

Engineering Note: EN0122 Upgrading the Firmware on an EA01

Summary: Procedure for upgrading the Ethernet Adapter firmware to the latest version

Products affected: Ethernet Adaptor (EA01)

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Summary

This document describes the process for upgrading the firmware of the Lantronix XPort-Direct+ Serial-to-Ethernet module used in the Hydronix Ethernet Adapter (EA01). This can be achieved using the Lantronix DeviceInstaller software and a firmware file provided by Hydronix Support or downloaded via the hyperlink in the *Equipment Required* section below.

Equipment Required

- Windows PC
- Lantronix DeviceInstaller software, and the latest firmware for Lantronix XPort-Direct+ Module are available to download here:

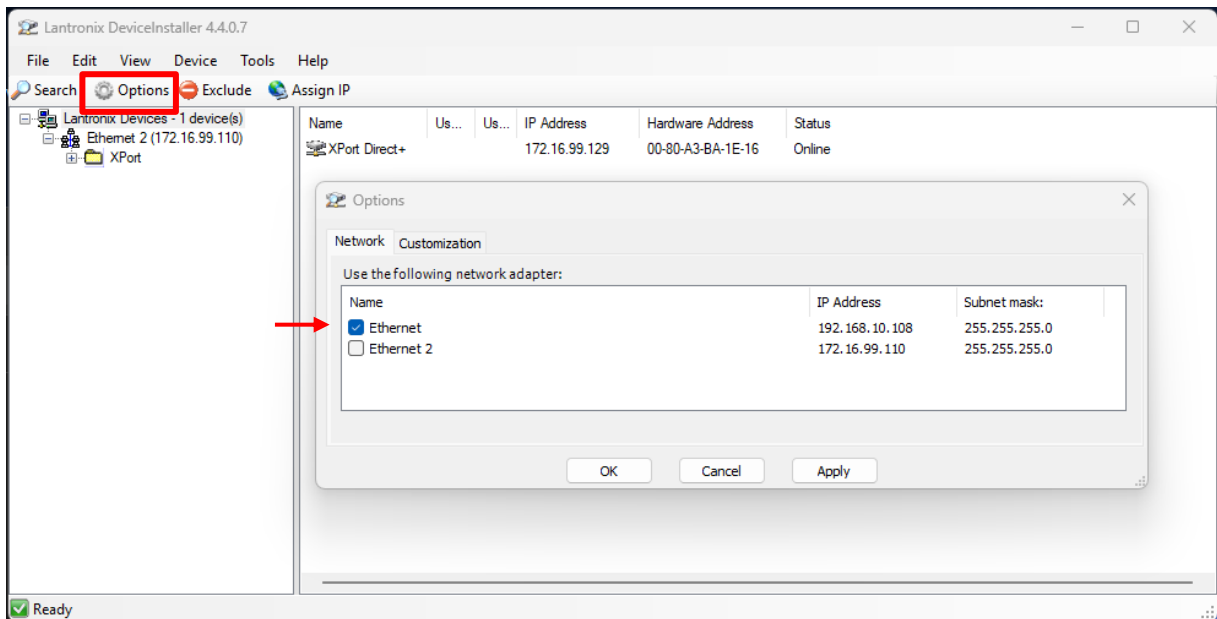
<https://www.hydronix.com/product-downloads/?dsub=ea01-lantronix-configuration-software>

