

QuadPort 2

Firmware Upgrade Guide

Release date: 23 JUN 2023



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Purpose

This guide describes the steps to upgrade the firmware for the QuadPort 2 using physical connections from the QuadPort 2 to a PC/laptop.

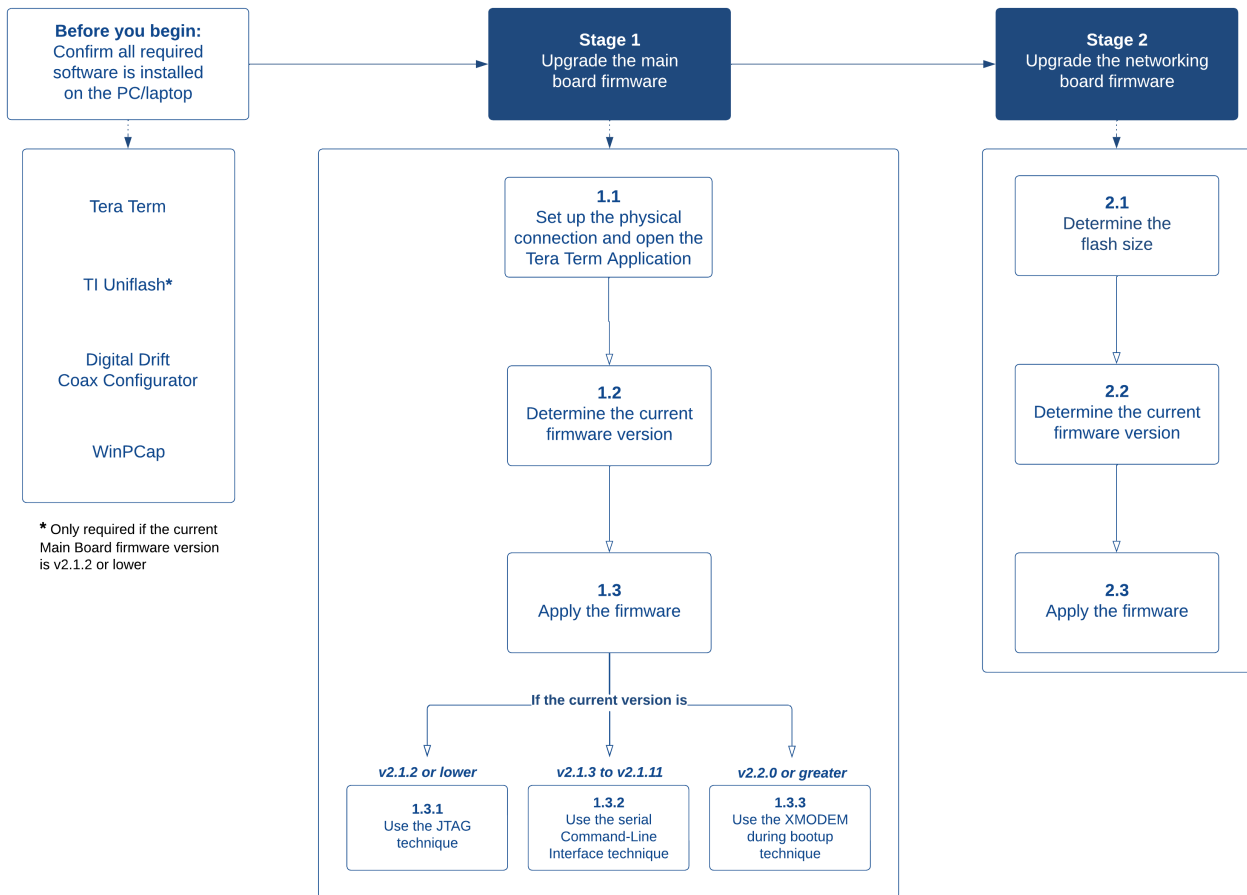
Scope

This guide applies to anyone responsible for upgrading the firmware for the QuadPort 2.

This guide does not include instructions for updating the firmware via Bluetooth, using the **Digital Drift Connect** mobile application.

Flowchart: How to upgrade the firmware of the QuadPort 2


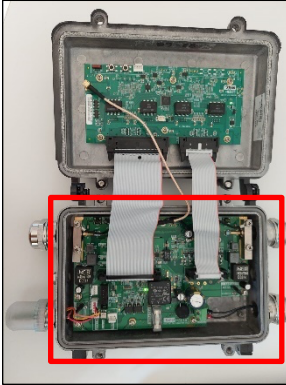
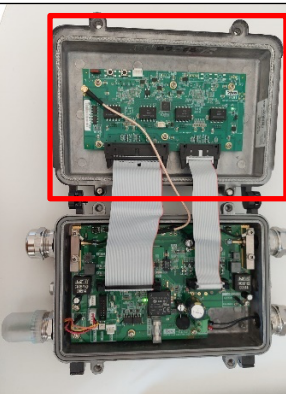


The flowchart illustrates the steps required to upgrade the firmware for all circuit boards in a QuadPort 2.







Before you Begin: Parts Description

The following parts are required to upgrade the firmware.

Part Description		Required in
<p>1. QuadPort 2</p>		<p>Sections 1 and 2 of this guide</p>
<p>2. QuadPort 2 Main Board, located in the base.</p> <p>This circuit board is responsible for RF splitting/combining, narrowband VHF diagnostics (on DDLFS-QP2-xxx models) and all power related functions, including the PoE controller.</p> <p>Note: The image is an example only and may vary, depending on the hardware variant.</p>		<p>Section 1 of this guide</p>
<p>3. QuadPort 2 Networking Board, also known as the Ethernet board, located in the lid.</p> <p>This circuit board is responsible for the Ethernet over Coax (EoC) signal processing, and the Layer 2 Ethernet switching.</p> <p>Note: The image is an example only and may vary, depending on the hardware variant.</p>		<p>Section 2 of this guide</p>
<p>4. A USB to TTL serial cable. Either:</p> <ul style="list-style-type: none"> ▪ RFI DD-CONSOLE-USB ▪ FTDI TTL-232R-RPI 		<p>Section 1 of this guide</p>
<p>5. TI JTAG programmer</p> <p>Note: Only required if the Main Board firmware is currently V2.1.2 or lower</p>		<p>Section 1 of this guide</p>



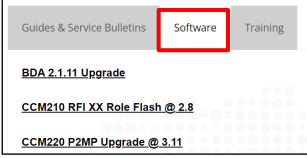
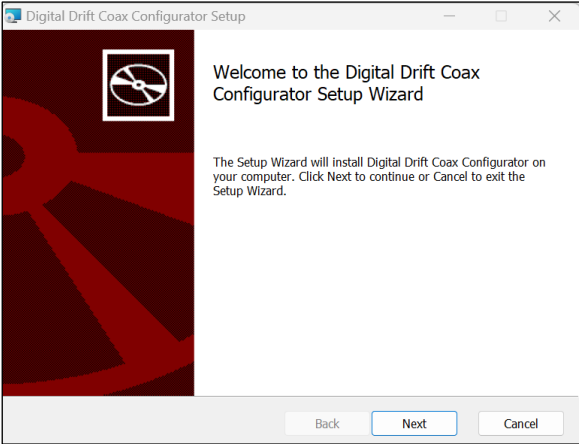
Part Description		Required in
6. Ethernet cable	 	Section 2 of this guide

Before you Begin: Software Required

The following software must be installed on the PC/laptop to perform the firmware upgrade.

