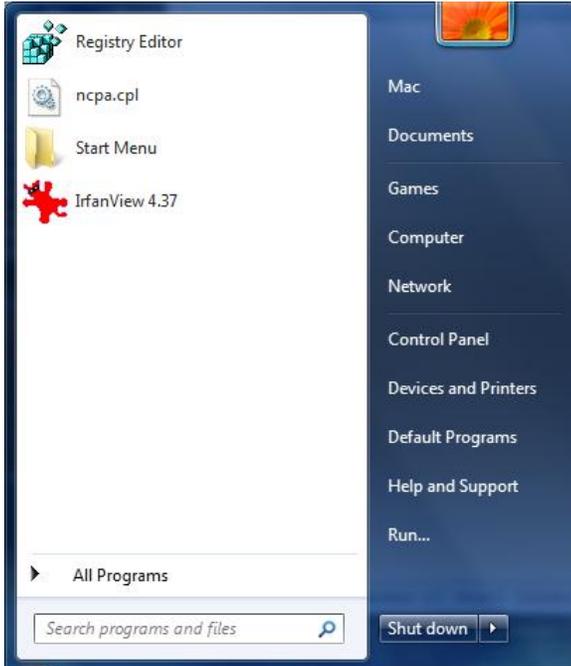
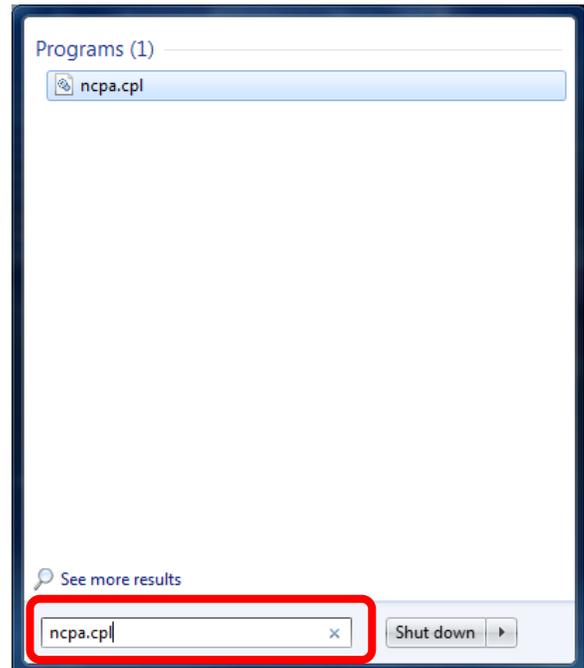


Program an IP address, Subnet Mask and Gateway Address into a DeviceMaster Without using PortVision DX.

Step 1: Assign a static IP address to the PC



Open the 'Start button'



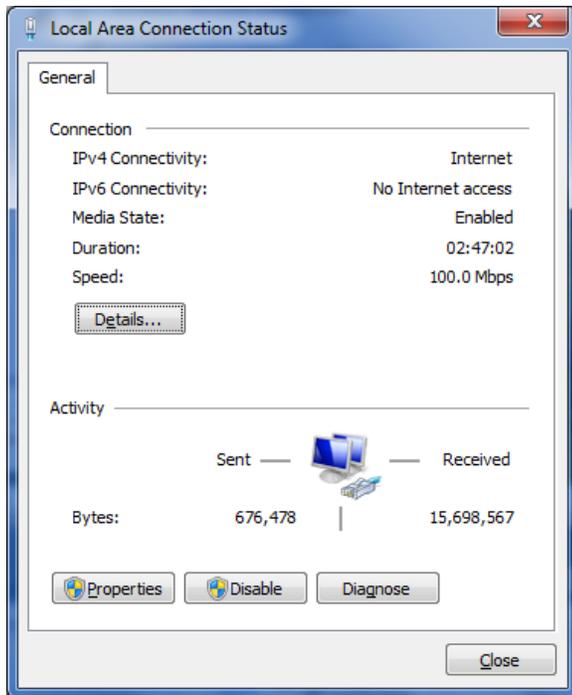
In the "Search programs and files" field enter "ncpa.cpl" (without quotes) and press Enter.

