# Using PortVision Plus to Update DeviceMaster Firmware

This manual contains the **basic** steps necessary to completely update NS-Link or SocketServer firmware and Bootloader in the DeviceMaster using PortVision Plus.

In the event a failure of these procedures is experienced, it is recommended that Comtrol Technical Support be contacted for additional assistance. This document does not include instructions for configuring security in the DeviceMaster.

This manual will show step-by-step instructions for this procedure when using the Microsoft Windows Operating Systems.

This manual contains no explanations for the procedures outlined here. For full information and details, please see the DeviceMaster user guide and the DeviceMaster NS-Link user guide. DeviceMaster user guide: <u>ftp://ftp.comtrol.com/dev\_mstr/rts/docs/dev\_mstr\_install\_guide.pdf</u> DeviceMaster NS-Link user guide: <u>ftp://ftp.comtrol.com/dev\_mstr/rts/docs/ns-link\_user.pdf</u>

For new installations see all of the chapters. For an update situation you may already have PortVision Plus installed and IP addresses assigned to the DeviceMaster. If that is the case, you may skip some of the chapters as desired, but it is recommended that you save your DeviceMaster configurations in any event.

Please note: Screen shots showing version numbers will not be correct and are shown as examples.

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Begin by downloading the desired files by clicking on the links and saving to a convenient directory. PortVision Plus: ftp://ftp.comtrol.com/legacy/dev\_mstr/portvision\_plus/pvplus\_v4.08.msi

PortVision Plus Help and User Guides: <u>ftp://ftp.comtrol.com/legacy/dev\_mstr/portvision\_plus/docs.exe</u> The current version of SocketServer may be downloaded using this link:

ftp://ftp.comtrol.com/dev\_mstr/rts/software/socketserver/

You will see a file in this folder called socketserver-#.##.bin (replace #'s with numbers)

The current version of Bootloader may be downloaded using this link:

ftp://ftp.comtrol.com/dev\_mstr/rts/software/bootloader/

You will see a file in this folder called bootloader-#.##.bin (replace #'s with numbers) *Please note: SocketServer and NS-Link have been incorporated into a single bin (binary) file. By default, once loaded, the file will show SocketServer in both the web page and PortVision Plus <u>until a driver begins communication</u> with this DeviceMaster. Once a driver establishes communications, the firmware will now indicate that it is NS-Link.* 

Common Application Firmware files for the DeviceMaster UP are also available and may be downloaded from the Comtrol web site: <a href="https://www.comtrol.com">www.comtrol.com</a>

It will be necessary that the PC and the DeviceMaster both have static IP addresses assigned so as to allow full IP communications. Ideally this will be a direct connection between the PC and the DeviceMaster in which case DHCP will not be able to assign IP addresses to either the PC or DeviceMaster. If the update procedure fails, it *will* be necessary to have IP addresses assigned to both the PC and the DeviceMaster. If the DeviceMaster is to be updated while attached to a network, the Bootloader Timeout value may have to be modified which can only be done using IP communications.

Please note: It is mandatory that all security protocols on the DeviceMaster be **disabled** before beginning this procedure. If desired, after completion, the secure config option may be reselected from the DeviceMaster home page > Configure Security options. Do not select the 'Secure Data' mode as this is not compatible with the driver installed in the PC.

## PortVision Plus Installation

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If a previous version of PortVision Plus is currently installed, uninstall it by going to Control Panel>Add or Remove Programs. Select PortVision from the list and click on 'Remove'.

Note: If running Windows 2000, current versions of PortVision Plus will not install. You must use this version (or earlier) of PortVision Plus in Windows 2000:

ftp://ftp.comtrol.com/contribs/devicemaster/portvision/windows\_2000\_version/pvplus\_v3.08.msi

Run the pvplus\_v4.xx.msi file.