Software Name	Required in	Install Instructions						
<ul style="list-style-type: none"> Tera Term 	<p>Section 1: Upgrade the Main Board Firmware</p>	<p>Install Tera Term. To do this:</p> <ol style="list-style-type: none"> Copy and paste the following link into an internet browser: https://ttssh2.osdn.jp/index.html.en Click [Download]. <div data-bbox="778 589 1174 663" style="border: 1px solid black; padding: 5px;"> <p>Tera Term Home Page</p> <p>[Project page] [License] [Download] [Snapshot] [Document] [Users ML]</p> </div> <ol style="list-style-type: none"> Click the latest .exe file from the Download Package List. <div data-bbox="778 732 995 1003" style="border: 1px solid gray; padding: 5px;"> <p>Download Package list</p> <p>Tera Term (38 items) Hide</p> <p>4.106 (2 files) Hide</p> <p>Name</p> <p>teraterm-4.106.exe</p> <p>teraterm-4.106.zip</p> <p>4.105 (2 files) Show</p> <p>4.104 (2 files) Show</p> </div> <p style="color: red; margin-left: 200px;">Select the latest .exe file</p> <ol style="list-style-type: none"> Follow/accept the prompts to install Tera Term. 						
<ul style="list-style-type: none"> TI Uniflash <p>Note: Only required if the current firmware version is v2.1.2 or lower</p>	<p>Section 1.3.1 –Apply upgrade using the JTAG technique</p>	<p>Install TI Uniflash on the PC/laptop. To do this:</p> <ol style="list-style-type: none"> Copy and paste the following link into an internet browser: https://www.ti.com/tool/UNIFLASH Click Downloads. <div data-bbox="778 1290 1160 1420" style="border: 1px solid gray; padding: 5px;"> <p>UNIFLASH</p> <p>UniFlash flash programming tool</p> <p>Overview Downloads Related design resources Support & training</p> </div> <ol style="list-style-type: none"> Select Download options. <div data-bbox="778 1491 1394 1588" style="border: 1px solid gray; padding: 5px;"> <p>Downloads</p> <p>SOFTWARE PROGRAMMING TOOL</p> <p>UNIFLASH – UniFlash for most TI microcontrollers (MCUs) and mmWave sensors</p> <p>Supported products & hardware</p> <p style="text-align: right; color: red;">Develop in the cloud Download options</p> </div> <ol style="list-style-type: none"> Select the appropriate Installer. <div data-bbox="778 1659 1399 1827" style="border: 1px solid gray; padding: 5px;"> <p>Downloads Supported products & hardware</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid red;">UniFlash Windows Installer – 271980 K</td> <td style="text-align: right;">MD5 checksum 7a14b94d31965a577aea013c3cd156e4</td> </tr> <tr> <td>UniFlash Linux Installer – 262562 K</td> <td style="text-align: right;">MD5 checksum 1c81dba06aea8f6e26dba87f591214c4</td> </tr> <tr> <td>UniFlash MacOS Installer – 207942 K</td> <td style="text-align: right;">MD5 checksum c98cd29a004df61ad54ab4547a42179f</td> </tr> </table> </div> <ol style="list-style-type: none"> Open the file and follow/accept the prompts to install. 	UniFlash Windows Installer – 271980 K	MD5 checksum 7a14b94d31965a577aea013c3cd156e4	UniFlash Linux Installer – 262562 K	MD5 checksum 1c81dba06aea8f6e26dba87f591214c4	UniFlash MacOS Installer – 207942 K	MD5 checksum c98cd29a004df61ad54ab4547a42179f
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UniFlash MacOS Installer – 207942 K	MD5 checksum c98cd29a004df61ad54ab4547a42179f							

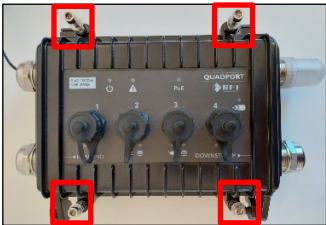
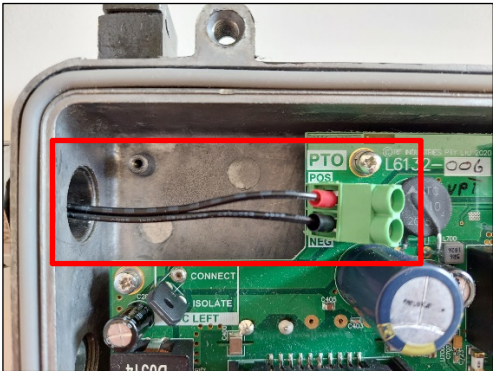
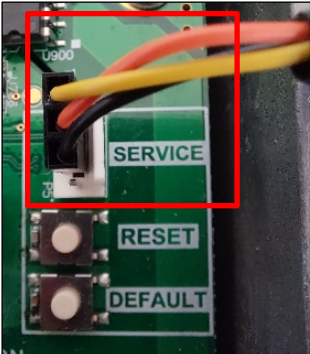


Software Name	Required in	Install Instructions
<ul style="list-style-type: none"> ▪ Digital Drift Coax Configurator 	Section 2: Upgrade the Networking Board	<p>Install Digital Drift Coax Configurator. To do this:</p> <ol style="list-style-type: none"> Copy and paste the following link into an internet browser: https://products.rfi.com.au/en-au/digital-drift-industrial Scroll down to locate and click on the Software tab.  <ol style="list-style-type: none"> Select Digital Drift Coax Configurator. Follow and accept the prompts to install the Digital Drift Coax Configurator. 
<ul style="list-style-type: none"> ▪ WinPCap 	Section 2: Upgrade the Networking Board	<p>Install WinPCap. To do this:</p> <ol style="list-style-type: none"> Copy and paste the following link into an internet browser: https://www.winpcap.org/install/bin/WinPcap_4_1_3.exe Follow and accept the prompts to install WinPCap.


