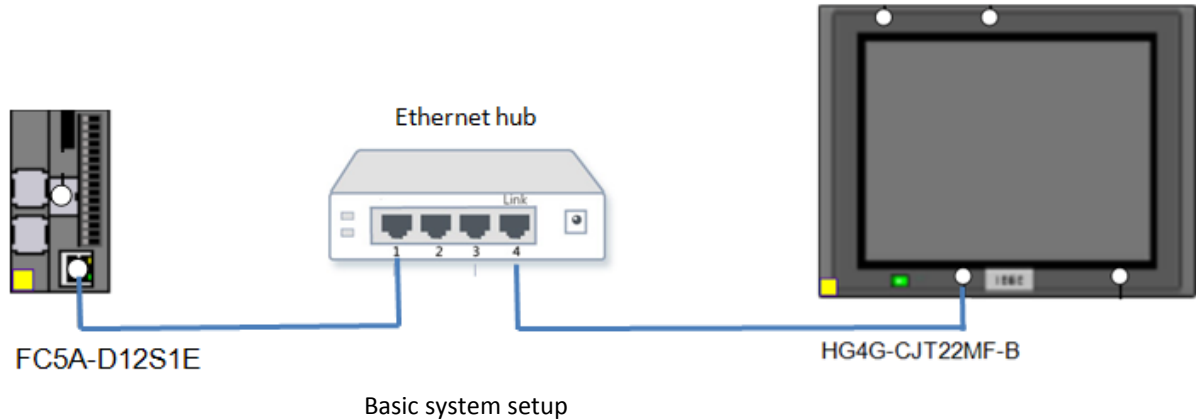


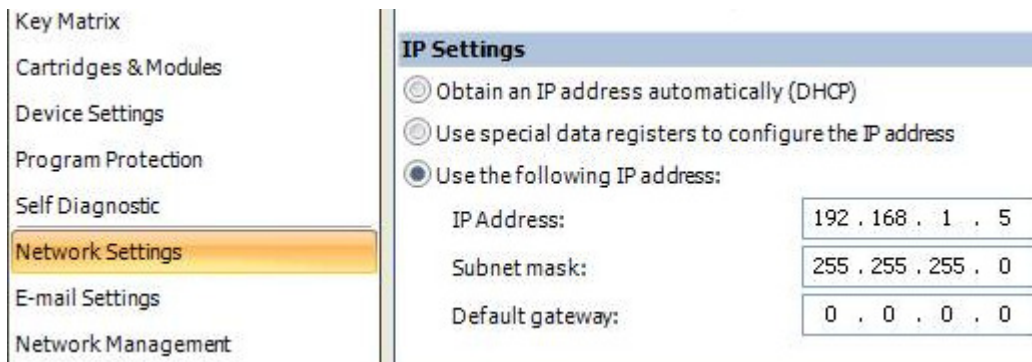
Application Notes

How to configure FC5A-D12% CPU as Host Interface to HG2G/3G/4G Touchscreen over Ethernet



The purpose of the document is to show users how to configure IDEC Ethernet CPU FC5A-D12% as a host interface to the IDEC HG2G, HG3G or HG4G operator interface touchscreen using IDEC Ethernet maintenance protocol.

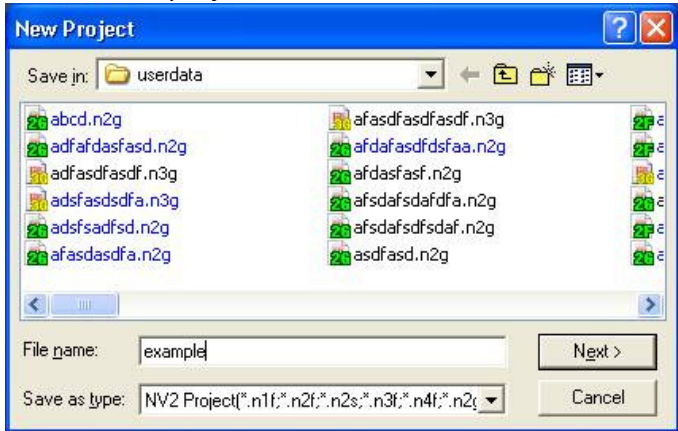
1. In WindLDR, click on Configuration tab → Network Settings
2. In this tutorial, we'll use default settings for FC5A-D12% CPU
 - a. IP Address: 192.168.1.5
 - b. Subnet mask: 255.25.255.0