- Ethernet Cable
- 24VDC Power Supply
- 3mm Flat Blade Screwdriver

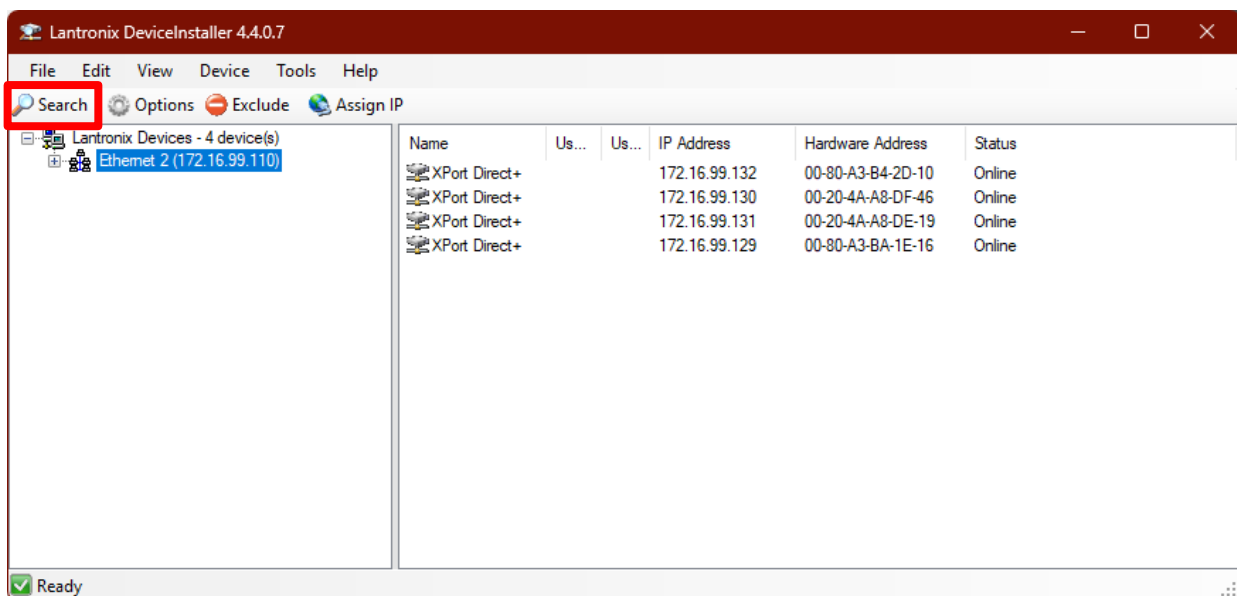
Upgrading the Firmware

1. Connect 24V DC to the Ethernet Adapter.
Pin 1: +24V
Pin 2: 0V
2. Ensure that the PC is connected to the same network as the Ethernet Adapter
3. Launch Lantronix DeviceInstaller

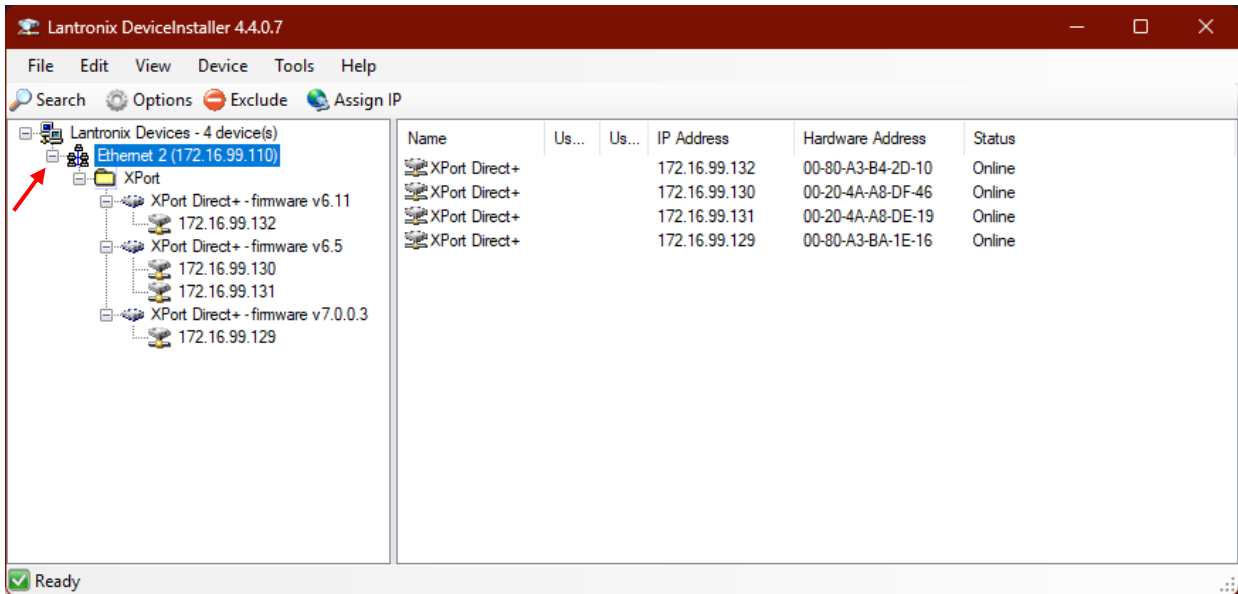
- If the PC has more than one network connection, click on the “Options” button in the top Menu bar and in the Network tab of the dialogue, check that the correct ethernet port for the EA01 network is selected.



