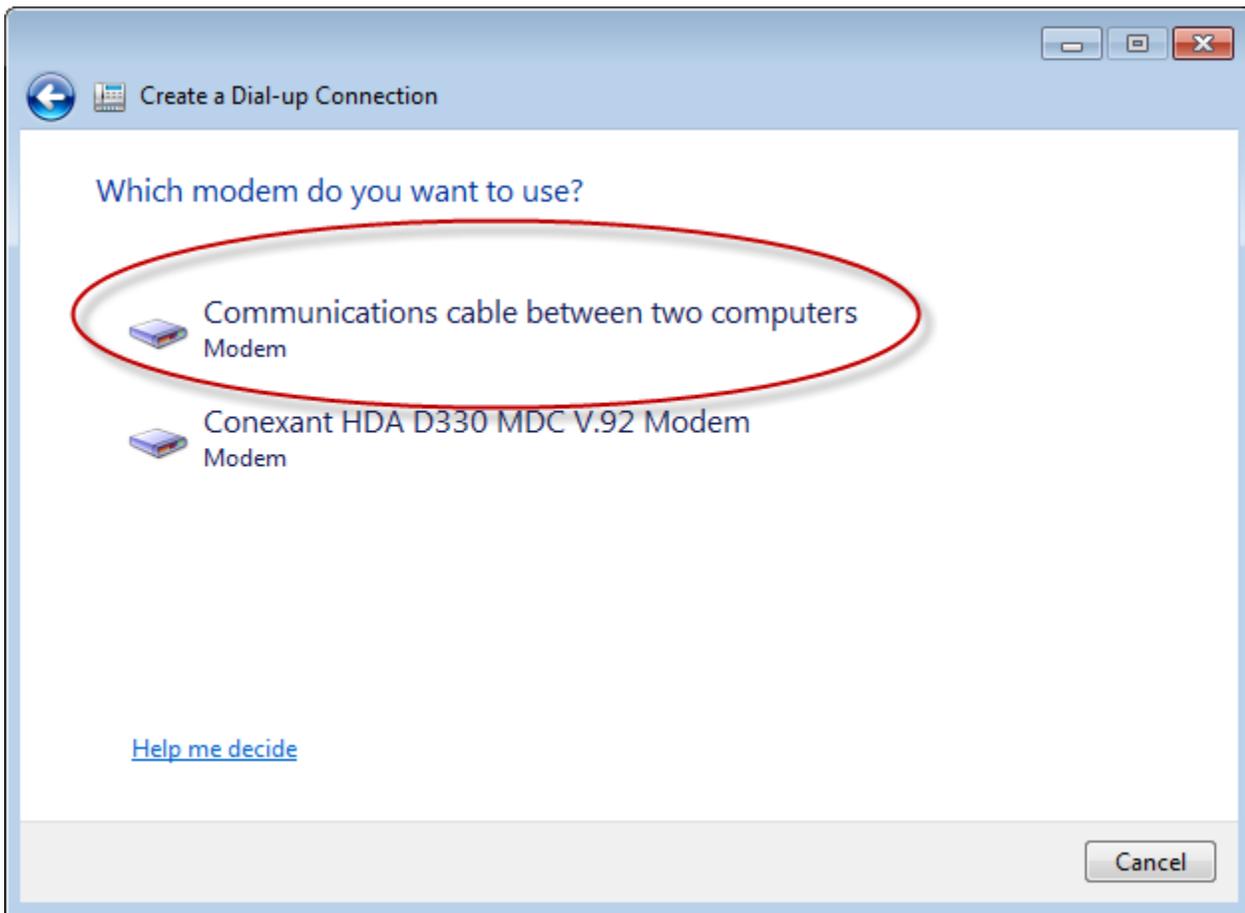
13. On the computer, click *Start / Control Panel / Network and Sharing Center* and then select *Set up a new connection or network*.



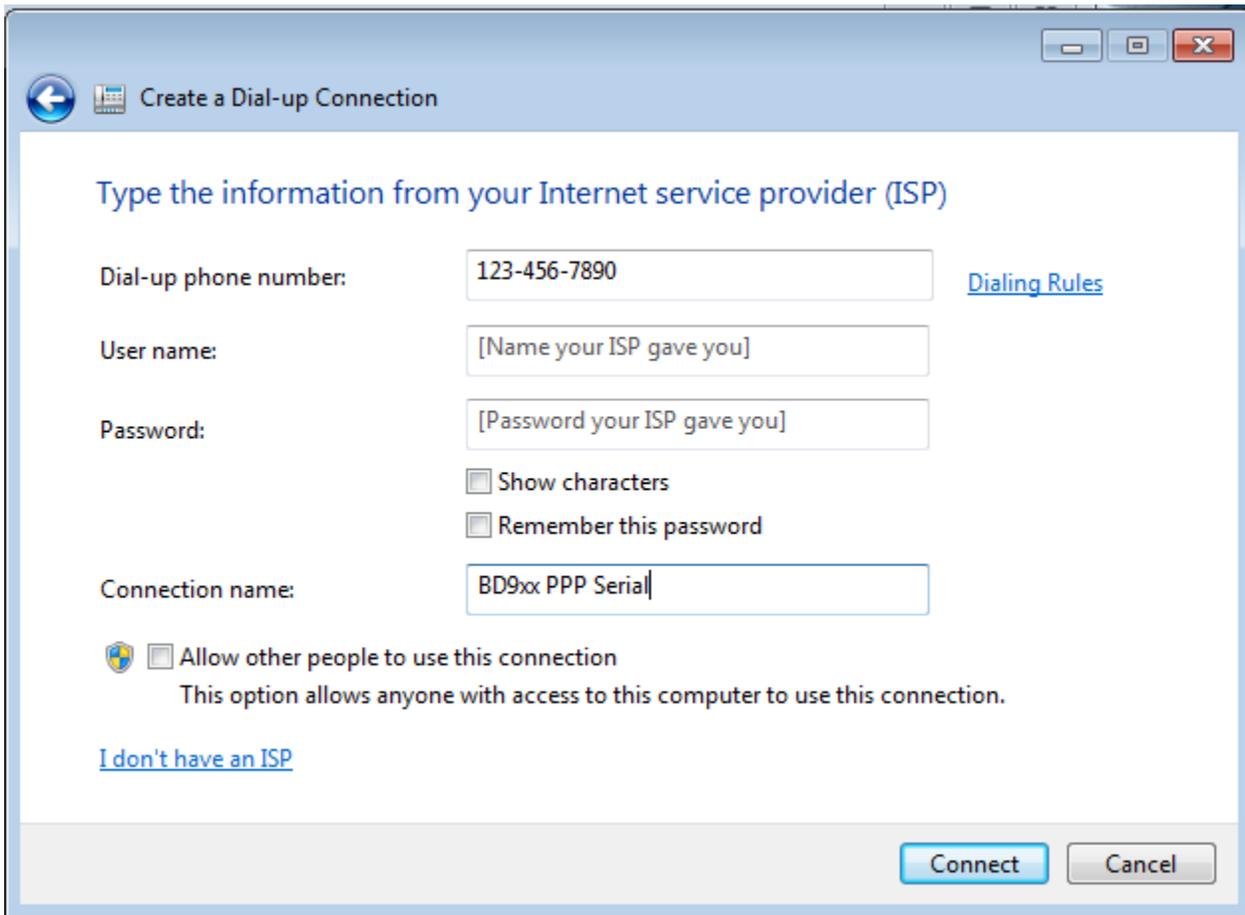
14. Select the *Set up a dial-up connection* option and then click **Next**.



