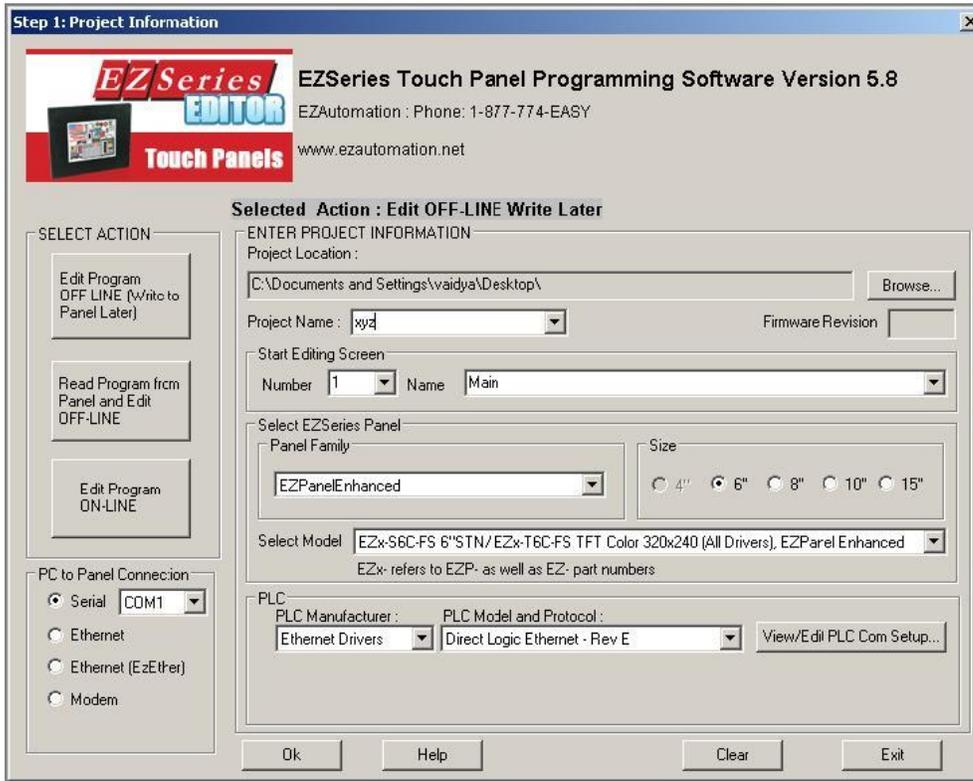


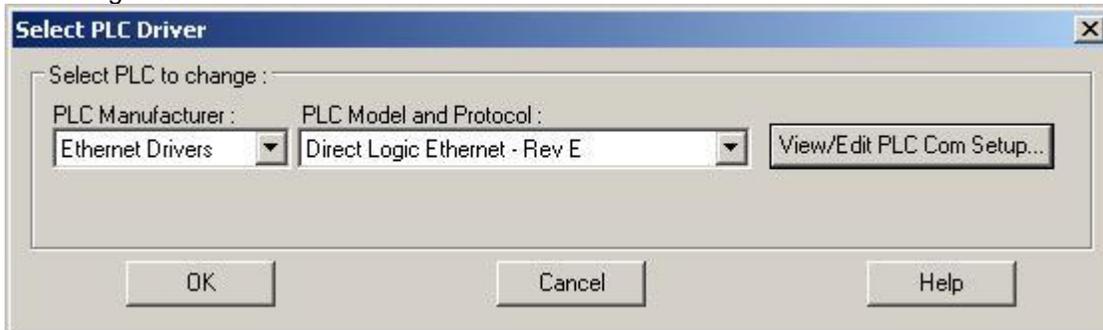
# EZ-ETHERNET APPLICATION GUIDE



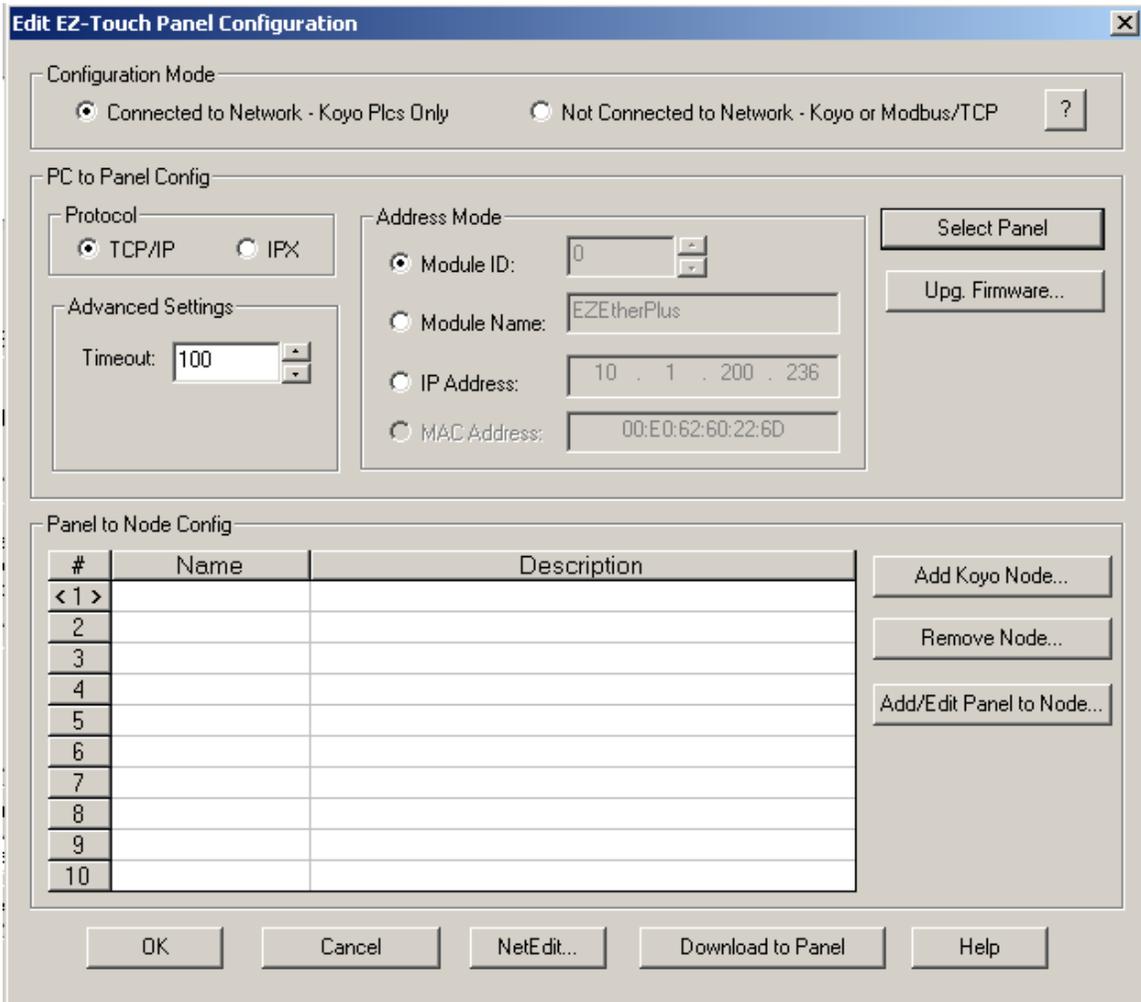
1. Select DirectLogic Ethernet Rev D as the PLC Type and Protocol.



2. Once the information above is entered click the OK button.
3. Using a standard Category 5 Ethernet patch cable connect the panel to an available ethernet network using a switch, hub, or router.
4. Once your project is open go to SETUP > SELECT PLC... You will see the following dialog box.



- Click on the VIEW/EDIT PLC COM SETUP button to see the following dialog