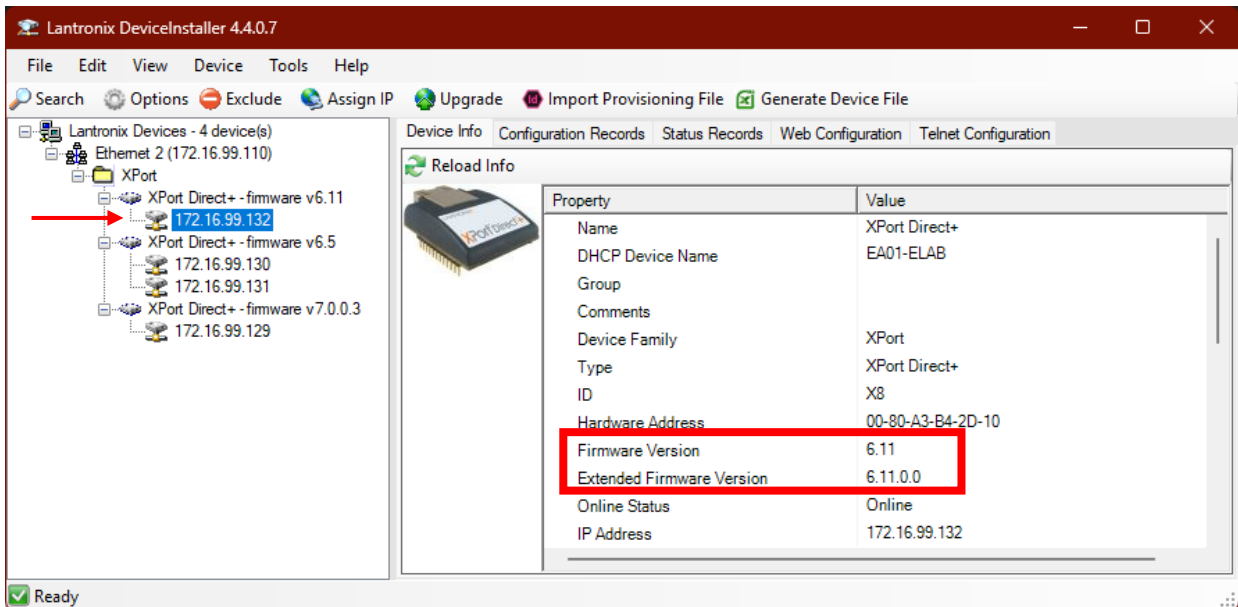
- Click on the “Search” button on the Menu Bar. DeviceInstaller will find all the Adapters on the network.