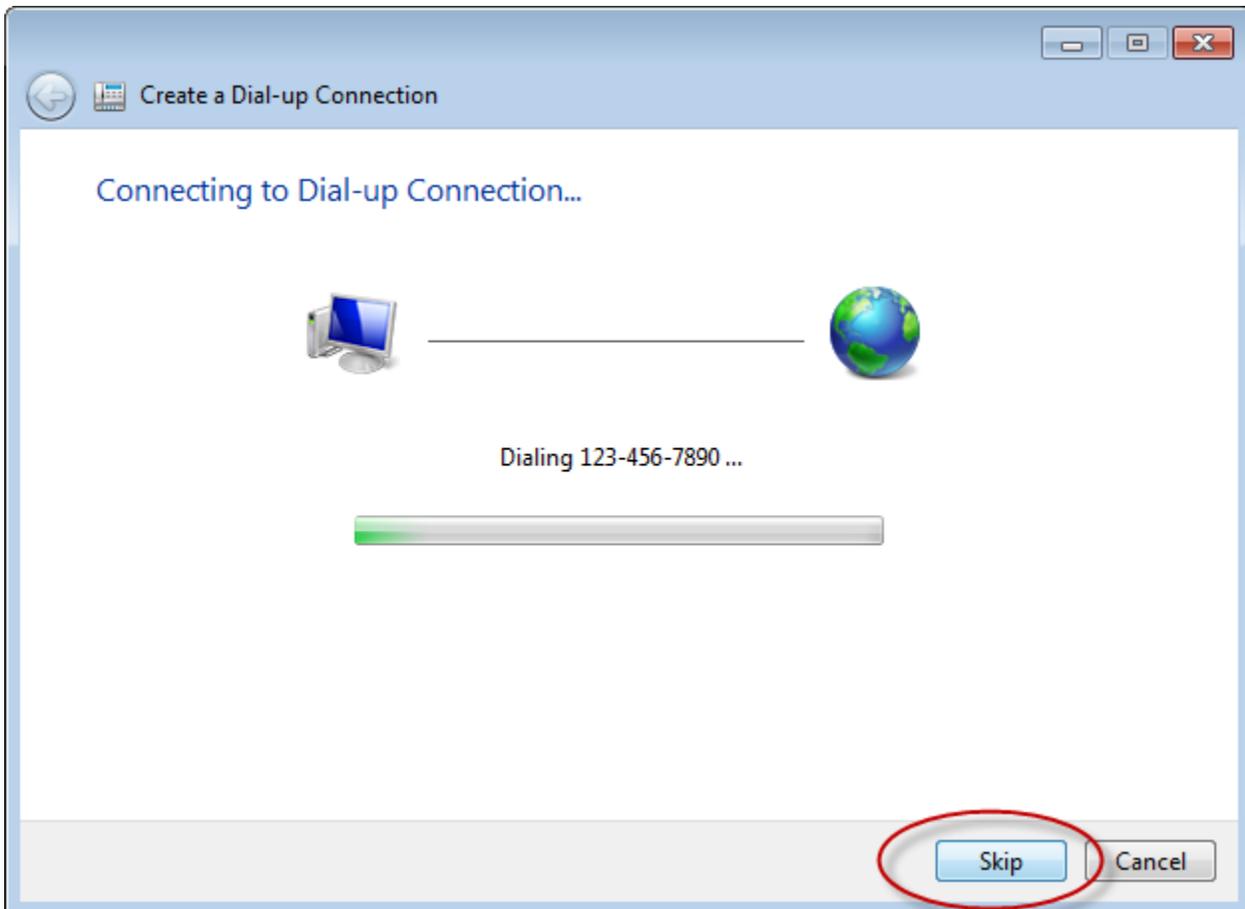
15. If you have created more than one modem device on your computer, you are prompted to select the modem to use. Select the *Communications cable between two computers* modem.



