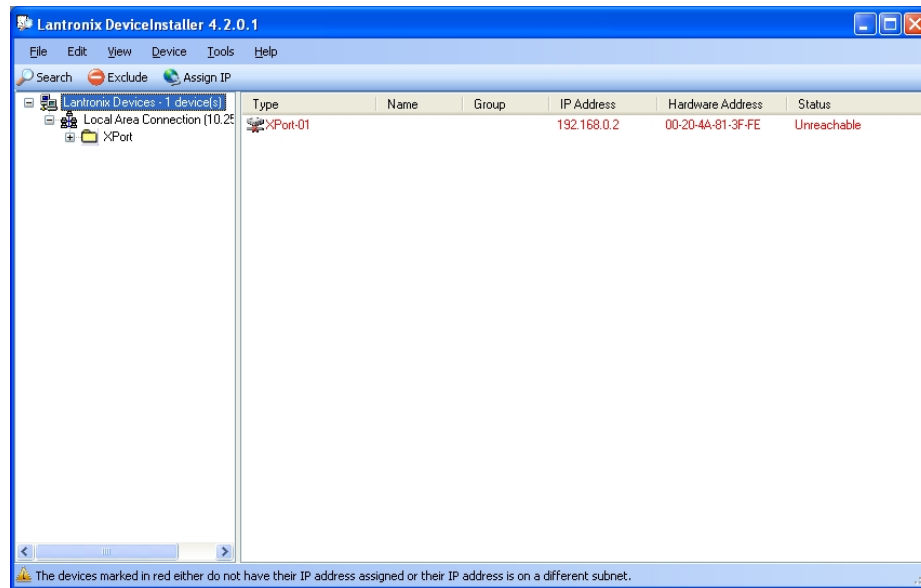


DeviceInstaller



EN | Installation Guide
Network Device
Installation Software



BOSCH

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1.0 Introduction

The C900V2, DX4020, D9133TTL-E, and the C900TTL-E are Network Interface Modules (NIMs) that either convert or intercept digital data into network data with the use of a network interface module by Lantronix Inc. The D6680, D6682, and D6100i Network Adapters are also devices produced by Lantronix Inc. As new features are added to these modules, the firmware might need updating. To update these modules, use the DeviceInstaller software.



Pay attention to which hardware revision you are attempting to upgrade. Each revision of hardware requires specific software.

If the wrong software is loaded, it causes an inoperable unit that must be sent back to Bosch Security Systems, Inc. for repair.



This application is used only to upgrade firmware files to the network interface modules.

All other functions of this application are not supported by Bosch Security Systems, Inc.

2.0 DeviceInstaller Overview

2.1 Device Compatibility

This utility upgrades the following Conettix products:

- C900TTL-E Dialer Capture Module
- C900V2 Dialer Capture Ethernet Module
- D6100i Communications Receiver/Gateway
- D6680 Ethernet Network Adapter
- D6682 Ethernet Network Adapter
- D9133TTL-E Serial Interface Module
- DX4020 Network Interface Module

2.2 Requirements

The following software is required to use the DeviceInstaller application:


- Supported operating systems:
 - Microsoft Windows 2000 with Service Pack 2 or later
 - Microsoft Windows Server 2003
 - Microsoft Windows XP
 - Microsoft Windows Vista
 - Microsoft Windows 7
- Microsoft Internet Explorer 5 or later
- Microsoft .NET Framework 2.0

3.0 Install the Software

Insert the D6200 CD-ROM into your CD-ROM drive. The D6200 CD-ROM directory should automatically open.

If the CD-ROM directory does not automatically open:

1. Select Start→Run...
2. At the prompt, type **X:**
("X" = the drive letter assigned to your CD-ROM drive).
3. Click **OK**.
The CD-ROM directory opens.



