

How-to Configure PLC Ethernet Communications

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Contents:

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References

- [Ethernet Device Network Settings for LCLS Subnets](#)
- [How-to Download PLC Ladder Logic](#)
- [LCLS How-to Release Software](#)
- [\[How-to Recover Software from CVS\]](#)
- [PLC Users at SLAC](#)

DHCP: Network Settings

The protocols used by the 1756 Model PLC's and the Touch Panels are TCP/IP. DHCP is support in both devices.

The touch panel has the following parameters:

1. IP
2. Subnet Mask
3. Gateway
4. DNS
5. WINS

The PLC has the same and:

1. Domain Name
2. Host Name

Part I: Configuring IP Address for PLC using RSLINX

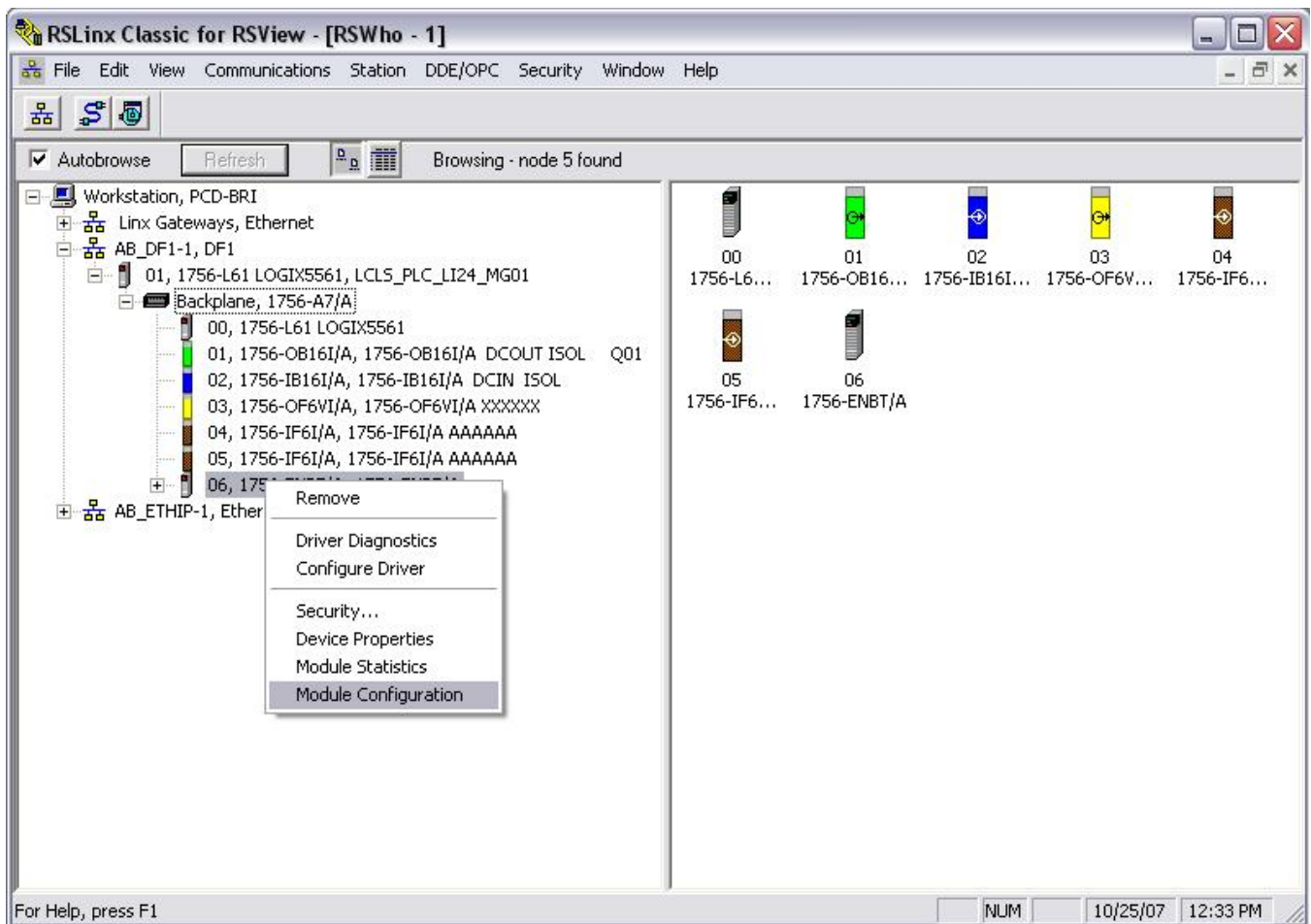
Step 1: Open RSLINX

Open RSLINX and configure driver to communicate with the PLC.