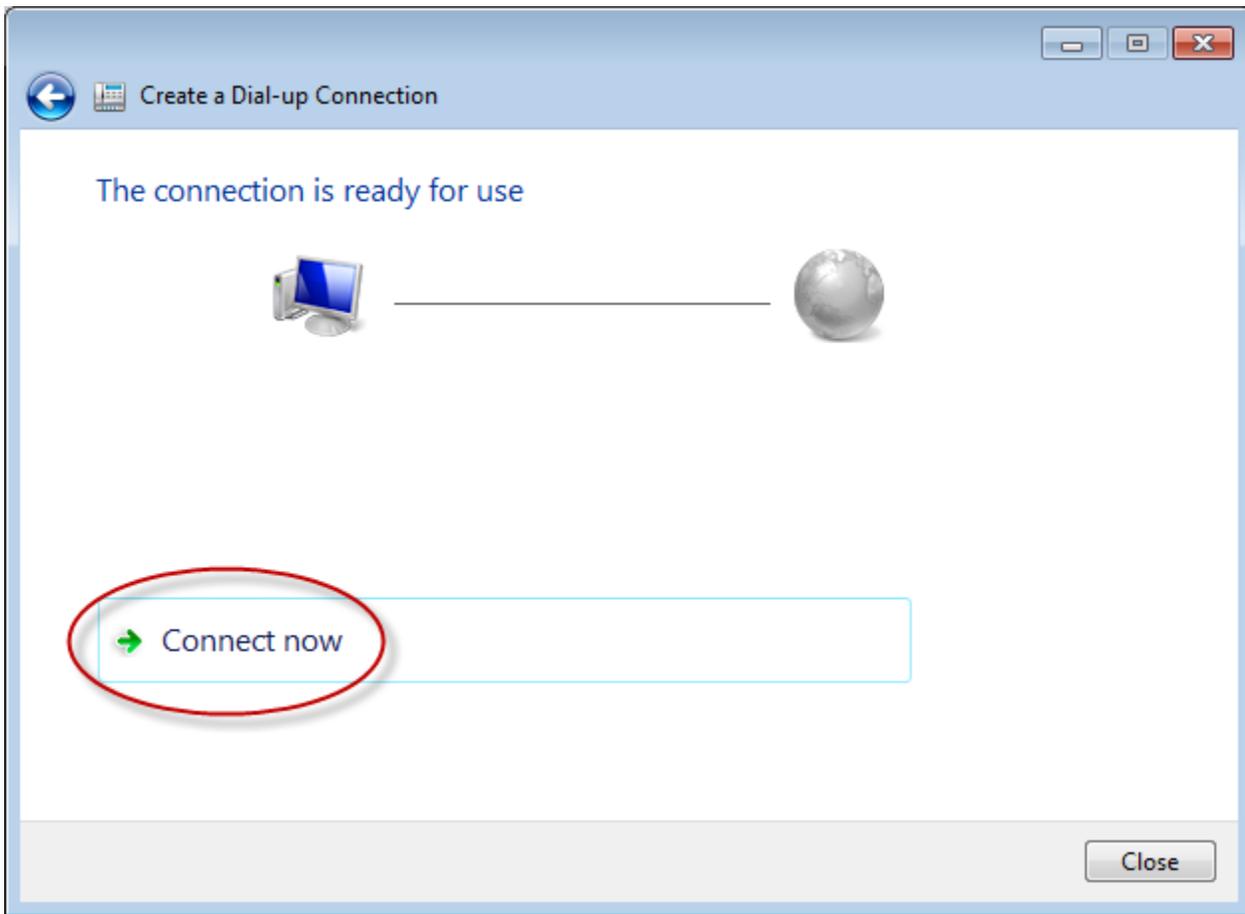
16. Enter the appropriate information from your ISP. You must enter a phone number, so if necessary enter a fictitious one. In the *Connection name* field, enter a unique name so that you can easily identify your new PPP connection. Click **Connect**.



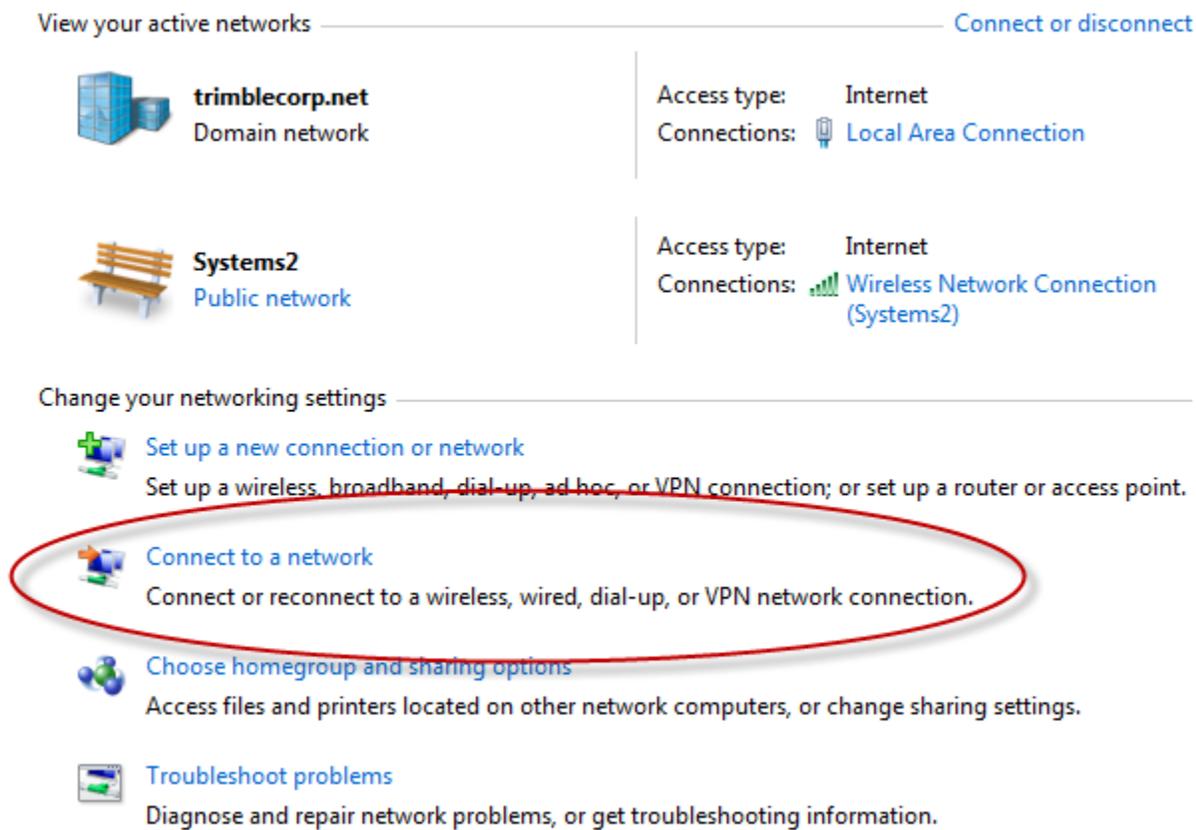
17. To skip the connection test, click **Skip**.