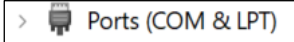
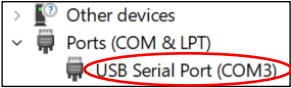
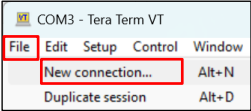
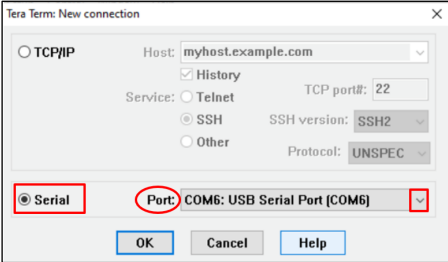
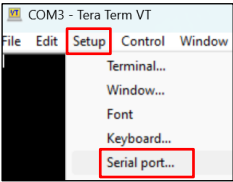


1. Upgrade the Main Board Firmware

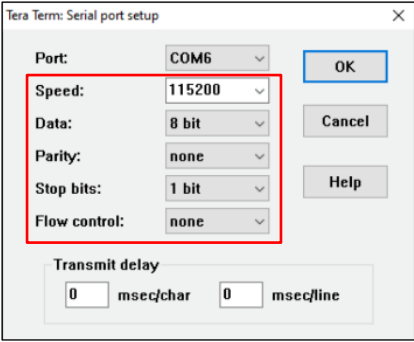
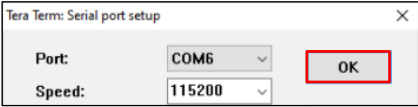
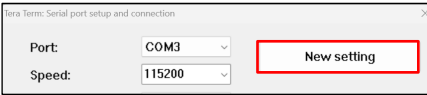
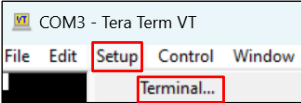

1.1 Set up the physical connection and open the Tera Term Application

Step	Action
1.	<p>Loosen the four screws of the QuadPort 2 to open the enclosure.</p> 
2.	<p>Power on the QuadPort 2, by either:</p> <ul style="list-style-type: none"> ▪ Applying DC power to the PTO green terminal block; or  <ul style="list-style-type: none"> ▪ Drawing DC power from the coaxial backbone cable. <p>Note: A green LED light displays on the Main Board when on.</p>
3.	<p>Connect the USB to TTL serial cable from the QuadPort 2 SERVICE port to the USB port in the PC/laptop, as shown in the image below.</p> 

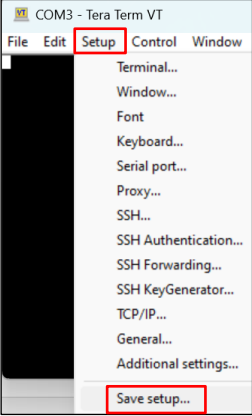


Step	Action
4.	<p>Identify the COM port being used by the USB to TTL serial cable in the PC/laptop. To do this:</p> <ol style="list-style-type: none"> In the search field of your PC/laptop, enter Device Manager and press Enter.  <p>Result: The Device Manager box displays.</p> <ol style="list-style-type: none"> Click  Take note of the COM port that displays for the USB Serial Port entry, as this information is required for a later step. <p>Example:</p> 
5.	<p>Open Tera Term in the PC/laptop and from the top menu bar, select File and select New connection.</p> <p>Note: See section Before you Begin: Software Required for instructions on how to install Tera Term.</p>  <p>Result: The Tera Term New connection dialog box displays.</p>
6.	<p>Select Serial and select the correct serial COM port from the Port field drop-down box, identified in step 4 above.</p> 
7.	<p>Click OK.</p> <p>Result: The Tera Term New connection dialog box closes.</p>
8.	<p>From the top menu bar, select Setup and select Serial port.</p>  <p>Result: The Tera Term: Serial port setup and connection dialog box displays.</p>

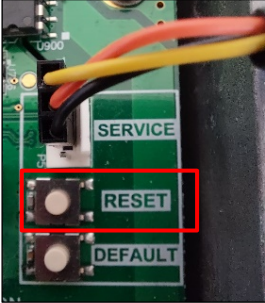


Step	Action
9.	<p>Enter the following values in the corresponding fields:</p> <ul style="list-style-type: none"> ▪ Speed: 115200 ▪ Data: 8 bit ▪ Parity: none ▪ Stop bits: 1 bit ▪ Flow control: none 
10.	<p>Click OK.</p>  <p>Note: New setting may display instead of OK. In this case, click New setting.</p>  <p>Result: The Tera Term: Serial port setup and connection dialog box closes.</p>
11.	<p>From the menu bar, select Setup and select Terminal.</p>  <p>Result: The Tera Term: Terminal setup dialog box displays.</p>
12.	<p>In the New-line section, select the following settings:</p> <ul style="list-style-type: none"> ▪ In the Receive field, select AUTO from the drop down. ▪ In the Transmit field, select CR from the drop down. 
13.	<p>Click OK.</p> <p>Result: The Tera Term: Terminal setup dialog box closes.</p>



Step	Action
14.	Save the selected Tera Term configuration. To do this: <ol style="list-style-type: none"><li data-bbox="229 331 927 360">From the top menu bar, select Setup and select Save Setup.
	 A screenshot of the Tera Term application window titled 'COM3 - Tera Term VT'. The menu bar at the top includes 'File', 'Edit', 'Setup', 'Control', and 'Window'. The 'Setup' menu is open, showing a list of options: 'Terminal...', 'Window...', 'Font', 'Keyboard...', 'Serial port...', 'Proxy...', 'SSH...', 'SSH Authentication...', 'SSH Forwarding...', 'SSH KeyGenerator...', 'TCP/IP...', 'General...', and 'Additional settings...'. The 'Save setup...' option at the bottom of the menu is highlighted with a red box. The 'Setup' menu item in the top bar is also highlighted with a red box.
	Result: The Tera Term: Save setup dialog box displays.
	b. Click Save to over-write the default setup.
	Result: The Tera Term Save setup dialog box closes.


