

23. At this point the connect window will pop up. It will have a space to put in a User Name and Password. At this time these are left blank. Click on the “Properties” button. The General tab should now be showing and you should see a pull down menu titled Select a device.
24. Pull down the menu, by selecting the down arrow on the right. Select the device that was set up for UPLC™ communications. Then click on the “Configure” button and this will bring up a Modem Configuration window. If it isn’t already set select the Maximum speed to 115200. Nothing else should be checked. Now click “OK.”
25. Click on the Networking tab of the Properties window. Then highlight the Internet Protocol (TCP/IP), and then click on the “Properties” button.
26. Select the radio button titled “Use the following IP address:” and then enter 100.100.100.101 in the IP address location. Then click on the “OK” button.
27. The area titled “Type of dial-up server I am calling:” should have “PPP: Windows 95/98/NT 4/2000, Internet” selected. If that isn’t selected then select it.
28. Click the “OK” button
29. You are now ready to connect to the UPLC™ Front Panel.

This completes the Windows XP setup process.

Windows 7

1. If you are using an RS-232 to USB converter, make sure the drivers for the converter are installed and that they use a com port that does not change each time your computer is rebooted.
2. Click the “Start” button in the lower left hand corner of the screen.
3. Then click on the “Control Panel” button in the right hand panel to open the Control Panel.
4. **Note:** This write-up assumes your are using the control panel in the classic view.
5. Select the “Phone & Modem” button in the Control Panel.
6. Select the “Modems” tab in the Phone & Modem window.
7. Then click the “Add” button and this will open the Add Hardware Wizard.
8. Click on the check box that says “Don’t detect my modem; I will select it from a list.” Then click on the “Next” button.
9. In the box labeled Manufacturer, select “(Standard Modem Types)” and under models on the right, select “Communications cable between two computers” then click on the “Next” button.
10. Now select the serial port number that you will use to communicate to the UPLC™. Then click the “Next” button.
11. After a brief period of time, you should now see a box that says, “your modem has been set up successfully”. Then click on the “Finish” button. After a short delay you should then see the connection appear in the Modem tab of the “Phones and Modem” window.
12. Now click on the new modem connection to highlight it. A “Properties” button should appear at the bottom of the window. Click

- on this “Properties” button, and wait for the properties window to open.
13. When the properties window opens, click on “Change Settings” at the bottom of the window.
 14. Wait for a new properties window to open. Then click on the “Modem” tab and select the Maximum Port Speed pull down menu. Select a port speed of 115200. Then click on the “OK” button.
 15. Now click the “OK” button to close the Phone & Modem window.
 16. Now you have to set up the network connection. This is done by opening the Control Panel again and clicking on the Network and Sharing Center Icon.
 17. When the Network and Sharing Center window opens, click on “Set up a new connection or network” of the window under the heading, Change your networking settings.
 18. When the Choose a connection option window opens, just click on “Setup a dial-up connection”. And then click the “Next” button.
 19. If you have more than one modem connected, you will get a popup box that asks “Which modem do you want to use?” Choose the one that says “Communications cable between two computers.” If you only have one connection, you may not see this popup box and will go directly to step 20.
 20. In the Dial-up phone number box, type any number. A suggestion might be to type a 1.
 21. In the box labeled, Connection Name, enter a name for the connection, that you will recognize. A suggestion might be UPLC Serial Connection. Then click the “Connect” button. It will attempt to dial the connection. Wait until it times out and you get a box that says, Connection failed with error 777. In this box you will have two choices. Select the “Set up the connection anyway” choice.
 22. You will now get a box that says “The connection to the Internet is ready to use.”
- Click the “Close” button in this box. The computer will take you back to the Network and Sharing center window. At this point click on the choice, “Connect to a network”. A new box will pop up which lists the connections available. You should see the new connection with the name you selected. Move the mouse to that connection and right click, then select Properties.
23. In the Connect using: you should see the words “Communication cable between two computers (COMX)” device. Where COMX is the COM port you had set up before. For most computers this will be COM1. Click on it to select it. At this point select the move down to the dummy phone number you put in and remove it.
 24. Now click on the “Configure” button below the box in the previous step. The “Modem Configuration” window pops up. Be sure the Maximum speed is set to 115200 bps. Also make sure the “Enable hardware flow control” box is checked. Now click the “OK” button.
 25. Now click on the “Options” tab. Uncheck the “Prompt for name and password, certificate, etc.” box. Also uncheck the “Prompt for phone number” box.
 26. Click on the box labeled “PPP Settings.” The only box that should be checked is “Enable LCP extensions.” Uncheck all others.
 27. Click the Networking tab of the Properties window. Then highlight Internet Protocol Version 4 (TCP/IPv4), and then click on the “Properties” button.
 28. Select the radio button titled “Use the following IP address:” and then enter 100.100.100.101 in the IP address location. Then click on the “OK” button.
 29. Click the “OK” button
 30. You are now ready to connect to the UPLC™ Front Panel.

This completes the Windows 7 setup process.

Connecting to the UPLC with this Serial Port

1. Connect your serial cable to the serial port selected as COMX or if using a USB to serial converter connect the USB end to a USB port on your computer.
2. Then connect the other end of the cable to the UPLC™.
3. Either select the connections icon on the system tray if you have one, or open the Network and Sharing Center.
4. If you selected the network connections icon from the system tray, the “Connections are available” dialog box will appear. Skip to step 6.
5. If you opened the Network and Sharing Center, click on “Connect to a network” under the Change your networking settings. This will pop up the same “Connections are available” dialog box as in step 4.
6. Click on the connection that has the name you used for the UPLC™. Then click on the “Connect” button.
7. Several Dialog boxes will pop up and disappear. Some will be slow and some will be very fast. The last one will say “Connected.”
8. If you want, you may select the network connection icon in the system tray and under the UPLC connection, the word *connected* will appear.
9. Now open internet explorer and in the URL box, type “http://100.100.100.100/” and press return. At this point, the UPLC™ password box will pop up. Type in the UPLC™ username and password that has been setup for your use.
10. The home screen for the UPLC™ should now appear after a short delay.
11. Do the work you need to do.

12. When you have completed your work, *do not disconnect the serial cable from your computer*. At this point, instead, click on the Log out in the upper left hand corner of the home screen.
13. Click “OK” to the dialog box that appears. Then click “yes” to the Question, “Do you want to close internet explorer.” *Do not unplug the serial cable from your computer or the UPLC™ until you complete step 14.*
14. Next, click the network icon in the system tray and click on the UPLC™ connection, then click on the Disconnect box.

This completes your connection session with the UPLC™.

Warning: If you do not perform steps 12, 13 and 14 before disconnecting your computer, on UPLC™ versions 2.05 and less, you will have to reboot the UPLC™ before you will be able to connect again. On versions greater than 2.05, you will not have to reboot but you will have to wait before you can reconnect again by the amount set in the time-out setting on the administration page (30 minutes by default).