18. A message confirms that the connection is ready for use. Click **Close**.



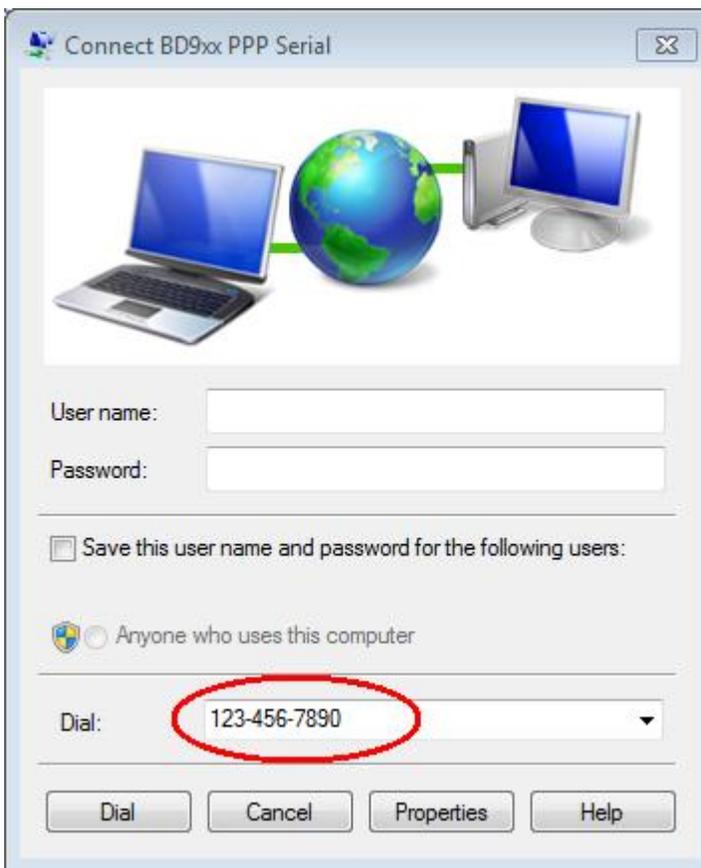
19. On the computer, click *Start / Control Panel / Network and Sharing Center* and then select *Connect to a network*.



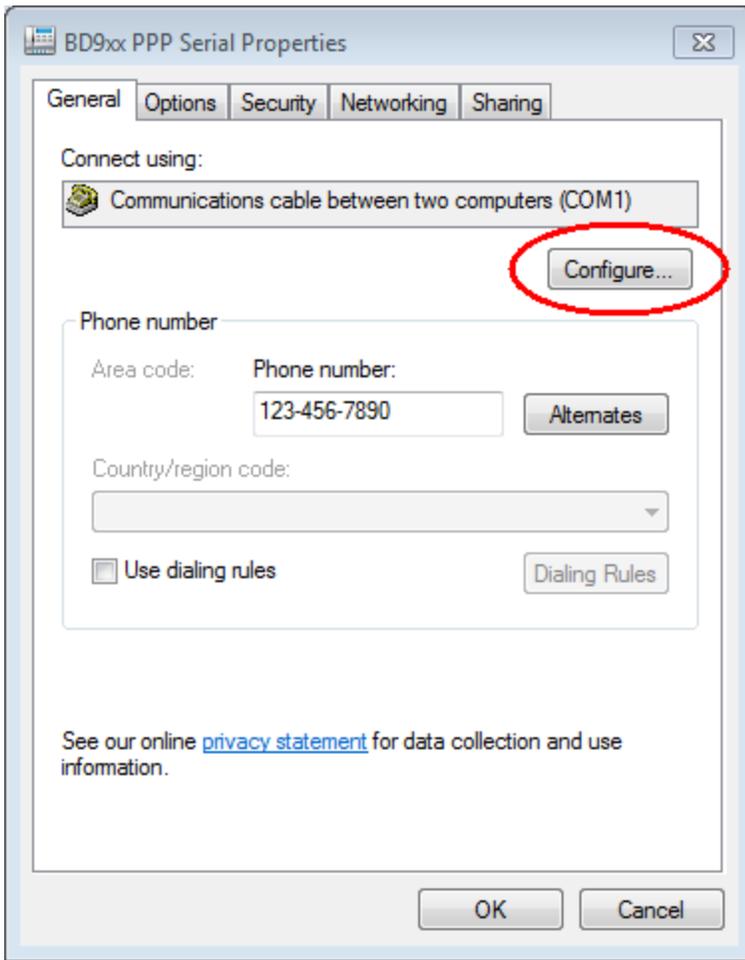
20. A list of available connections appears on the computer. Select the PPP connection you created and then click **Connect**.