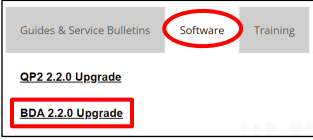
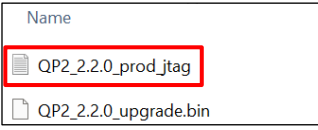
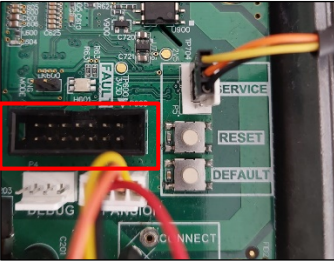
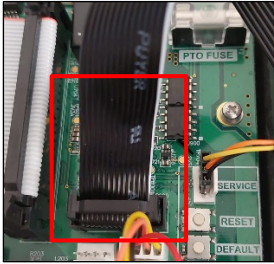

1.2 Determine the current firmware version

Step	Action
1.	<p>Press the RESET button on the QuadPort 2's Main Board.</p>  <p>Result: The Tera Term bootup banner displays, stating the current firmware version for the Main Board.</p> <p>Example:</p> <pre> File Edit Setup Control Window Help ----- FW Target : OP2/RP2 Version : 2.2.0 Release 1 Date : 28-Apr-2023 04:33 HW Detect : QuadPort v2 </pre>

1.3 Apply the upgrade

Step	Action								
1.	<p>Proceed as follows:</p> <table border="1"> <thead> <tr> <th>If the current firmware version is</th> <th>Then go to</th> </tr> </thead> <tbody> <tr> <td>v2.1.2 or lower</td> <td>Section 1.3.1: Apply an upgrade using the JTAG technique.</td> </tr> <tr> <td>v2.1.3 to v2.1.11</td> <td>Section 1.3.2: Apply an upgrade using the serial Command-Line Interface (CLI) technique.</td> </tr> <tr> <td>v2.2.0 or greater</td> <td>Section 1.3.3: Apply an upgrade using the XMODEM during bootup technique.</td> </tr> </tbody> </table>	If the current firmware version is	Then go to	v2.1.2 or lower	Section 1.3.1: Apply an upgrade using the JTAG technique.	v2.1.3 to v2.1.11	Section 1.3.2: Apply an upgrade using the serial Command-Line Interface (CLI) technique.	v2.2.0 or greater	Section 1.3.3: Apply an upgrade using the XMODEM during bootup technique.
If the current firmware version is	Then go to								
v2.1.2 or lower	Section 1.3.1: Apply an upgrade using the JTAG technique.								
v2.1.3 to v2.1.11	Section 1.3.2: Apply an upgrade using the serial Command-Line Interface (CLI) technique.								
v2.2.0 or greater	Section 1.3.3: Apply an upgrade using the XMODEM during bootup technique.								

1.3.1 How to apply an upgrade to the Main Board using the JTAG technique

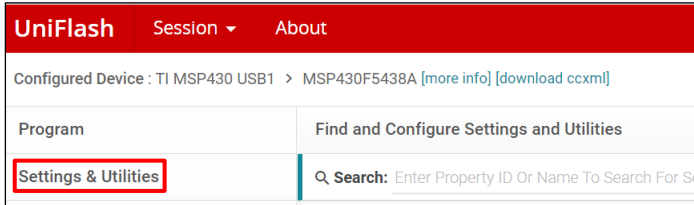
Step	Action
1.	<p>Download the latest Main Board upgrade file. To do this:</p> <ol style="list-style-type: none"> Copy and paste the following link into an internet browser: https://products.rfi.com.au/en-au/digital-drift-industrial Scroll down to locate and click on, the Software tab.  <ol style="list-style-type: none"> Select the latest QuadPort 2 upgrade file.  <ol style="list-style-type: none"> Follow the prompts to download and save the upgrade file. Note: The file will be named: QP2_<version>_prod_jtag.txt Example: QP2_2.2.0_prod_jtag.txt 
2.	<p>Open TI UniFlash on the PC/laptop. Note: See section Before you Begin: Software Required for instructions on how to install.</p>
3.	<p>Configure TI UniFlash. To do this:</p> <ol style="list-style-type: none"> Connect the TI JTAG programmer's USB port to the PC/laptop. Connect the TI JTAG programmer's 14-way connector to the black rectangular boxed connector in the top right area of the Main Board.   <ol style="list-style-type: none"> Ensure the Main Board is on. Start TI Uniflash on the PC/laptop. From the Detected Devices section, click Detect. <p>Note: Start may display instead of Detect. In this case, click Start.</p> 



Step	Action
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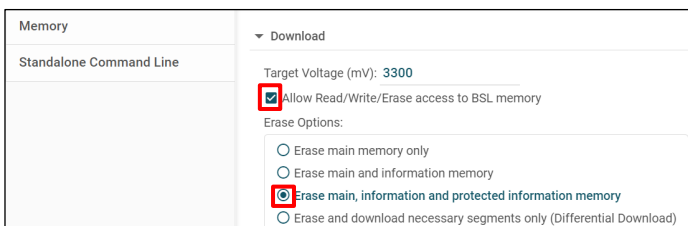
4. Update the default settings. To do this:

a. Click the **Settings & Utilities** menu option.

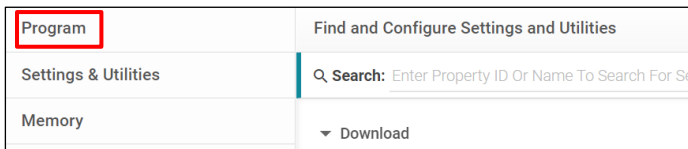


b. Click the following:

- **Allow Read/Write access to BSL memory**
- **Erase main, information and protected information memory.**



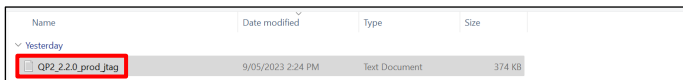
c. Click the **Program** menu option to return to the main programming screen.



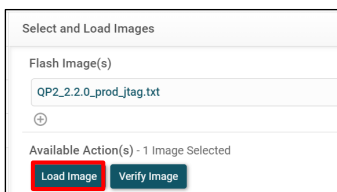
d. Click **Browse**



e. Navigate to and select, the upgrade file (QP2_x.x.x_prod_jtag.txt file) downloaded in step 1 and click **Open**.

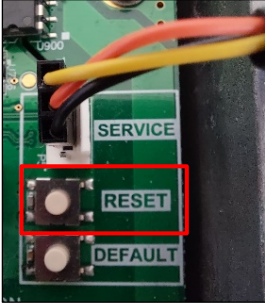


f. Click **Load Image**.


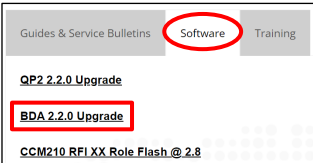
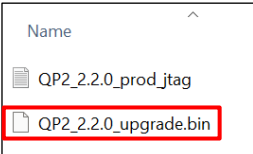
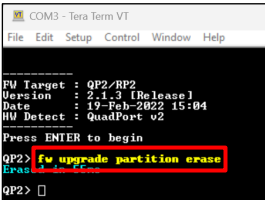
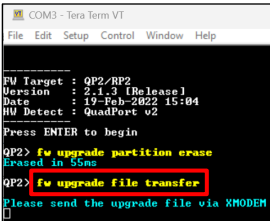


Note: If a dialog box pops up with a warning about the version of firmware in the JTAG programmer, select the option to **upgrade the firmware** in the JTAG programmer to avoid this dialog box from popping up each time a JTAG file is programmed.