**Edit EZ-Touch Panel Configuration**

Configuration Mode

Connected to Network - Koyo Plcs Only     Not Connected to Network - Koyo or Modbus/TCP

PC to Panel Config

Protocol:  TCP/IP     IPX

Address Mode

Module ID: 0

Module Name: EZEtherPlus

IP Address: 10 . 1 . 200 . 236

MAC Address: 00:E0:62:60:22:6D

Advanced Settings

Timeout: 100

Buttons: Select Panel, Upg. Firmware...

Panel to Node Config

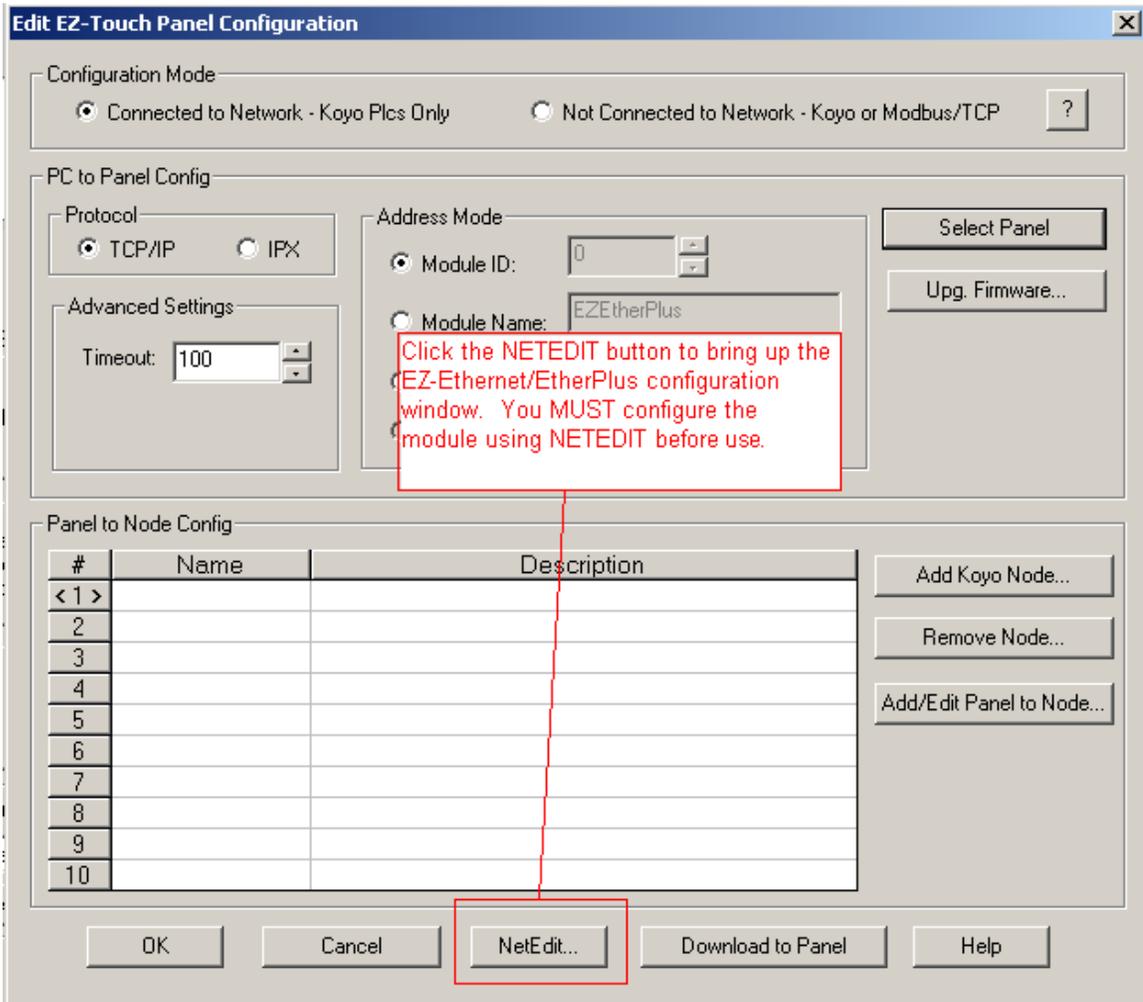
#	Name	Description
< 1 >		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Buttons: Add Koyo Node..., Remove Node..., Add/Edit Panel to Node...