Select the "I accept..." and click 'Next'



Accept the default and click 'Next'

🕏 PortVision Plus Setup	
Configure Shortcuts Create application shortcuts	Comtrol'
Create shortcuts for PortVision Plus in the following locations	:
Desktop	
Advanced Installer	
< <u>B</u> ack	Next > Cancel

You will get the option to create a desktop shortcut. Select  $\underline{N}$ ext

🖟 PortVision Plus Setup	🔀 PortVision Plus Setup	X
Ready to Install The Setup Wizard is ready to begin the Typical installation	Installing Port¥ision Plus	Comtrol
Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.	Please wait while the Setup Wizard installs PortVision P minutes.	lus. This may take several
	Status:	
Advanced Installer	Advanced Installer	
< <u>B</u> ack Install Cancel	< <u>B</u> ack	Next > Cancel
Select <u>I</u> nstall	Files will now copy and the applicat	ion will register itself
	to the system	



Select No to download the current DeviceMaster User Guides and Help files.

The documentation files have already been downloaded. Install the Documentation manually to PortVision Plus by running the docs.exe file downloaded earlier. This file will extract the user guides and manuals to the default PortVision Plus destination directory of "C:\Program Files\Comtrol\PortVision Plus" and add a \Docs sub-directory to this directory. If you have changed the installation of PortVision Plus to a different location, the extraction path must be modified accordingly for the help files to display properly.





#### PortVision Plus DeviceMaster Discovery

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Connect an Ethernet patch cable directly from the NIC in the PC/laptop to the DeviceMaster. If the DeviceMaster has both an UP and DOWN Ethernet port, connect the patch cable to the DOWN port. If only a single Ethernet port is on the DeviceMaster, then it will auto sense the type of cable used. Do not have any routers, switches or hubs between the PC and the DeviceMaster. This will facilitate the safest and most reliable update process.

Please note: Do not set any security options on the DeviceMaster until scanned into PortVision Plus as doing so will prevent PortVision Plus from being able to discover that DeviceMaster.

#### Start PortVisionPlus

🕅 PortVis	ion Plus												(	
<u>F</u> ile F <u>o</u> lder	Device	⊻iew _	<u>T</u> ools <u>H</u> elp	)										
Scan F	Refresh	Config	save Save	الله Load	<i>∲</i> Upload	2 Reboot	Web Mgr	V Notes	🍤 Help	<b>()</b> About	🚄 Exit			
		DN <sup>®</sup> J⊆											ER®	
				🔺 Dev	/ice Name	Mo	odel	IP Add	ress	MAC Addr	ess	Software Version	Statu	s
Scan the local	l network f	or new [	DeviceMast	ers								Γ	00	Ready //

Select the "Scan" icon on launch bar.

Scan Ne	twork	X
2	Do you want to scan the network for new devices?	
	<u>Yes</u> <u>N</u> o	

## Select Yes

Your line item(s) may be slightly different depending on the hardware, version of software, IP address assigned, etc. Note the IP address. You will be using IP to communicate to the DeviceMaster. The IP address must be compatible with the IP address assigned to the PC. If you do not see the DeviceMaster listed, click the "Scan" icon on the launch bar.

₩. P	ortV	ision Plu	s													$\mathbf{X}$
Eile	F <u>o</u> ld	er <u>D</u> evice	<u>V</u> iew <u>T</u> o	ols <u>H</u> elp												
				*	4	R	2	Q	$\propto$	٠	0	4				
Sc	an.	Refresh	Config	Save	Load	Upload	Reboot	Web Mgr	Notes	Help	About	Exit				
PORTVISION <sup>®</sup>																
	Sca	an Results [:	3 of 3 online		▲ Dev	ice Name	Mo	idel	IP Addre	ss	MAC Address	;	Software Versio	on St	atus	
					Ӯ Dev	/ice 07:00:1	7E RTS	5-4P (DB9)	192,168.2	250.250	00:C0:4E:07:	00:7E S	50cketServer 7.1	07 ON	I-LINE	
					🕗 Dev	/ice 19:00:8	EA PRO	D-16P (RJ45)	) 192.168.2	250.250	00:C0:4E:19:	00:EA 9	5ocketServer 7.1	07 ON	HLINE	
				ľ	🕑 Dev	ice 2A:FF:	F9 RTS	5-2P (DB9/1E	i) 192.168.2	250.250	00:C0:4E:2A:	FF:F9 5	5ocketServer 7,1	07 ON	I-LINE	
For He	elp, p	ress F1											Scan Res	sults 3	0 Ready	