Step	Action
5.	<p>Verify the upgrade was successfully programmed. To do this:</p> <ol style="list-style-type: none"> Wait for the firmware to be completely and successfully uploaded. <div data-bbox="279 383 727 472" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Console</p> <p>[5/24/2023, 12:01:09 PM] [INFO] MSP430: There were 120602 bytes written.</p> <p>[5/24/2023, 12:01:09 PM] [SUCCESS] Program Load completed successfully</p> </div> <ol style="list-style-type: none"> Remove the JTAG programmer from the device's 14-way black rectangular boxed connector. Press the RESET button on the QuadPort 2's Main Board. <div data-bbox="279 591 545 893" style="border: 1px solid black; padding: 5px; margin: 10px 0;">  </div> <p>Result: In the Tera Term session, the upgraded firmware version displays in the bootup banner.</p>
6.	<p>Disconnect the USB to TTL serial cable and JTAG programmer from the QuadPort 2.</p>
7.	<p>Go to <u>section 2: to upgrade the networking board</u>.</p>

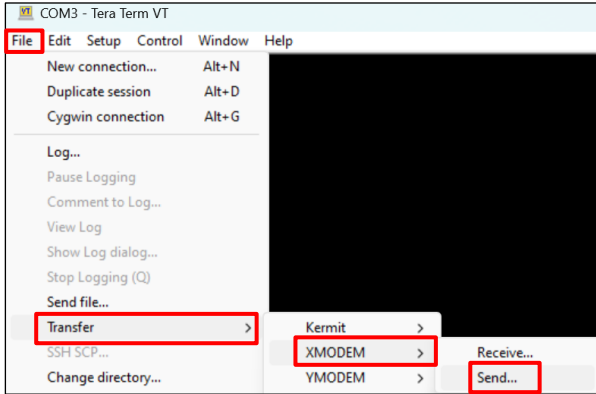
1.3.2 How to apply an upgrade the Main Board using the serial Command-Line Interface (CLI)

Step	Action
1.	<p>Download the latest Main Board upgrade file. To do this:</p> <ol style="list-style-type: none"> Copy and paste the following link into an internet browser: https://products.rfi.com.au/en-au/digital-drift-industrial Scroll down to locate and click on, the Software tab.  Select the latest QuadPort 2 upgrade file.  Follow the prompts to download and save the upgrade file. Note: The file will be named: QP2_<version>_upgrade.bin Example: <i>QP2_2.2.0_upgrade.bin</i> 
2.	<p>Press Enter, type the command fw upgrade partition erase and press Enter.</p>  <p>Note: This command erases the temporary flash storage area used to hold firmware upgrades.</p>
3.	<p>Type the command fw upgrade file transfer and press Enter.</p> 

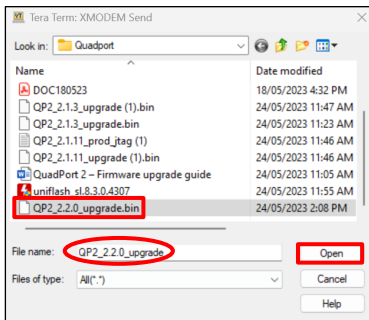


Step | Action

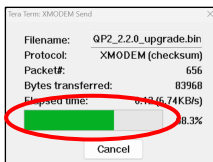
4.
 - a. Click **File**.
 - b. Select **Transfer** from the drop-down menu.
 - c. Select **XMODEM** from the drop-down menu.
 - d. Select **Send...**



- e. Select the upgrade file downloaded/saved in step 1 and click **Open**.

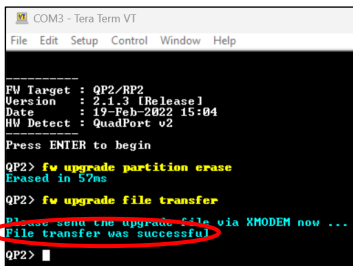


Result: A green download bar displays, while the file transfers.

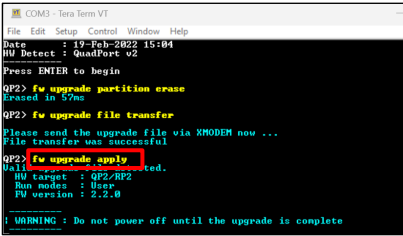
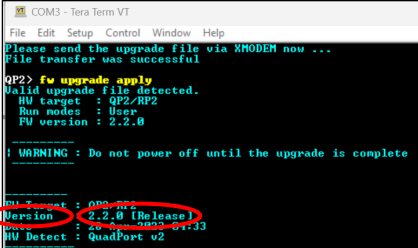


- f. Wait for the file to be transferred to the QuadPort 2.


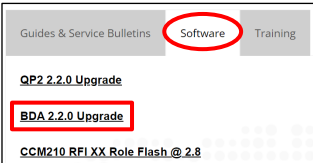
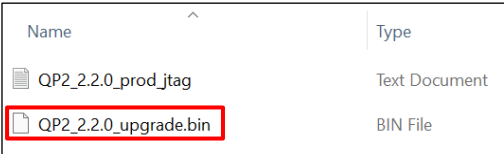

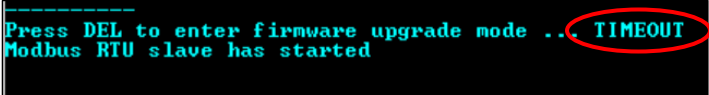
Note: At the conclusion of the file transfer, the message **File transfer was successful** displays. If an error has been encountered, go back to step 2.



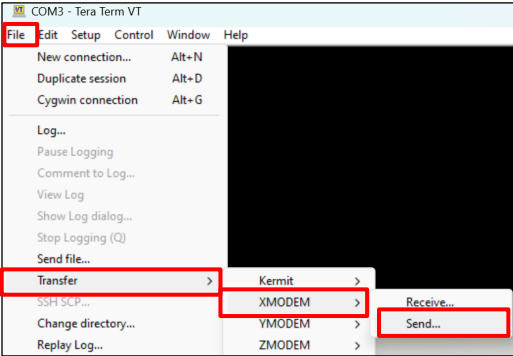
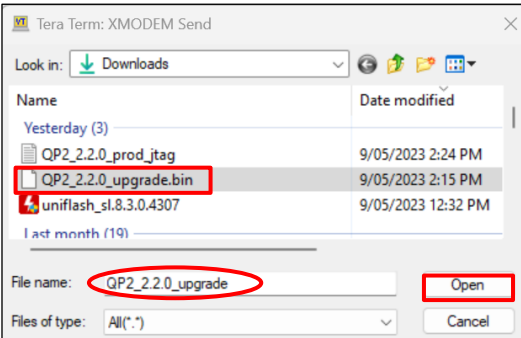
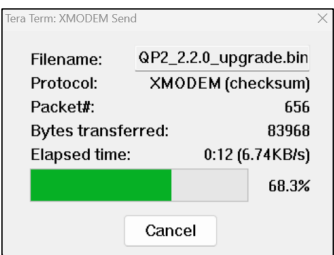