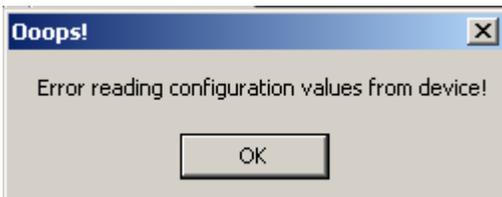
Buttons: OK, Cancel, NetEdit..., Download to Panel, Help

- First the EZ-Ethernet/EtherPlus module must be configured; the following steps will explain the configuration using NETEDIT (NetEdit setup steps 7-12).

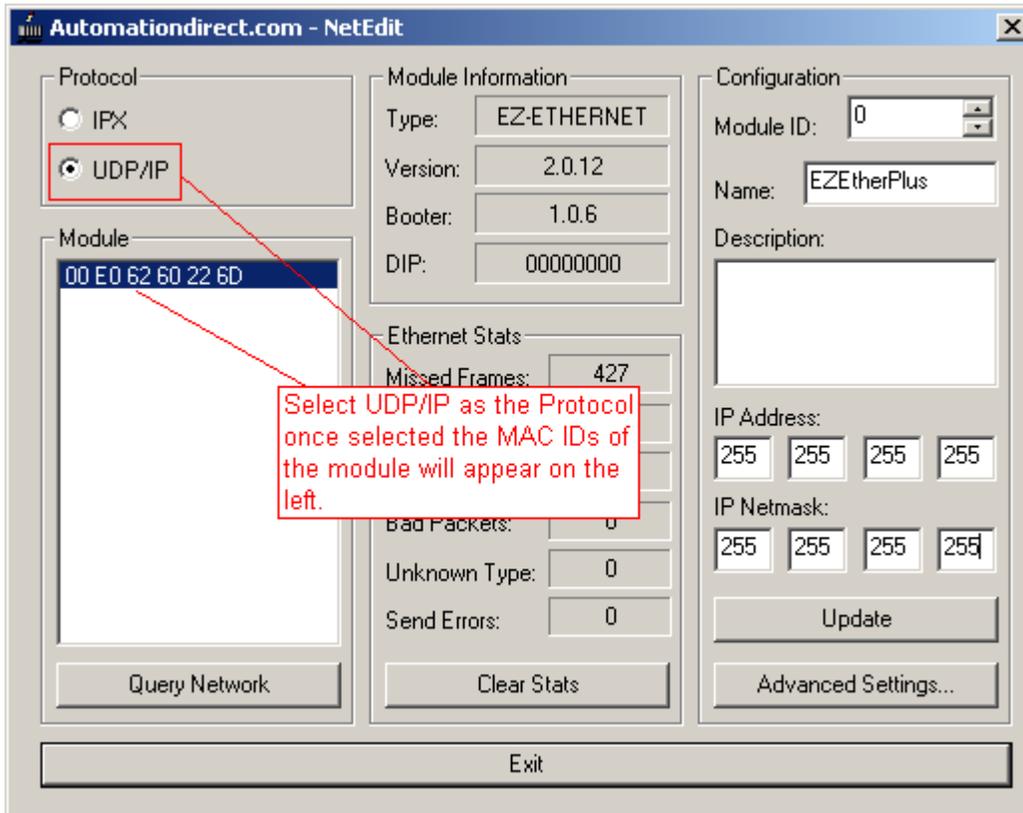
7. Click on the NETEDIT button as shown below.