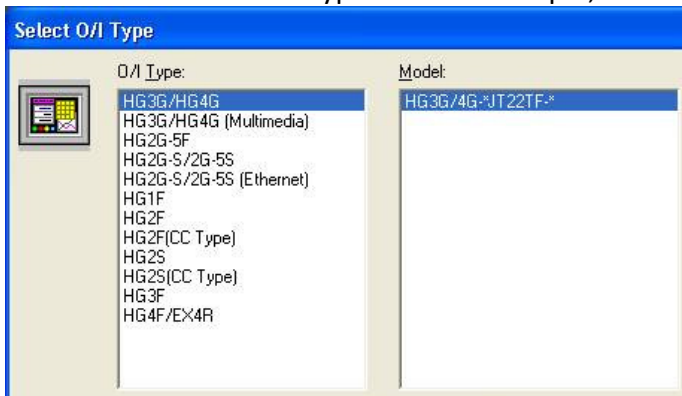
3. Download ladder program (could be blank program without any ladder logic) to FC5A-D12% CPU

Application Notes

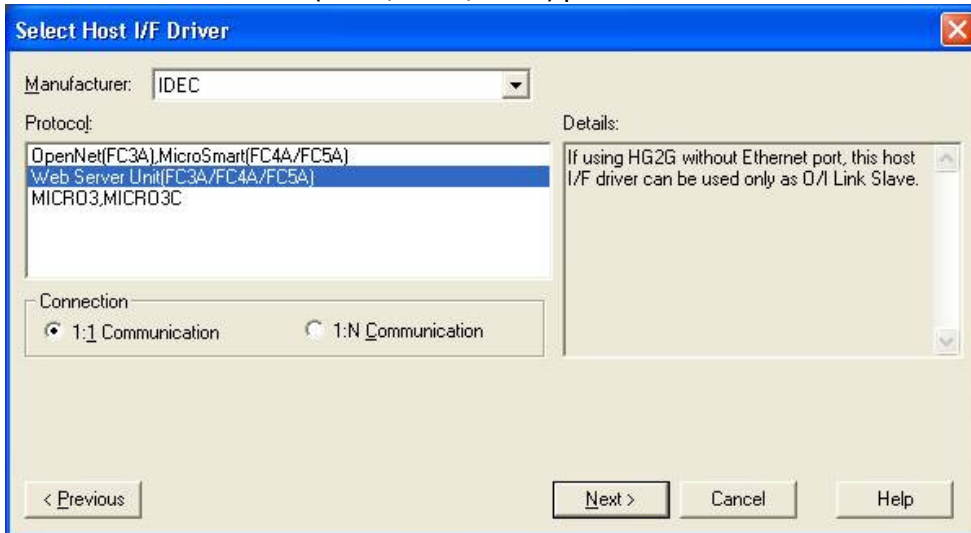
4. Launch WindO/I-NV2 software. Start a new project.
5. Enter a new project filename.