Refer to [How-to Download PLC Ladder Logic](#) if you need help.

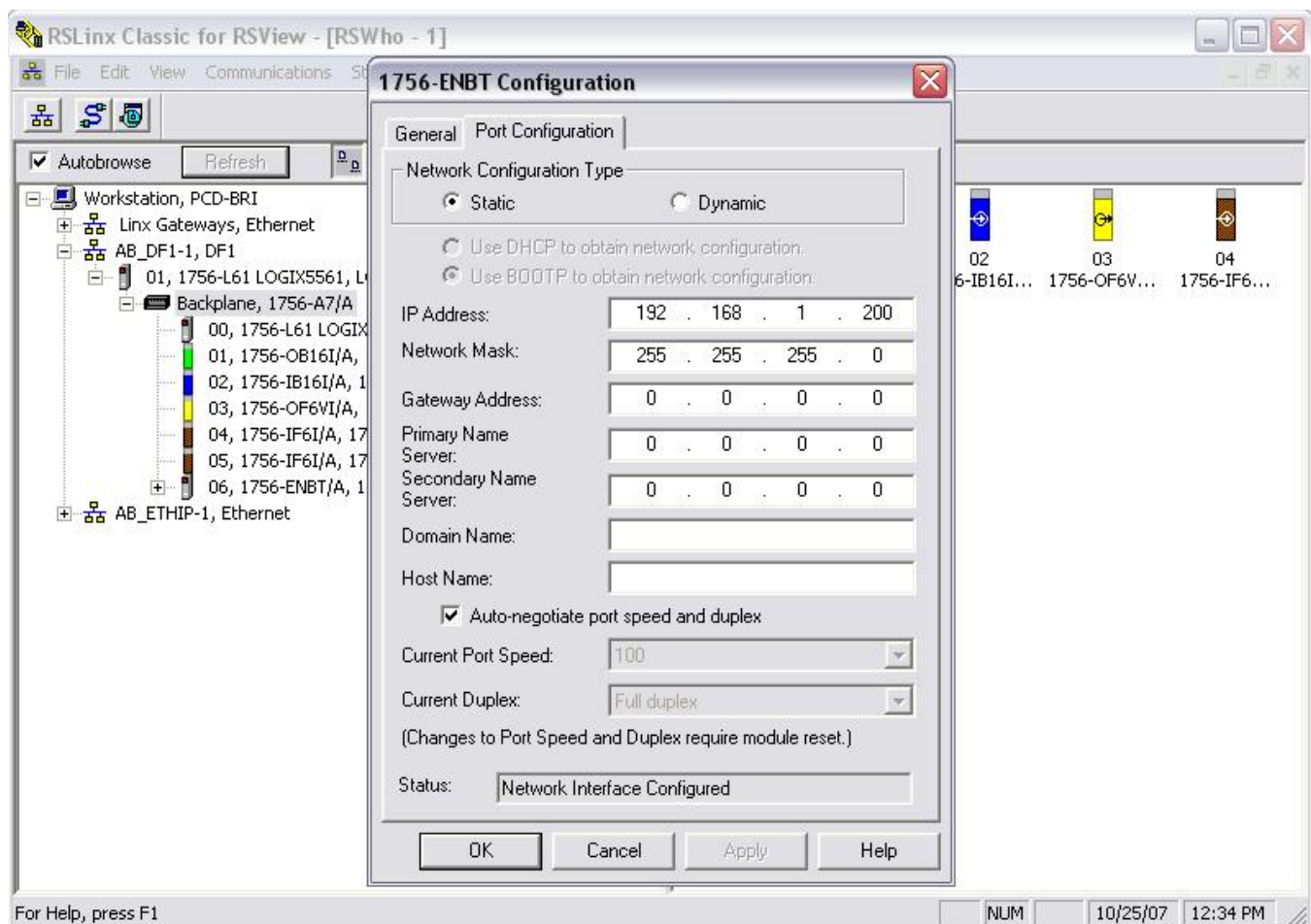
Step 2: Open Properties Window

Expand the device tree and right-click on the Ethernet module. Then click on the Module Configuration.



Step 3: Configure the Ethernet Port

Click on the Port Configuration tab and enter the necessary information and click OK.



Part II: Configuring IP Address for PLC using RSLogix5000.