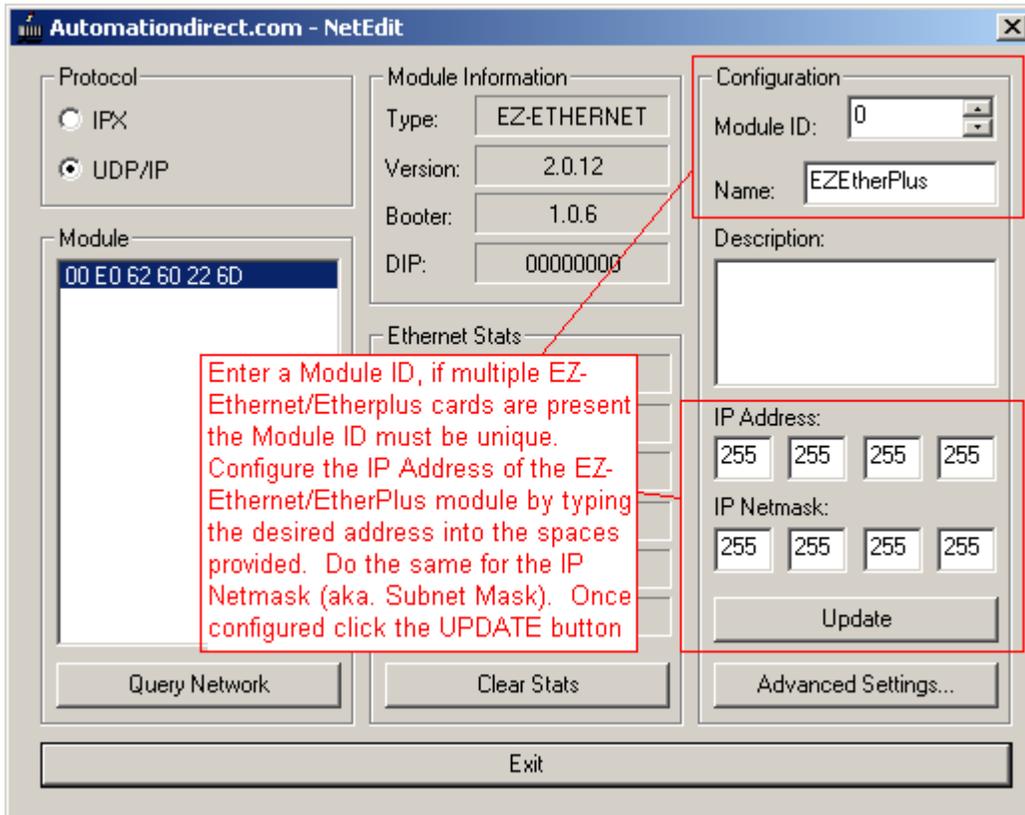
8. Clicking the NETEDIT button will typically produce the following error; this is because the NETEDIT program defaults to IPX protocol, when using a standard TCP/IP network IPX is not a default protocol. Click OK on the error to proceed.



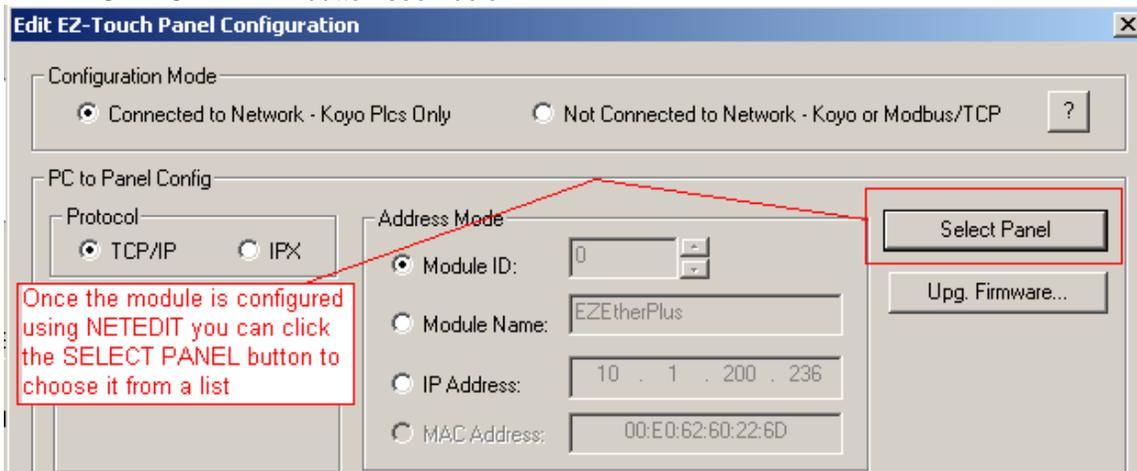
9. After clicking OK on the error you will see the following dialog.



