

Procedure How to Setup a Brand New (out of the box) Compact Logix PLC

Setting IP Address of the Compact Logix PLC

(Sheet 2 - 5)

Update Firmware of the Compact Logix PLC

(Sheet 6 - 11)

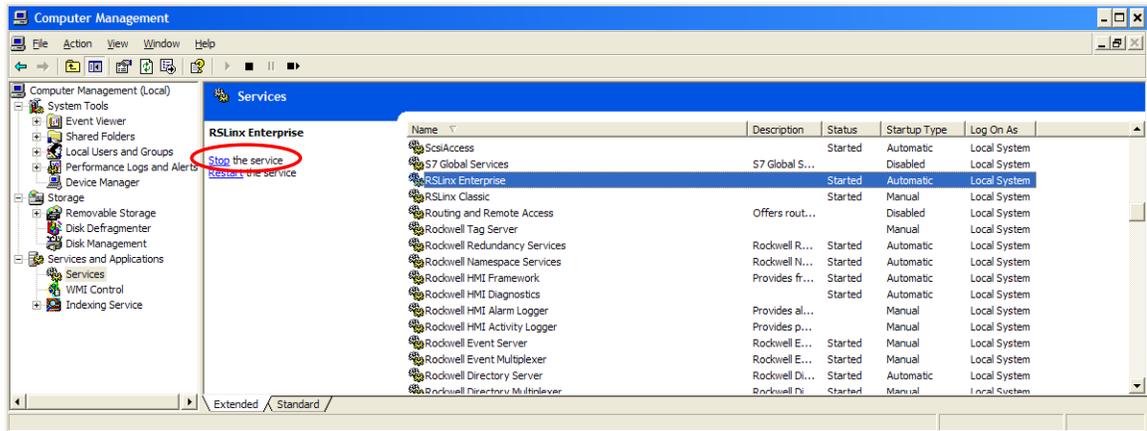


OR

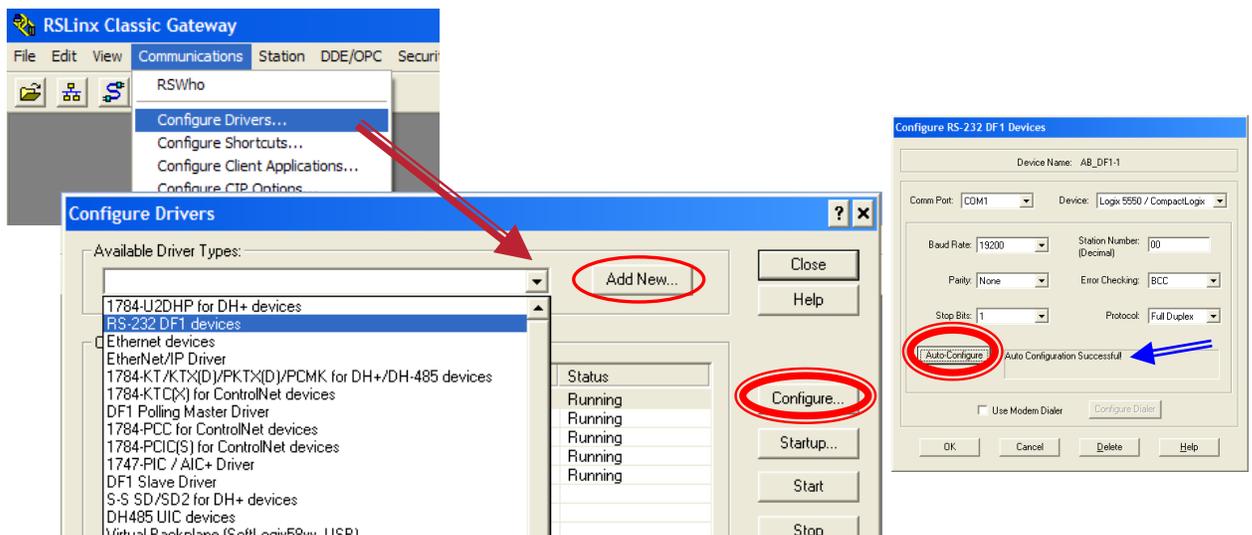


Procedure to Setup IP Address on a new (out of the box) Compact Logix PLC

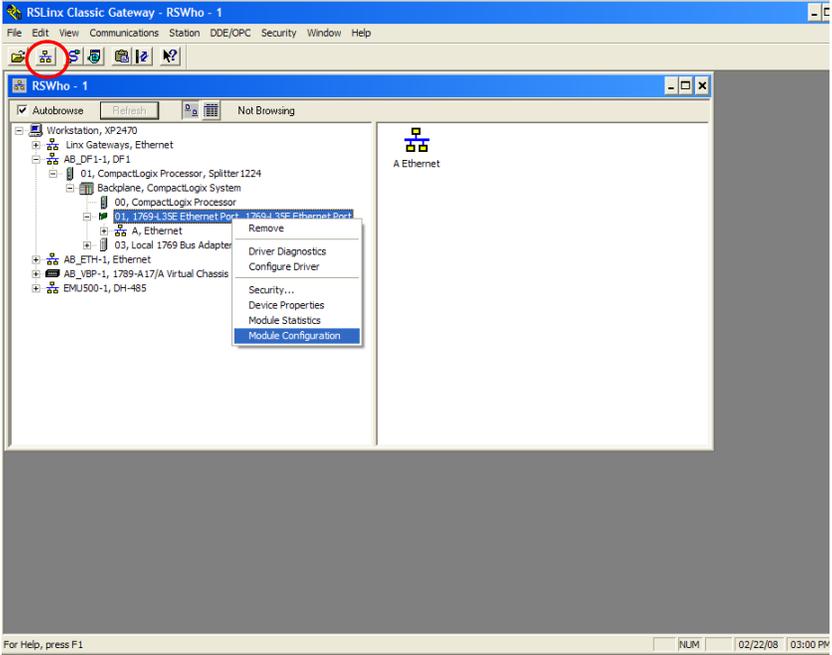
1. Right click on My Computer Icon → select ‘Manage’
2. Select Services and Application → Services
3. Search for RSLinx Enterprise and **Stop RSLinx Enterprise** if running