#### Save the DeviceMaster Configuration to a File

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Saving the configuration is highly recommended. When uploading new firmware over earlier versions, the configuration information may be lost. If this is a new install and the DeviceMaster has never been configured, this chapter may be skipped and you should proceed to the next chapter.

Please Note: <u>PortVision Plus will not be able to save the DeviceMaster configuration file when the version number of</u> <u>SocketServer/NS-Link is greater than version 8.99. In this situation PortVision DX MUST be used.</u>

#### Highlight the DeviceMaster and click the 'Save' icon on the launch bar.

🕅 PortVision Plus								
<u>File Folder D</u> evice <u>V</u> iew <u>T</u> oo	ols <u>H</u> elp							
Scan Refresh Config	Save Load Upload Re	eboot Web Mgr Notes	Help About Ex	; cit				
Save Configuration         Use menu or toolbar to add device-specific notes in this area.         PORTVISION								
	] Device Name	Model IP A	ddress MAC Address	Software Version	Status			
	Device 28:FF:F5	RTS-2P (1E) 192.1	68.2.22 00:C0:4E:28:FF	:F5 SocketServer 7.19	Firmware u			
	Device 29:FF:F6	RTS-2P (2E) 192.1	68.250.250 00:C0:4E:29:FF	:F6 SocketServer 7.06	ON-LINE			
Save existing configuration of the s	selected device into a file		Sca	n Results 2 1 Polling	] <i>  </i> //			



Input a file name and click <u>Save</u>

Save Configuration
Please select the fields you want to save.
⊡- □ All ⊡- □ Network Settings
⊕- □ Email Settings     ⊕- □ BEC1006 Settings
, 
Done

You will be presented an options window to select the fields you wish saved.

Selecting the 'All" option will save every field. When restoring or 'Loading' the configuration, the same options will be shown so you may select what fields to restore. Different options will be seen for different types of firmware, so your screen may not be as shown here.

Save Configuration
Please select the fields you want to save.
<ul> <li>Network Settings</li> <li>IP Address</li> <li>Subnet Mask</li> <li>Default Gateway</li> <li>TCP Keepalive Timeout</li> <li>Rx Polling Interval</li> <li>Bootloader Timeout</li> <li>Email Settings</li> <li>Port Settings</li> <li>Port Settings</li> <li>Port Setial Configuration</li> <li>TCP Connection Configuration</li> <li>UDP Connection Configuration</li> <li>Port 02</li> <li>Security Settings</li> </ul>
Done

This window displays some of the fields with the "All" option. selected. Click 'Done' when ready.



You should see this confirmation dialog.

Save Co	nfiguration 🛛 🛛
⚠	You didn't select any fields!
	OK

This will be displayed if no field has been selected above

## Configure the DeviceMaster IP information

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Highlight the 1<sup>st</sup> line item and then "Double Click" it to open the IP programming pages.

🔽 PortVision Plus								
<u>File Folder D</u> evice <u>V</u> iew <u>T</u> ools <u>H</u> elp								
👗 😂 🥔 🤞	🎐 🤌 🧶	🌣 🐤 🚯 考						
Scan Refresh Config Save Li	oad Upload Reboot Web Mgr	Notes Help About Exit						
PORTVISION®     Use menu or toolbar to add device-specific notes in this area.     Notes associated with the selected device								
Scan Results [3 of 3 online]	Device Name Model	IP Address MAC Address	Software Version Status					
♥	Device 07:00:7E RTS-4P (DB9)	192,168,250,250 00:C0:4E:07:00:7E	SocketServer 7.07 ON-LINE					
Q	Device 19:00:EA PRO-16P (RJ45)	192,168,250,250 00:C0:4E:19:00:EA	SocketServer 7.07 ON-LINE					
Ø	Device 2A:FF:F9 RTS-2P (DB9/1E)	192,168,250,250 00:C0:4E:2A:FF:F9	SocketServer 7.07 ON-LINE					
For Help, press F1			Scan Results 3 1 Ready					