6. Select HG Touchscreen type. In this example, we'll select HG3G/HG4G.

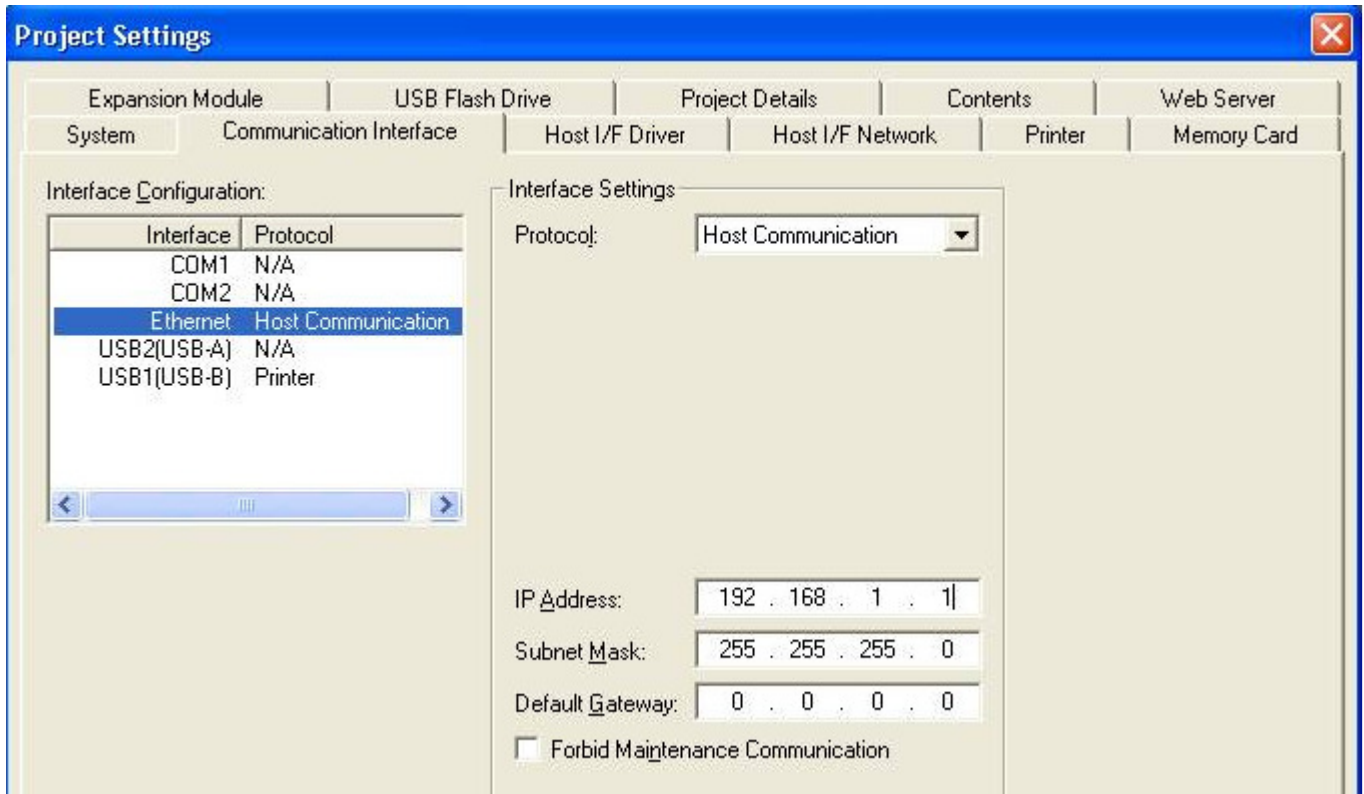


7. Select Web Server Unit (FC3A/FC4A/FC5A) protocol.

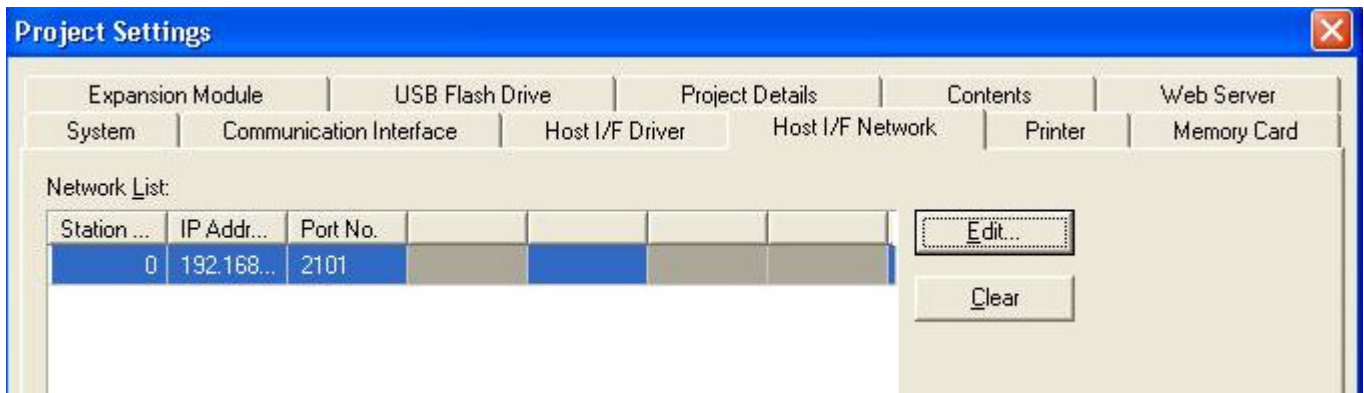


Application Notes

8. Under Project Settings → Communication Interface, enter the HG Touchscreen IP address and Subnet mask. In this tutorial, we'll use:
 - a. IP Address: 192.168.1.1
 - b. Subnet mask: 255.255.255.0