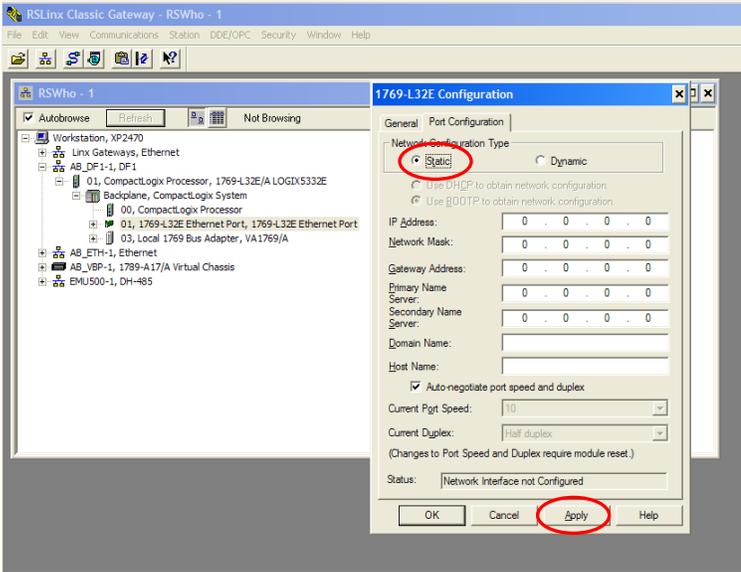
4. Connect Serial Cable (1747-CP3) to Computer & PLC Channel 0
5. **Make sure PLC is powered and the key switch is in PROG position**
6. Go to Start → Programs → Rockwell Software → RSLinx → RSLinx Classic
7. Select Communications → Configure Drivers
8. Select **RS-232 DF1 devices** from the pull-down list and press ‘Add New’ create RS-232 DF1 devices driver if not already defined
9. Press ‘**Configure**’ then ‘**Auto-Configure**’ button. Confirm for “**Auto Configuration Successful!**”