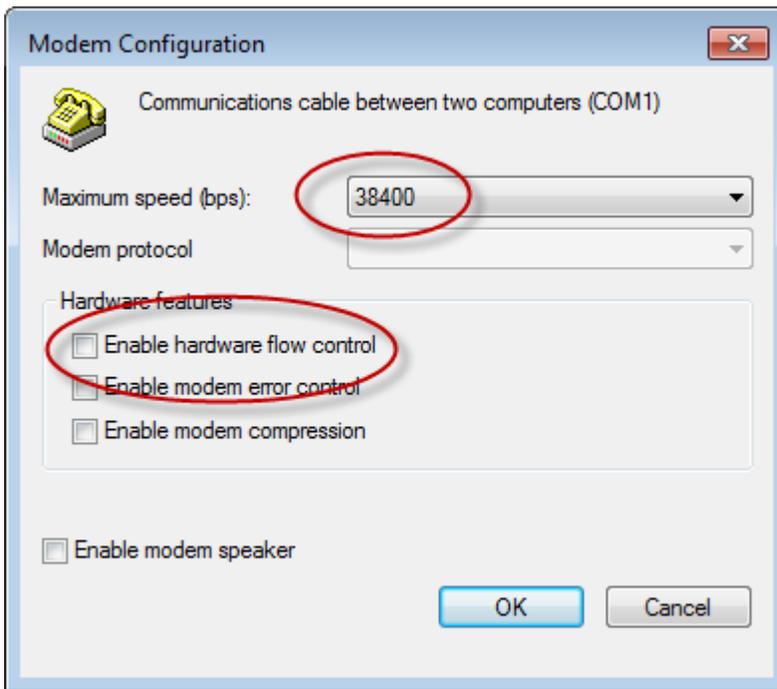
21. The *Connect* dialog appears. Click **Properties**.



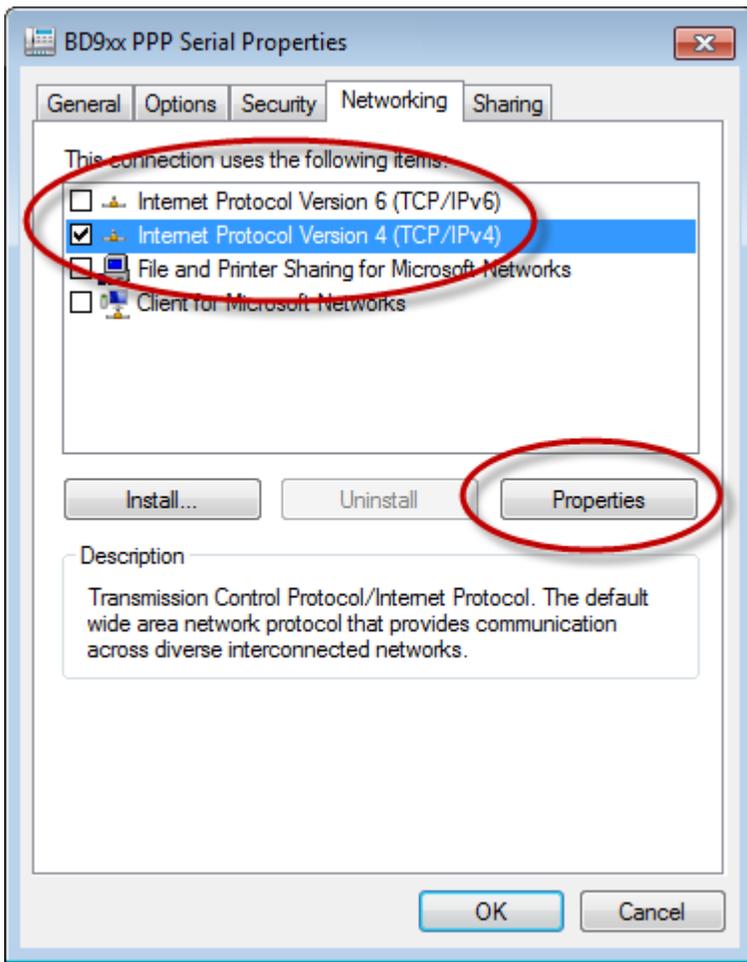
22. In the *Properties* dialog, select the *General* tab and then click **Configure**.



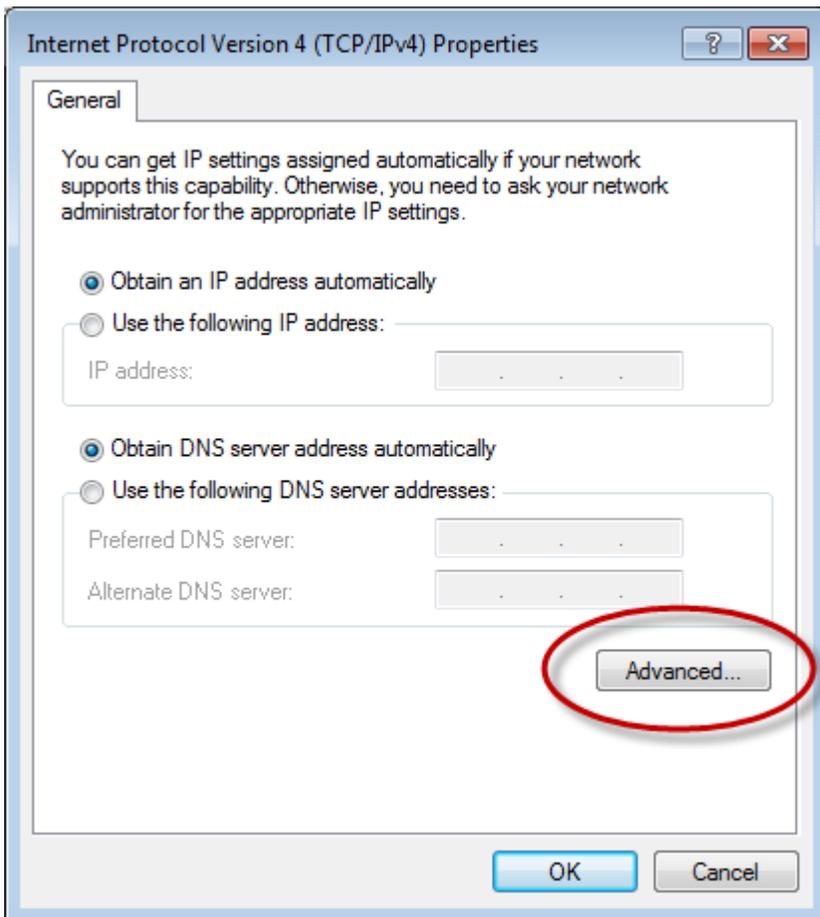
23. In the *Modem Configuration* dialog, change the value in the *Maximum speed* field to 38400. Make sure the *Enable hardware flow control* check box is *clear* and then click **OK**.