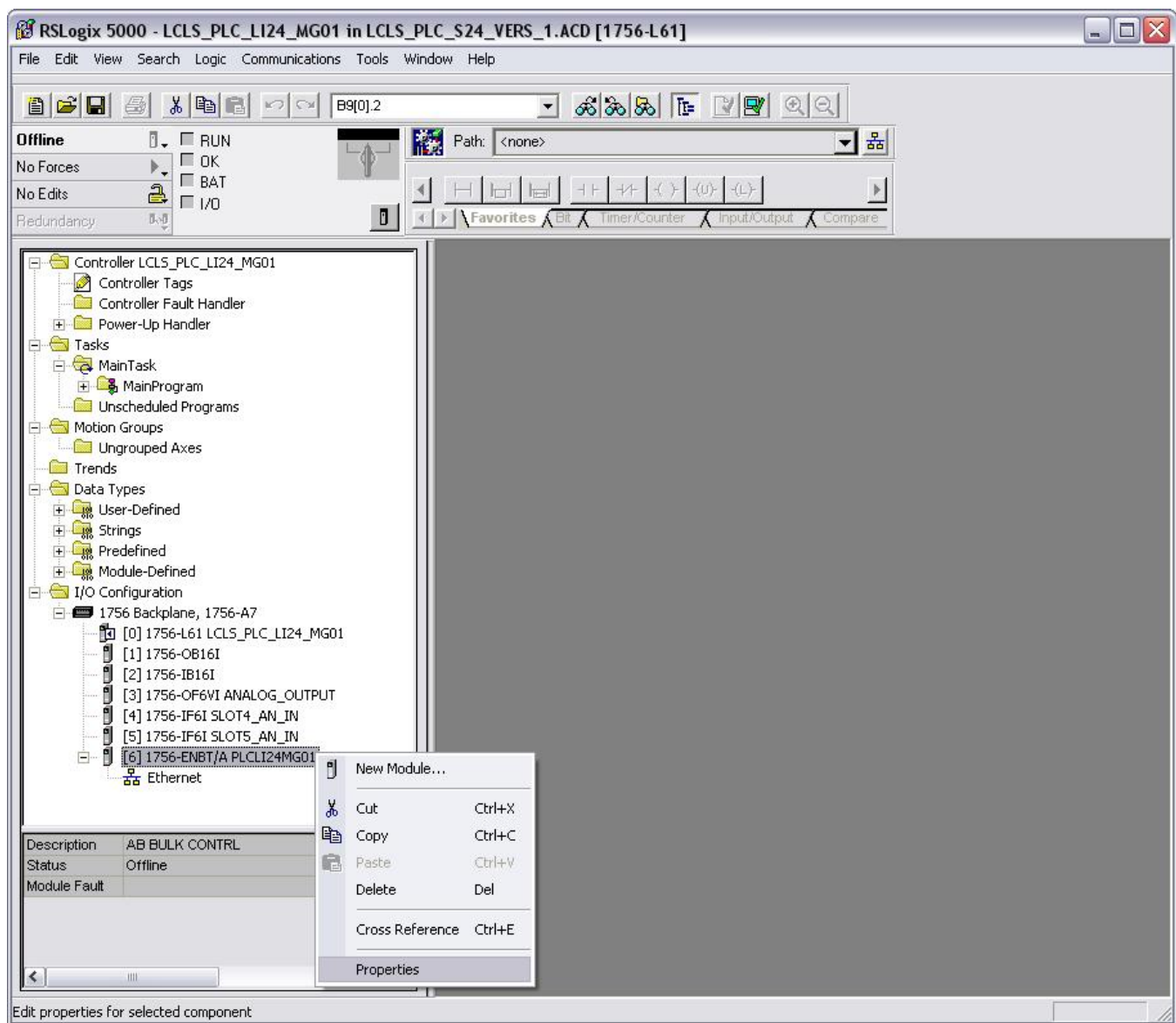
Step 1: Open RSLogix5000

Open RSLogix5000 and the applicable ladder logic file. Then go online with the PLC.

Refer to [How-to Download PLC Ladder Logic](#) if you need help.