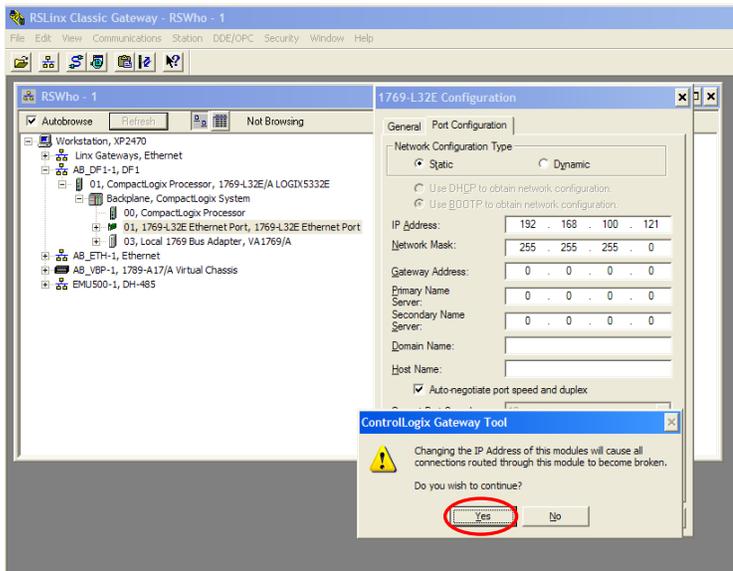
- 10. Open RSWho (Communications → RSWho) or press icon
- 11. Expand folder by press + until display the PLC Ethernet Port
- 12. Right click on PLC Ethernet Port → Module Configuration



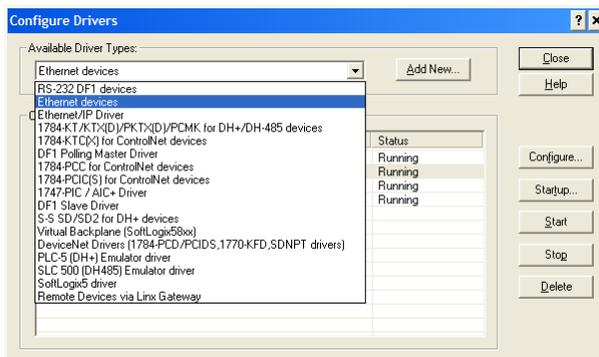
- 13. Select Port Configuration tab & Static
- 14. Enter the PLC IP Address (192.168.1.xxx)
- 15. Enter the Network Mask (255.255.255.0)
- 16. Press ‘Apply’ then ‘OK’