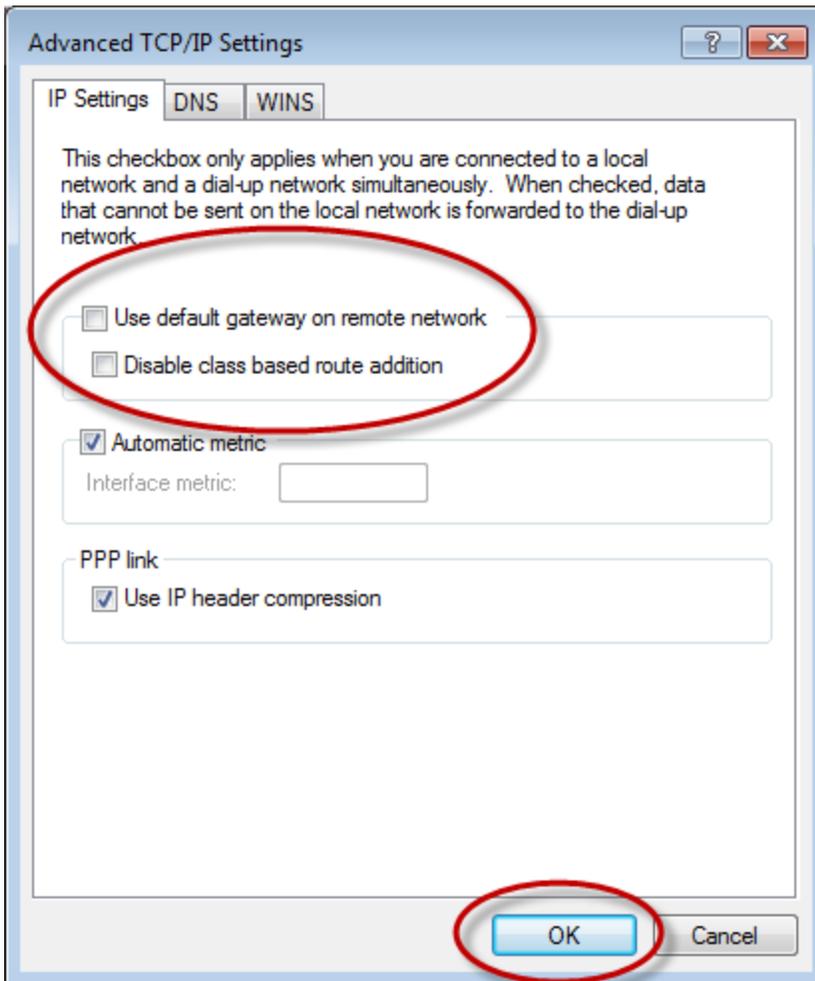
24. Return to the *Properties* dialog and select the *Networking* tab.
25. Clear the *Internet Protocol Version 6* check box and select the *Internet Protocol Version 4* check box. Click **Properties**.