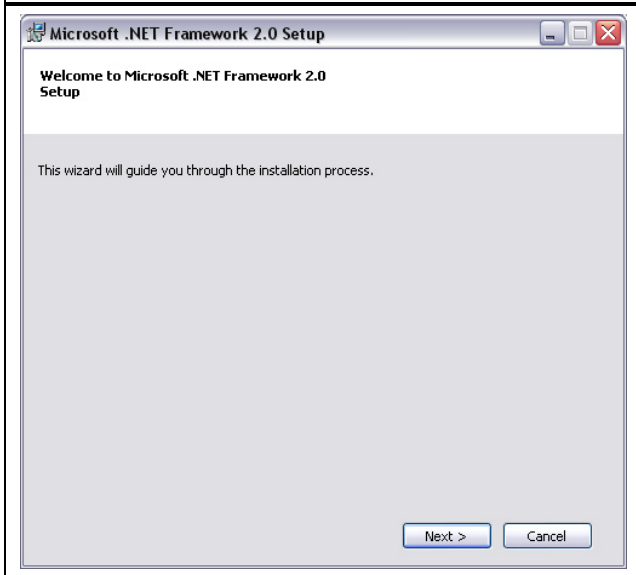
Microsoft .NET Framework 2.0 is not required for the Windows Vista operating systems.

If you are using the Windows Vista operating system, or if Microsoft .NET Framework 2.0 is already installed, go to *Section 3.2 Install DeviceInstaller*, page 5.

3.1 Install Microsoft .NET Framework 2.0

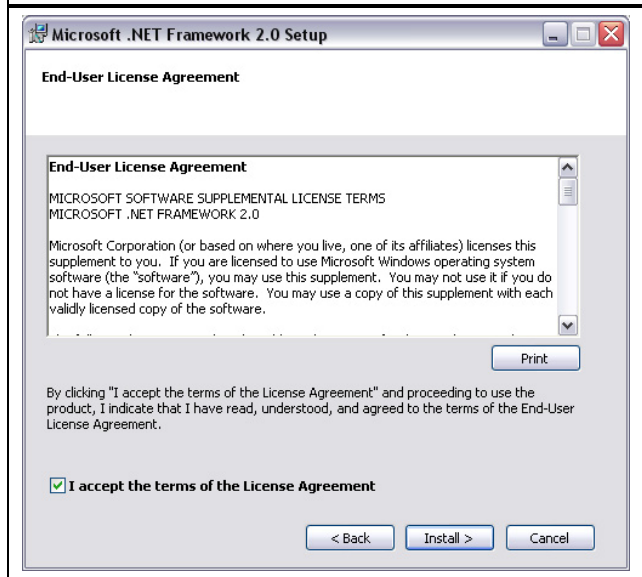
1. From the CD-ROM directory, select Network Interface Modules and Software→Device Installer.
2. Double-click the **dotnetfx.exe** file.
After the installation files are extracted, the .NET Framework 2.0 Setup Welcome window opens.

Figure 1: .NET Setup Welcome Window



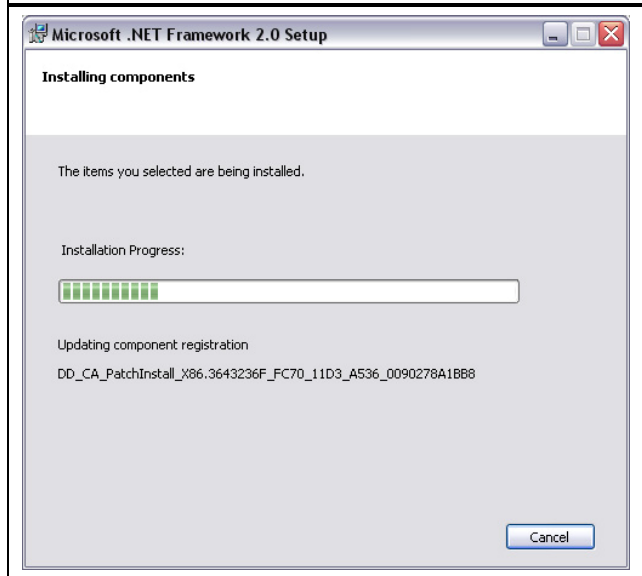
3. Click **Next**.
The End-User License Agreement window opens.