Step	Action
5.	<p>Type the command fw upgrade apply and press Enter.</p>  <p>Important Do not turn off the QuadPort 2 or the Tera Term App until the upgrade is complete</p> <p>Result: When the upgrade is complete, the Main Board restarts and the bootup banner displays the upgraded firmware version.</p> <p>Example: New version 2.2.0 displays in bootup banner in the screenshot below.</p> 
6.	Disconnect the USB to TTL serial cable from the QuadPort 2 .
7.	Go to <u>section 2</u> : to upgrade the networking board.

1.3.3 How to apply an upgrade to the Main Board using the XMODEM during bootup technique

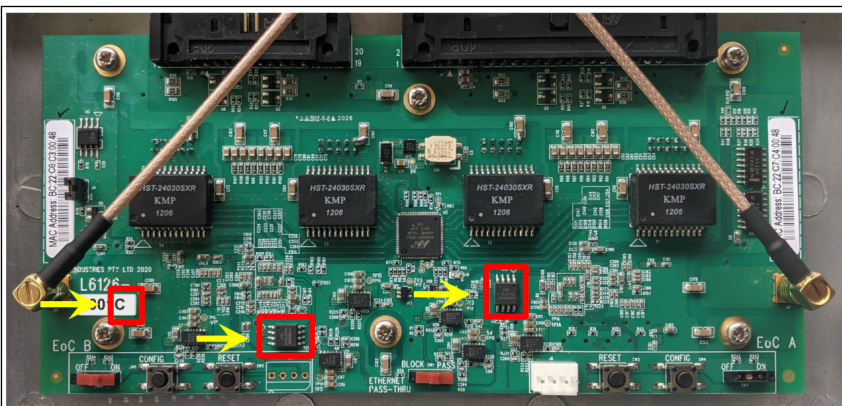
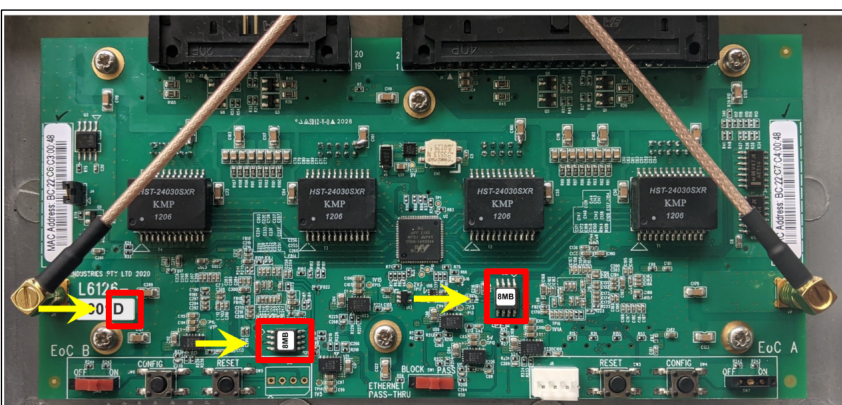
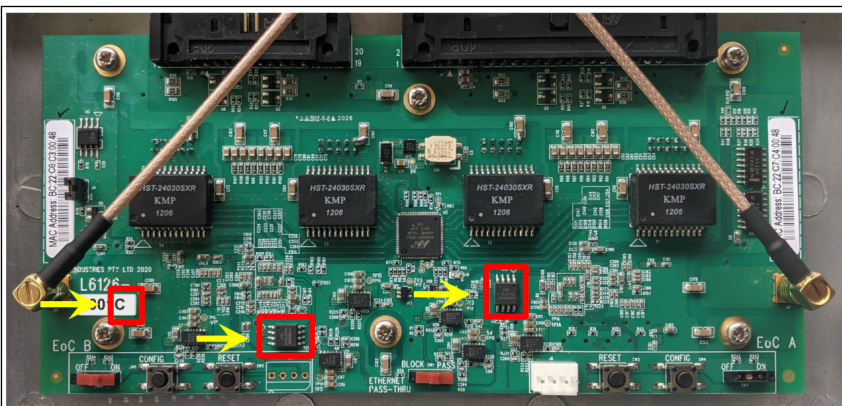
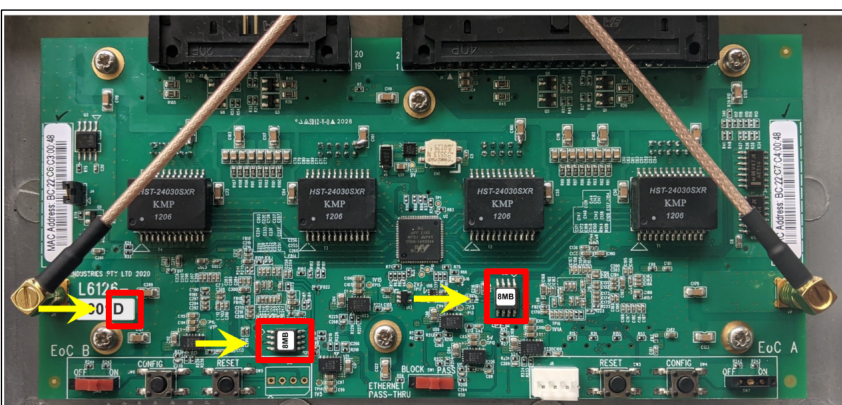
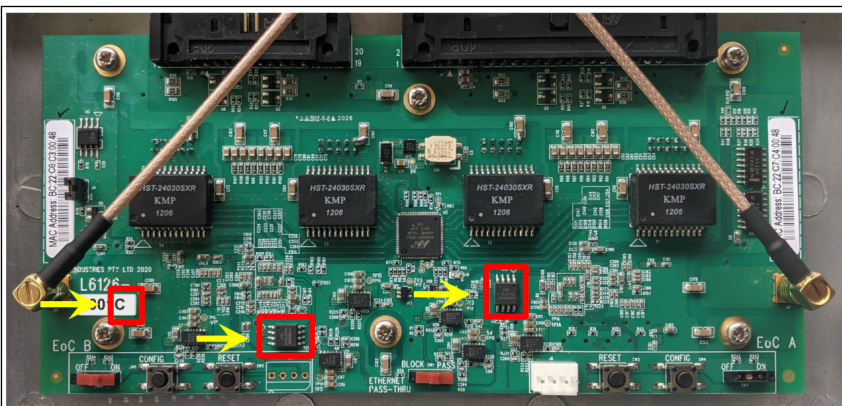
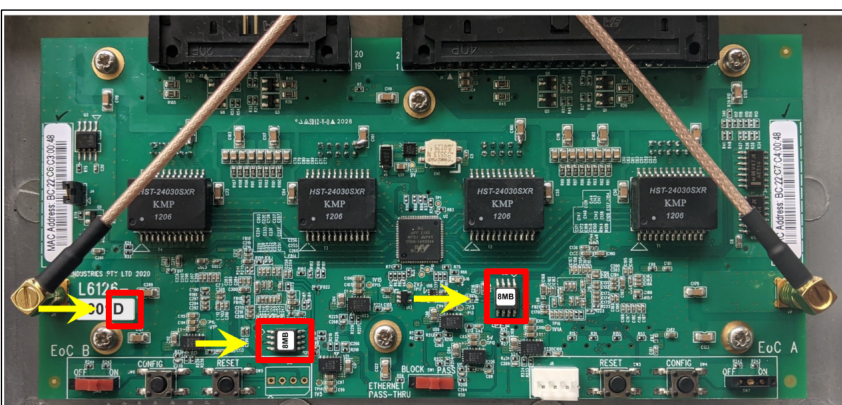
Step	Action
1.	<p>Download the latest Main Board upgrade file. To do this:</p> <ol style="list-style-type: none"> Copy and paste the following link into an internet browser: https://products.rfi.com.au/en-au/digital-drift-industrial Scroll down to locate and click on, the Software tab.  <ol style="list-style-type: none"> Select the latest QuadPort 2 upgrade file.  <ol style="list-style-type: none"> Follow the prompts to download and save the upgrade file. Note: The file will be named: QP2_<version>_upgrade.bin Example: <i>QP2_2.2.0_upgrade.bin</i> 
2.	<p>Press and release the RESET button on the Main Board.</p>  <p>Result: The boot banner prints.</p>
3.	<p>Press the DEL key within 3 seconds of the prompt to enter firmware upgrade mode appears.</p> <p>Note: If a TIMEOUT message displays in Tera Term:</p>  <ol style="list-style-type: none"> Press the RESET button on the Main Board again. Press the DEL key within 3 seconds of the prompt appearing.