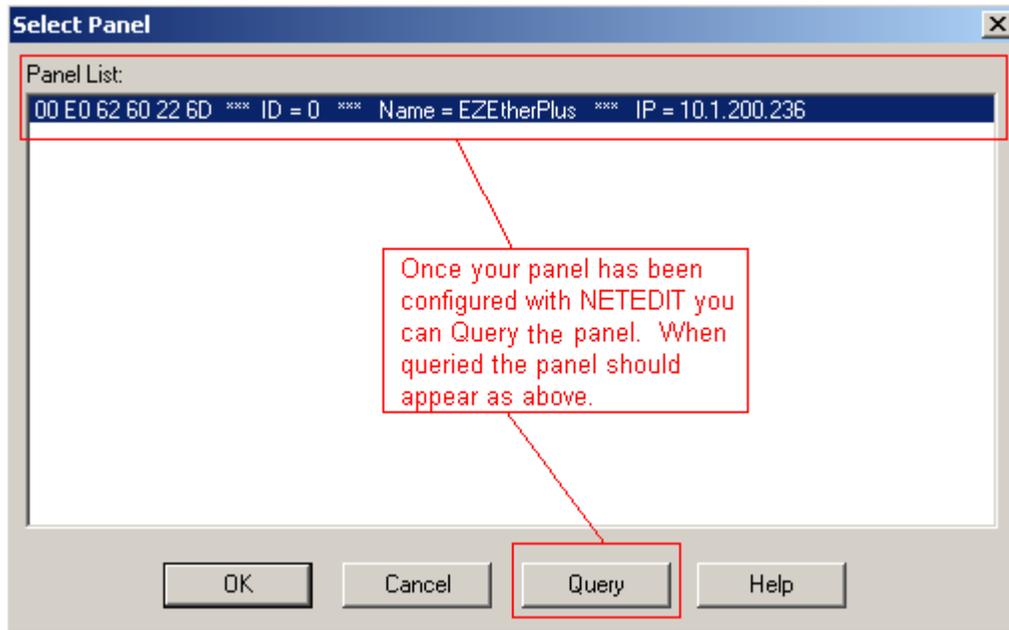
10. Select UDP/IP for the protocol as shown above.
11. Once UDP/IP is selected you should see the MAC IDs (Hardware Addresses) of the available EZ-Ethernet/EtherPlus cards or any Koyo (DirectLogic) PLCs available on the network. Click on the MAC ID as shown above to bring up the modules information.
12. Once the MAC ID is selected you must configure the attributes of the module as shown below. First configure the MODULE ID, then the IP ADDRESS, and then the IP NETMASK (SUBNET MASK). Once finished click the UPDATE button as shown below.



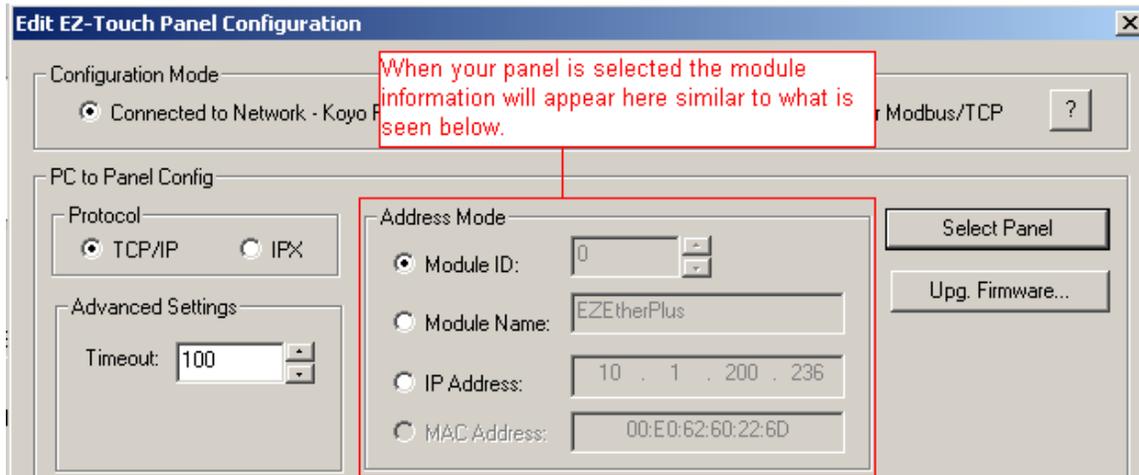
13. Clicking EXIT in the NETEDIT window will take you back to the previous configuration screen.
14. Once the module has been configured you will be able to query the panel using the SELECT PANEL button seen below.



15. Clicking the SELECT PANEL button will cause the following dialog to appear. As long as steps 7-12 were completed correctly your panel should appear in the window. If the panel does not appear be sure you have TCP/IP selected as the protocol type.