Figure 2: .NET End-User License Window



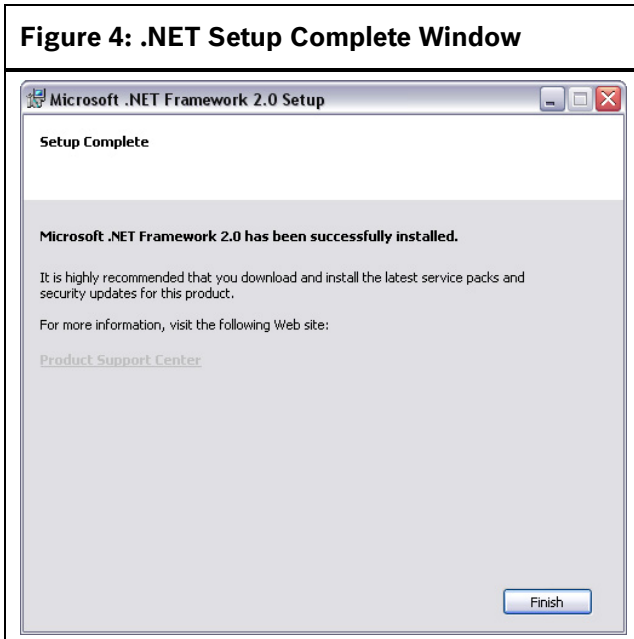
4. Select **I accept the terms of the License Agreement**, then click **Next**.
The .NET Installing Components window shows the installation progress.

Figure 3: .NET Installing Components Window



- When the Setup Complete window opens, click **Finish**.

Figure 4: .NET Setup Complete Window

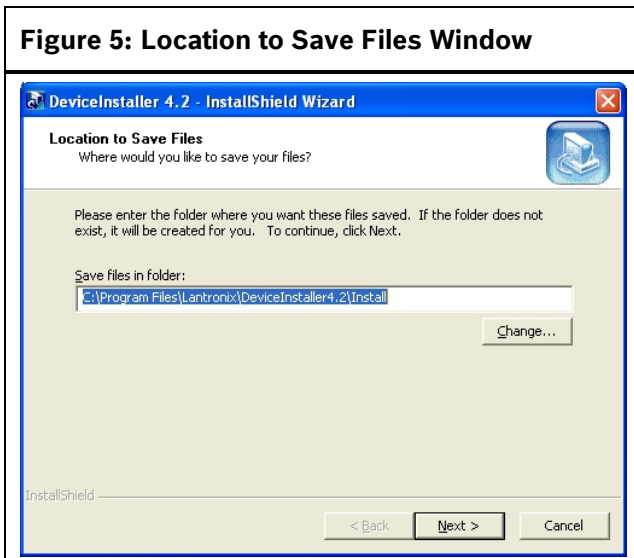


.NET Framework 2.0 is successfully installed.

3.2 Install DeviceInstaller

- From the CD-ROM directory, select **Network Interface Modules and Software**→**Device Installer**.
- Double-click the **Di32DL_x.x.x.x_Web.exe** file. The Location to Save Files window opens.

Figure 5: Location to Save Files Window



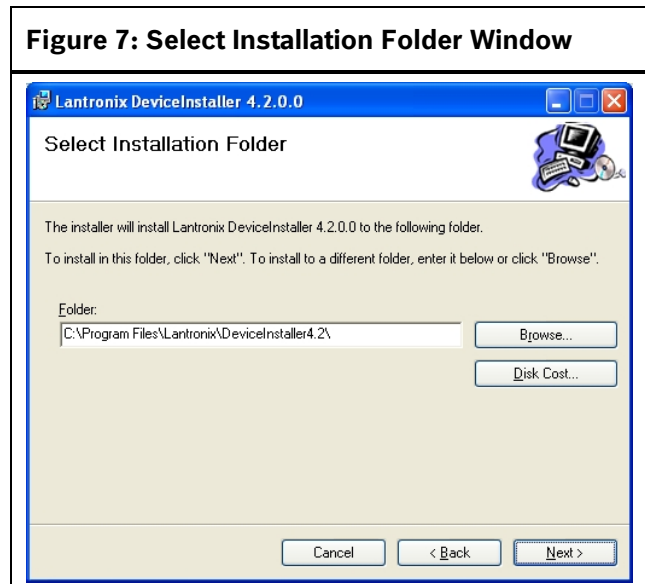
- Click **Next** to save the installation files in the default location. The Setup Wizard Welcome window opens.

Figure 6: Setup Wizard Welcome Window



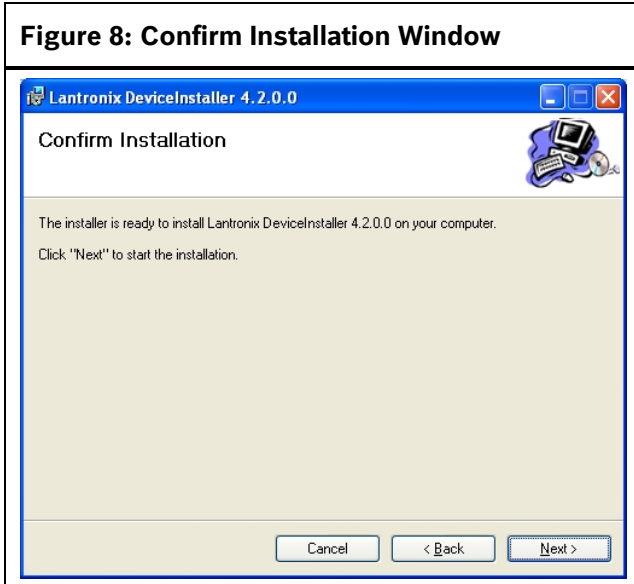
- Click **Next**. The Select Installation Folder window opens.

Figure 7: Select Installation Folder Window



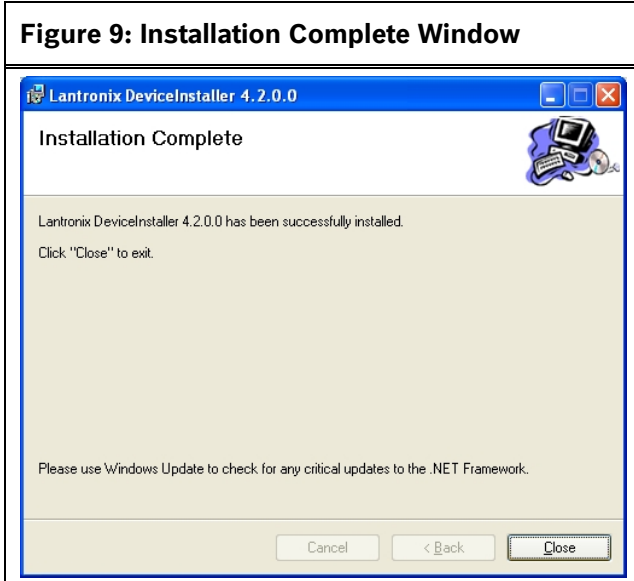
- Click **Next** to install DeviceInstaller in the default folder.
The Confirm Installation window opens.

Figure 8: Confirm Installation Window



- Click **Next**.
When the installation is completed, the Installation Complete window opens.

Figure 9: Installation Complete Window



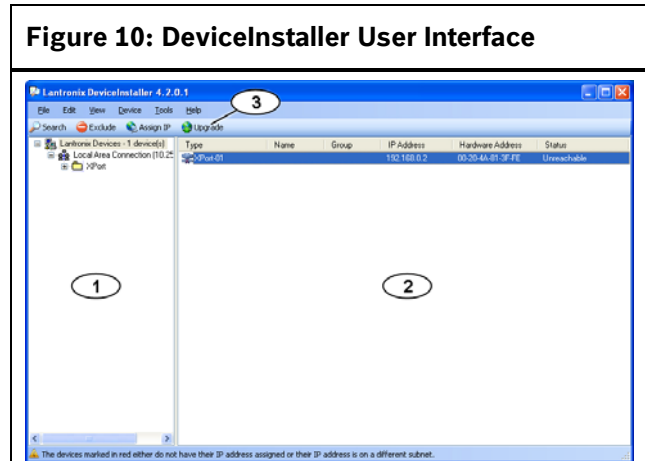
- Click **Close** to exit from the Setup Wizard.
DeviceInstaller is successfully installed.

4.0 Upgrade Device Firmware

4.1 Upgrading XPort-03/04 to v5.x.x.x Devices

- To start the DeviceInstaller application, select **Start→All Programs→Lantronix→DeviceInstaller 4.2→DeviceInstaller**.
When startup is complete, the DeviceInstaller application queries the network for all installed Lantronix devices.
- Select the device to upgrade from either the tree pane on the left side of the application (expand the node and select the device with the IP address), or the device pane on the right side.
The **Upgrade** button appears in the toolbar when a device is selected.

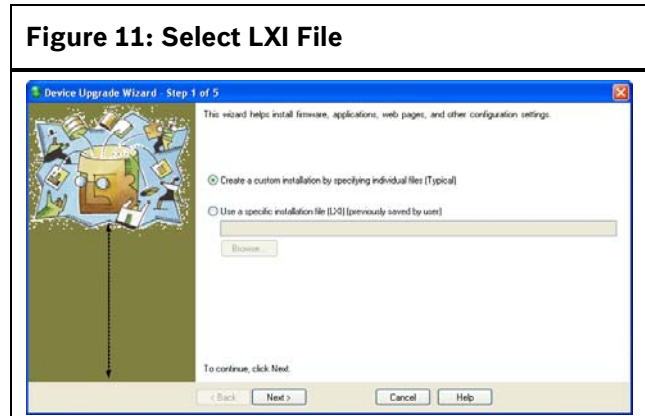
Figure 10: DeviceInstaller User Interface



- Tree pane
- Device pane
- Upgrade button

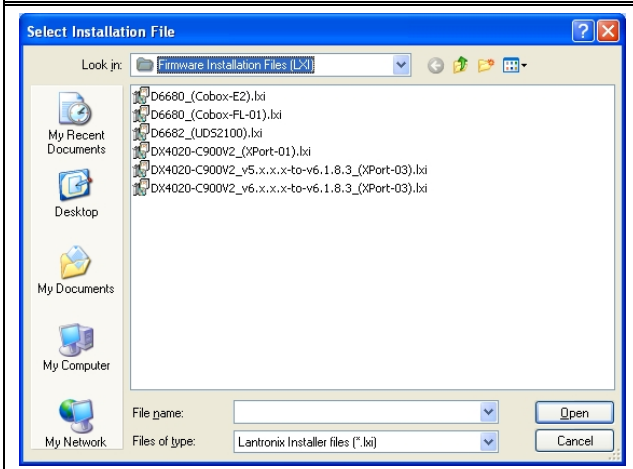
- Click the **Upgrade** button.
The Upgrade Wizard starts.

Figure 11: Select LXI File



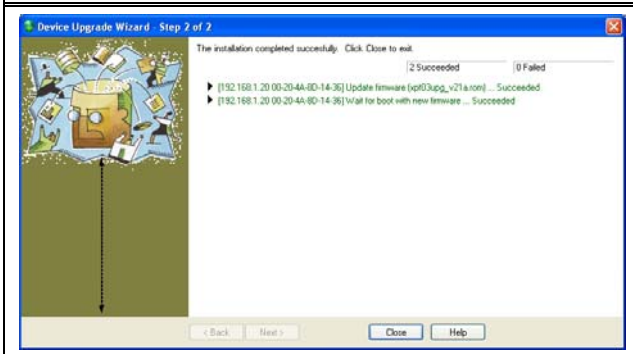
- Click **Use a specific installation file (LXI)**, then click **Browse**.
The **Select Installation File** window opens.

Figure 12: Select Installation File



5. Navigate to the D6200 CD-ROM, then to **Network Interface Modules Software**→**Firmware Installation Files (LXI)**.
6. Select the **DX4020-C900V2_v5.x.x.x-to-v6-Boot_(XPort-03).lxi** file. Click **Open**.
The Upgrade Wizard continues. When the boot code is installed, a confirmation message appears.

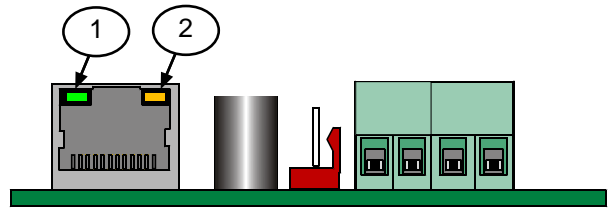
Figure 13: Boot Code Installation Success



At this point in the upgrade procedure, the device is not yet upgraded from v5.x.x.x firmware to v6.x.x.x. Only the boot code is loaded.

On the XPort-03/04 device, check the status LEDs on the XPort. Both LEDs should be flashing simultaneously to indicate that the upgrade is in progress, but the device is not ready for normal operation. Refer to *Figure 14* for the location of the XPort LEDs.