## The IP Programming window will open.

Configure Device : Device 07:00:7E	
Tools User Guides	
DeviceMaster RTS 4-Port (DB9)	
	DOB PWR
Detection Type :     LOCAL     Device Name :     Device 07:00:7E     MAC Address :     00:C0:4E:0       Apply Changes     Network Settings	17:00:7E
Undo Changes C Disable IP	
Reboot Device         IP Address:         192.168.250.250           Contraction         Static IP         Static IP         Static IP	
Load Settings from a File	
Help	
Close	

Change the IP information to match to the desired network. In this example, the network to be used will be 192.168.2.x.

Configure Device : Device 0	7:00:7E	
<u>T</u> ools <u>U</u> ser Guides		
	DeviceMaster RTS 4-Port (DB9)	
		J
Detection Type : LOCAL	Device Name : Device 07:00:7E MAC Address : 00:C0:4E:07:00:7E  Network Settings	
App Undo Changes	oly all the changes to the device C Disable IP	
Reboot Device	O DHCP IP     IP Address : 192 . 168 . 2 . 43	
Save Settings to a File	Subnet Mask : 255 . 255 . 0 . 0	
Load Settings from a File	Default Gateway :   192 . 168 . 2 . 1	
Help		
Close		

Modify the IP Address, Subnet Mask and Gateway address for compatibility with your network. Once the values have been entered, select 'Apply Changes' and then select 'Close'. The DeviceMaster will now reboot to set the new IP information. This example uses a Network of 192.168.2.x addresses,

The new IP address should now display and the DeviceMaster will be rebooting as seen in the "Status".



Repeat for additional units.

#### Setting the Timeout Value in the DeviceMaster

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🕅 PortVisio	on Plus					,	,		
File Folder	Device View Tools Help								
Scan R	Add New Device Rename Device Move Device Delete Device	Upload	C Keboot Web	Mgr Notes	🦘 Help	<b>1</b> About	🐳 Exit		
PORT	Web Manager Configure Device Telnet / SSH Session Edit Device Notes Load Configuration File Save Configuration to File	par to add devi	ce-specific no	es in this area.	<			ALL	
	Refresh Device					J			
Scan F	Upload Firmware	evice Name	Model	IP Address		MAC Addres	ss Soft	ware Version	Status
	Change Detection Type Assign IP to Multiple Devices	- ievice 28:FF:F9 ievice 29:FF:F6	5 RTS-2P (1E) 5 RTS-2P (2E)	192.168.2.21 192.168.250	.250 0	0:C0:4E:28 0:C0:4E:29	:FF:F5 Socke :FF:F6 Socke	stServer 7.06 stServer 7.06	ON-LINE ON-LINE
	Select All Ctrl + A								
Access the sele	ected device(s) using Telnet session	_					Scan Re	sults 2 1	Ready //

## Highlight the line item as shown (version numbers shown in screen shots may be different)

Using the Device drop down menu (or right click on the DeviceMaster) select Telnet / SSH Session.

Telnet / SSH Settings	
С ssн	Selected Port : 23
ОК	Cancel

Click "OK" leaving the Selected Port set to the default 23.

A Telnet window will open to a Password prompt as shown on the next page.

Please note: The following screen shots are shown using the telnet application included in WindowsXP.

PortVision Plus now includes PUTTY as the telnet application as there are now several versions of Windows that do not, by default, install the telnet application. This difference will not affect the text seen in the window.

Please note: Version numbers displayed will be different than shown in these examples.