26. In the *Internet Protocol Version 4* dialog, click **Advanced**.

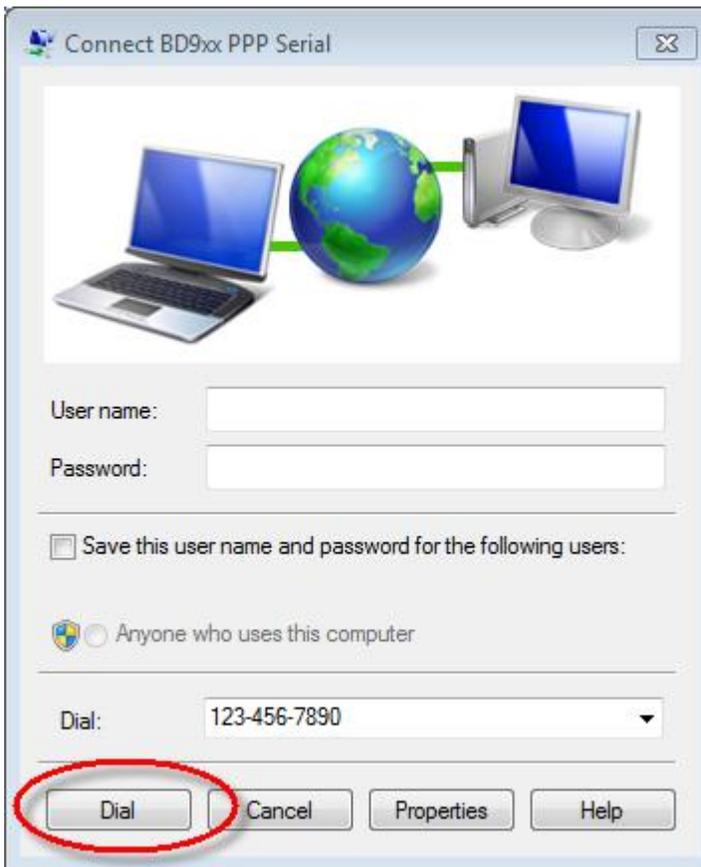


27. In the *IP Settings* tab, clear the *Use default gateway on remote network* check box. Click **OK**.



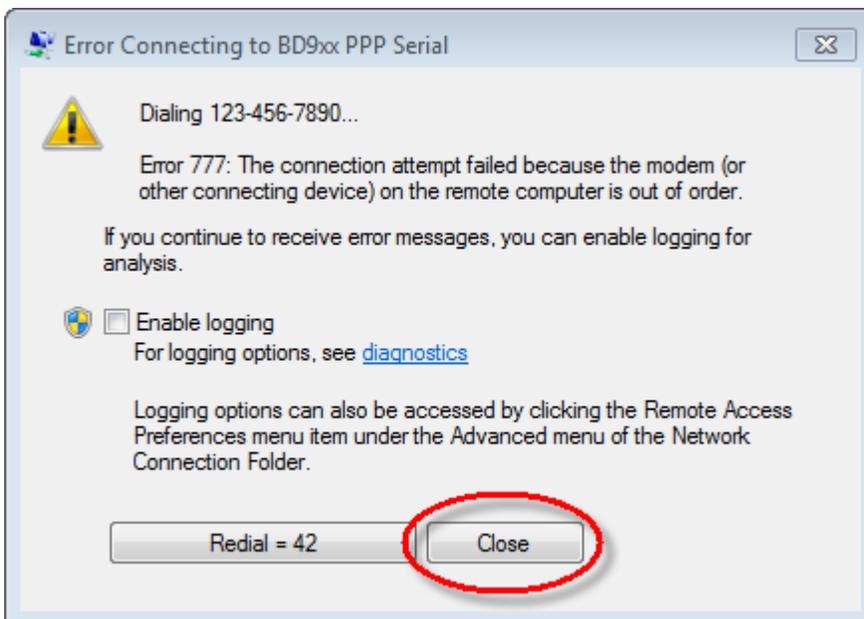
28. Click **OK** to return to the *Properties* dialog for the PPP connection.

29. Connect the receiver to the computer's COM1 port using a null modem serial cable. You do not need to enter a user name and password. Click **Dial**.



A dialing message appears.

If you receive a connection error similar to the one shown the issue may be a Microsoft driver issue:



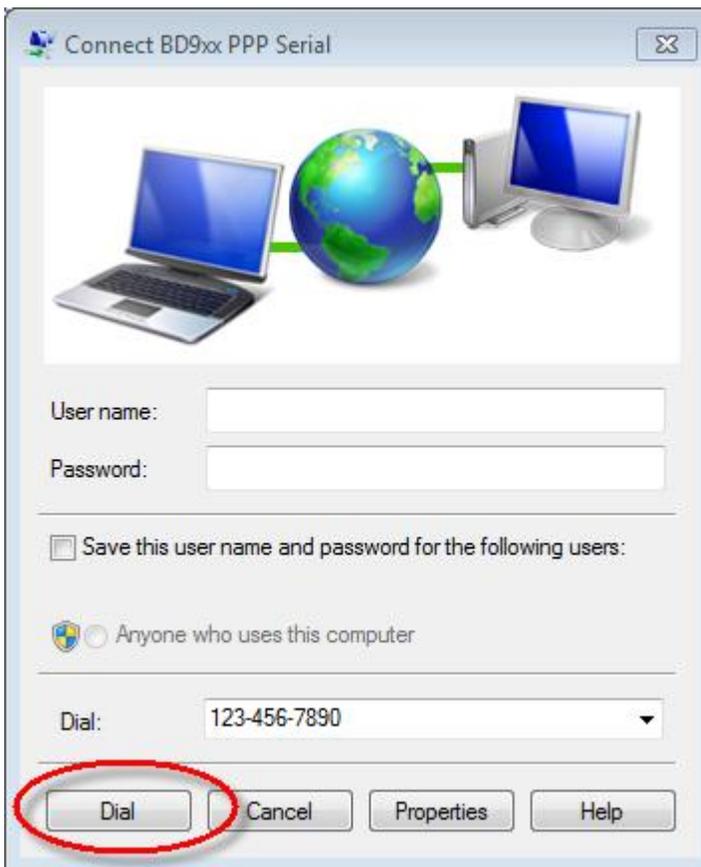
30. If this message does not appear, skip to step 33. If this message appears, do the following:

1. click **Close** .
2. Restart the computer.
3. Once restarted, try the connection again. To do this, return to the *Network and Sharing Center* in the computer's *Control Panel* and click *Connect to a network*.

31. From the connections list on the computer, select the PPP connection and then select Connect.



32. Connect the receiver to the computer at COM1 using a null modem serial cable. Click **Dial**. (No user name and password is required.)



A connection window appears, showing Dialing.

33. Once connected, return In the *View Active Networks* area. Your PPP connection appears:

View your active networks [Connect or disconnect](#)

 trimblecorp.net Domain network	Access type: Internet Connections:  Local Area Connection
 Systems2 Public network	Access type: Internet Connections:  Wireless Network Connection (Systems2)
 R8-3 PPP Serial Public network	Access type: No network access Connections:  R8-3 PPP Serial

Change your networking settings

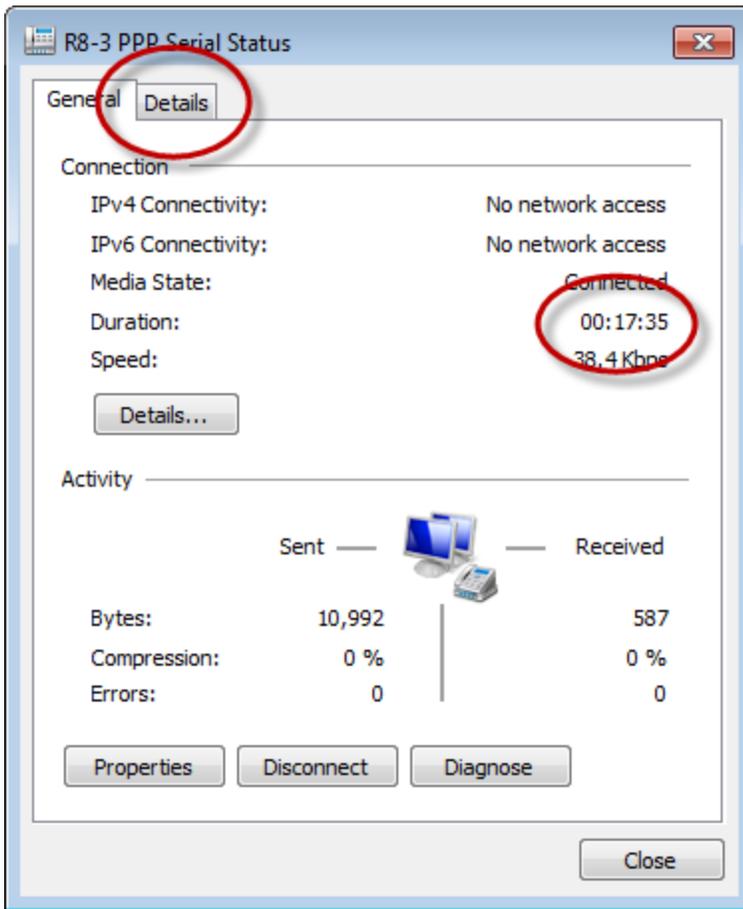
-  [Set up a new connection or network](#)
Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a router or access point.
-  [Connect to a network](#)
Connect or reconnect to a wireless, wired, dial-up, or VPN network connection.
-  [Choose homegroup and sharing options](#)
Access files and printers located on other network computers, or change sharing settings.
-  [Troubleshoot problems](#)
Diagnose and repair network problems, or get troubleshooting information.