Step	Action
4.	<p>a. In Tera Term, perform the following:</p> <ul style="list-style-type: none"> ▪ Click File. ▪ Select Transfer from the drop-down menu. ▪ Select XMODEM from the drop-down menu. ▪ Select Send...  <p>b. Select the upgrade file downloaded/saved in step 1 and click Open.</p> <p>Example:</p>  <p>Result: A green download bar displays, while the upgrade file transfers.</p> 
5.	<p>Wait for the file to be transferred to the QuadPort 2.</p> <p>Note: At the conclusion of the file transfer, the message File transfer was successful displays. If an error has been encountered, go back to step 2.</p> <p>Result: If the file transfer was successful, the new firmware applies immediately, the Main Board restarts and the bootup banner displays the upgraded firmware version.</p> <div style="background-color: red; color: white; padding: 5px; text-align: center;"> Important Do not turn off the QuadPort 2 or the Tera Term App until the upgrade is complete </div>
6.	<p>Disconnect the USB to TTL serial cable from the QuadPort 2.</p>
7.	<p>Go to <u>section 2: to upgrade the networking board</u>.</p>


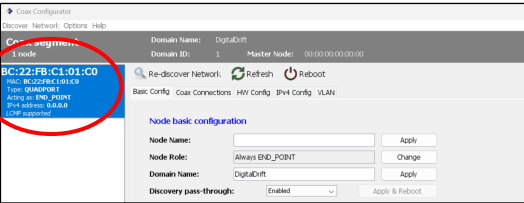
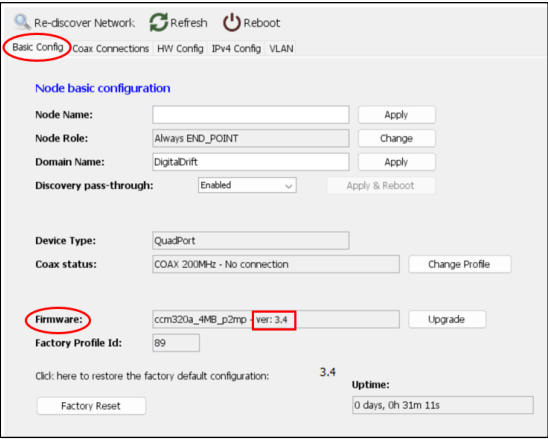
2. Upgrade the Networking Board Firmware

2.1 Determine the flash size

Step	Action						
1.	<p>Locate the networking board, in the lid of the QuadPort 2 and visually check the following: Note: Knowing whether the hardware is 4MB or 8MB is required in the next steps below.</p> <table border="1" data-bbox="231 504 1428 1556"> <thead> <tr> <th data-bbox="231 504 1157 560">If the hardware version is</th> <th data-bbox="1157 504 1428 560">Then the current</th> </tr> </thead> <tbody> <tr> <td data-bbox="231 560 1157 1052"> <ul style="list-style-type: none"> Labelled as C; and The flash chips are unlabelled  </td> <td data-bbox="1157 560 1428 1052">Hardware is 4MB</td> </tr> <tr> <td data-bbox="231 1052 1157 1556"> <ul style="list-style-type: none"> Labelled as D or E; and The flash chips are labelled as 8MB  </td> <td data-bbox="1157 1052 1428 1556">Hardware is 8MB</td> </tr> </tbody> </table>	If the hardware version is	Then the current	<ul style="list-style-type: none"> Labelled as C; and The flash chips are unlabelled 	Hardware is 4MB	<ul style="list-style-type: none"> Labelled as D or E; and The flash chips are labelled as 8MB 	Hardware is 8MB
If the hardware version is	Then the current						
<ul style="list-style-type: none"> Labelled as C; and The flash chips are unlabelled 	Hardware is 4MB						
<ul style="list-style-type: none"> Labelled as D or E; and The flash chips are labelled as 8MB 	Hardware is 8MB						
2.	Close the QuadPort 2.						