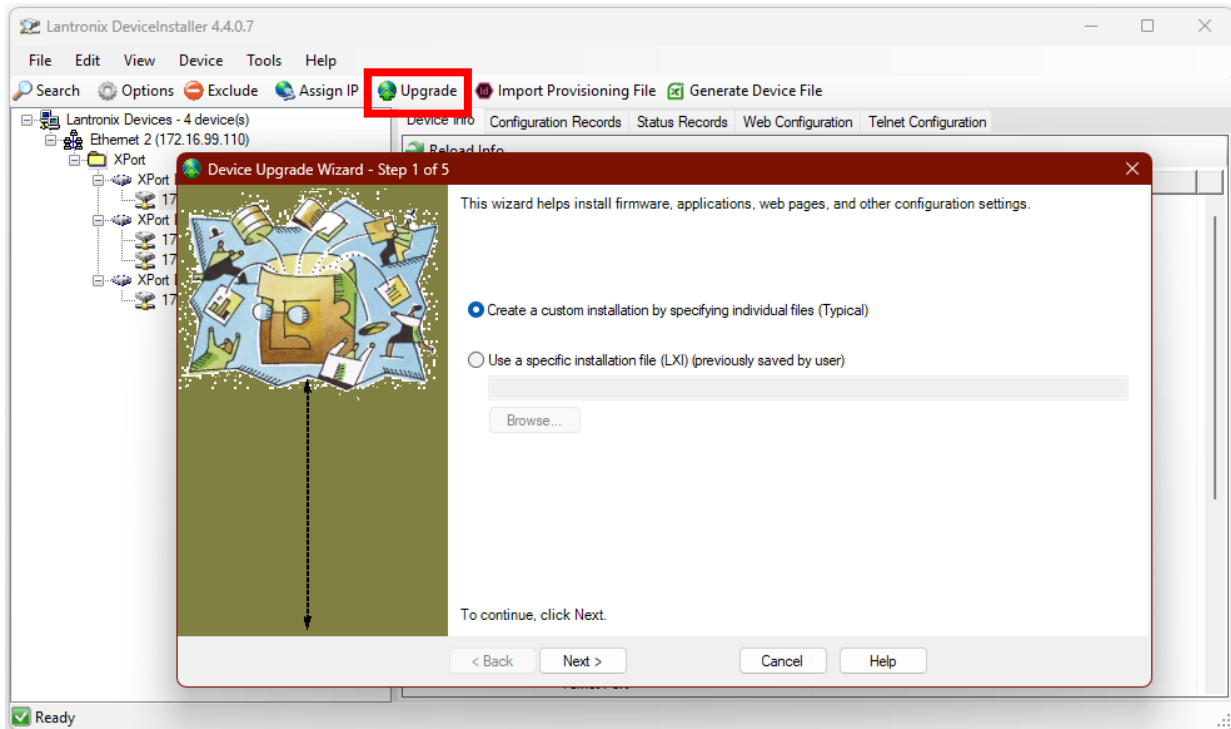
- Click on the little “+” symbol next to each item in on the left-hand navigation pane to expand each item. This will now display a list of the Adapters IP addresses, grouped by their firmware version.



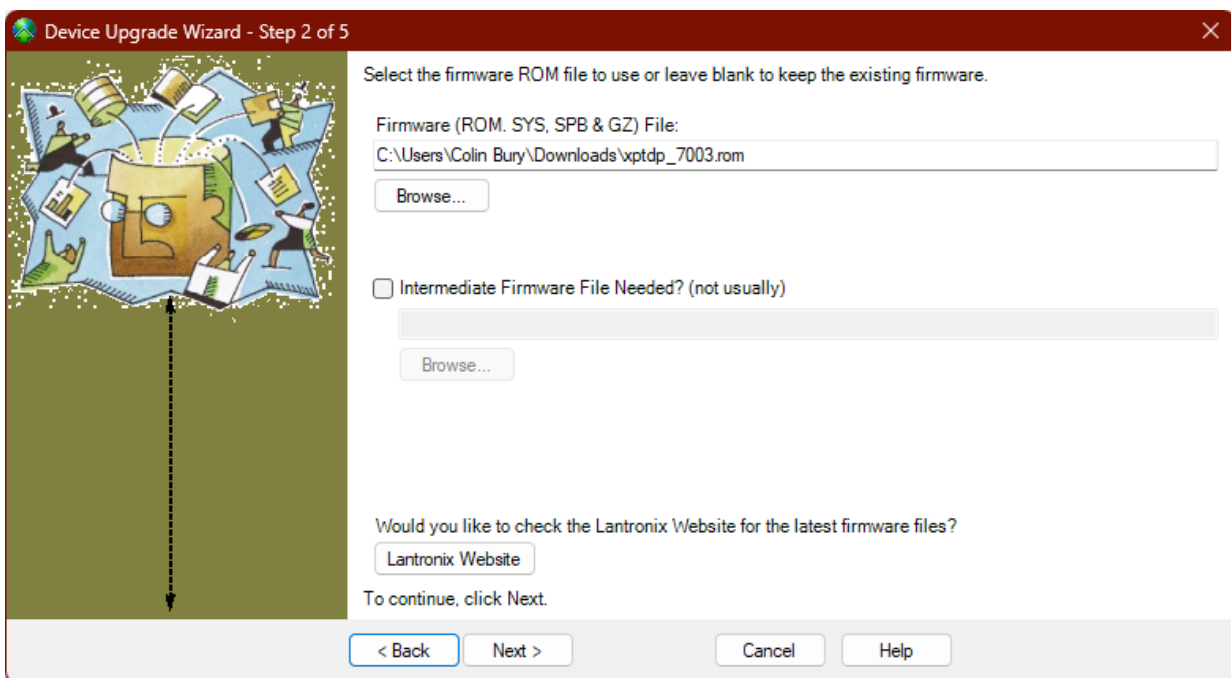
- Click on the IP address of the adaptor whose firmware is to be upgraded. In the right-hand pane, the full version number of the current install can be seen.



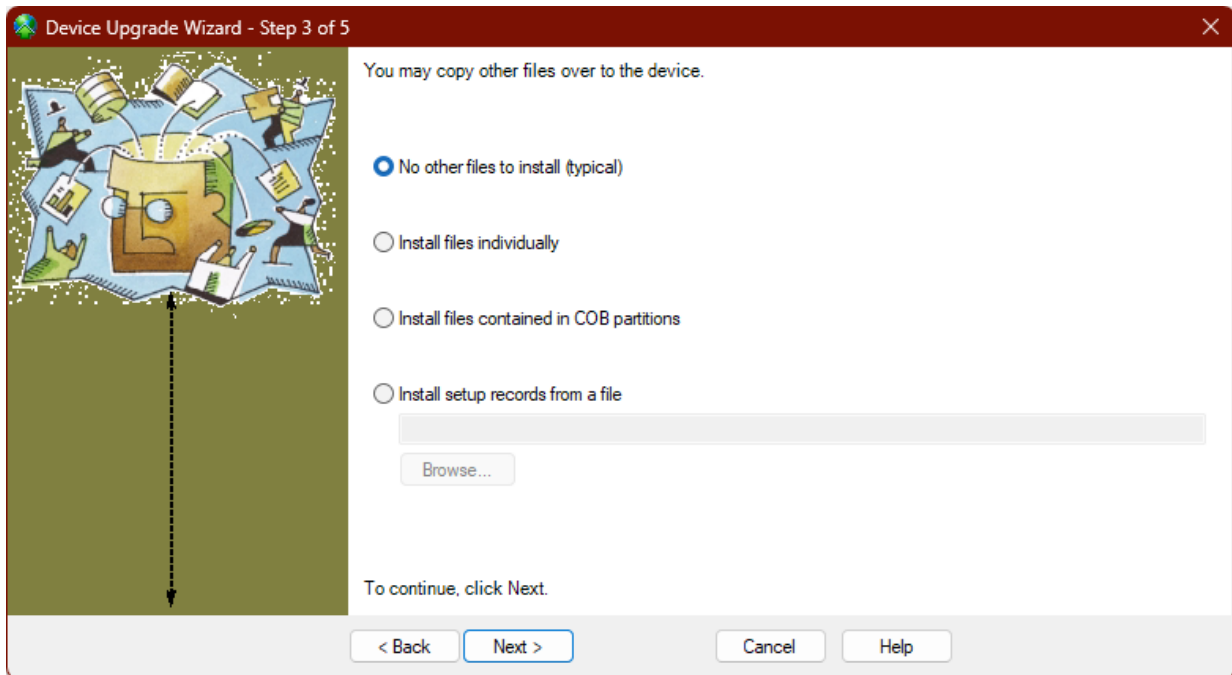
8. Click on “Upgrade” on the Menu Bar. In the window that pops up select “Create a custom installation by specifying individual files (Typical)” and then click “Next”.



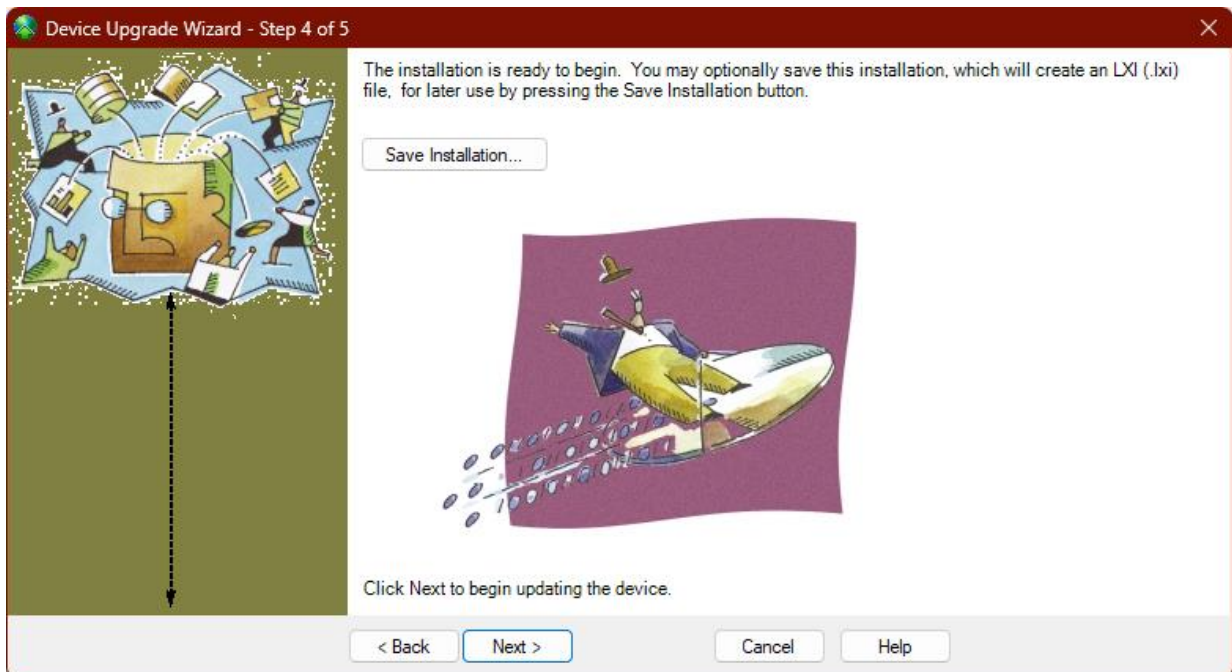
9. On the next screen, click on “Browse” and select the previously downloaded firmware file (xptdp_xxxx.rom), then click “Next”.