If no password has been assigned, press the 'Enter' key. If a password has been assigned to this DeviceMaster enter the password and press the 'Enter' key.



You should now see something like the screen above. The prompt may indicate dm> or RedBoot>. Either prompt is acceptable.

Type in Timeout 45, Press Enter



#### You should see the value confirmed



Type in 'q' and press Enter



The Telnet window will close.

#### Please note:

If you have installed the DeviceMaster driver in your system, you will want to disable the driver to prevent possible conflicts while using PortVision Plus to update the firmware.

Open Windows DeviceManager and expand the Multi-port serial adapters category .

Right click on the DeviceMaster that is having its firmware updated

From the pop-up menu, select "Disable"

Select OK in the pop-up dialog window.

Repeat for each DeviceMaster that is to have the firmware updated.

Close Windows DeviceManager. You will return later to enable the driver.

#### **Updating the Firmware**

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Your line item (highlighted entry) may be slightly different depending on the hardware, version of software, IP address assigned, etc.

Highlight the line item and select the 'Upload' icon from the launch bar.



Path out to the firmwares' .bin file location

NOTE: Upload the application firmware file FIRST! This is critical! Application firmware is all firmware files OTHER than Bootloader. Bootloader is NOT an application file.

This example will use SocketServer, but it could also be NS-Link or EthernetIP for a DeviceMaster UP model. Select 'Open'

Screen shots do NOT show current versions.

Please locate th	ne new firmwar	D	<u> ? X</u>		
Look jn:	🗁 v7.19		•	(† 🖻 🖆 🎟	•
My Recent Documents Desktop	Socketserver-7	.19.bin			
My Documents					
My Computer					
My Network	File name:	socketserver-7.19.bin		▼	Open
Places	Files of type:	Firmware binary (*.bin)		•	Cancel

Read the confirmation message and select 'Yes'



During this process you may receive notifications from the Windows Operating System that the Ethernet connection has been lost or that a network cable is unplugged. This is normal and expected so please disregard these notices.

Once uploading has completed the following screen will show.

Upload	Firmware	×
(į)	If status of any device reads "Firmware Uploaded", it is highly recommended not to use that device until it reads "ON-LINE".	
	OK	

Click 'OK'

If you now refresh the DeviceMaster you may see the Software Version show a version of Bootloader. If this version is prior to 3.16, then the Bootloader file will need to be updated.

V.	PortVisi	on Plus									[	
Eile	F <u>o</u> lder	<u>Device</u> <u>View</u> <u>T</u> ools <u>H</u>	<u>l</u> elp									
	5can R	Add New Device Rename Device Move Device Delete Device		Dpload	Reboot V	QQ Web Mgr	Xotes	🦘 Help	About	<b>4</b> Exit		
	PORT	Web Manager Configure Device Telnet / SSH Session Edit Device Notes Load Configuration File Save Configuration to	e File	par to add de	vice-specific	c notes in t	his area.	<			. With	
		Refresh Device							,			
	📲 Scan F	Upload Firmware		evice Name	Model	IP	Address		MAC Addres	ss Soft	ware Version	Status
				evice 28:FF:I	F5 RTS-2P	(1E) 192	.168.2.21	(	00:C0:4E:28	FF:FS Bootl	Loader 3.11	ON-LINE
		Change Detection Typ Assign IP to Multiple D	e evices	evice 29:FF:I	F6 RTS-2P	(2E) 192	.168.250.3	250 (	00:C0:4E:29	:FF:F6 Sock	etServer 7.06	ON-LINE
		Select All Ct	rl + A									
Refr	esh the se	lected device(s)	1							Scan Re	esults 21	Ready //

Once the socketserver-x.xx.bin is uploaded you should see this screen. Note the highlighted line item details. The Software Version should now indicate SocketServer x.xx.bin and the status should be ON-LINE. Refresh as necessary until the update is shown.

