LED CTRL PX24 Powerful Pixel LED Controller User Guide

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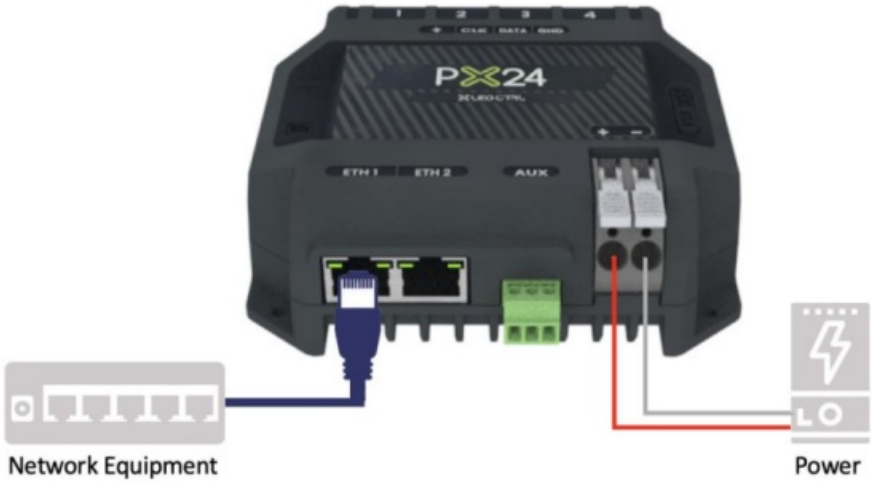
Contents

Physical Connections

Connect the PX24 to a 5 – 24Vdc power input by lifting up the power input levers, inserting the power wires (with the correct polarity), and clamping the levers back down. An Ethernet cable should also be connected to either of the Ethernet Ports, allowing connection to a local network, or directly to a PC/Mac.

Figure 1 – Connection Points.



Startup & Network Connection

Startup

Upon startup for the first time, the PX24 will be using DHCP/Auto IP and the status LED will flash green, indicating normal operation. If you have a router, then DHCP will automatically assign an IP address to both the PX24 and your computer.

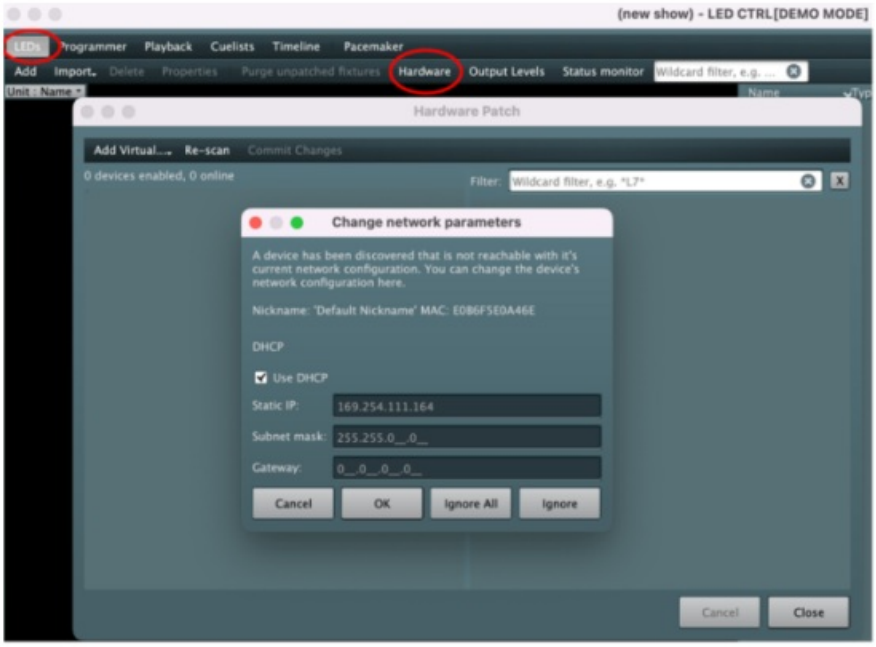
Or for a direct connection, connect the PX24 directly to your computer, and open LED CTRL. Note LED CTRL software can be downloaded here: **www.ledctrl.sg/downloads**

LED CTRL Hardware Discovery

The easiest method for connecting to the PX24 is by launching LED CTRL to discover the device. In LED CTRL select the LEDs tab, followed by Hardware and if necessary ‘Re-scan’ to detect devices. (Note PX24 should be plugged in before starting LED CTRL.)

