

# PX

## Quick Start Guide



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### QUICK GUIDE

#### Connecting the PX

Where your network switch supports PoE (Power Over Ethernet), PXs can receive power via the network cable. Alternatively they can receive power from the optional power adapter.

To connect the PX:

1. Connect the 26 pin connector of the supplied USB-KVM cable to the 26 pin port of the PX.
2. Connect the USB and Video connectors of the USB-KVM cable to the relevant ports of the Target server. See Figure 2 below. (For connection to a PS/2 type computer, use the PS/2 cable p/n 5CB00611 - (ordered separately) and connect the Keyboard, Video, and Mouse (KVM) connectors to the KVM ports of the Target server.
3. Connect a network cable to the RJ45 port of the PX and to your PoE enabled network switch.
4. Where relevant connect the power adapter to the PX power port.

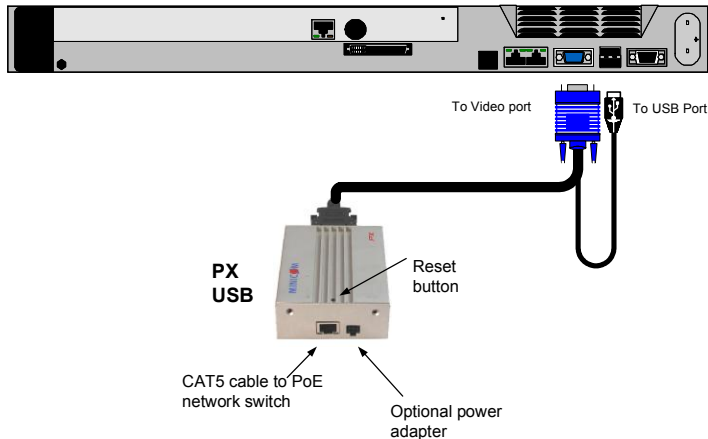


Figure 2 PX connections

### Introduction

With the PX you can control, monitor and manage your server from wherever you are, inside or outside the organization.

PX can be used as a standalone unit to extend your KVM (keyboard, video, and mouse) from any computer or server over TCP/IP via LAN, WAN or Internet connection.

PX can also be used as part of a Centralized Management system (AccessIT or KVM.net II) for access to servers and network devices across geographic locations using TCP/IP. Users login via the Centralized Management Web interface to connect to servers anywhere in the world.

#### Centralized Management systems - Pre-installation guidelines

For the Centralized Management systems you need to prepare a list of all system components including the PX. The sheet supplied with the Centralized Management User Guide contains a list of all the details you need including the PX units. For extra sheets, photocopy them or print them from the softcopy files on the supplied CD.

The lists should include the following for each Target server:

- A unique and clearly identifiable name
- The operating system
- Non-default mouse settings. Default mouse settings do not need to be listed

#### Note! For Windows XP, 2003 Server and Vista

For Windows XP, 2003 Server and Vista deactivate **Enhanced pointer precision**. From the **Control Panel** select **Printers and Other Hardware**. Click the **Mouse** icon. The Mouse Properties box appears. See Figure 1. Select the **Pointer Options** tab.

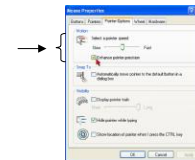


Figure 1 Pointer tab

Center the **Motion** section slider bar, and uncheck the **Enhanced pointer precision** box. Click OK to save changes.

### PX LEDs

The PX has 2 green LEDs by the RJ45 connector. 1 shows the PX is connected to PoE network switch and the other shows that the Target server connected to this particular PX is being accessed.

#### Connecting the PX to a rack

The PX comes with a versatile bracket in two sections see Figure 3. The bracket can be connected to the PX and then mounted on a rack in many different ways.

- Connect to the left or right side of the rack
- Connect the PX to the bracket at different angles
- Connect to different horizontal positions on the rack

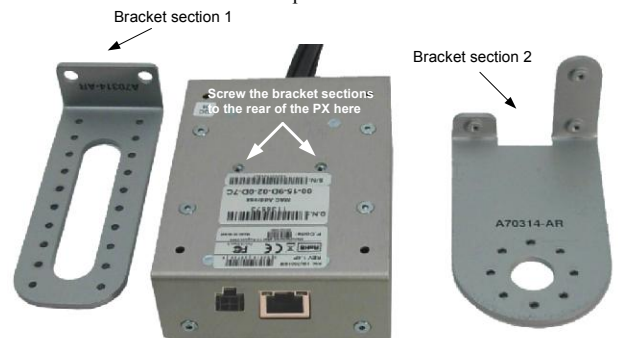
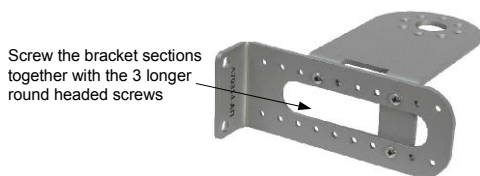


Figure 3 Rear of PX plus bracket sections

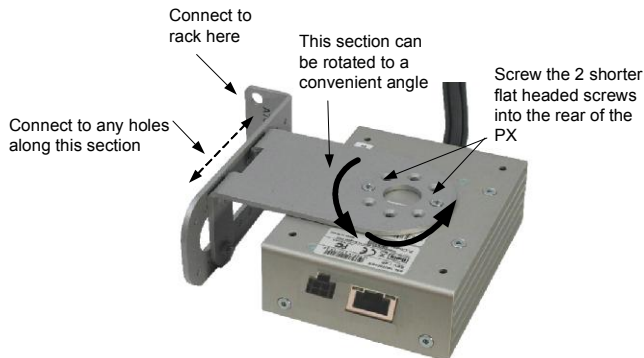
Use the screws provided to connect the bracket sections. There are 2 different types of screws. Connect the 2 parts of the brackets together with the 3 longer round headed screws. See Figure 4.