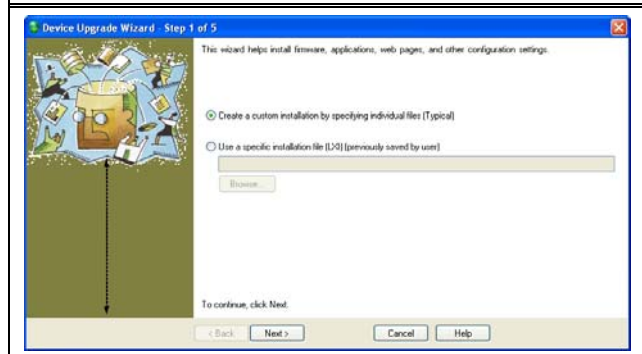
Figure 14: XPort LEDs (DX4020 example)



- 1- Link LED
- 2- Activity LED

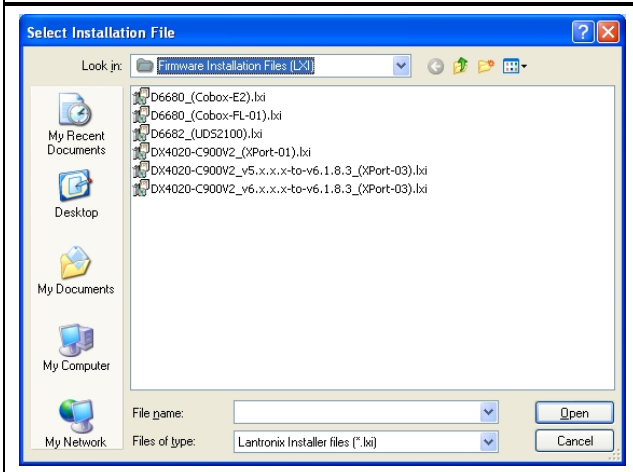
7. An error message appears on the DeviceInstaller user interface. Click **OK** to continue.
8. On the DeviceInstaller user interface, click the **Search** button to refresh both panes. At first, the device shows as an XPort-03/04 v2 device in the tree pane until the search function is completed. The device then updates to an XPort-03/04 v6 device.
9. Click the **Upgrade** button. The Upgrade Wizard starts.

Figure 15: Select LXI File



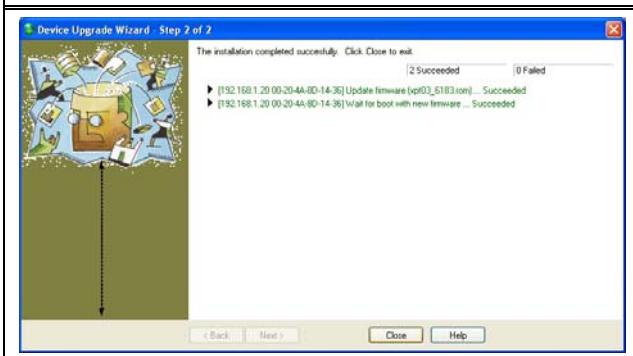
10. Click **Use a specific installation file (LXI)**, then click **Browse**. The **Select Installation File** window opens.

Figure 16: Select Installation File



11. Navigate to the D6200 CD-ROM, then to **Network Interface Modules Software→Firmware Installation Files (LXI)**.
12. Select the **DX4020-C900V2_v6.x.x.x-to-v6.1.8.3_(XPort-03).lxi** file.
13. Click **Open**.
The Upgrade Wizard continues.
14. Click **Next** to install the files.
The update starts. A confirmation message appears indicating whether or not the update was successful. If the update attempt fails, the wrong installation file was selected for the device.

Figure 17: Upgrade Success

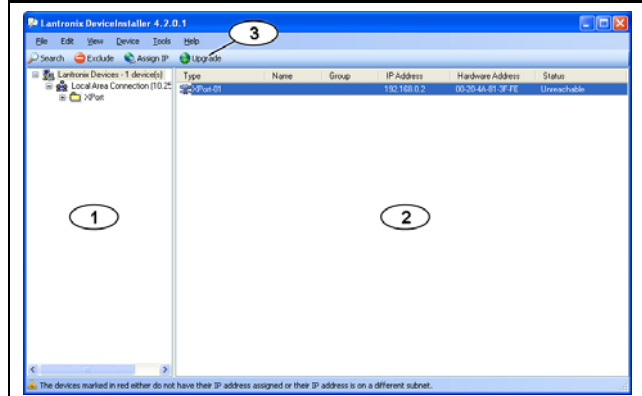


4.2 Upgrading Devices Other Than XPort-03/04 v5.x.x.x

1. To start the DeviceInstaller application, select **Start→All Programs→Lantronix→DeviceInstaller 4.2→DeviceInstaller**.
When startup is complete, the DeviceInstaller application queries the network for all installed Lantronix devices.

2. Select the device to upgrade from either the tree pane on the left side of the application (expand the node and select the device with the IP address), or the device pane on the right side. The **Upgrade** button appears in the toolbar when a device is selected.

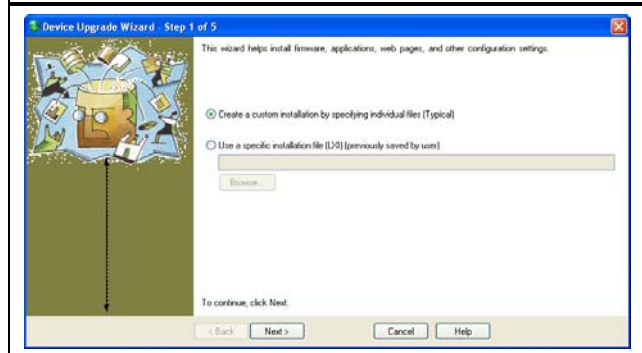
Figure 18: DeviceInstaller User Interface



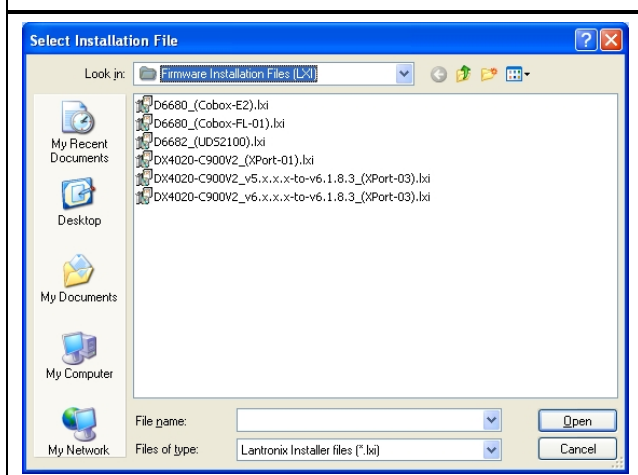
- 1- Tree pane
- 2- Device pane
- 3- Upgrade button

3. Click the **Upgrade** button.
The Upgrade Wizard starts.

Figure 19: Select LXI File



4. Click **Use a specific installation file (LXI)**, then click **Browse**.
The **Select Installation File** window opens.

Figure 20: Select Installation File

5. Navigate to the D6200 CD-ROM, then to **Network Interface Modules Software→Firmware Installation Files (LXI)**.
6. Select the appropriate LXI file for the device. Refer to *Table 1* and *Table 2* on page 10. Click **Open**. The Upgrade Wizard continues.

7. Click **Next** to install the files. The update starts. A confirmation message appears indicating whether or not the update was successful. If the update attempt fails, the wrong installation file was selected for the device.

