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)
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’.

![Catalog Number

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

![Select the 1769-L32E device to update and click OK

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

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

Example screen print for 1769-L43 Processor

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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**

**Summary**

- DANGER: The target module is about to be updated with new firmware. During the update the module will be unable to perform its normal control function. Please ensure that all processes affected by the equipment have been suspended and that all safety critical functions are not affected. To avoid this firmware update press **Cancel now**. To begin the update now, press **Finish**.
- Catalog Number: 1769-L43
- Serial Number: 004A5B94
- Current Revision: 1.2.3
- New Revision: 16.20.8

**ControlFLASH 6.00.06**

**Update Status**

- Catalog Number: 1768-L43
- Serial Number: 004A5B94
- Current Revision: 16.20.8
- New Revision: 16.20.8
- Status: Update complete. Please verify this new firmware update before using the target device in its intended application.

**OK**

**View Log**

**Help**