Any active PX24 devices on the network will be discovered and displayed. If the PX24 is configured on a network address that is inaccessible from LED CTRL based on the network settings of the connected port, a dialogue will be displayed to allow the network address to be changed.

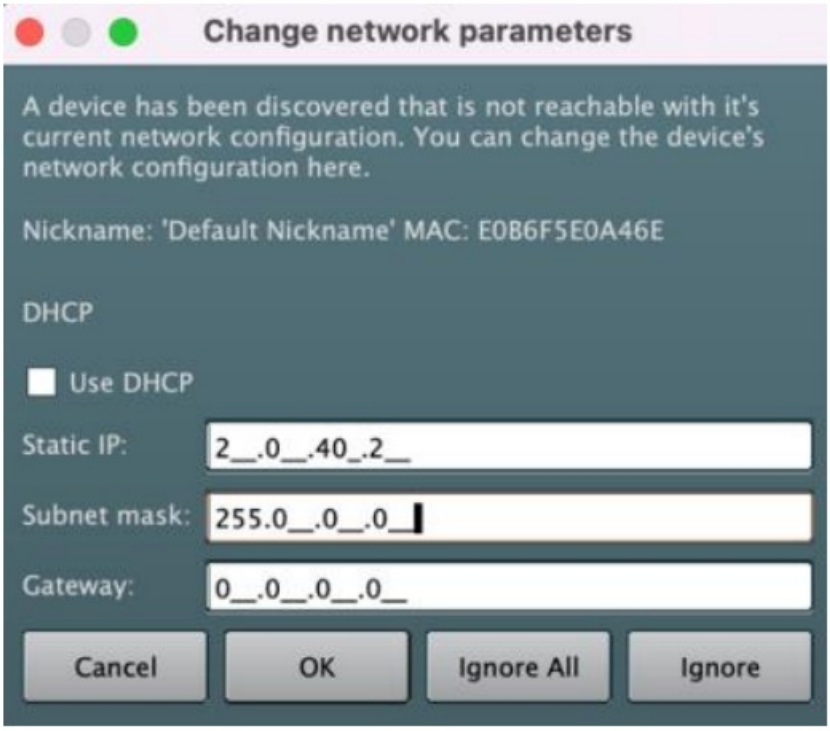
Figure 2 – LED CTRL Hardware Discovery.



To input a static address, de-select the ‘Use DHCP’ option and enter the IP address and subnet directly, followed by OK.

(Note you will need to set your PC/Mac network port to a correlated static address if not already set).

Figure 3 – LED CTRL Changing Network Parameters.



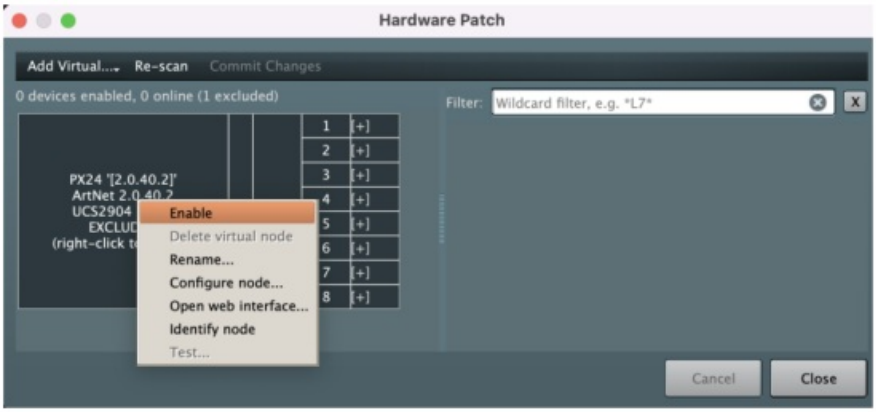
Select Re-scan and the PX24 will be listed similar to below:

Figure 4 – LED CTRL Hardware Discovered.