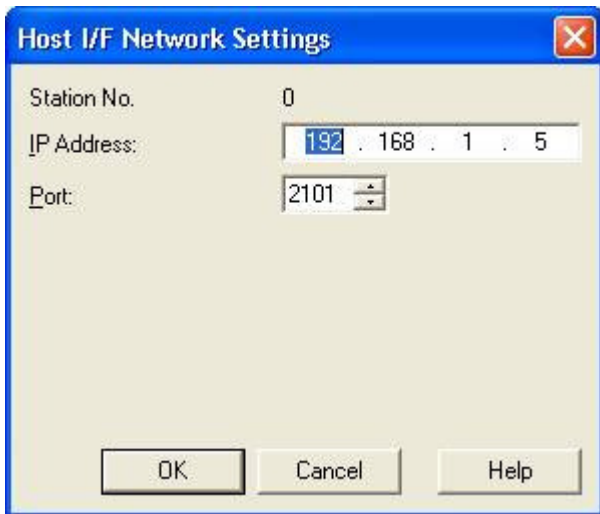


9. Click Host I/F Network tab.
10. Select Station 0 and click Edit.

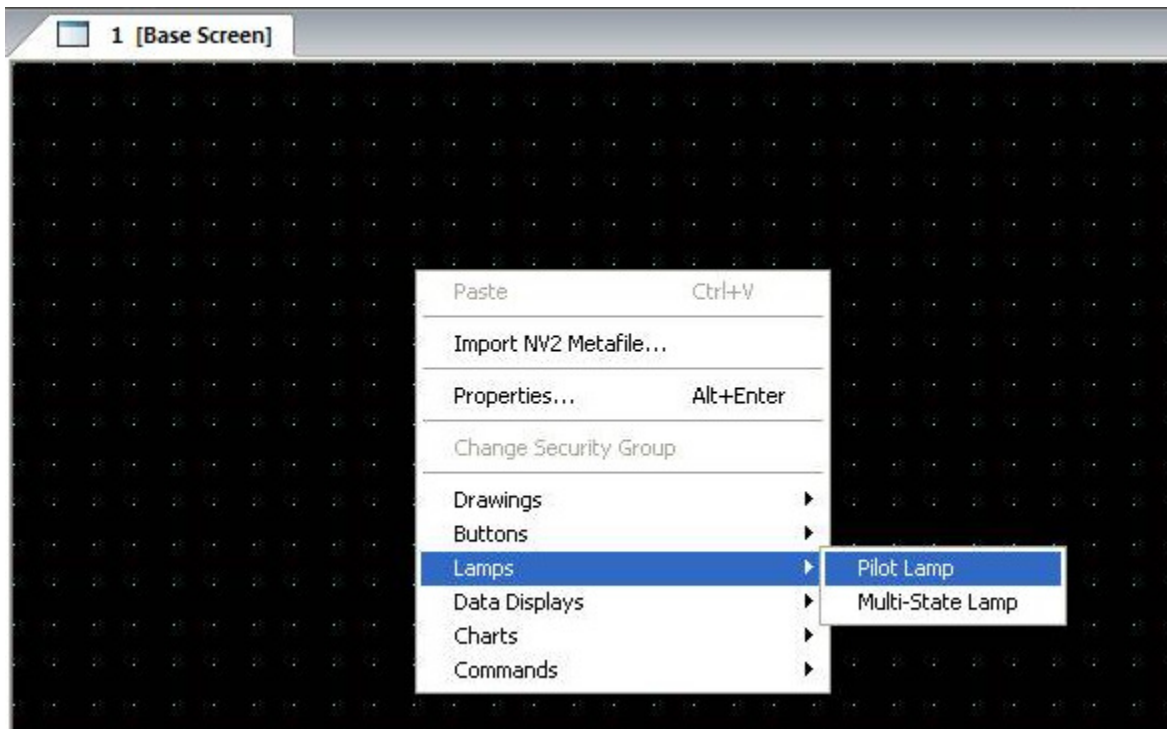


Application Notes

11. Enter the PLC IP address which is 192.168.1.5, and then click OK, OK.
Note: Make sure Port is default to 2101.

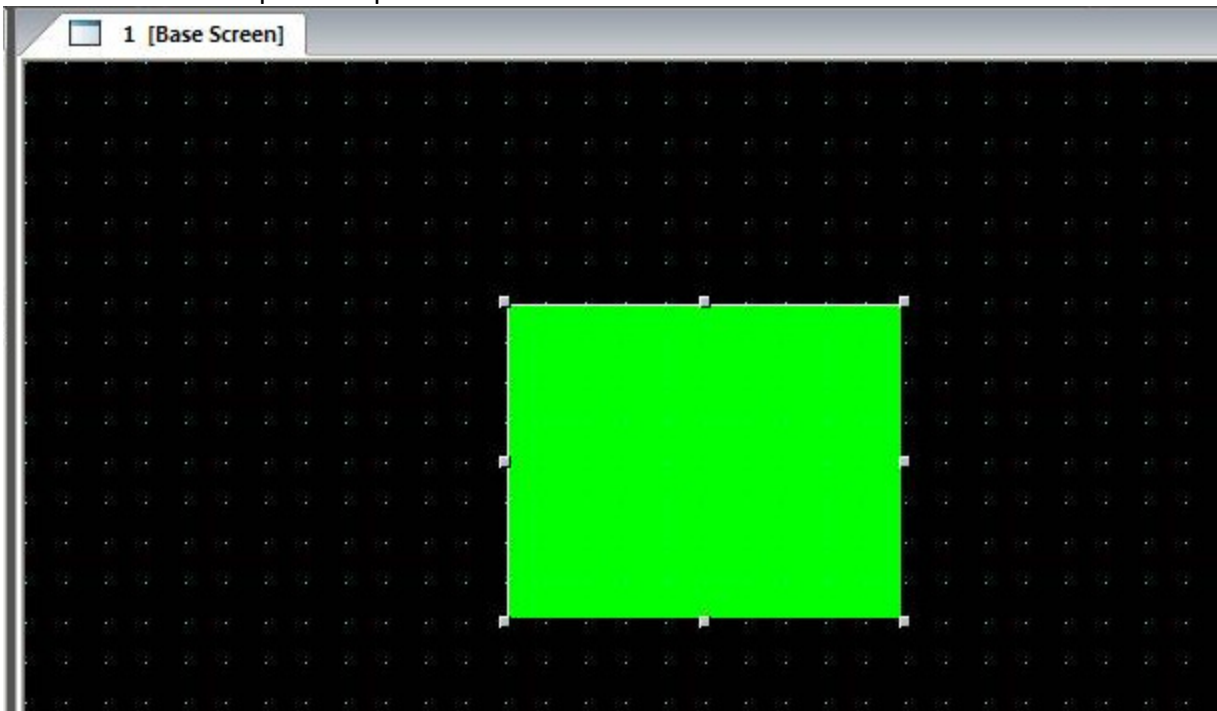


12. Create a test screen. Right mouse click Lamps → Pilot Lamp