34. To verify the connection is active, click the *Connections* link for the PPP connection:

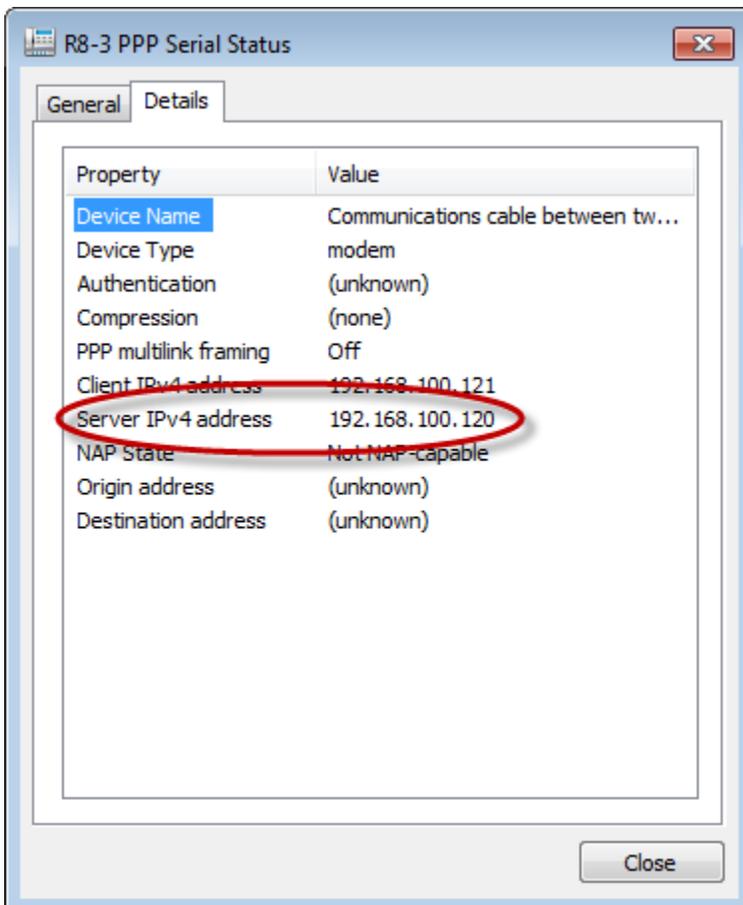
View your active networks [Connect or disconnect](#)

 trimblecorp.net Domain network	Access type: Internet Connections:  Local Area Connection
 Systems2 Public network	Access type: Internet Connections:  Wireless Network Connection (Systems2)
 R8-3 PPP Serial Public network	Access type: No network access Connections:  R8-3 PPP Serial

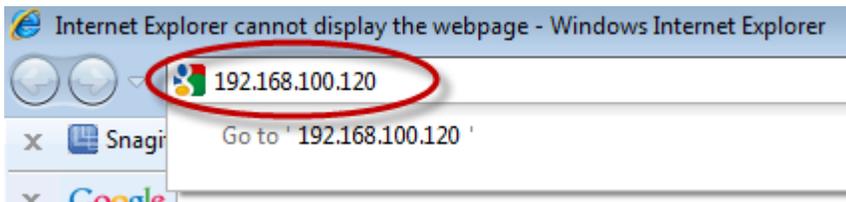
35. In the *Status* window, check the time duration and then select the *Details* tab.



36. In the *Details* tab, note down the information in the *Server IPv4 address* field:



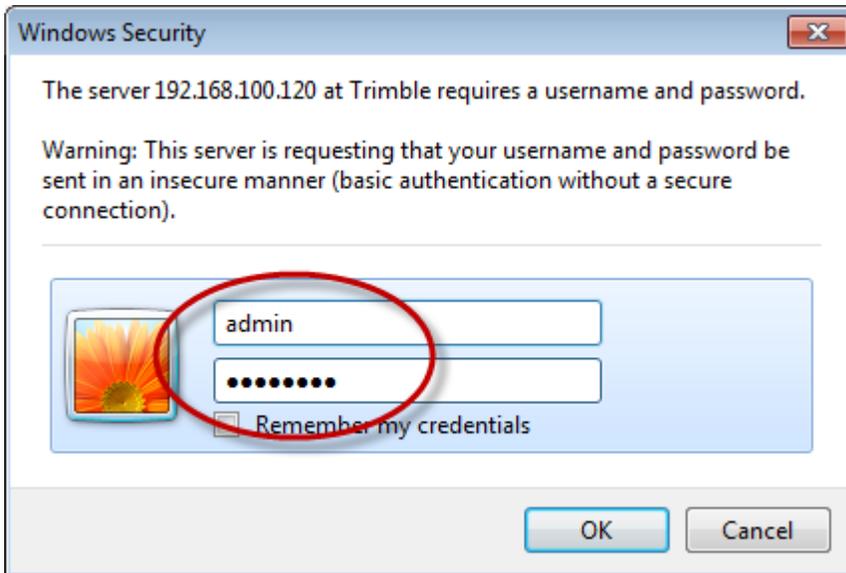
37. Open an Internet browser window and enter the Server IP address in the address line:



38. A *Windows Security* dialog appears. Enter the following information:

user name: **Admin**

password: **password**



Once connected successfully, a web page similar to the one below appears:

