



KB2017-02: Using the DL-PCIe (CIF50e-DHP) Adapter

The DL-PCIe (CIF50e-DHP) adapter connects a computer to a Data Highway Plus or Data Highway 485 network through a PCI Express bus. Once installed, Windows assigns a COM port to the adapter, making it look like a serial port to the system. The Cyberlogic Serial DHX Driver can use that COM port to communicate to nodes on a Data Highway Plus or Data Highway 485 network.

Applies To:

Any Windows system with a DL-PCIe adapter and running a DHX Suite of version 7.0 or later.

Installing DL-PCIe Adapter Support

DHX Suites newer than version 8.0 + Update 201303

All DHX Suites newer than version 8.0 + Update 201303 already have built-in support for the DL-PCIe adapter.

DHX Suites 7.0 – DHX Suites 8.0 + Update 201303

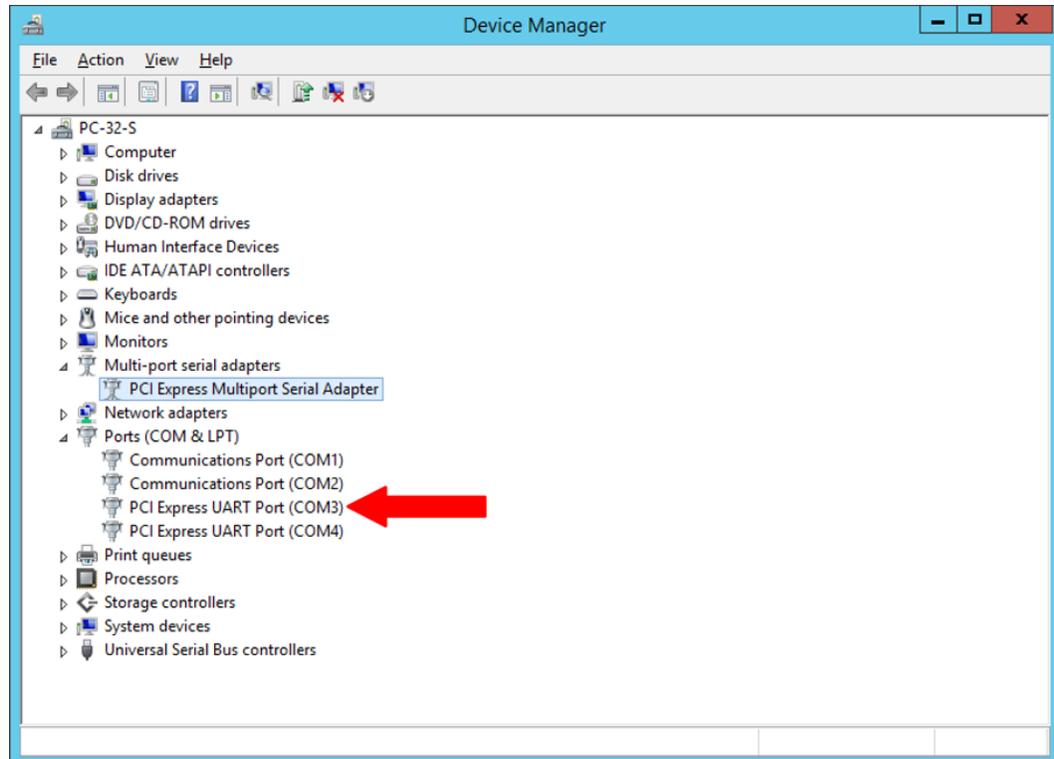
Support for the DL-PCIe adapter can be installed for these versions of the DHX Suites. Download then run the SerialU2DHPPatch.exe from the Cyberlogic Download page (<http://www.cyberlogic.com/download.html>).

DHX Suites older than version 7.0

There is no support for DL-PCIe adapters available in DHX Suites earlier than 7.0. Upgrade to the latest version of the appropriate DHX Suite to add support for the DL-PCIe adapter.

Configuring the DL-PCIe Adapter

Install and configure the DL-PCIe card according to the instructions that you received with the adapter. You will need to know the COM port number assigned by the software. There will be 2 PCI Express UART Ports in the Device Manager (right click on My Computer, select Manage, and then choose Device Manager) under the "Ports (COM & LPT)" branch. You will need to use the lower of the two ports for DF1 communication. You will also need to know the Data Highway Plus or Data Highway 485 station address that you assigned.

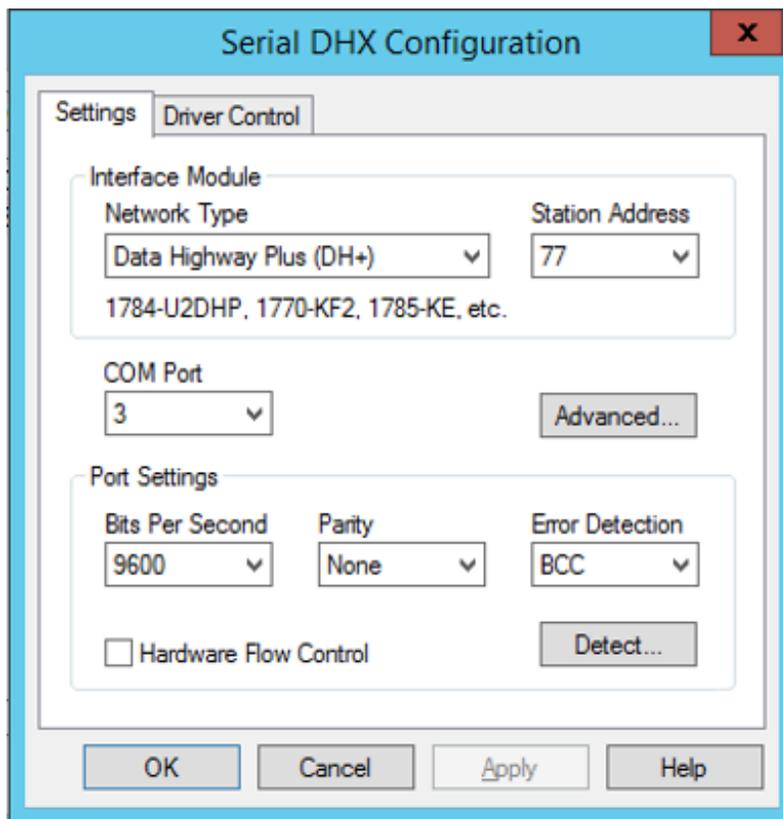


Configuring the Serial DHX Device

A Serial DHX Device needs to be created and configured to use the DL-PCIe adapter. For more information on creating the device, see the [Serial DHX Driver Help](#).

This section describes the configuration required on the Serial DHX Device to make the adapter work properly.

Settings Tab



Network Type

Chooses the type of network to which this device will be connected. Set this to Data Highway Plus (DH+) or Data Highway 485 (DH-485) for the DL-PCIe adapter.

Station Address

Select the address that was assigned to the DL-DHPe adapter during the installation and configuration of the adapter.

COM Port

The COM Port setting must be the lower of the two COM ports that Windows assigned to the DL-DHPe adapter. In this example, we will use COM 3.

Port Settings

Click the Detect... button to discover the settings and complete your configuration.

Technical Support

You can get detailed information on how to install, configure and use the Serial DHX Driver by referring to [Serial DHX Driver Help](#).

Cyberlogic's website, www.cyberlogic.com, has information on related products, news, software downloads and contact information.

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