LED CTRL PX24 Configuration

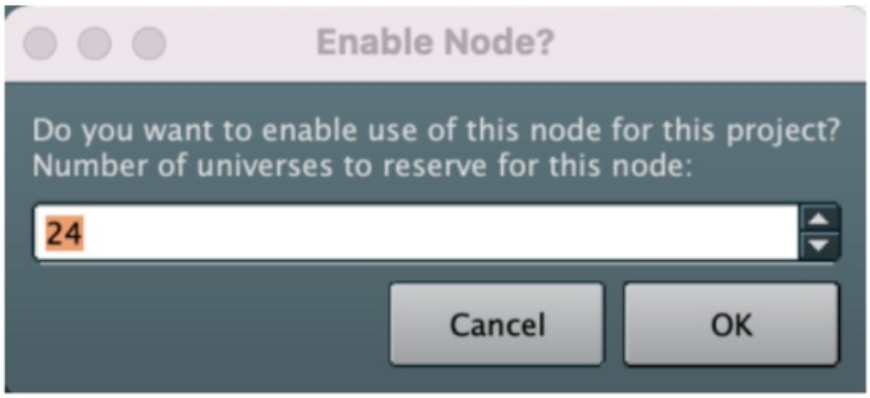
Right click in the PX24 information window and select ‘Enable’ to enable the device:

Figure 5 – Enabling the device.



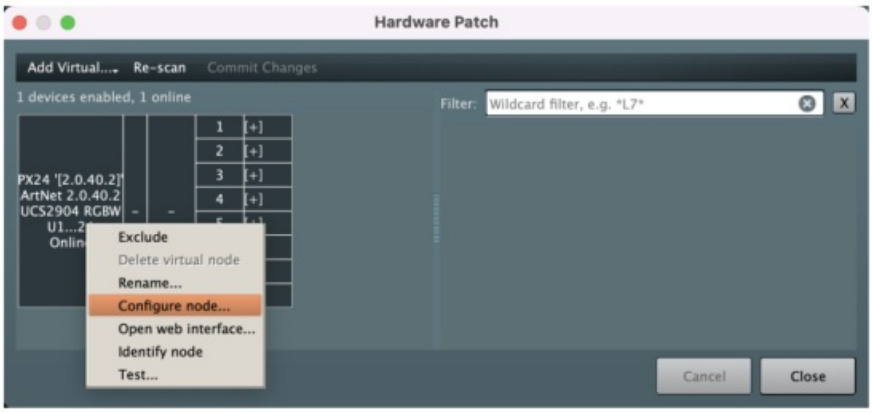
When selecting Enable, a dialog is displayed asking how many universes to allocate for the device, default is 24. Adjust if needed then select OK:

Figure 6 – Assigning universes to the device.



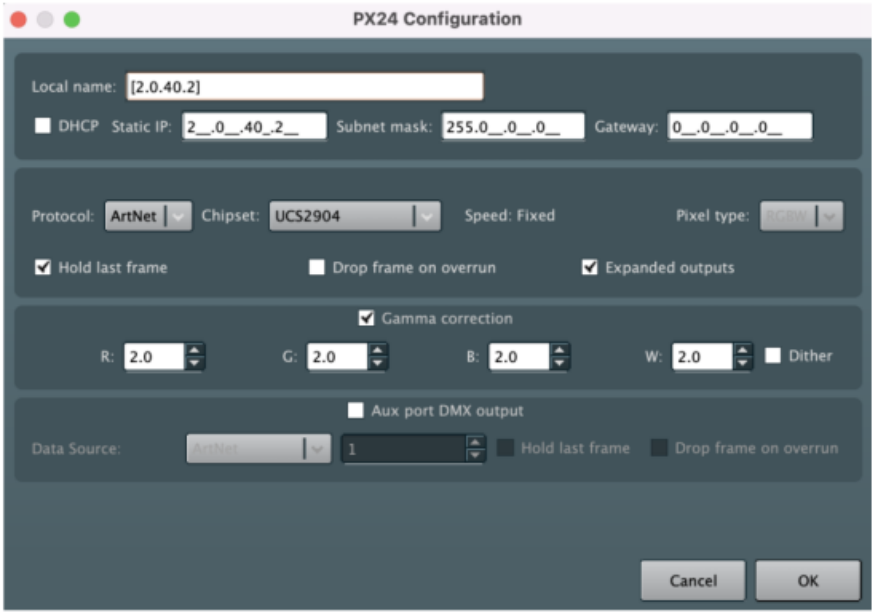
Device will now show as online and can be configured by right clicking again and selecting ‘Configure node’:

Figure 7 – Opening the PX Configuration.