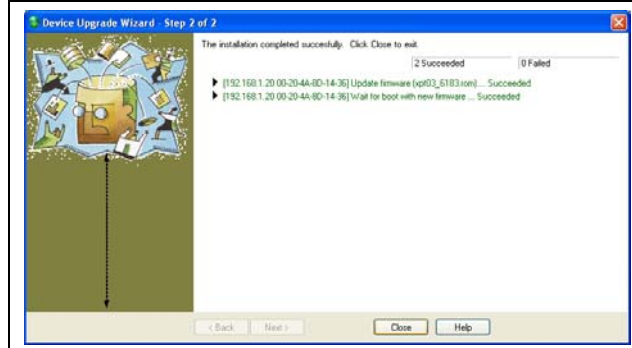
Figure 21: Upgrade Success

Table 1: Proper Software Version to Use Based on Hardware Revision

Device	UDS Family		XPort Family	
	Hardware Revision 1 (CBXM-ERAD)	Hardware Revision 2 (CM-E2-RAD)	XPort-01	XPort-03/04
D9133TTL-E	cbx5884.rom D9133-C900TTL_(CBXM-ERAD).lxi	ltx5884.rom D9133-C900TTL_(CM-E2-RAD).lxi	N/A	N/A
C900TTL-E	cbx5884.rom D9133-C900TTL_(CBXM-ERAD).lxi	ltx5884.rom D9133-C900TTL_(CM-E2-RAD).lxi	N/A	N/A
DX4020	N/A	N/A	xpt_5883.rom DX4020-C900V2_(XPort-01).lxi	Xpt03_6183.rom DX4020-C900V2_v6.x.x.x-to-v6.1.8.3_(XPort-03).lxi
C900V2	N/A	N/A	xpt_5883.rom DX4020-C900V2_(XPort-01).lxi	Xpt03_6183.rom DX4020-C900V2_v6.x.x.x-to-v6.1.8.3_(XPort-03).lxi
D6100i	N/A	N/A	N/A	Xpt03_6183.rom

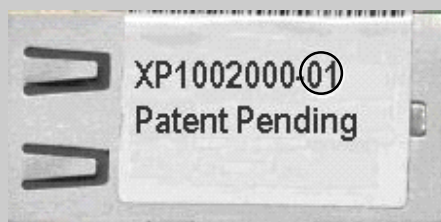
Table 2: Proper Software Version to Use Based on CoBox Hardware Revision

Device	UDS Family		
	CoBox Hardware Revision 1 (COBOX-EXT-ENET)	CoBox Hardware Revision 2 (COBOX-FL-01)	D6682 Ethernet Network Adapter (UDS2100)
D6680	cbx5884.rom D6680_(Cobox-E2).lxi	ltx5884.rom D6680_(Cobox-FL-01).lxi	N/A
D6682	N/A	N/A	D6682_(UDS2100).lxi



You can identify which XPort module you have by looking at the last two digits of the module's label.

For example, on an XPort-01 label:



You can identify the Conettix product's hardware version by looking at the label on the side of the product:



5.0 Uninstall DeviceInstaller

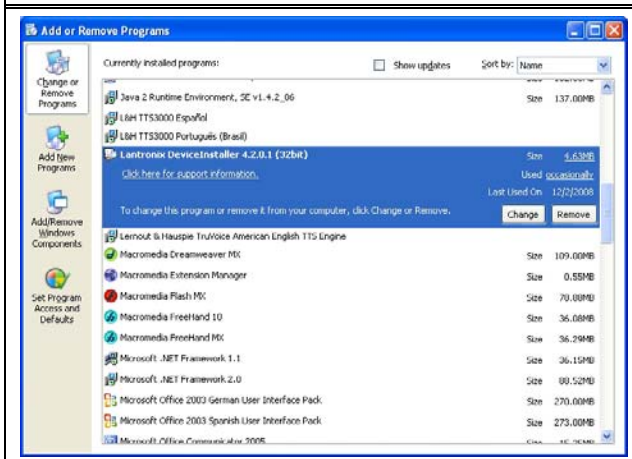
1. Select **Start**→**Settings**→**Control Panel**.
The Control Panel window opens.

Figure 22: Control Panel Window



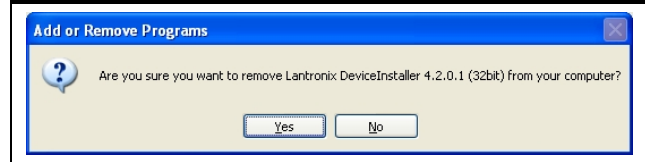
2. Click **Add or Remove Programs**.
The **Add or Remove Programs** utility starts.
3. Scroll to **Lantronix DeviceInstaller x.x.x.x**, and click once to select it.

Figure 23: Add/Remove Programs



4. To remove the program, click the **Change or Remove Programs** button.
A confirmation window appears prompting you to confirm the program's removal.

Figure 24: Add or Remove Confirmation



5. Click **Yes** to continue.
A window appears showing an animation of files flying from a folder and disappearing. A task bar is at the bottom showing the progress of the removal. When the Remove process is completed, a new window appears stating that all components were successfully removed.
6. Click the **Finish** button to close this window.

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