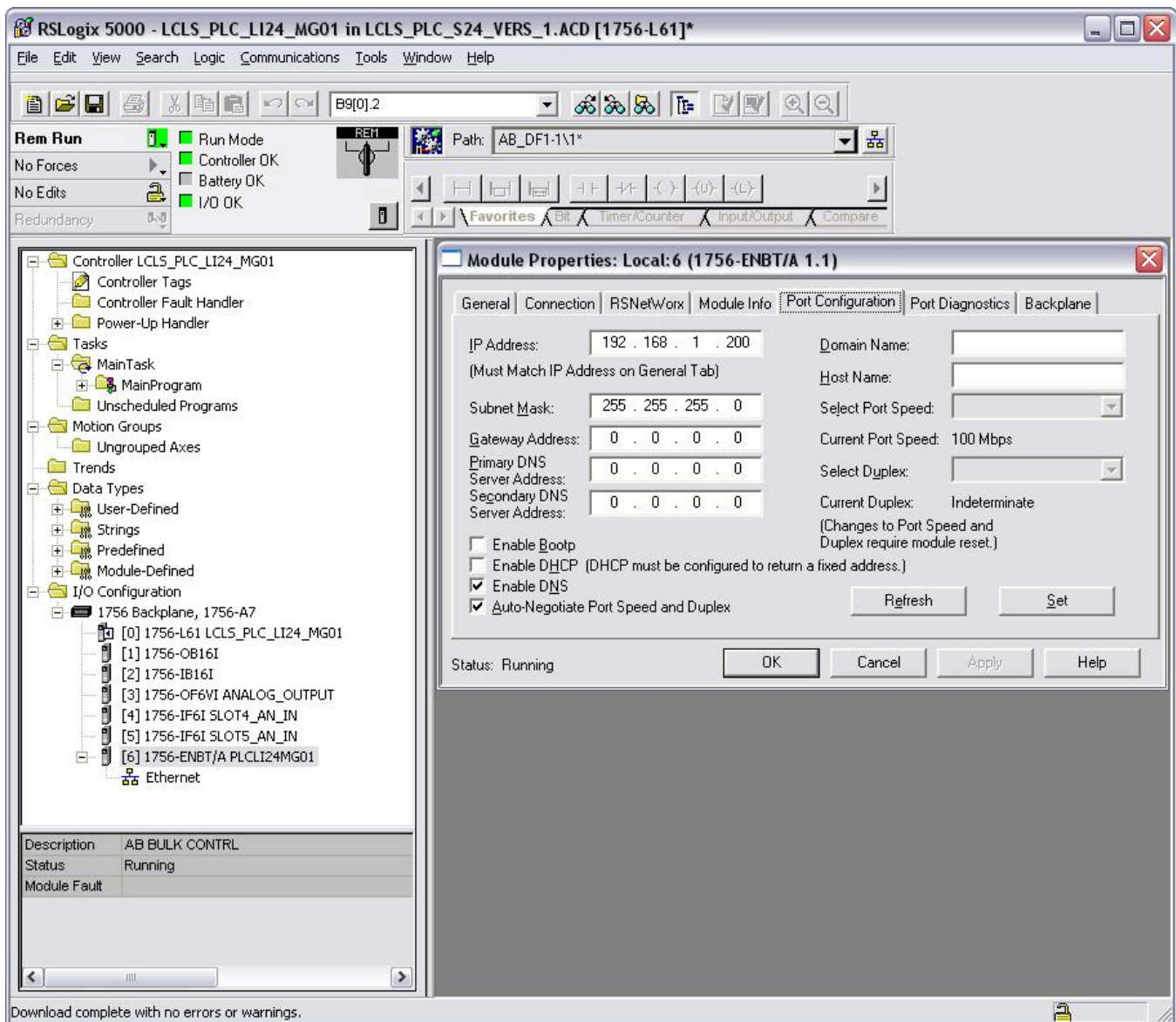
Step 2: Open the Properties Window

Right-click on the Ethernet module and click on Properties.



Step 3: Configure the Ethernet Port

Click on the Port Configuration tab and enter the necessary information. Click Ok.



Part III: Configuring IP Address for a PanelView Plus

Configuring the IP address for a touch panel is done directly on unit.

Step 1: Configuration Screen

Navigate to the Configuration screen. If the application is running, look for a button that says TCHPNL CONFIG.

Step 2: Navigate to Settings

1. Push Terminal Settings
2. Push and highlight Network and Communications. Push Return button.
3. Push and highlight Network Connections. Push Return button.

There are two directions you can go: Network Adapters and Device Name

Step 3: Device Name

1. Push and highlight Device Name. Push return button.
2. Push Device Name and enter the name.

Step 4: Network Adapters

From Step 2:

1. Push and highlight Network Adapters. Push Return button.
2. Built-in Ethernet Controller should be highlighted.

There are two items here to set: Name Servers and IP Address.

Step 5: Name Servers

1. Push Name Servers
2. Under Name Servers, push buttons to set the DNS and WINS.

Step 6: IP Address

From Step 4:

1. Push IP Address.
2. Push the buttons to set the IP, Subnet and Gateway.

Step 6: Reboot

1. Push the OK button when you are done with each step
2. The touch panel will prompt you to do a reset. Push OK.
3. Push Close until you get back to the main screen in Step 1 and push Reset.