



SMARTSHOW

NetDMX-PoE

Product Information
& Quick Start Guide

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Designed & Assembled
in the UK at
SmartShow UK Ltd
Company No: 12175664



Thank you for purchasing our SmartShow NetDMX-PoE. We hope it gives you many years of trouble-free use and enjoyment.

This handy leaflet is a guide to get you started with connecting the NetDMX-PoE to an Ethernet Network, connecting Power and configuring its Network IP.

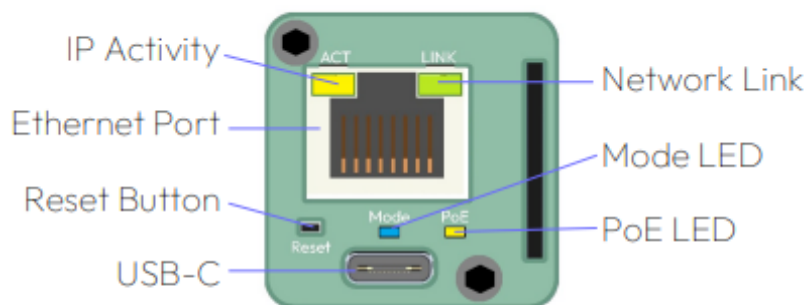
The full User-Guide can be accessed directly from a link in the devices WebUI. The User-Guide opens up in a new browser tab and is hosted by the NetDMX-PoE itself (not online)

If you find a problem with the product (manufacturing defect or otherwise) please contact us on sales@smartshow.lighting and we will endeavour to assist you.

Our warranty information is available at <https://smartshow.lighting>

Register your product with us at <https://smartshow.lighting/register>

NetDMX-PoE: The Front Panel



10/100 Ethernet Port: For connecting to your Ethernet network, PC or console, and also supplying Power of Ethernet. The Green LED indicates a network link, and the Yellow LED indicates IP activity.

Mode LED: This is used to show the devices IP address on startup (see 'Manually reading the device IP'), after which will show either Blue or Red. Blue LED: Art-Net Mode (flashing means receiving, solid means waiting for data). Red LED: sACN/E1.31 Mode (flashing/solid, as above). DHCP: If the device starts up with a solid PURPLE LED then the device is in DHCP mode and will take up to 60 seconds for the device to negotiate an IP address.

PoE LED: If the PoE LED is lit (Yellow) then the device is receiving PoE power from Ethernet.

Reset Button: A short press on the recessed reset button will reboot the NetDMX-PoE. **Factory Reset:** Pressing and holding the reset button will firstly show the Mode LED colour as purple, continue to hold, then after a further 5 seconds, the Mode LED will fast flash Red/Blue before resetting the device to factory defaults, and will then reboot itself, starting-up in DHCP mode.

USB-C: This can be used to provide alternative power to the NetDMX-PoE, as well as for future firmware upgrades.

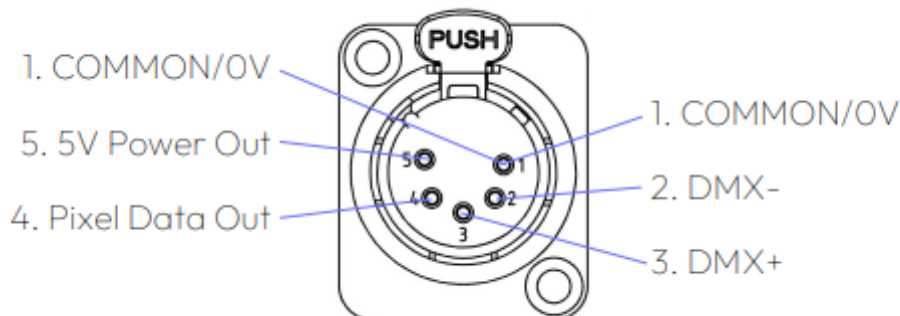
NetDMX-PoE: First Power Up

First power up: From default, the device will be in DHCP Mode, and set to receive Art-Net. If the device is connected to a network and there is a DHCP server on that Network, the NetDMX-PoE will negotiate an IP address, during this time the Mode LED will show a solid PURPLE. DHCP communications may take up to 60 seconds to acquire an IP address (the NetDMX-PoE may not appear to be doing anything), In general it will acquire within a few seconds. If the device fails DHCP acquire, then a fast series of RED flashes will be seen. Once DHCP is complete (whether it got an IP address from DHCP or not) it will show the Device IP via a sequence of Red and Blue flashes on the Mode LED.

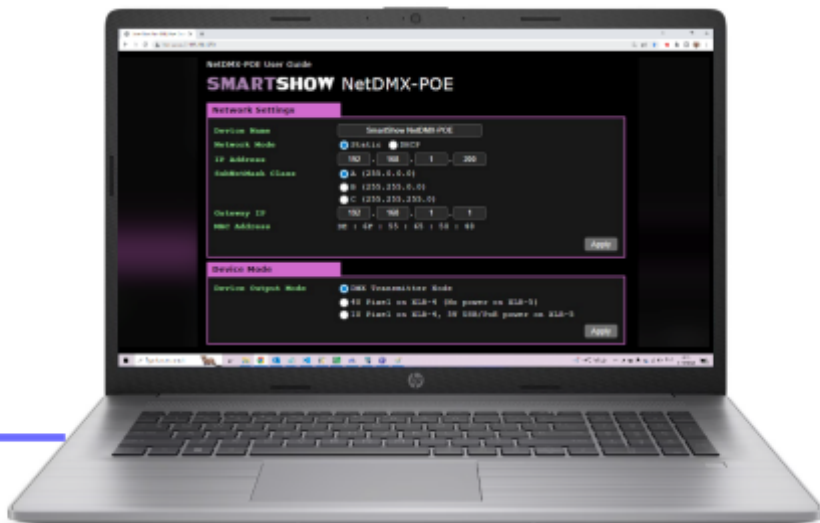
Manually reading the device IP: The NetDMX-PoE IP number is shown as a special sequence of flashes on the Mode LED. This IP flash sequence is shown only once on power up (or after you press the reset button briefly). Each RED flash will count a digit of the IP Number, a BLUE flash is shown between each count. A break in LED colour means 'next octet'. For example, displaying an IP octet of '192' would look like this :

R-b-----R-b-R-b-R-b-R-b-R-b-R-b-R-b-R-b-R-b-----R-b-R-b-
1 1 2 3 4 5 6 7 8 9 1 2

NetDMX-PoE: The XLR Connections



NetDMX-PoE Connections: Network



Connect your NetDMX-PoE to either an existing Network (via your Network Switch) or directly to your PC/Laptop, or Console.

If your NetDMX-PoE is set to DHCP Mode, you will need a DHCP server on the network for it to acquire an IP address.

sACN Multicast: When using sACN/E1.31 Multicast in DMX Mode, we recommend that your network switch is configured to properly forward multicast packets. This typically involves enabling a feature called IGMP snooping. Also ensure that any firewalls or security software on the application device or network are not blocking sACN multicast traffic on port 5568