You will be taken to the "Network Connections"

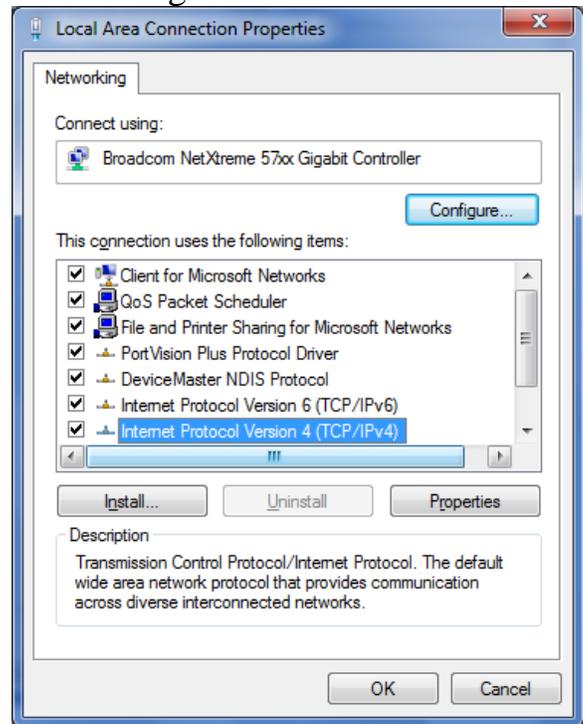


Double Click your Local Area Connection or whatever may be labeled as your NIC

You will now be taken to the Local Area Connection Status dialog

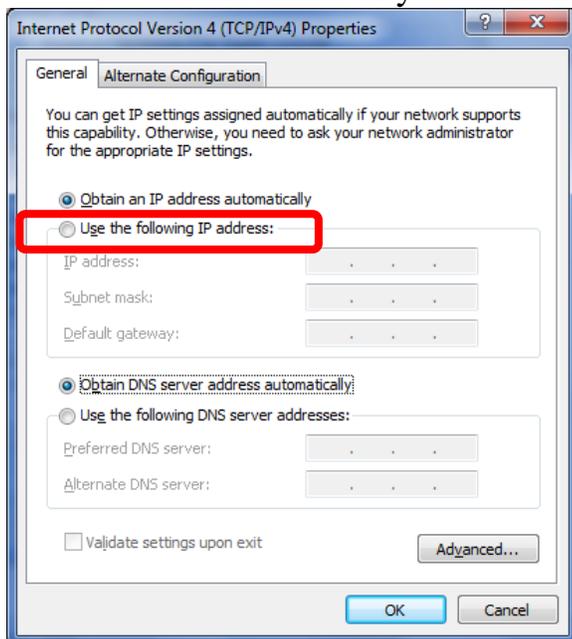


Click on Properties

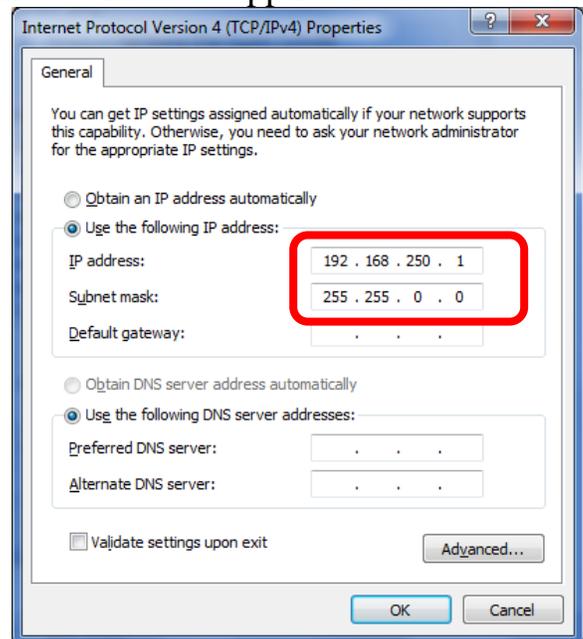


Select the “Internet Protocol Version 4 (TCP/IPv4)” option and click OK

Make a note of your current settings as these will be re-applied later.