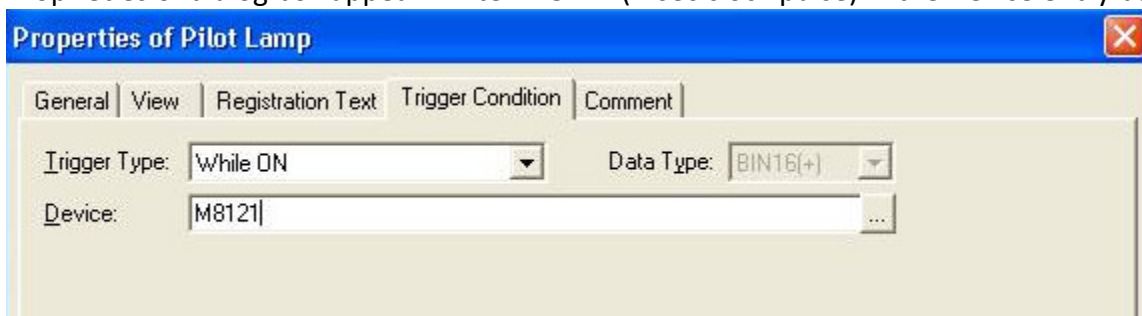


Application Notes

13. Double click on the pilot lamp.



14. Properties of dialog box appear. Enter M8121 (1-sec clock pulse) in the Device entry box, then click OK.



15. Download project to HG Touchscreen.

16. Internal relay M8121 is coming from the Ethernet Pentra PLC. If pilot lamp is alternating ON/OFF on the HG Touchscreen, then communication is successfully established.