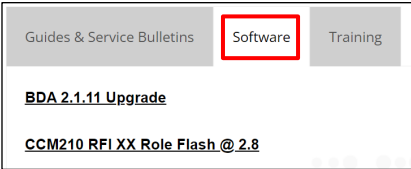
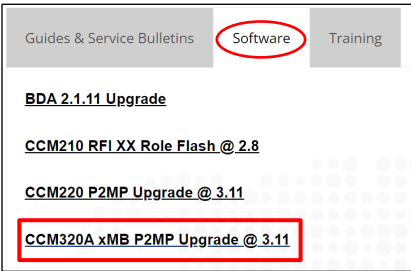
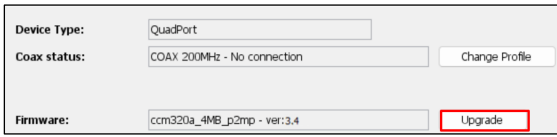
2.2 Determine the current firmware version

Note: WinPCap must be installed on your PC/laptop to perform these steps. See [section: Before you Begin: Software Required](#) for instructions on how to install.

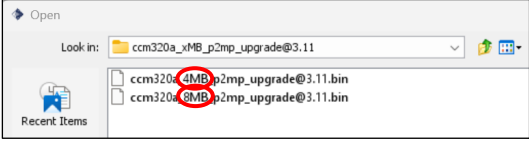
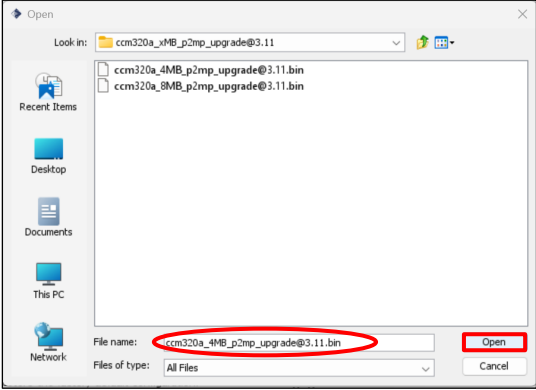
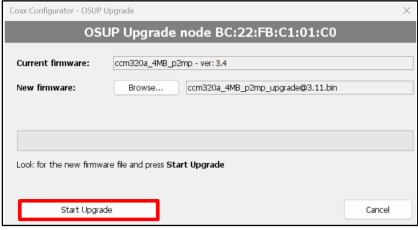
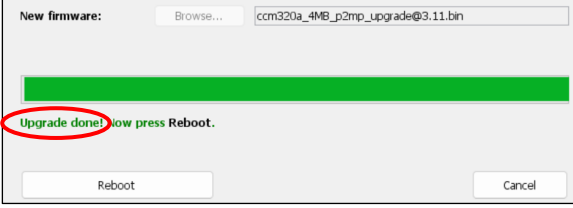
Step	Action
1.	<p>Connect the ethernet cable from the QuadPort 2 to the PC/laptop.</p> <p>Note: The ethernet cable can connect into any port. The image below is an example only.</p> 
2.	<p>Open the Digital Drift Coax Configurator application on the PC/laptop.</p> <p>Note:</p> <ul style="list-style-type: none"> See section Before you Begin: Software Required for instructions on how to install Digital Drift Coax Configurator. WinPCap is required to run Digital Drift Coax Configurator. See section Before you Begin: Software Required for instructions on how to install. <p>Result: The Digital Drift Coax Configurator application detects the QuadPort 2 and displays the unit information on the left hand side of the screen.</p> 
3.	<p>Navigate to the Basic Config tab (if not already there) and note the current Firmware version that display in the Firmware field.</p>  <p>Note: In the example above, the firmware version is 3.4.</p>



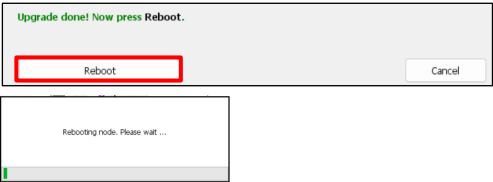
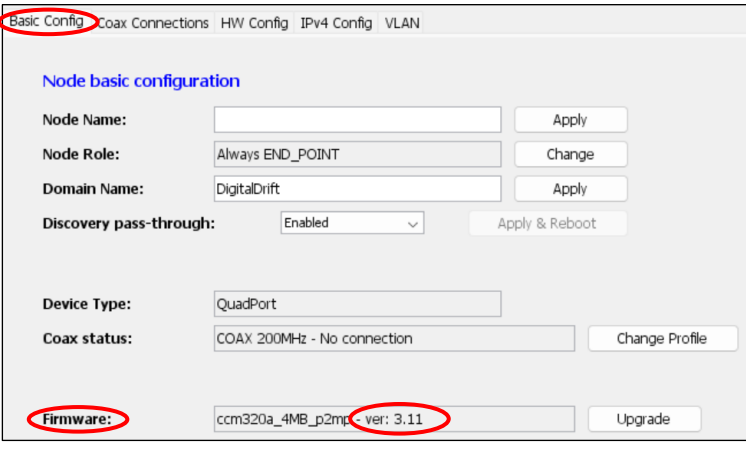
2.3 Apply the Upgrade

Step	Action
1.	<p>Download the latest upgrade file. To do this:</p> <ol style="list-style-type: none"> Copy and paste the following link into an internet browser: https://products.rfi.com.au/en-au/digital-drift-industrial Scroll down to locate, and click on the Software tab. <div data-bbox="279 528 692 696" data-label="Image">  </div> Select the latest upgrade files for the CCM320A hardware platform. <div data-bbox="279 763 692 1032" data-label="Image">  </div> Follow the prompts to download and save the file. Unzip the downloaded archive, which extracts the 4MB and 8MB firmware upgrade files.
2.	<p>Click Upgrade in the Coax Configurator, after selecting the target device.</p> <div data-bbox="229 1211 788 1346" data-label="Image">  </div> <p>Result: The Coax Configurator – OSUP Upgrade dialog box displays.</p>
3.	<p>From the New firmware field, click Browse.</p>



Step	Action
4.	<p>Navigate to the relevant upgrade file extracted in step 1 e. and select the upgrade file that matches the QuadPort 2's flash size (i.e. 4MB or 8MB).</p> <p>Note: The file names are:</p> <ul style="list-style-type: none"> CCM320a_4MB_p2mp_upgrade@<version>.bin CCM320a_8MB_p2mp_upgrade@<version>.bin 
5.	<p>Click Open.</p> 
6.	<p>Click Start Upgrade.</p>  <p>Result: If a compatible upgrade file was selected, the upgrade will commence.</p>
7.	<p>Wait for the percentage bar to reach 100% and an Upgrade done! message to display.</p> 



Step	Action
8.	<p>Click Reboot and wait for the Rebooting node. Please wait... dialog box to close.</p>  <p>Result: The new firmware version displays under the Basic Config tab, in the Firmware field.</p> <p>Example:</p> 
9.	Close Digital Drift Coax Configurator .
10.	<p>Disconnect the ethernet cable from the QuadPort 2.</p> <p>The firmware upgrade is complete.</p>