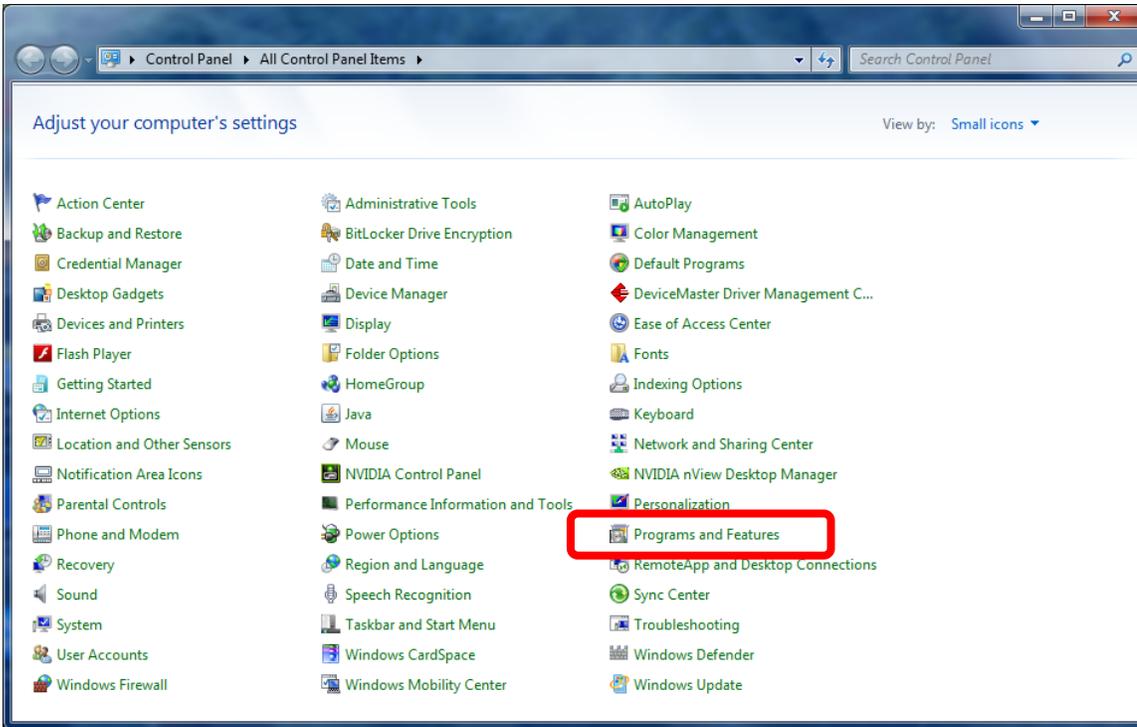
This PC is configured to use DHCP
Change the selection to
“Use the following IP address”