17. Select 'Yes' then 'OK'.

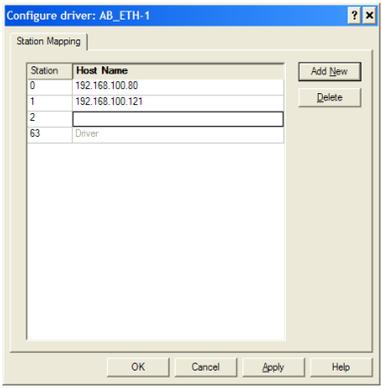


18. Create Ethernet driver in RSLinx.

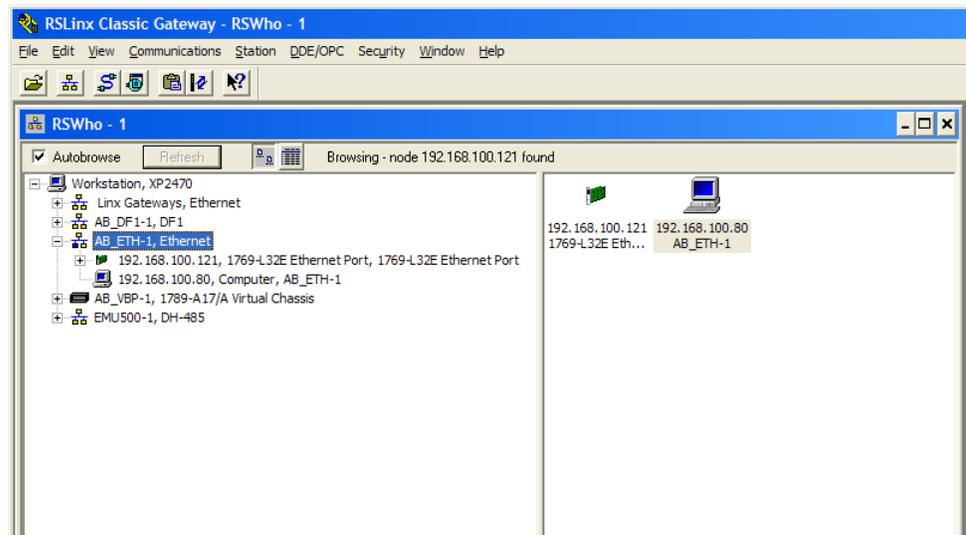
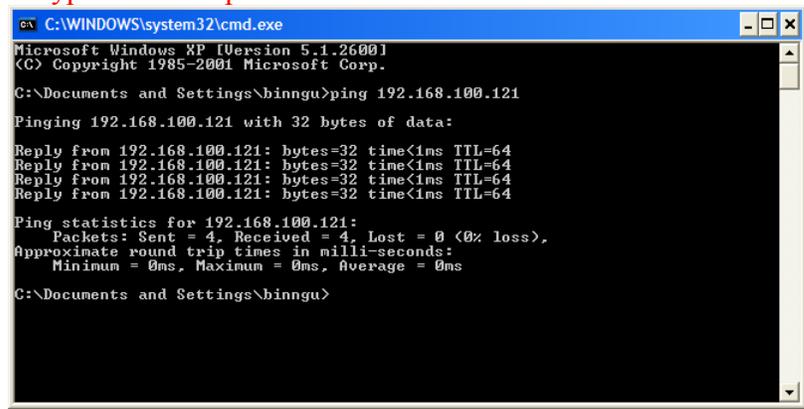


19. Press 'Configure' button.

- a. Set Station 0 to Computer IP Address.
- b. Set Station 1 to PLC IP Address. (you can enter as many PLC IP address as you needed)
- c. Press 'Apply' then 'OK' when completed.



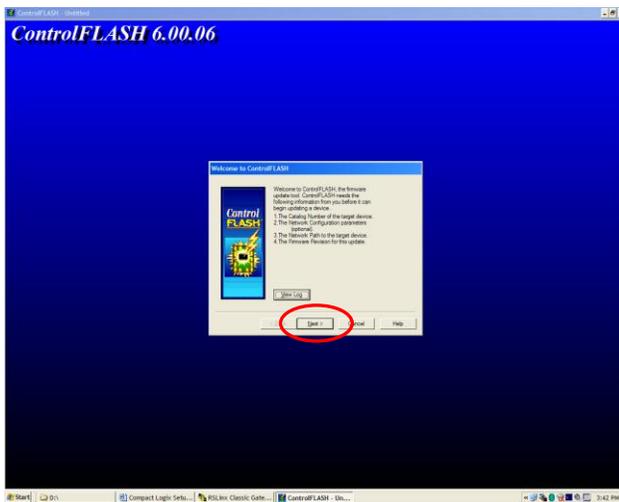
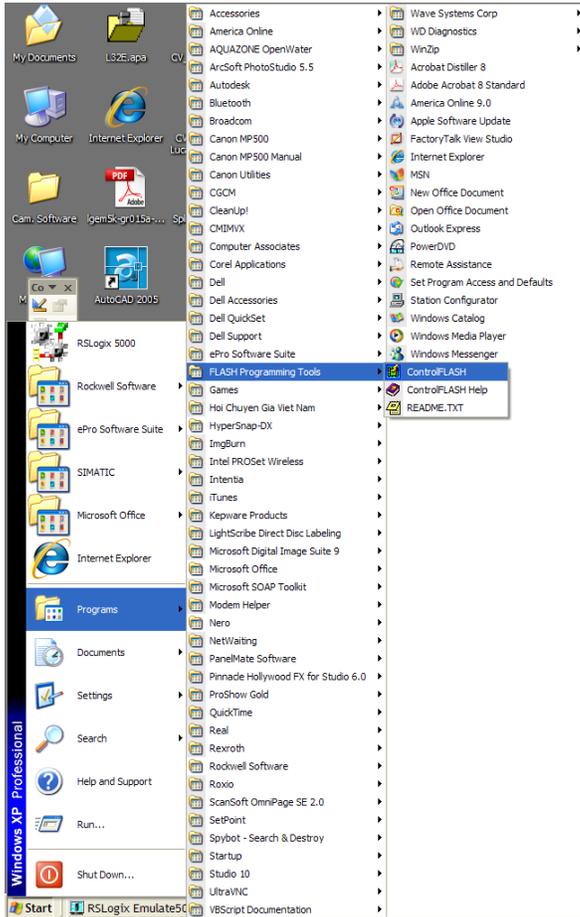
20. Using RSWho, browse to the PLC using Ethernet driver.
- a. Make sure the Computer TCP/IP is setup to 192.168.1.xxx
 - b. Make sure Ethernet Cable connected between the Computer and the PLC
 - c. Test your connection by Ping PLC IP address
 - i. Start → Run → cmd
 - ii. Type 'Ping 192.168.1.xxx'
 - iii. Wait for a reply message from PLC IP Address
 - iv. Type 'Exit' or press 'X' to close.