🔀 PortVision Plus						
<u>Fi</u> le F <u>o</u> lder <u>D</u> evice <u>V</u> iew <u>T</u> ool:	ls <u>H</u> elp					
Scan Refresh Config	Save Load Upload	Reboot Web Mgr Not	🎽 🍫 🚺 🚽 tes Help About E	xit		
Jocali Kerreshi Coning Save Load opload Rebote Webring Notes Intip Hodet Exit						
	Device Name	Model IP	Address MAC Address	Software Version Status		
	Device 28:FF:F	=5 RTS-2P (1E) 192	2.168.2.22 00:C0:4E:28:FF	F5 SocketServer 7.19 ON-LINE		
	Device 29:FF:F	=6 RTS-2P (2E) 192	2.168.250.250 00:C0:4E:29:FF	F6 SocketServer 7.06 ON-LINE		
For Help, press F1				Scan Results 2 1 Ready		

If the upload failed for any reason, repeat the process for socketserver-x.xx.bin until success is achieved. **NOTE! If the socketserver-x.xx.bin upload failed for any reason DO NOT ATTEMPT TO LOAD BOOTLOADER!** You may call Comtrol Technical Support at 763-957-6000 for instructions. If the upload was successful, continue to the next step.

Highlight the line item in PortVision Plus and select 'Upload Firmware' from the option on the left. Path to the Bootloader-3.xx.bin file.

Please locate t	he new firmwar	e		D	<u> ? X</u>
Look jn:	🔁 v3.16		•	🗢 🗈 💣 🧱	•
My Recent Documents Desktop My Documents My Computer	bootloader-3.1	6.bin			
My Network Places	File <u>n</u> ame: Files of <u>ty</u> pe:	bootloader-3.16.bin Firmware binary (*.bin)		•	<u>O</u> pen Cancel

Click 'Open'

Read the confirmation.



Click 'Yes'

During this process you may receive notifications from the Windows Operating System that the Ethernet connection has been lost or that a network cable is unplugged. This is normal and expected so please disregard these notices.

You should see the status bar again in PortVision Plus proceeding.

Once completed the following screen will show.

	Upload	Firmware	×
	٩	If status of any device reads "Firmware Uploaded", it is highly recommended not to use that device until it reads "ON-LINE".	
		OK ]	
(	Click 'OK'		

Firmware Updates are now complete. Repeat as necessary for additional DeviceMaster units.

#### Load the DeviceMaster Configuration from a File

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This chapter is optional. After updating the firmware, restore or 'Load' the configuration information previously saved. If no changes have been made to the default settings, you may skip this procedure.

Please be aware that the format of the configuration files has dramatically changed in the version 9.xx SocketServer firmware. You will NOT be able to load the configuration from an earlier version of SocketServer into the DeviceMaster. Once version 9.xx is installed, PortVision DX (<u>ftp://ftp.comtrol.com/dev\_mstr/portvision\_dx/</u>) must be used to save and load configuration files. For assistance with this, please contact your Comtrol Technical Support Representative.

Your line item (highlighted entry) may be different depending on the hardware, version, IP address assigned, etc. Highlight the line item and select the 'Load' icon from the launch bar.

🕅 PortVision Plus						
<u>Fi</u> le F <u>o</u> lder <u>D</u> evice <u>V</u> iew <u>T</u> ools <u>H</u> elp						
1 😂 🥔 🚸 🔌 🧶 🧶 🎸 🍫 🖬 🚽						
Scan Refresh Config Save Load Upload Reboot Web Mgr Notes Help About Exit						
Load Configuration       Use menu or toolbar to add device-specific notes in this area.       PORTVISION						
Scan Results [2 of 2 online]	itus					
Device 28:FF:F5 RTS-2P (1E) 192.168.2.22 00:C0:4E:28:FF:F5 SocketServer 7.19 ON-	LINE					
Device 29:FF:F6 RTS-2P (2E) 192.168.250.250 00:C0:4E:29:FF:F6 SocketServer 7.19 ON-	LINE					
Load a device configuration file into the selected device(s) Scan Results 2 1 Rear	Jy //					