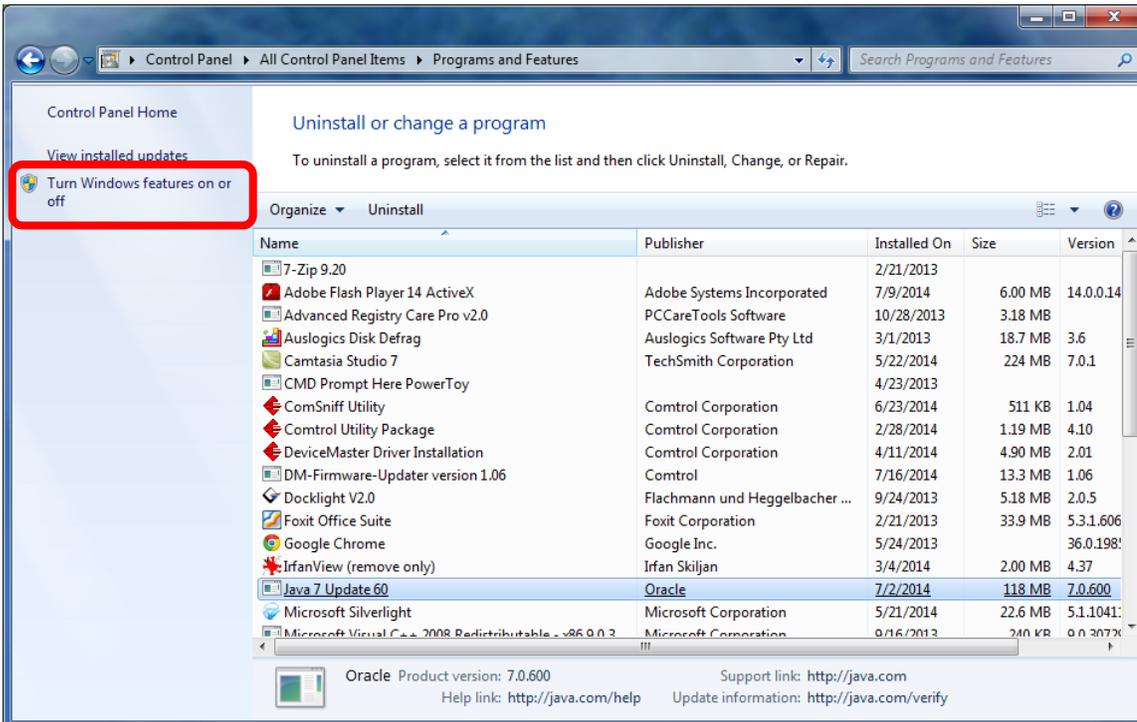
Set the IP address as 192.168.250.1
with a subnet of 255.255.0.0
as shown above.

Click OK all the way out to close all of the windows.

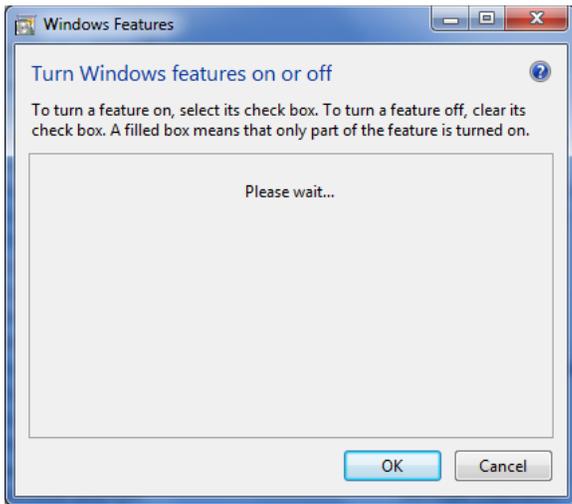
Step 2: Enable telnet client in Windows



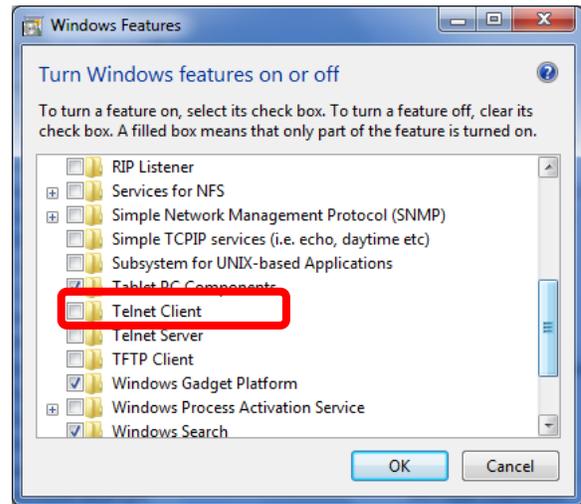
Open Control Panel and select “Programs and Features



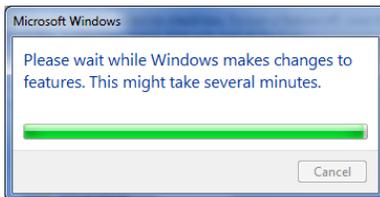
Click on the “Turn Windows features on or off in the left panel



Wait for this to be populated.