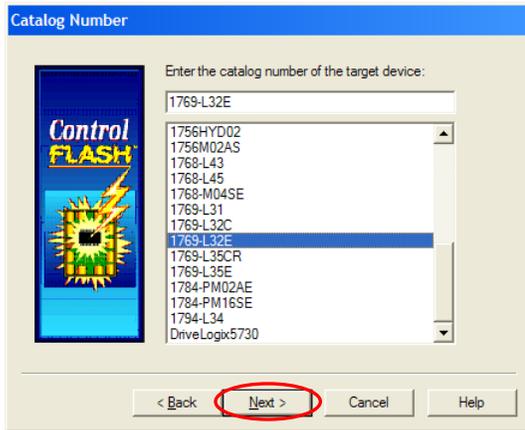
21. **Remove the Serial Cable (1747-CP3) from PLC.**

Procedure to Update Firmware on a brand new Compact Logix PLC

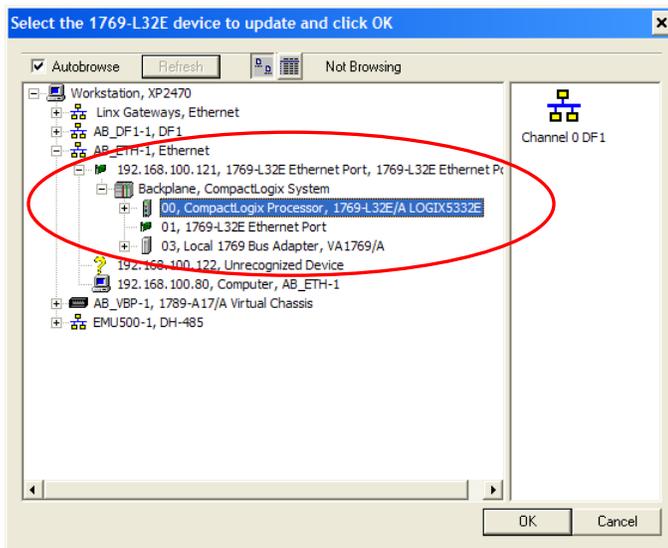
1. Run Control Flash (Start → Programs → FLASH Programming Tools → ControlFLASH)



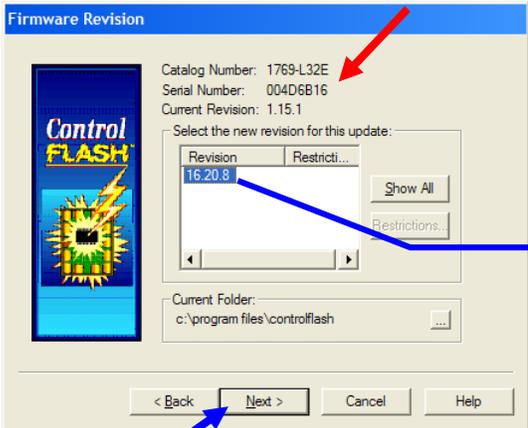
2. Press 'Next'.
3. Select PLC Catalog number from list then press 'Next'.



