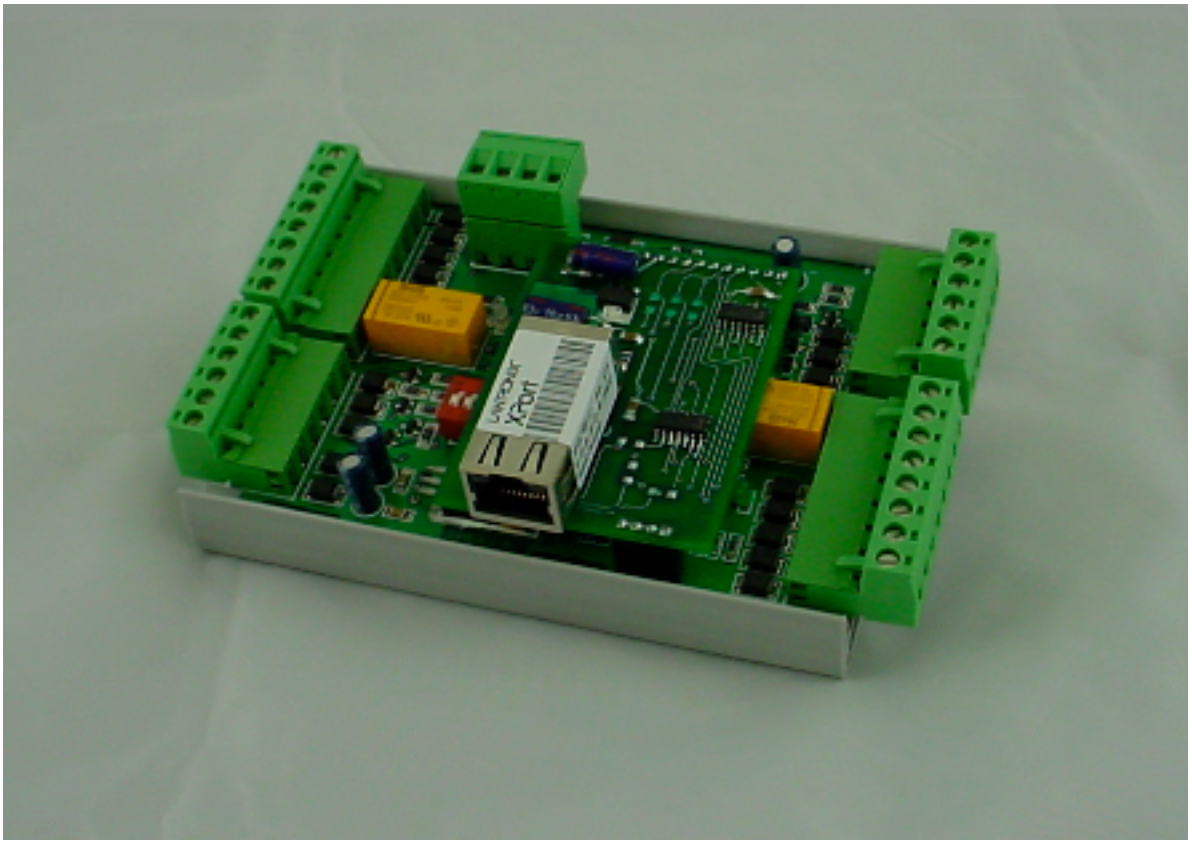
DPX-7200

Cypress Duprex *Network LAN* version

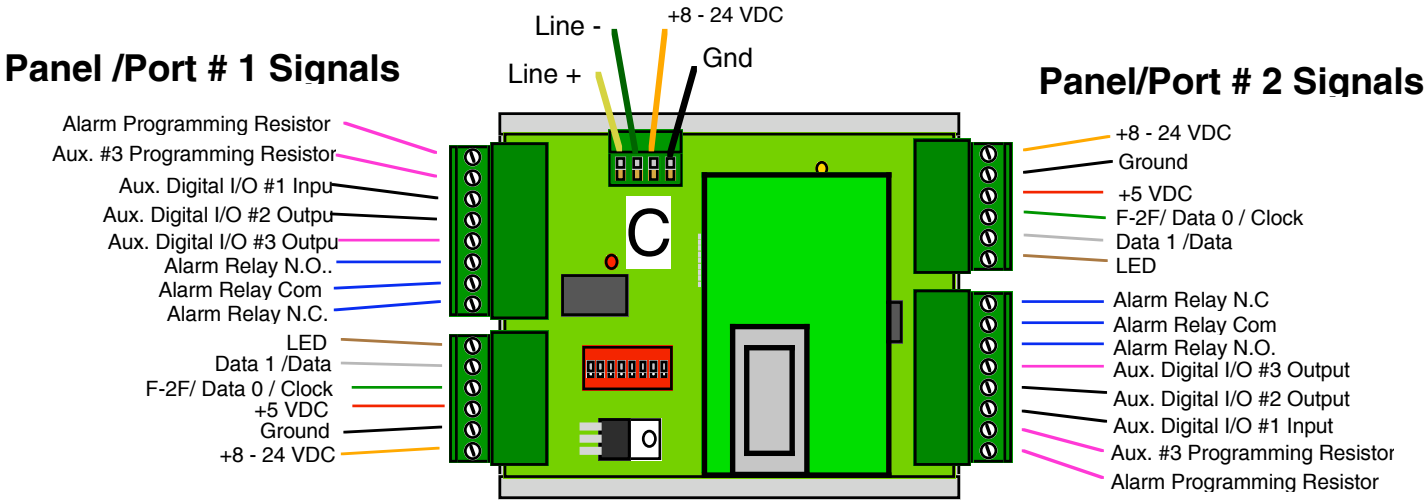
User Manual



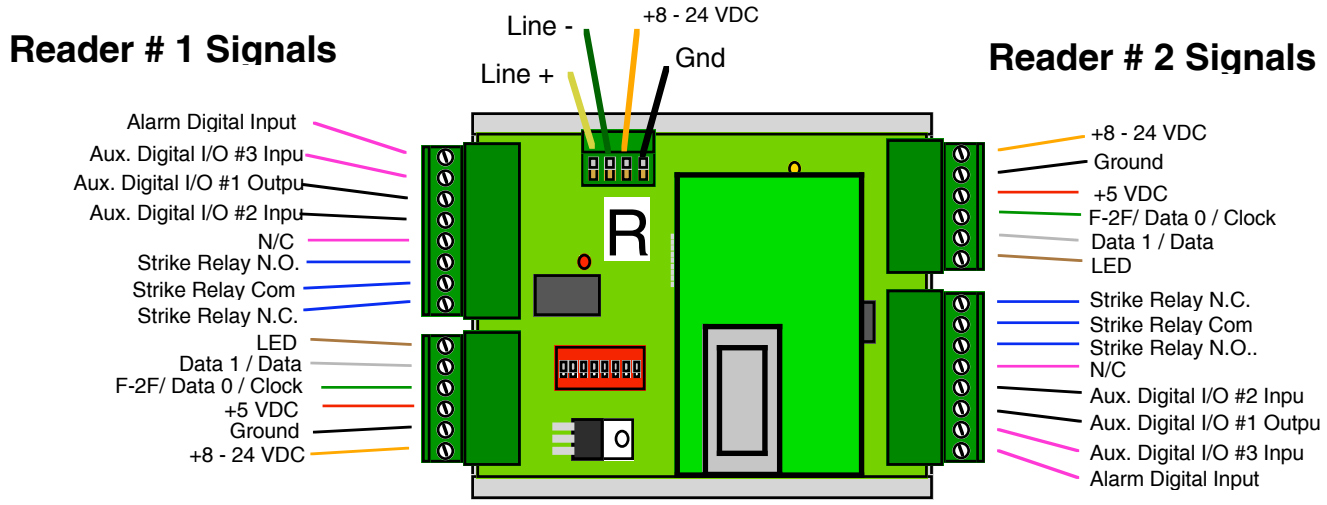
MAN-SY-DPX-7200-v100
241122-1

DPX-7200

Connector Terminal Identification- **Quick Reference**



Duprex Central Unit

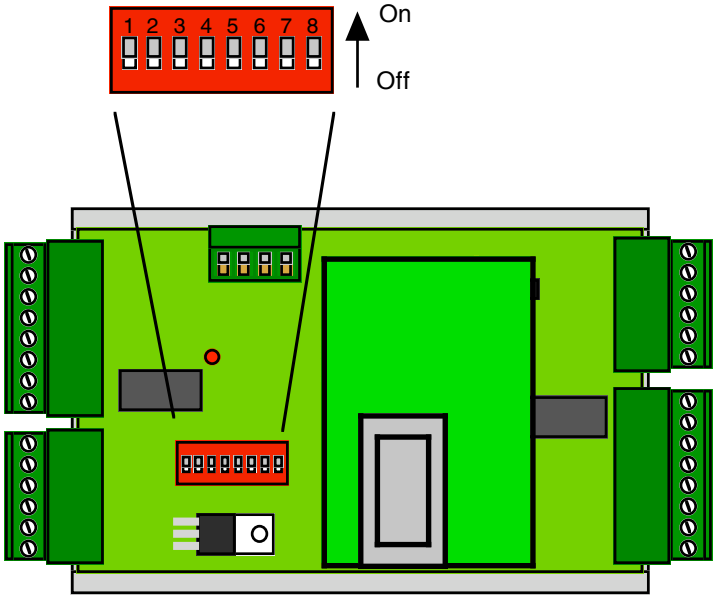


Duprex Remote Unit

Refer to DPX-7000 Operators manual for detailed description of connections and DIP Switch settings.

DPX-7200

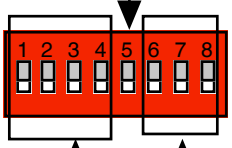
DIP Switch Settings- **Quick Reference**



CENTRAL UNIT ONLY
Dip switch #5 is ON: Alternate IO Assignment

a. Door Strike relay does NOT follow LED
(Auxiliary setting, will follow Digital Input #1)

b. Alarm Relay and Digital Output #3 swap functions.



NOT USED
ALL OFF

	Switch 6	7	8
Wiegand	0		
Wiegand / No Filte	1		x
Strobed Rising Edge (MR-5	2	x	
Strobed Rising Edge (Dorado 644	3	x	x
Strobed Rising (Mag-Tek)	4 x		
Strobed Falling Edge	5 x		x
Reserved	6 x	x	
Unsupervised F/2F	7 x	x	x

x = ON

All settings except Switch 5 are the same for Central and Remote units.

DPX-7200

User Manual - Initial Setup and Installation

The DPX-7200 operates in the same manner as the DPX-7000 wired version. This document covers the network portions of operation. Refer to the DPX-7000 user manual for details on the I/O and data format operations. The DPX-7200 operates in the same manner as all other members of the Duprex series, except that the data link is provided by an Ethernet TCP/IP connection.

It is suggested that a bench top verification as described below be performed. This will provide a known reference point of proper operation, and will greatly aid in troubleshooting in the event or problems.

Bench top verification of operation

1. Connect units as shown in Diagram #1. An Ethernet “crossover” cable should be used to make a network connection between the two units (Central and Remote).
2. A source of power will be needed for both units. A single supply can be used as shown in Diagram #1 or a separate supply can be used for each unit.

3. DIP Switch #1 on both units should be in the “ON” position. This setting places the units in setup/diagnostic mode.

4. Apply power to both units. After a short delay, both units should begin communicating. This will be indicated by the Amber communication LED flashing rapidly on both units , and the Diagnostic LED flashing Green slowly.

5. Move DIP Switch #1 to “OFF” on both units. The Amber communication LED should stop flashing. The units are now in Normal “Quiet” mode. This preserves network bandwidth. Periodically the units will establish contact with each other to verify the data link. Communication will also occur when a change in I/O status occurs such as a contact changes state, or a badge is read.

6. Verify Quiet Mode operation. Place a jumper between one of the LED inputs on the Central unit and Ground. You should see the Amber communication LED on both units flash to indicate a change of state.

If everything operates up to this point, the units are ready to be installed.

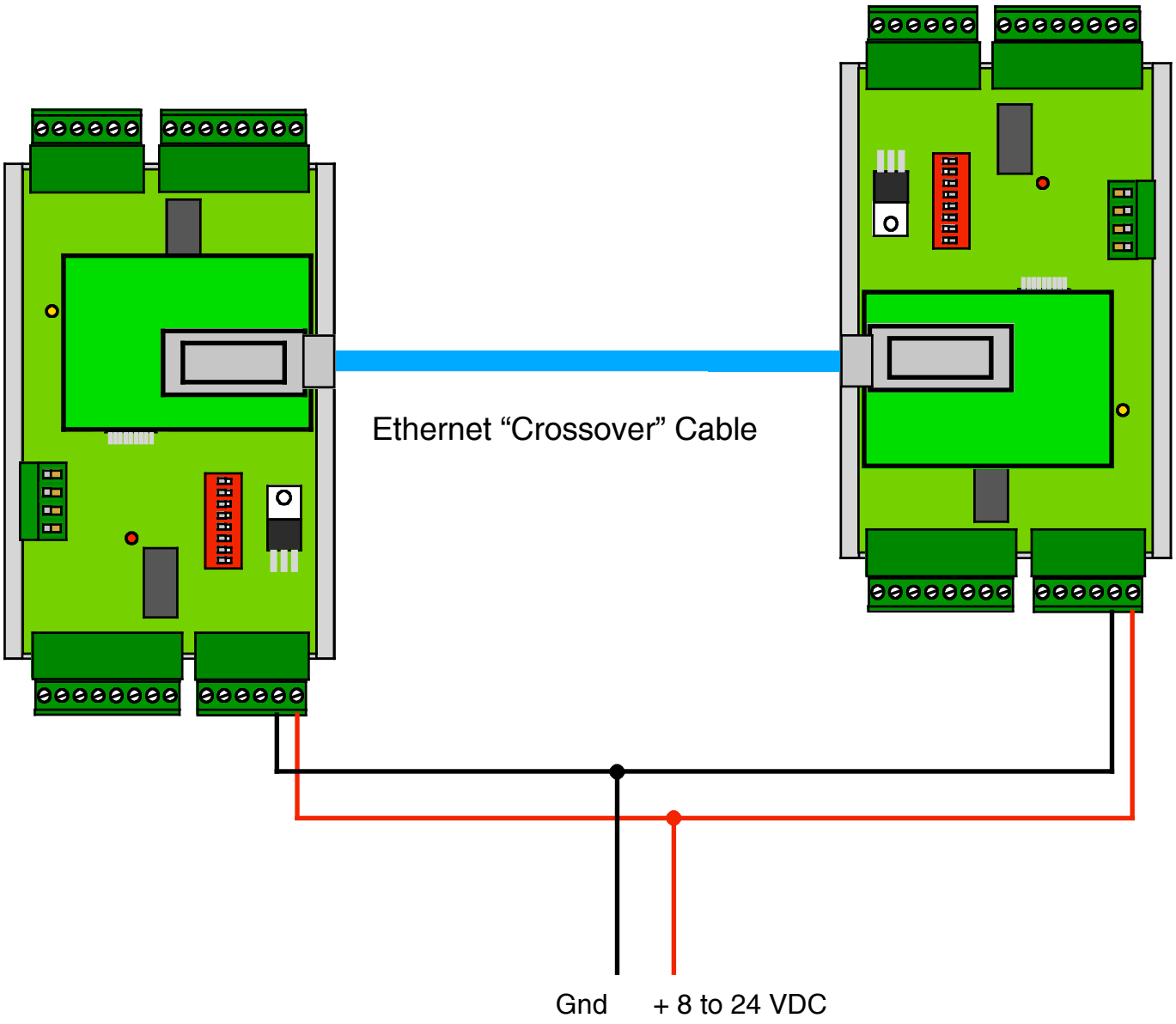


Diagram #1 DPX-7200 Initial setup - Typical connections

DPX-7200

User Manual - Initial Setup and Installation

Each Duprex DPX-7200 pair is reconfigured with a TCP/IP address.

Duprex Central = 192.168.1.58

Duprex Remote = 192.168.1.59

It may be necessary to change these settings to be compatible with the network that will be used in the final installation. The DPX-7200 system requires the use of fixed IP addresses to be assigned to the units. It may be necessary to coordinate with the System Administrator before placing the devices on a network.

The Lantronix Xport Device Installer program can be used. Each order for the DPX-7200 will include a CD containing the program. If for some reason the program has not made it to you, it can be downloaded from www.lantronix.com under support/downloads/Xport Device Installer.

This manual will describe how to change the IP address and net mask for the units using the Xport Device Installer software. Once the Addresses have been set to be compatible with the network, final
installation can be made.

It is beyond the scope of this manual to describe switch/router and other complex network settings and topologies. It will be incumbent upon the end user or system administrator to determine how to configure their network equipment to allow operation of the DPX-7200 units.

During the configuration process some settings may be changed inadvertently that will cause the units to cease operation. Refer to AN-SY-DPX-7100-1 which describes how to reset the units to the factory default condition.

DPX-7200

Changing the IP Address

1. Install the Lantronix “Xport Device Installer” software from the distribution CD or Lantronix web site (www.lantronix.com).

2. Connect the device(s) to a host computer using the crossover cable or using a Hub and straight through cables.

3. Apply power to the device(s) being configured.

4. Start the software and follow the procedures indicated in the next 2 pages “Setting IP Address .

The Net mask comes set from the factory at : 255.255.255.0

The Net mask setting can be changed using the Xport Device Installer if necessary.

Changing the Net mask

It will be necessary for the Host Computer to be on the same subnet as the device(s) being configured for this procedure.

1. Start the software and display the Search screen.

2. Select the device from the list.

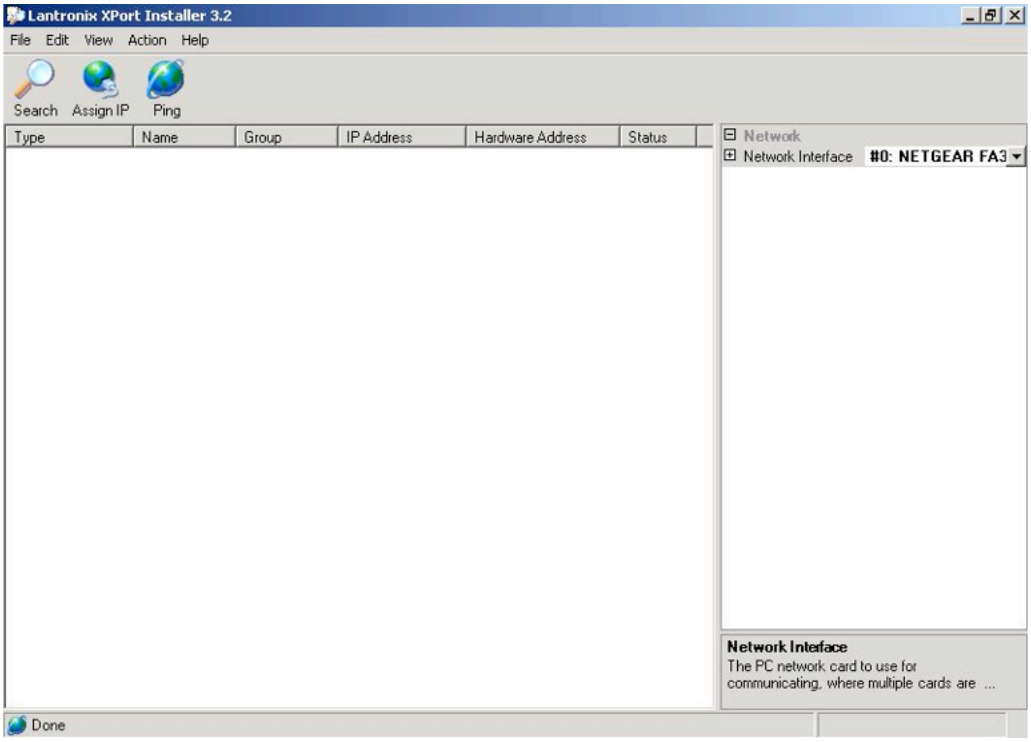
3. Click on the Telnet button.