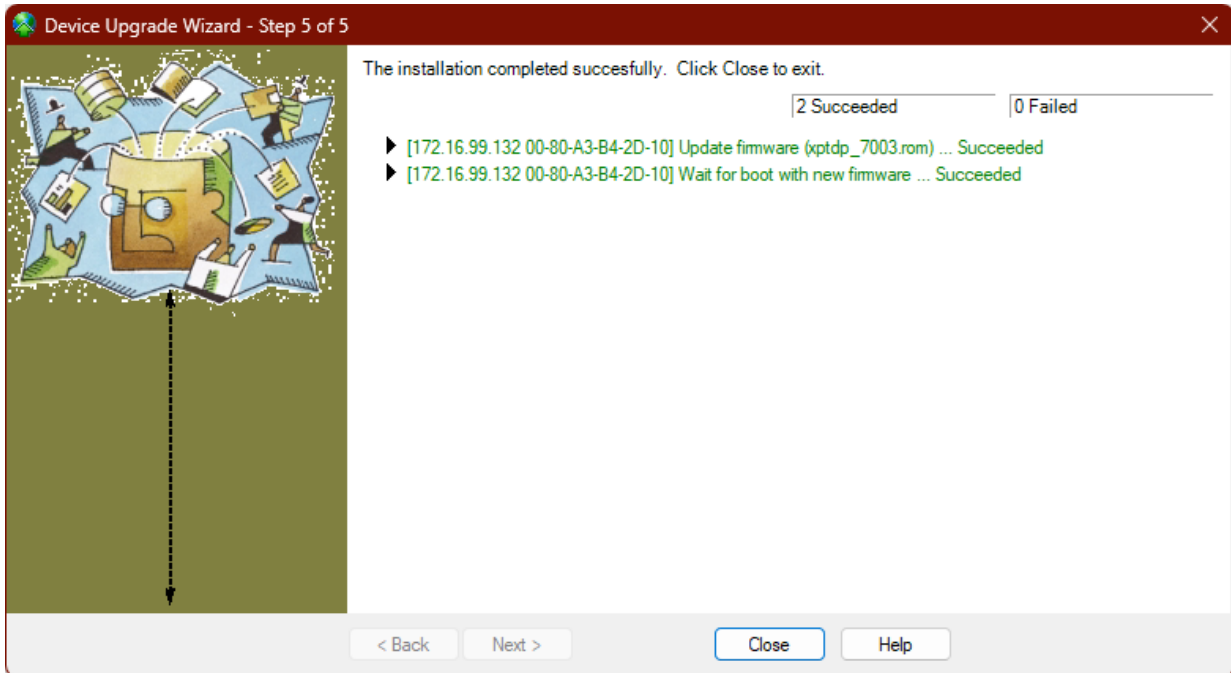
10. On the next screen select “No other files to install (typical)” and then click “Next”



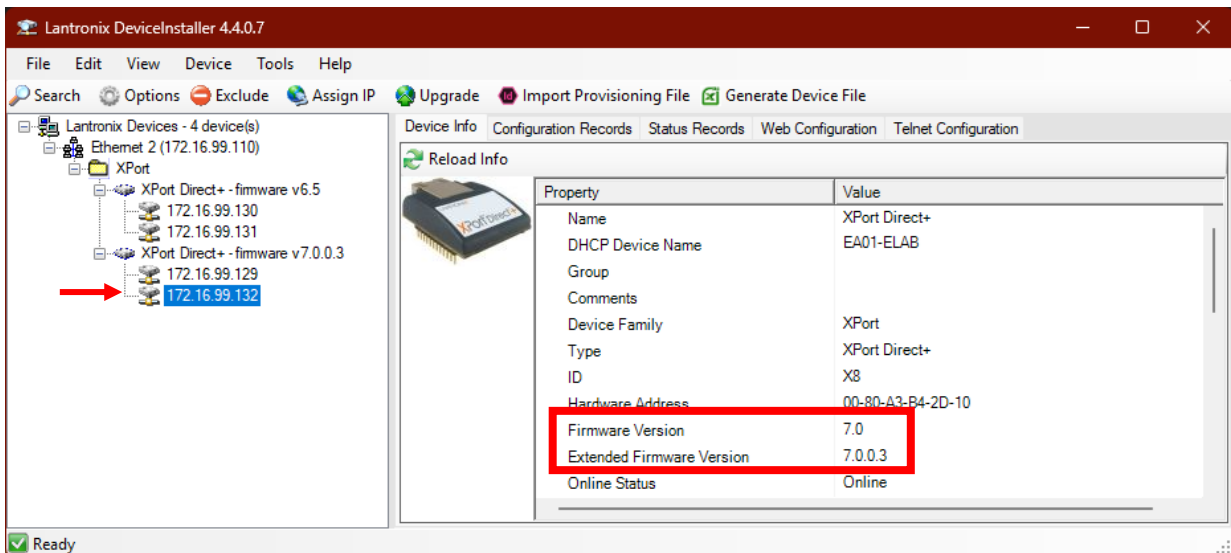
11. Click on “Next” to begin the upgrade.



12. When the upgrade process has completed, click on “Close”.



13. The Ethernet Adapter firmware has now been upgraded. The new firmware version can be checked in the right-hand pane.



If any further information or assistance is required regarding this procedure, please contact support@hydronix.com