4. Browse to the CompactLogix Processor by expand '+' from list then press 'OK'.



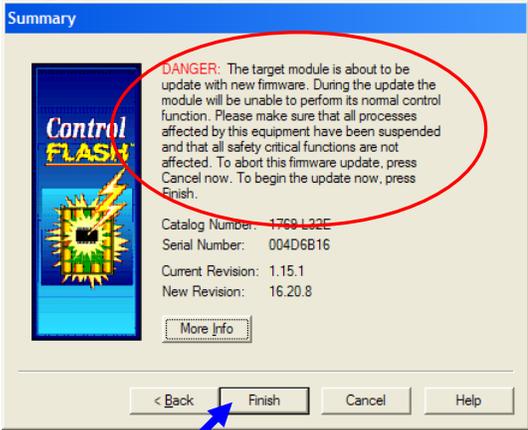
Display current Processor Information (S/N and Firmware Revision)



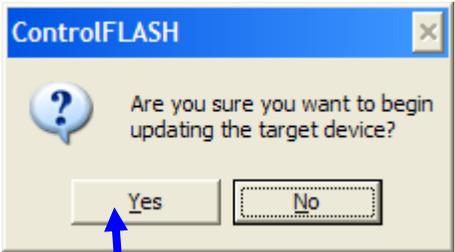
Update Firmware Revision Number

5. Press 'Next'.

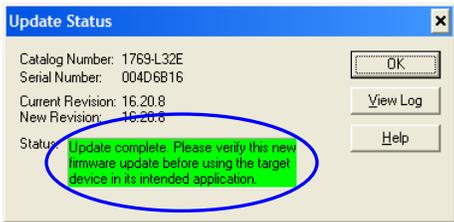
Display Summary of Processor Information (S/N and Firmware Revision)



6. Press 'Finish'.



7. Press 'Yes'. This firmware update process will take approx. 3-5 minutes. **Wait until Update complete before operating your computer or powered down/disconnect cable to the Processor.**



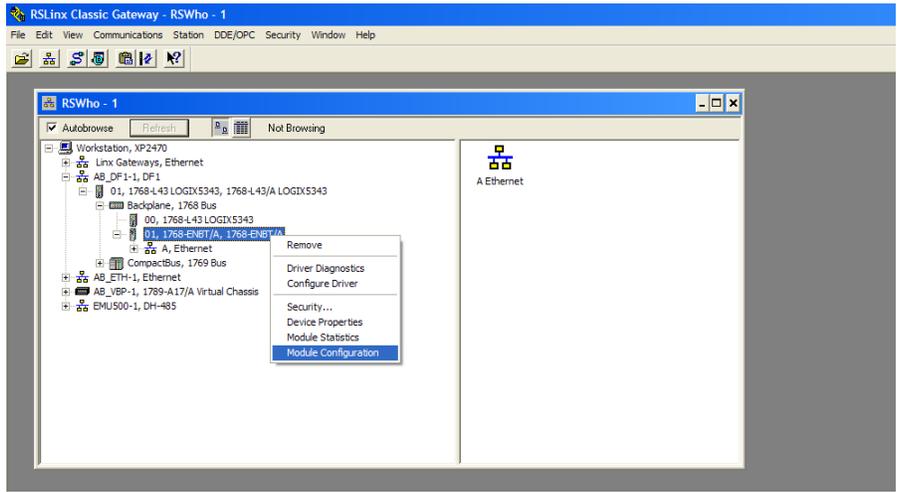
8. Press 'Cancel' to exit. Firmware update completed.