It may take several seconds to load the available features. Place a checkmark in the "Telnet Client" option and click OK



Give it some time to complete

Step 3: Attach the DeviceMaster directly to PC

If the DeviceMaster has 2 Ethernet ports labeled as UP and DOWN connect a standard Ethernet Patch Cord cable from the DOWN port directly to the Ethernet port in the PC.

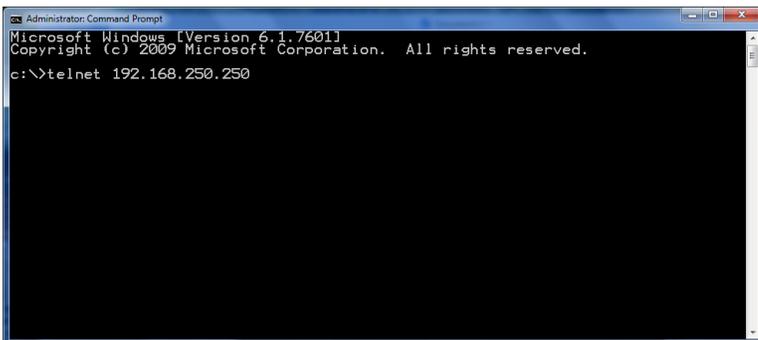


Step 4: Telnet to DeviceMaster and change IP address

Open a command prompt:



```
Administrator: Command Prompt
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
c:\>
```



```
Administrator: Command Prompt
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
c:\>telnet 192.168.250.250
```

Type in “telnet 192.168.250.250” (without quotes) and press Enter.



```
Telnet 192.168.250.250
Password: █
```

You should be prompted for a password. Press enter as there is no default password.

You should see something like this:



```
Telnet 192.168.250.250
Password:
Control DeviceMaster RTS ModelID: 5002117
SocketServer 9.37
Built: Fri Jul 18 11:19:59 CDT 2014
IP Addr: 192.168.250.250, Mask: 255.255.0.0, Gateway: 192.168.250.1
MAC Addr: 00:c0:4e:23:ff:f9

dm>
```

At the dm> prompt enter “ip” (without quotes) and press Enter.

```
Telnet 192.168.250.250
Password:
Control DeviceMaster RTS ModelID: 5002117
SocketServer 9.37
Built: Fri Jul 18 11:19:59 CDT 2014
IP Addr: 192.168.250.250, Mask: 255.255.0.0, Gateway: 192.168.250.1
MAC Addr: 00:c0:4e:23:ff:f9

dm> ip
IP Addr: 192.168.250.250, Mask: 255.255.0.0, Gateway: 192.168.250.1

dm>
```

It should respond showing the current IP information as shown here

```
Telnet 192.168.250.250
Password:
Control DeviceMaster RTS ModelID: 5002117
SocketServer 9.37
Built: Fri Jul 18 11:19:59 CDT 2014
IP Addr: 192.168.250.250, Mask: 255.255.0.0, Gateway: 192.168.250.1
MAC Addr: 00:c0:4e:23:ff:f9

dm> ip
IP Addr: 192.168.250.250, Mask: 255.255.0.0, Gateway: 192.168.250.1

dm> ip 222.15.93.111 255.255.255.0 222.15.93.1
```

At the dm> prompt enter “ip [IP address] [subnet mask] [gateway address]” (without quotes) and press Enter.

```
Telnet 192.168.250.250
Password:
Control DeviceMaster RTS ModelID: 5002117
SocketServer 9.37
Built: Fri Jul 18 11:19:59 CDT 2014
IP Addr: 192.168.250.250, Mask: 255.255.0.0, Gateway: 192.168.250.1
MAC Addr: 00:c0:4e:23:ff:f9

dm> ip
IP Addr: 192.168.250.250, Mask: 255.255.0.0, Gateway: 192.168.250.1

dm> ip 222.15.93.111 255.255.255.0 222.15.93.1
IP Addr: 222.15.93.111, Mask: 255.255.255.0, Gateway: 222.15.93.1
IP Address stored, reset to take effect.

dm>
```