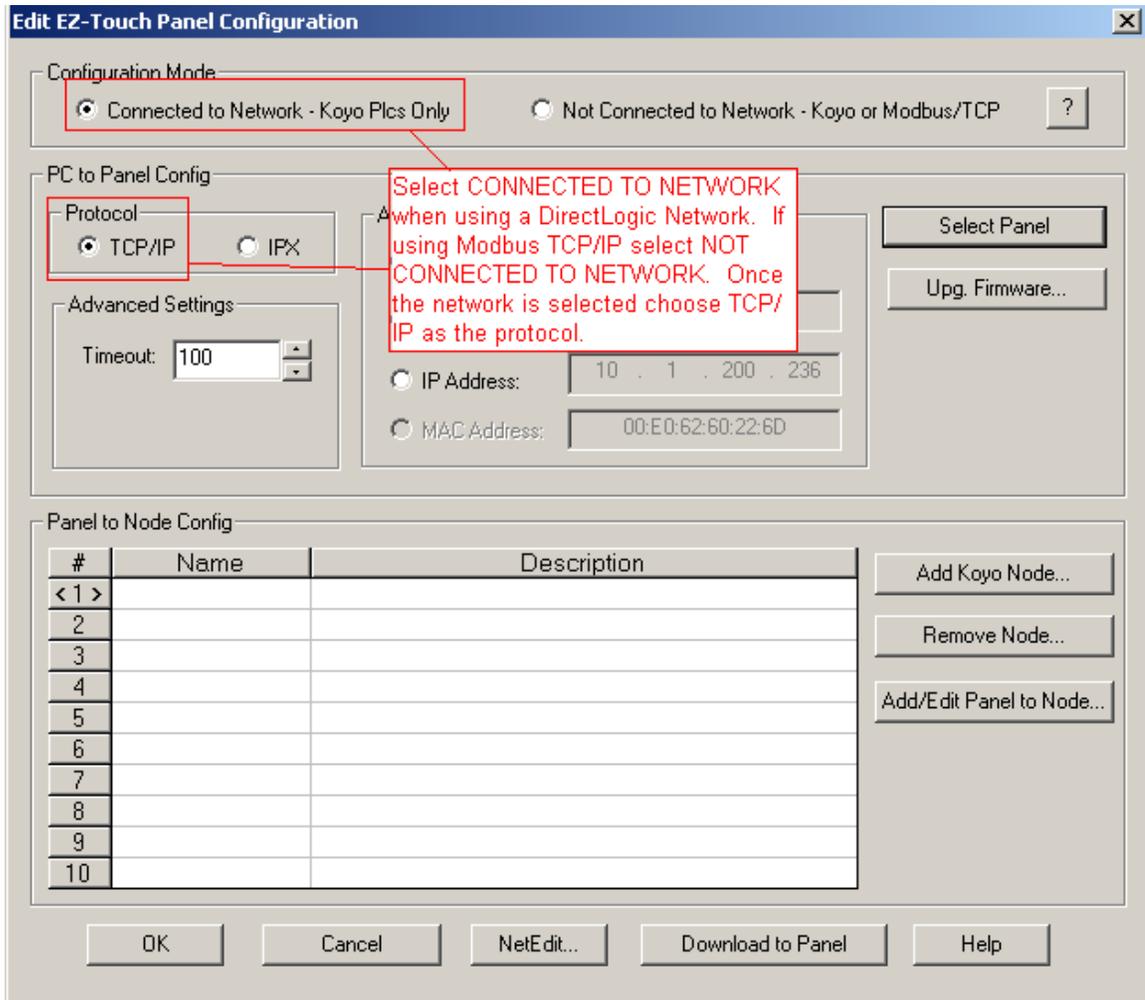
16. Click on the desired panel so that it is highlighted as above then click OK to select the panel.
17. Once the panel is selected your configuration screen should be similar to what is seen below.