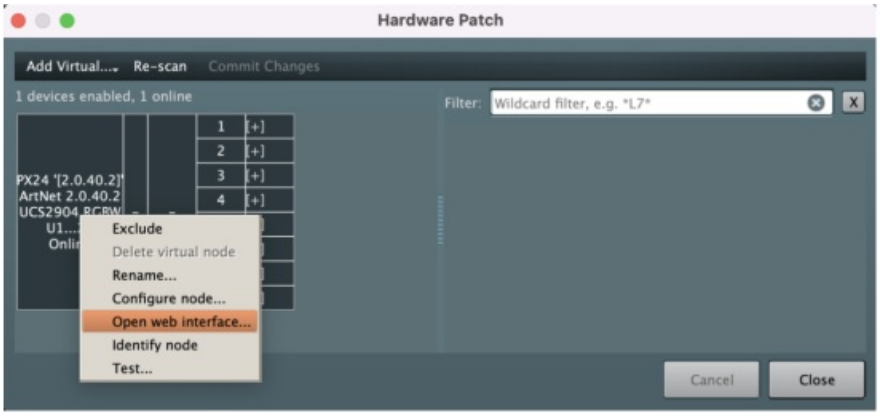
This allows the majority of configuration settings to be viewed and updated:

Figure 8 – LED CTRL PX Configuration screen.



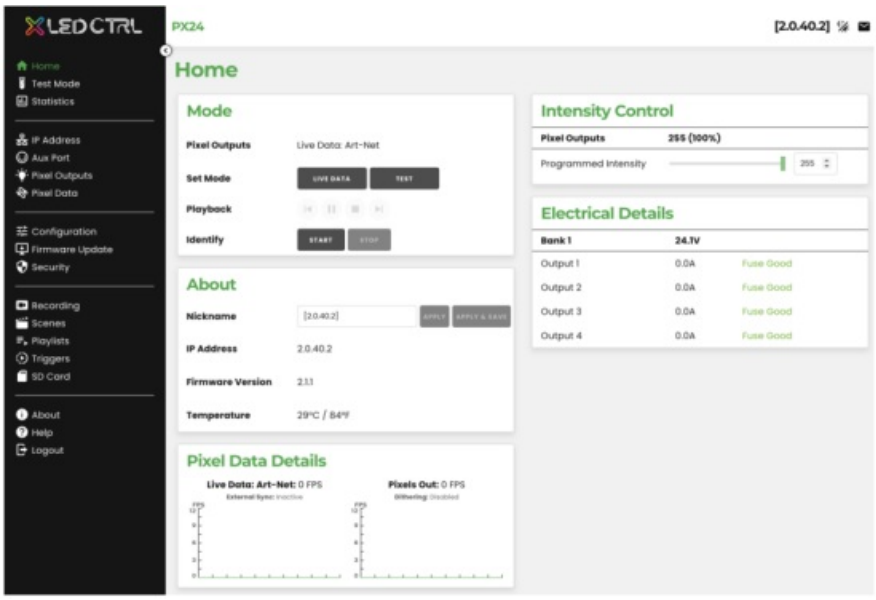
Furthermore, an option is provided to open the Web Management Interface for the device for access to all configuration settings.

Figure 9 – Opening the PX Web Management Interface.



Which will open the web browser configurator:

Figure 10 – PX Web Management Interface.



Note that if you plan to use LED CTRL as the master controller for your project, you should modify any device settings via LED CTRL rather than the Web Management Interface, to ensure that LED CTRL is the mast of truth for the configuration settings.

Further Information

For a more in-depth understanding of the device, including physical installation, electrical connections, network connections, operation, and specifications, you should consult the PX24 User Manual.

Customer Support

www.ledctrl.com
LED CTRL PX24 Quick Start Guide V20240701

Documents / Resources

	LED CTRL PX24 Powerful Pixel LED Controller [pdf] User Guide LED-CTRL-PX24, PixLite A4-S Mk3, PX24 Powerful Pixel LED Controller, PX24, Powerful Pixel LED Controller, Pixel LED Controller, Controller

References

- User Manual