Connect section 2 of the bracket to the rear of the PX with the 2 shorter flat headed screws. **Note!** The screws fit snugly into the side of the bracket section 2 that is indented.



**Figure 4 Connecting the bracket sections together**

The figure below illustrates a possible application of the bracket.



**Figure 5 Bracket application**

### Assigning an IP address for each PX

To assign an IP address for each PX there should be a DHCP server on the network. Once a PX is powered on and connected to the network it automatically receives an assigned IP address from the DHCP server.

Where a DHCP server is currently unavailable, the PX boots with the static IP address of 192.168.0.155. The PX searches for a DHCP server every 5 minutes. Once a DHCP server becomes available the PX receives an IP address from it.

You see the assigned IP address when you access the Centralized Management system. The Centralized Management system automatically discovers all PXs connected to the same network segment. The PX MAC address appears on the underside of each PX.

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### Restoring factory defaults

To restore a PX to the factory default settings, the PX must be connected to the PoE switch and a powered on computer.

Press the PX's Reset button (see Figure 2) for a few seconds. The Power LED blinks once and the PX reboots with the factory default settings.

#### Booting PX in safe mode, if administrator's password is forgotten

1. Disconnect the network cable from the PX.
2. Press and hold the Reset button and re-connect the PX to the PoE switch.
3. Continue pressing the Reset button for 3 - 5 sec after re-connecting.
4. Release the Reset button. If a DHCP server is available, PX picks up an IP address from it. If there is no DHCP server, PX boots with static IP 192.168.2.155.
5. Type <http://192.168.2.155/config> (HTTP and not HTTPS), or type the IP address received from the DHCP server.
6. Login with user name **admin** and password **SAFEmode** (case sensitive).
7. Restore PX default settings from the safe mode or perform a firmware upgrade if PX fails to boot with its normal firmware.

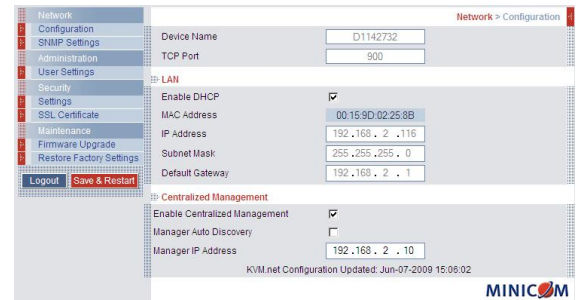
Contact Minicom Technical Support for special firmware for upgrading PX from the safe mode.

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### Assigning static IP addresses

Where there is no DHCP server on the network, assign IP addresses as follows:

1. Connect the PXs as described above, one at a time and open Internet Explorer.
2. Type <https://192.168.0.155/config> and login with user name **admin** and password **access** the PX Configuration page appears see Figure 6.



**Figure 6 PX Configuration page**

3. In the LAN 1 section, uncheck Enable DHCP and configure a static IP address for the PX, including Subnet Mask and Default Gateway.
4. Click Save & Restart.

The Centralized Management section in Figure 6 is only relevant when the PX is part of a Centralized Management system. When part of a Centralized Management system select the Enable Centralized Management checkbox, this enables the Centralized Management system to detect the PX. Once enabled, the Centralized Management system can automatically discover PXs connected to the same network segment, we recommend un-checking Manager Auto Discovery and typing in the Manager IP.

### Operating the system

To complete the initial setup and operate the system, see the softcopy PX User Guide at:

<http://www.minicom.com/supportuserguides.htm>

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### PX - Technical specifications

<b>Operating systems</b>	<b>Target Server</b> DOS, Windows, Novell, Linux, SUN Solaris for PC  <b>Client Computer</b> Windows 2000 or later with Internet Explorer 6.0 / Firefox 3.0 and later Linux x86 with Firefox 3.0 and later
<b>Resolution</b>	<b>Target Server</b> Up to 1600x1200 @85Hz <b>Client Computer</b> Recommended resolution should be higher than resolution on local computer
<b>Video and Mouse Synchronization</b>	Both auto and manual modes
<b>Connections</b>	Ethernet - RJ45 - 10/100 Mbit/sec autosensing 26 pin connector for Video and USB (keyboard, mouse and virtual media) cable
<b>Product dimensions HxDxW</b>	33 x 80 x 105mm / 1.2 x 3.15 x 4.13 in
<b>Product weight</b>	0.3kg / 0.66 lbs
<b>Shipping dimensions HxDxW</b>	105 x 150 x 230mm / 4.1 x 5.9 x 9.0 in
<b>Shipping weight</b>	0.7kg / 1.54 lbs
<b>Power supply</b>	PoE 4.5W or external power supply 12V, 1000mA
<b>Operating temp.</b>	0°C to 40°C / 32°F to 104°F

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