4. A Click OK when the Telnet connection window opens.

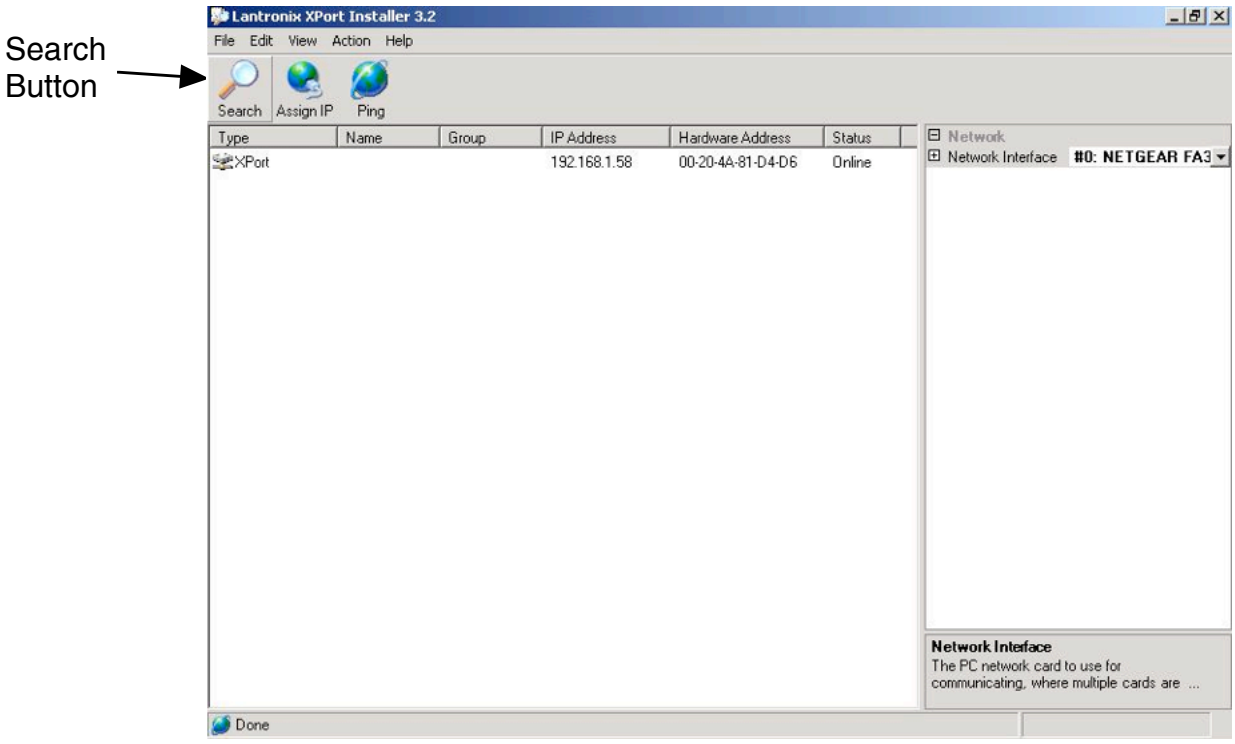
5. A text based interface should be displayed.

6. Select 0. Server configuration. This selection will allow setting IP Address and Net mask.

Setting IP Address - DPX-7200



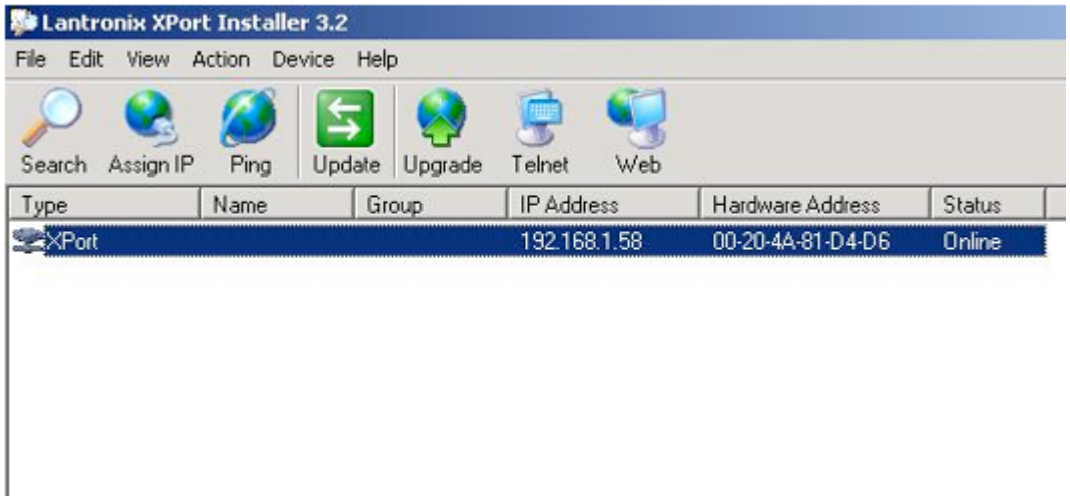
1. Start the Lantronix XPort Installer software. The startup screen is shown above.



2. Click the "Search" button, after a brief delay, the connected device(s) should appear in the device list as shown above.

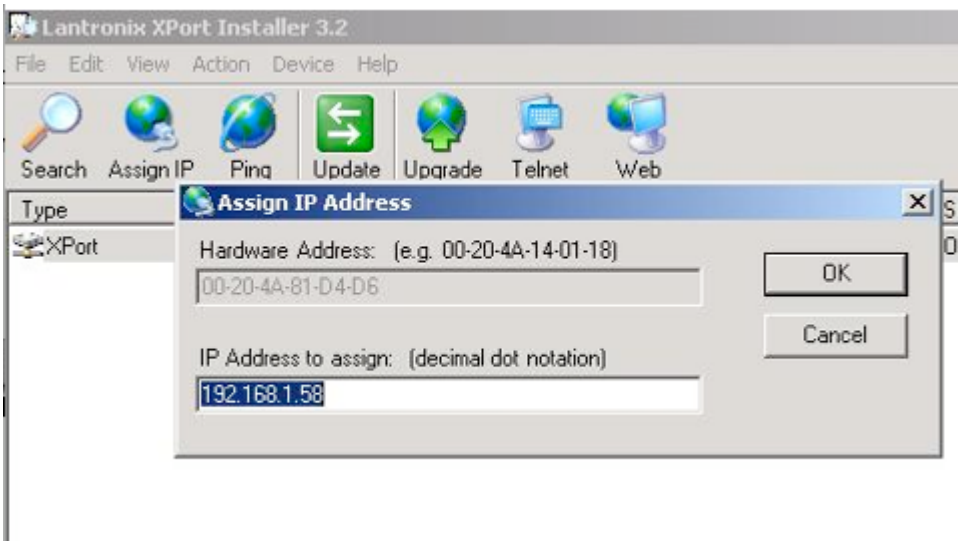
Setting IP Address - DPX-7200

Note: If the unit does not appear in the device list, check power and network connections. You will not be able to proceed if you are unable to see the unit to be configured in the device list.



Device in List →

3. Select the device to be configured with a mouse click. The device will highlight in blue as shown above when selected. Verify which device is to be configured by the MAC address. The MAC address is printed on the Xport module. i.e. make sure you are configuring the correct Central unit or Remote unit.



4. Click on the "Select IP" button. The dialog box shown above will open. Enter an IP address for the unit. The IP address should be unique and on the same subnet as the host computer. Click on the "OK" button after the IP address has been entered. There will be a delay while the unit reboots. After reboot the unit should reappear in the device list.