CONCRETE PRODUCT SOLUTIONS   *Columbia*®

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'.

Catalog Number

Enter the catalog number of the target device:

1769-L32E

1756HYD02
1756M02AS
1768-L43
1768-L45
1768-M04SE
1769-L31
1769-L32C
1769-L32E
1769-L35CR
1769-L35E
1784-PM02AE
1784-PM16SE
1794-L34
DriveLogix5730

< Back   Next >   Cancel   Help

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

Select the 1769-L32E device to update and click OK

☑ Autobrowse   Refresh   Not Browsing

- Workstation, XP2470
  - Linx Gateways, Ethernet
  - AB_DF1-1, DF1
  - AB_ETH-1, Ethernet
    - 192.168.100.121, 1769-L32E Ethernet Port, 1769-L32E Ethernet Po
      - Backplane, CompactLogix System
        - 00, CompactLogix Processor, 1769-L32E/A LOGIX5332E
        - 01, 1769-L32E Ethernet Port
        - 03, Local 1769 Bus Adapter, VA1769/A
    - 192.168.100.122, Unrecognized Device
    - 192.168.100.80, Computer, AB_ETH-1
  - AB_VBP-1, 1789-A17/A Virtual Chassis
  - EMU500-1, DH-485

Channel 0 DF1

OK   Cancel

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.

Update Status

Catalog Number: 1769-L32E
Serial Number: 004D6B16
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

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

Welcome to ControlFLASH

Welcome to ControlFLASH, the firmware update tool. ControlFLASH needs the following information from you before it can begin updating a device.
1. The Catalog Number of the target device.
2. The Network Configuration parameters (optional).
3. The Network Path to the target device.
4. The Firmware Revision for this update.

View Log

< Back   Next >   Cancel   Help

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

RSLinx Classic Gateway - RSWho - 1

File Edit View Communications Station DDE/OPC Security Window Help

RSWho - 1

☑ Autobrowse   Refresh   Not Browsing

Workstation, XP2470
Linx Gateways, Ethernet
AB_DF1-1, DF1
  01, 1768-L43 LOGIX5343, 1768-L43/A LOGIX5343
    Backplane, 1768 Bus
      00, 1768-L43 LOGIX5343
      01, 1768-ENBT/A, 1768-ENBT/A
        A, Ethernet
      CompactBus, 1769 Bus
AB_ETH-1, Ethernet
AB_VBP-1, 1789-A17/A Virtual Chassis
EMU500-1, DH-485

A Ethernet

Remove
Driver Diagnostics
Configure Driver
Security...
Device Properties
Module Statistics
Module Configuration

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