# EZ-ETHERNET APPLICATION GUIDE

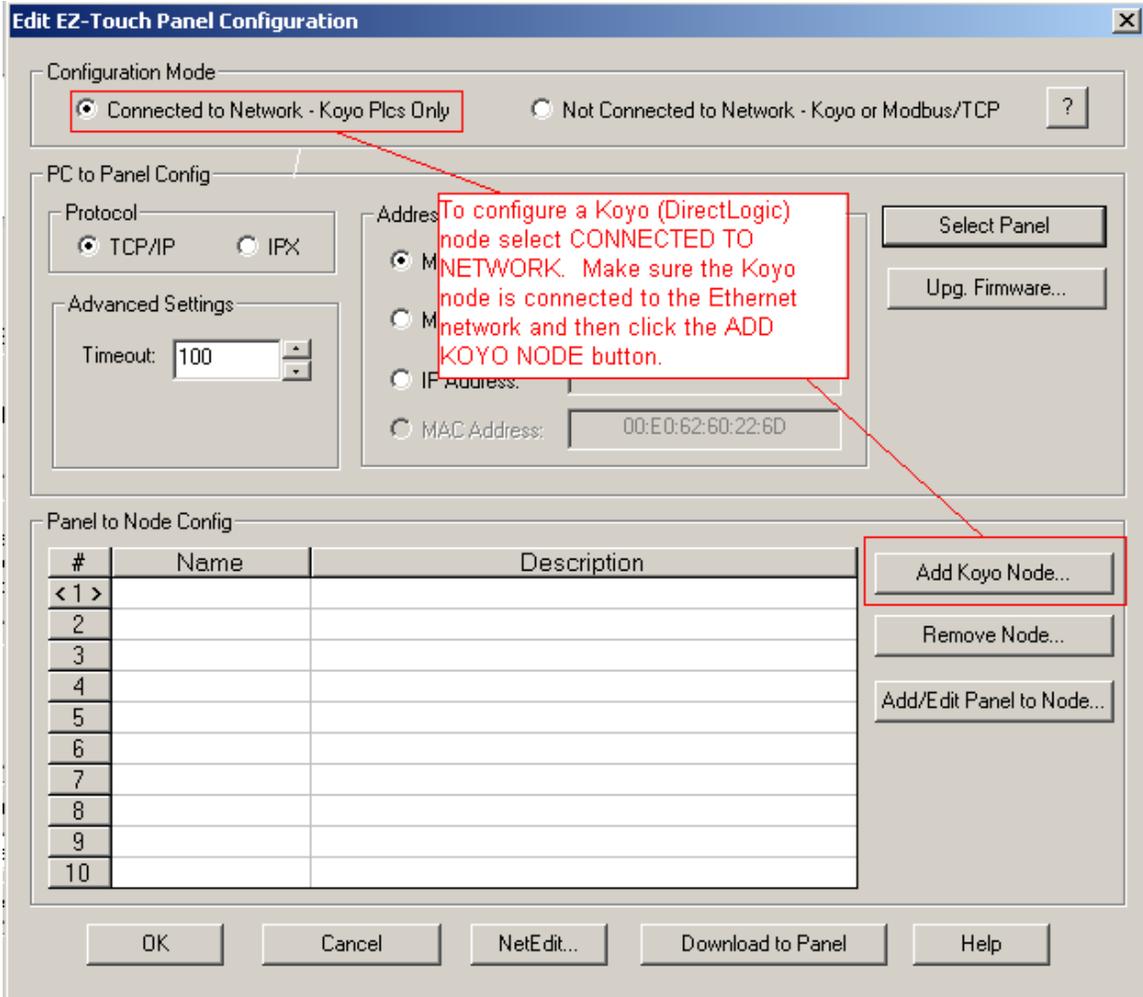


Use the following steps to configure the EZTouch/EZPanel for communication on a DirectLogic E-Com network.

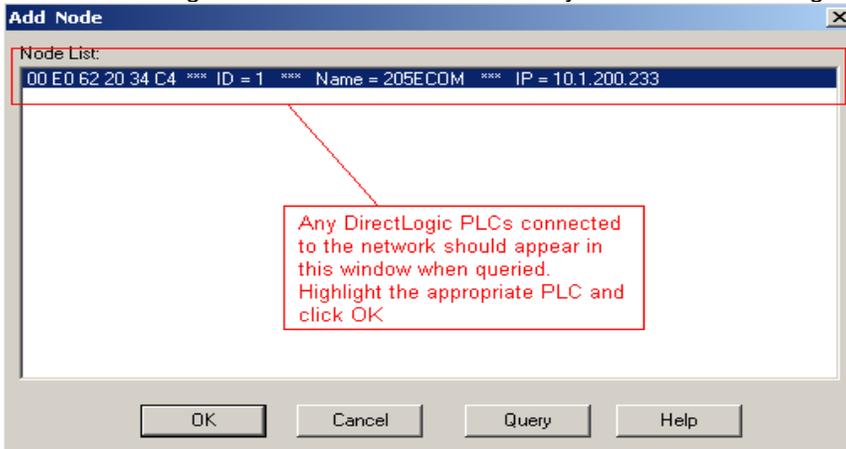


18. Select CONNECTED TO NETWORK as the configuration mode
19. Select TCP/IP as the protocol.
20. If you have already configured your EZ-Ethernet/EtherPlus module then proceed to the next step, if not then you must complete steps 7-12. If you have already completed steps 7-12 then proceed to step 21.

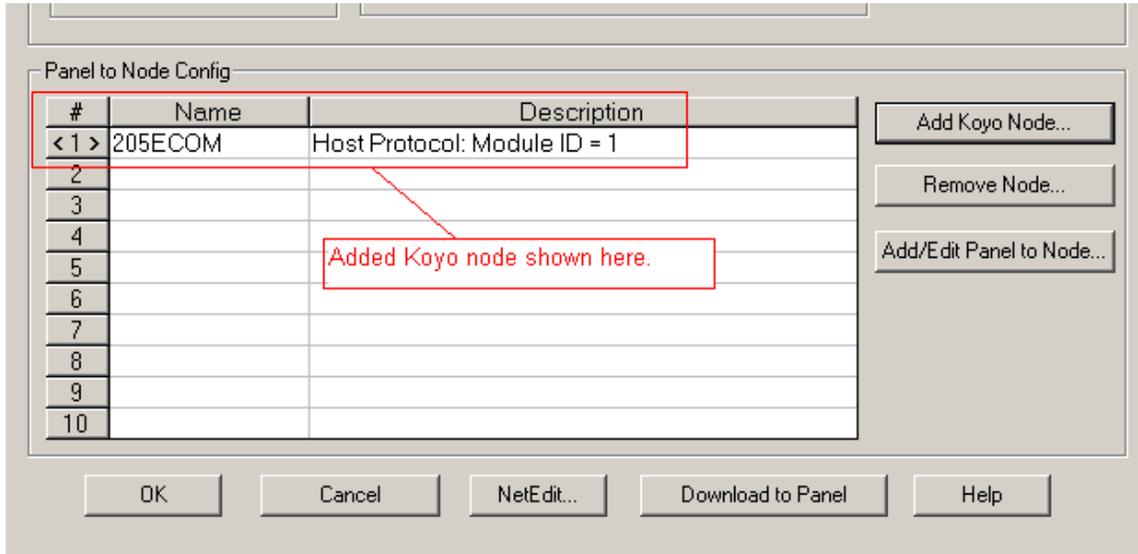
21. Make sure your DirectLogic PLC is connected to your Ethernet Network using a standard category 5 ethernet patch cable. Then click the ADD KOYO NODE button as seen below.