This confirmation dialog will be presented

Warnin	g	$\times$
♪	Please note: - This process may take up to 25 seconds per device. - It will also reboot the selected device(s), if necessary.	
	Do you want to continue?	
	<u>Y</u> es <u>N</u> o	

Select Yes

Path to the saved location

	Load Configuration
Open Configuration       Image: Configuration       I	Please select the fields you want to Load.
My Network File name: supply a name here.dmc Places Files of type: DeviceMaster Configuration Files (".dmc) Cancel	Done
Highlight the name and select Open	Select which fields to restore

Highlight the name and select Open

In this example I am only selecting the Port settings

Load Configuration
Please select the fields you want to Load.
<ul> <li>All</li> <li>Network Settings</li> <li>Email Settings</li> <li>■ BFC1006 Settings</li> <li>■ Port Settings</li> <li>■ Security Settings</li> </ul>
Done
Click Done



A confirmation dialog will be presented

Repeat as necessary for additional DeviceMasters

#### Reset the Timeout Value in the DeviceMaster Back to top

#### Highlight the line item as shown.

🕅 Port	Vision Plu	5											
<u>File Fo</u> ld	der <u>D</u> evice	<u>V</u> iew <u>T</u> o	ools <u>H</u> elp										
4			🚸		R	2		$\triangleleft$	-	0	4		
Scan	Refresh	Config	Save	Load	Upload	Reboot	Web Mgr	Notes	Help	About	Exit		
Use menu or toolbar to add device-specific notes in this area.           PORTVISION®													
So	can Results [	2 of 2 onlin	e]	Device Na	ame		<ul> <li>Mode</li> </ul>	I IP A	ddress	MAC Ad	dress	Software Version	n Status
				<b>V</b> 02	1 Device 28	B:FF:F5 F	RTS-2P (1E)	192.	168.2.21	00:C0:4	E:28:FF:F5	NS-Link 7.10	ON-LINE
				024	4 Device 2E	3:FF:F1 F	(TS-2P (DB	9/2E) 192.	168.2.24	00:C0:4	:28:FF:F1	SocketServer 7.1	0 ON-LINE
For Help, p	press F1											Scan Results	2 1 Ready

Double click on the DeviceMaster to open the Configure Device page.

Configure Device : Device 28:FF:F5								
<u>T</u> ools <u>U</u> ser Guides								
	DeviceMaster RTS 2-Port (1E)							
Detection Type : LOCAL	Device Name : Device 28:FF:F5     MAC Address : 00:C0:4E:28:FF:F5							
Apply Changes	Network Settings   Security Settings   Email Settings   HFC1005 Settings   Port Settings							
Undo Changes	C Disable IP							
Behoot Device	C DHCP IP							
	Static IP IP Address : 192 . 168 . 2 . 21							
Save Settings to a File	Subnet Mask : 255 . 255 . 0 . 0							
Load Settings from a File	Default Gateway :   192 . 168 . 2 . 1							
	TCP Keepalive Timeout : 60							
Help	Rx Polling Interval : 50							
Close	Bootloader Timeout : 💷							

Change the Bootloader Timeout value to 1 from the displayed 45.

Click "Apply Changes" and "Close". The new Bootloader Timeout setting will take effect on the next reboot of the DeviceMaster.

Repeat for additional DeviceMasters as necessary.

Open Windows DeviceManager and enable the DeviceMaster(s) that has been disabled.

#### Instructions Revision History Back to top

Revision history

Version 1.4 4/14/2014 Removed file names from links

Version 1.3 9/9/2013 Updated links to current revisions

Version 1.2 9/25/2012 Updated links to current revisions

Version 1.1 2/1/2012 Updated links to current revisions Remove link to resident NS-Link

Version 1.1 8/1/2011 Updated links to current revisions Added chapters Replaced some screen shots

Version 1.0 Initial release 1/7/2011

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