

dmXLAN node6x

6-port DMX Ethernet node, with built in 5-port Ethernet switch

Users manual



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6-Port DMX Ethernet node with integrated 5-port Ethernet switch.

Front panel:

The front panel has 3 Ethernet 10/100 MBit ports on Neutrik Ethercon and 6 bi-directional DMX ports (Male or Female on order). Next to the connectors there is a User Interface with a graphical LCD screen and a rotary encoder with push function.

Back panel:

On the back there are 2 RJ45 Ethernet 10/100 MBit ports (ports 4+5) and the Fixed mains lead.

Network 10/100 MBit Ethernet (on Neutrik Ethercon or RJ-45)

The network connection uses a standard UTP network connection.

DMX port 1 – 5 (XLR5 Male or Female)

<i>Pin</i>	<i>Description</i>
1	Ground/Screen
2	Data -
3	Data +
4	-
5	-

The DMX ports 1 to 6 are bidirectional(via programmable setup), have an internal termination resistor and are RDM prepared.

This product may only be used for controlling dimmers and moving lights. Using the product out of these specifications will remove all responsibility from the supplier

Operation

The dmXLAN node6 can be operated in 2 ways.
Either through the front panel or the dmXLAN control software. The software can be downloaded from the website at www.elclighting.com

Control via the front panel.

Main display



In the LAN box, the status of all 5 Ethernet ports is shown.
The DMX box shows the 6 statuses of the ports.

Encoder +/- change the view on the display, to see the ID, IP address, status, software version, etc

Press Encoder Enter the setup menu

Setup Menu



Encoder +/- select one of the setup items:

- Exit Setup
- View DMX
- DMX port 1
- DMX port 2
- DMX port 3
- DMX port 4
- DMX port 5
- DMX port 6
- Set ID
- Network Options
- Backlight

Press Encoder activate the selected option

DMX View menu



With this menu, you can visualize all the DMX channels going in or out of a DMX port.

In select mode:

Encoder +/- select one of the options

- Exit to setup menu
- View DMX, go to the DMX view
- Change the DMX port selection
- Change the DMX view mode

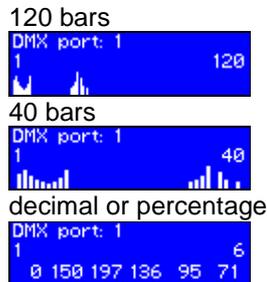
Press Encoder goto Edit mode (edit mode the selection changes to full, see DMX port menu)

In Edit mode:

Encoder +/- change the value of the item

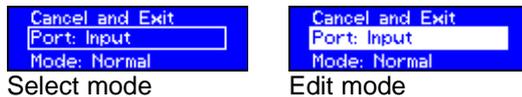
Press Encoder goto Select mode

In View DMX mode, the screen shows the DMX values in the selected mode:



Use the encoder to change the DMX address.
Press the Encoder to go back to the View Menu.

DMX port menu



In select mode:

Encoder +/- select different item
Press Encoder goto Edit mode

In Edit mode:

Encoder +/- change the value of the item
Press Encoder goto Select mode

DMX port as output

When a port is set up as a DMX output, then you can select the working mode of that port. Modes are:

- disabled → the DMX output is disabled
- outzero → the DMX sends out a DMX test signal with all channels at 0%
- single → the output sends out the DMX values of the selected (primary) ArtNet universe. The DMX output is enabled the first time it detects the DMX universe on the network (or internal DMX inputs). If the universe on the network fails, the DMX output will go into DMX hold.
- dual HTP → like single, but merge two DMX universes (primary and secondary) in highest take precedence.
- dual LTP → like dual LTP, like dual HTP but in latest takes precedence (on a channel by channel basis)

DMX port as input

When a port is set up as a DMX input, it can be operation in the following modes.

- disabled → the DMX input does nothing
- normal → any valid DMX is sent onto the network (and internal use) using the selected universe (ArtNet)
- backup → the DMX input will not send data if the selected universe is present on the network. If the selected universe is not present on the network for several seconds and

the input has valid DMX, then it will send DMX data. If another sender starts sending the same universe, the input will go back input backup mode.

Set ID



And ID can be assigned to the unit, if using it with dmXLAN software. The ID can be use full when doing a preprogramming of the network.

Use the encoder in "Select" and "Edit" mode to change the 3 digits of the ID The digits are in hexadecimal (16 possibilities 0-9, A-F). This means you can have upto 4095 different ID's in the system (ID 000 means that the ID is not used ---).

Network Options



Use the "Select" and "Edit" modes to change the values of the IP address and the netmask. For normal art net operation, the netmask should be 255.0.0.0 and the ip address between 2.0.0.1 and 2.254.254.254.

General Information

CE – Product

The dmXLAN node6x permits to the CE requirements set up by the European Community. This can be recognized by this label on the outside of the product.



Technical Specifications:

Power:	85-264 VAC 47-440 Hz 10VA max
Dimensions	200 x 50 x 150 mm
Weight	1.5kg