It should respond showing the new IP information as shown here

```
Telnet 192.168.250.250
Password:
Control DeviceMaster RTS ModelID: 5002117
SocketServer 9.37
Built: Fri Jul 18 11:19:59 CDT 2014
IP Addr: 192.168.250.250, Mask: 255.255.0.0, Gateway: 192.168.250.1
MAC Addr: 00:c0:4e:23:ff:f9

dm> ip
IP Addr: 192.168.250.250, Mask: 255.255.0.0, Gateway: 192.168.250.1

dm> ip 222.15.93.111 255.255.255.0 222.15.93.1
IP Addr: 222.15.93.111, Mask: 255.255.255.0, Gateway: 222.15.93.1
IP Address stored, reset to take effect.

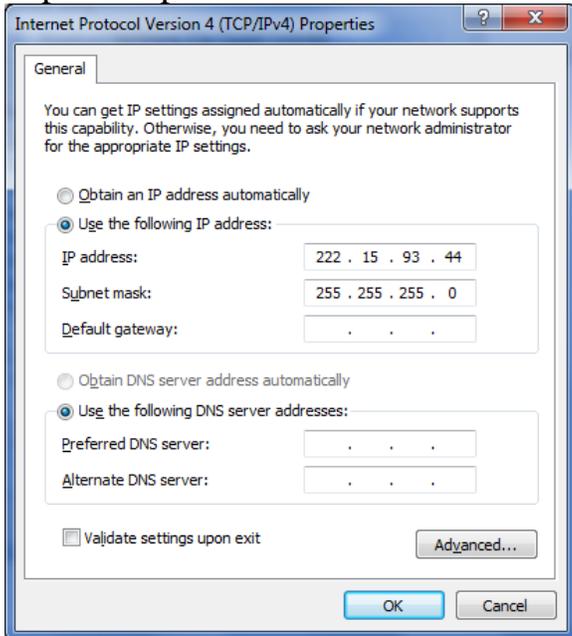
dm> reset
```

At the dm> prompt enter “reset” (without quotes) and press Enter.

The DeviceMaster should reboot and you will see the Ethernet LED’s start flashing and the power/status LED should reset. If you do not see the DeviceMaster rebooting, power cycle it. You will lose communications from telnet, so simply close the window.

Step 5: Reset the IP address in the PC to be compatible with the new IP address programmed into the DeviceMaster in Step 4.

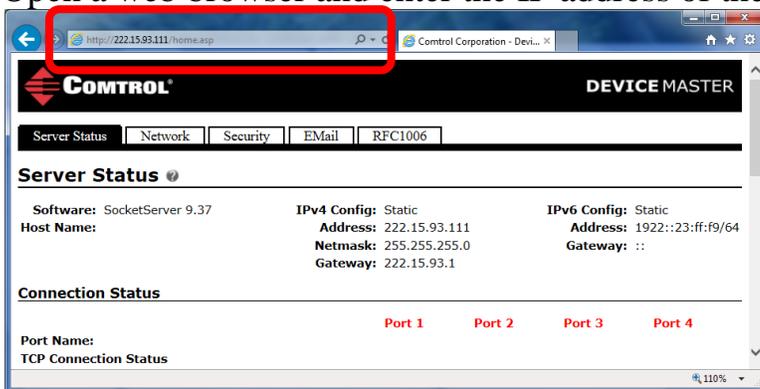
Repeat Step 1 and set the IP to the same network



This example shows using 222.15.93.44 as the PC IP address. The DeviceMaster IP address was set to 222.15.93.111. Click OK all the way out.

Step 6: Confirm IP address changes take effect

Open a web browser and enter the IP address of the DeviceMaster in the URL address



You should get something like this. If required you may now make any changes required for security, etc. Unless otherwise instructed, you will not be making any modifications in the web page configuration pages.

Step 7: Repeating “Step 1.” Reset the PC back to its original IP address.