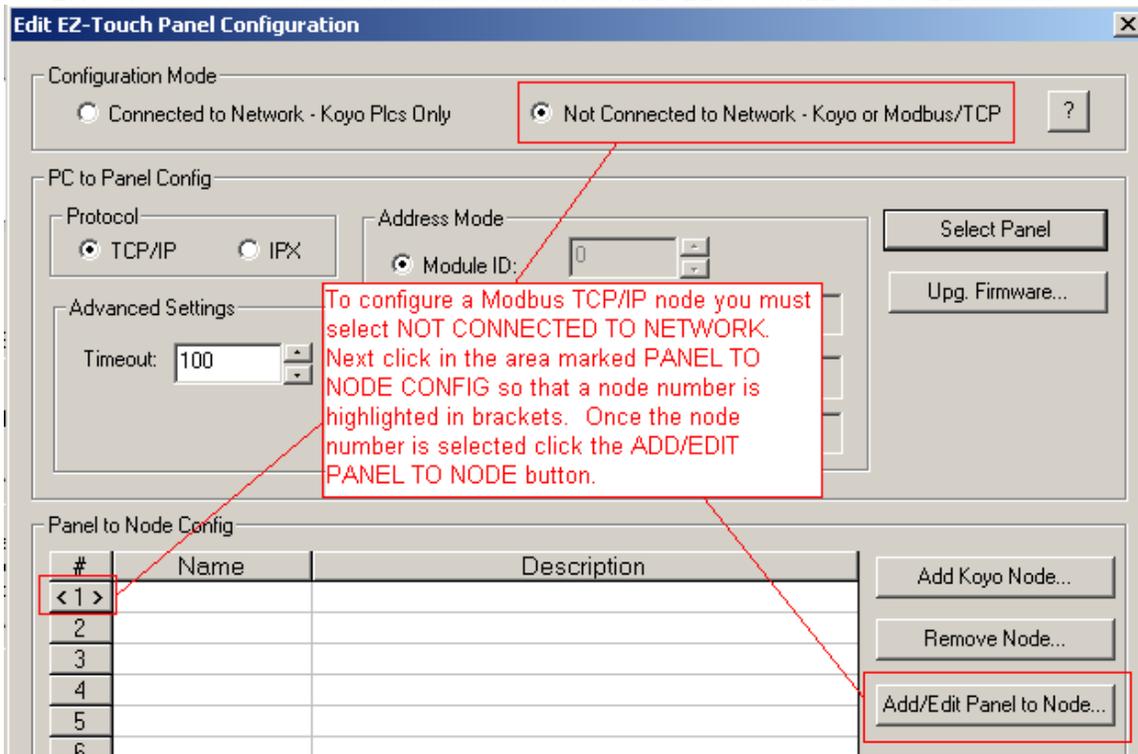
22. After clicking the ADD KOYO NODE button you will see the dialog shown below.



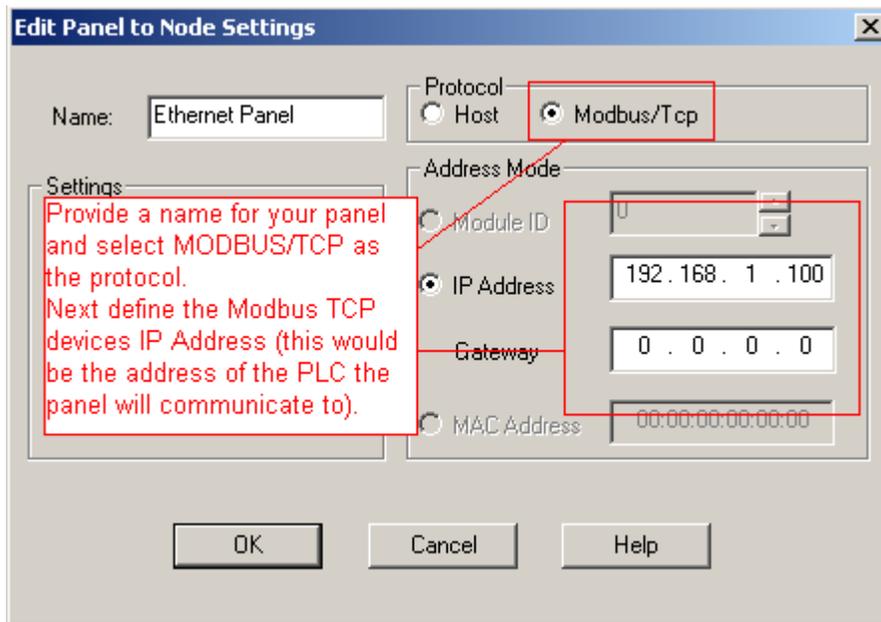
23. Once the Koyo node is added, your PLC configuration will look similar to this



24. Use the following steps to configure the EZTouch/EZPanel for communication on a Modbus/TCP network.
25. To configure the Modbus/TCP network you must select NOT CONNECTED TO NETWORK.
26. Next click in the area marked PANEL TO NODE CONFIG so that a node number is highlighted in brackets.
27. Once the Node number is selected click the ADD/EDIT PANEL TO NODE button.



28. Clicking on the ADD/EDIT PANEL TO NODE button will produce the following dialog.



29. Provide a name for you panel in the space provided.
30. Select Modbus/TCP as the protocol.
31. Finally define the IP Address used by the Modbus device.
32. Once the node is configured click the OK button to add it to the list.
33. After the PLC is configured you can click OK to exit the EDIT EZ-TOUCH PANEL CONFIGURATION window.
34. Next click OK to exit the SELECT PLC DRIVER window.
35. The final step is to select ETHERNET as the current communication method. To do so click PANEL > COM CONFIGURATION... Select ETHERNET from the list. Clicking on the SELECT PANEL button will produce the same dialog seen in steps 14-17. Once the correct panel is selected click OK to exit the COM CONFIGURATION dialog.

All that remains is to do is load the project to the panel.