## 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





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

📱 Local Area Connec	tion Status	×
General		
Connection		
IPv4 Connectivity	/:	Internet
IPv6 Connectivity	/:	No Internet access
Media State:		Enabled
Duration:		02:47:02
Speed:		100.0 Mbps
Details		
Activity		
	Sent —	Received
Bytes:	676,478	15,698,567
Properties	🖲 Disable	Diagnose
		Close

**Click on Properties** 

Local Area Connection Properties
Networking
Connect using:
😰 Broadcom NetXtreme 57xx Gigabit Controller
Configure This connection uses the following items:
✓ Client for Microsoft Networks   ✓ QoS Packet Scheduler   ✓ File and Printer Sharing for Microsoft Networks   ✓ → PortVision Plus Protocol Driver   ✓ → DeviceMaster NDIS Protocol   ✓ → Intermet Protocol Version 6 (TCP/IPv6)   ✓ → Intermet Protocol Version 4 (TCP/IPv4)
Install
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
OK Cancel

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.

eneral Alternate Configuration You can get IP settings assigned aut this capability. Otherwise, you need for the appropriate IP settings.	omatical to ask y	ly if y our r	your n networ	etwork 'k admir	supports histrator
Obtain an IP address automatic	ally				
Use the following IP address: —					
IP address:					
S <u>u</u> bnet mask:					
Default gateway:					
Obtain DNS server address auto	omatical	y			
Use the following DNS server ad	ldresses	-			
Preferred DNS server:					
<u>A</u> lternate DNS server:		e.			
Validate settings upon exit				Adv	anced
			ОК		Cancel

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

Internet Protocol Version 4 (TCP/IPv4) Properties	
General	
You can get IP settings assigned automatically if ye this capability. Otherwise, you need to ask your ne for the appropriate IP settings.	our network supports etwork administrator
Obtain an IP address automatically	
Use the following IP address:	
IP address: 192 . 168	3.250.1
Subnet mask: 255.255	5.0.0
Default gateway: .	
Obtain DNS server address automatically	
• Use the following DNS server addresses:	
Preferred DNS server: .	
<u>A</u> lternate DNS server: .	•••
Validate settings upon exit	Ad <u>v</u> anced
	OK Cancel

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

Control Panel + All	Control Panel Items 🕨	🗸 🍫 Search Control Panel 👂
Adjust your computer's setting	gs	View by: Small icons 🔻
r Action Center	🎡 Administrative Tools	📑 AutoPlay
🐌 Backup and Restore	🏘 BitLocker Drive Encryption	📮 Color Management
Credential Manager	Pate and Time	👦 Default Programs
📑 Desktop Gadgets	🚔 Device Manager	🗲 DeviceMaster Driver Management C
na Devices and Printers	💻 Display	Ease of Access Center
🖌 Flash Player	Folder Options	🙀 Fonts
📑 Getting Started	🝓 HomeGroup	🔒 Indexing Options
💮 Internet Options	🛓 Java	🍩 Keyboard
📨 Location and Other Sensors	Mouse	Detwork and Sharing Center
🛄 Notification Area Icons	🛃 NVIDIA Control Panel	🚳 NVIDIA nView Desktop Manager
🐻 Parental Controls	Performance Information and Tools	Personalization
📰 Phone and Modem	Power Options	🕎 Programs and Features
P Recovery	🔗 Region and Language	RemoteApp and Desktop Connections
🛒 Sound	Speech Recognition	🔞 Sync Center
🕎 System	📃 Taskbar and Start Menu	📧 Troubleshooting
🍇 User Accounts	📑 Windows CardSpace	Windows Defender
🔗 Windows Firewall	🖳 Windows Mobility Center	Windows Update

## Open Control Panel and select "Programs and Features

		14.00				
Control Panel	All Control Panel Items	<b>▼</b> 4 <sub>2</sub>	Search Program:	s and Features		ρ
Control Panel Home View installed updates	Uninstall or change a program To uninstall a program, select it from the list and then	ı click Uninstall, Change, or Repair.				
off	Organize 👻 Uninstall				• 0	)
	Name	Publisher	Installed On	Size	Version	*
	T-Zip 9.20		2/21/2013			
	Adobe Flash Player 14 ActiveX	Adobe Systems Incorporated	7/9/2014	6.00 MB	14.0.0.14	
	Advanced Registry Care Pro v2.0	PCCareTools Software	10/28/2013	3.18 MB		
	auslogics Disk Defrag	Auslogics Software Pty Ltd	3/1/2013	18.7 MB	3.6	E
	😸 Camtasia Studio 7	TechSmith Corporation	5/22/2014	224 MB	7.0.1	
	CMD Prompt Here PowerToy		4/23/2013			
	🗲 ComSniff Utility	Comtrol Corporation	6/23/2014	511 KB	1.04	
	🗲 Comtrol Utility Package	Comtrol Corporation	2/28/2014	1.19 MB	4.10	
	DeviceMaster Driver Installation	Comtrol Corporation	4/11/2014	4.90 MB	2.01	
	DM-Firmware-Updater version 1.06	Comtrol	7/16/2014	13.3 MB	1.06	
	🛇 Docklight V2.0	Flachmann und Heggelbacher	9/24/2013	5.18 MB	2.0.5	
	💋 Foxit Office Suite	Foxit Corporation	2/21/2013	33.9 MB	5.3.1.606	
	💿 Google Chrome	Google Inc.	5/24/2013		36.0.198	
	🌺 IrfanView (remove only)	Irfan Skiljan	3/4/2014	2.00 MB	4.37	
	Java 7 Update 60	Oracle	7/2/2014	<u>118 MB</u>	7.0.600	
	🥪 Microsoft Silverlight	Microsoft Corporation	5/21/2014	22.6 MB	5.1.1041	
	Microsoft Visual C++ 2008 Redistributable - v86 0 0 3	Microsoft Corporation	0/16/2012	2/0 KR	0 0 20720	Ŧ
					•	
	Oracle Product version: 7.0.600 Help link: http://java.com/he	Support link: http://ja lp Update information: http://ja	va.com va.com/verify			

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



Wait for this to be populated.



Give it some time to complete



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

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:



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



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

You should see something like this:



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



It should respond showing the current IP information as shown here



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



It should respond showing the new IP information as shown here



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

Internet Protocol Version 4 (TCP/IPv4)	Properties ? X
General	
You can get IP settings assigned autor this capability. Otherwise, you need to for the appropriate IP settings.	matically if your network supports o ask your network administrator
Obtain an IP address automatical	lly
• Use the following IP address:	
IP address:	222 . 15 . 93 . 44
Subnet mask:	255.255.255.0
Default gateway:	· · ·
Obtain DNS server address autor	natically
Ose the following DNS server add	dresses:
Preferred DNS server:	
<u>A</u> lternate DNS server:	• • •
Validate settings upon exit	Advanced
	OK Cancel

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

C > C http://222.15.93.111/home.asp	,	🥖 Com	trol Corporation - Dev	i ×		x t
Comtrol				DEV	<b>ICE</b> MASTER	Ŷ
Server Status Network Security	EMail RI	7C1006	]			
Server Status 🛛						- 1
Software: SocketServer 9.37	IPv4 Config:	Static		IPv6 Config	• Static	
Host Name:	Address:	222.15.9	3.111	Address	: 1922::23:ff:f9/6	4
	Netmask:	255.255.	255.0	Gateway	:::	
	Gateway:	222.15.9	3.1			
Connection Status						_
		Port 1	Port 2	Port 3	Port 4	
Port Name:						
TCP Connection Status						~
					A 1108/	-

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.