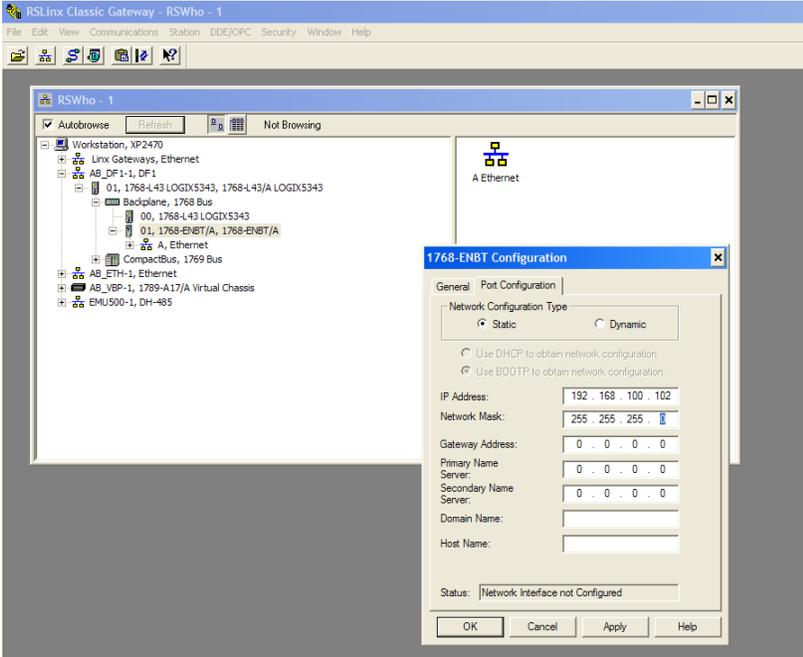


Follow the above procedure for the 1769-L35E or 1769-L43 Processor

Example screen print for 1769-L43 Processor

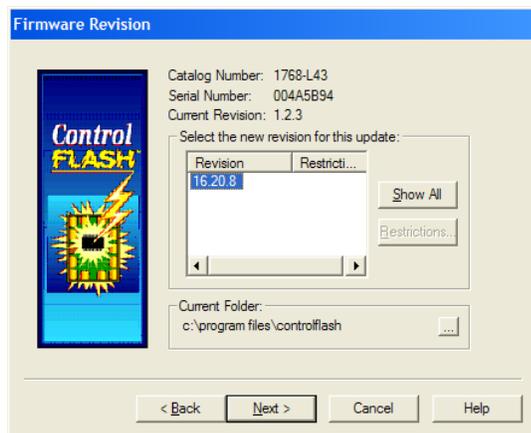
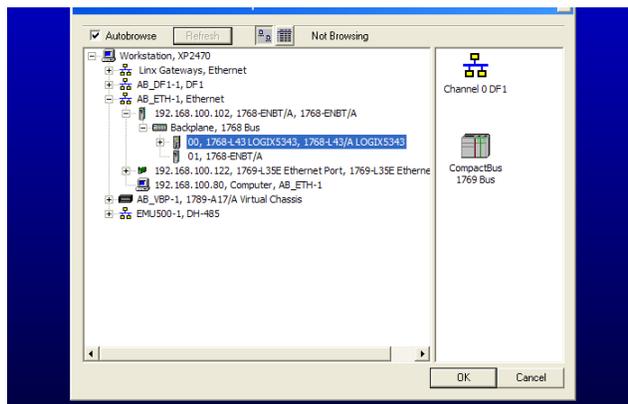
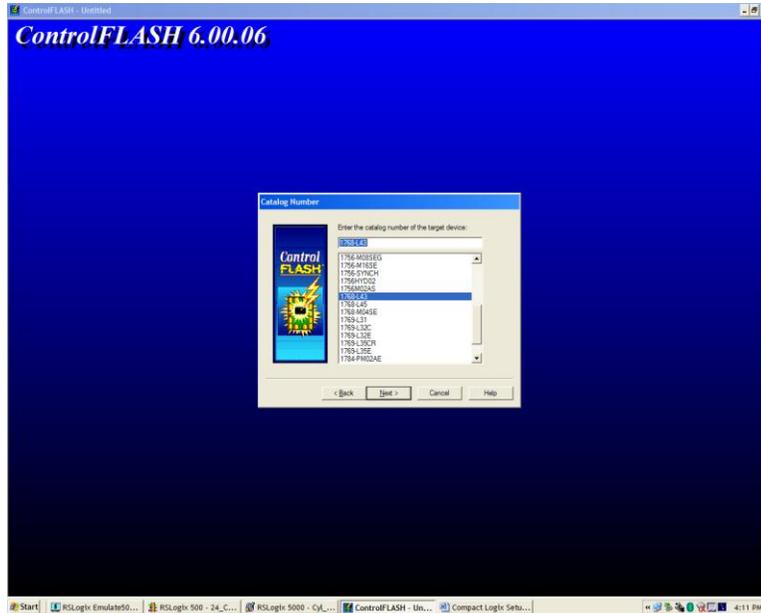
Procedure to Setup IP Address on a new Compact Logix PLC





Example screen print for 1769-L43 Processor

Procedure to Update Firmware on a new Compact Logix PLC



Example screen print for 1769-L43 Processor

Procedure to Update Firmware on a new Compact Logix PLC

