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eurolite 00136216 DXT PoE Art-Net Node I User Manual

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Contents

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Introduction

Art-Net Interface
Welcome to Eurolite! Your new DXT POE Art-Net Node I is part of Eurolite's DXT series, which consists of high-performance and reliable DMX tools made in Germany. The DXT PoE Art-Net Node I can control up to 512 DMX channel. Power is supplied via the network cable and a central POE Ethernet switch or POE injector. This means that only one cable needs to be laid to the device in the installation Alternatively, a 5V USB port can be used

locally. It provides a Neutrik XLR and etherCON connector. The device can be configured via Art-Net or with a website

Product features
DMX512 connection via 3-pin XLR plug (female)

- etherCON network connection with POE Up to 512 DMX channel input and output
- DMX refresh rate: 40 Hz, 30 Hzor 20 Hz Power supply via 48V POE switch / POE injector (802.3af) or 5V USB-C port
- ArtDMX reception via Broadcast or Unicast Configuration with website or Art-Net
- Available settings: IP address I Subnet mask I Art-Net ShortName / Art-Net LongName / Art-Net Net / Art-Net Subnet / Art-Net Universe and DMX refresh rate and DMX in/out via website Rugged metal body for use on stage
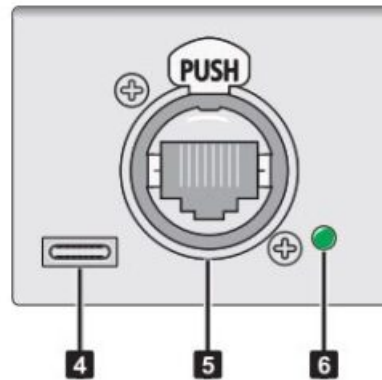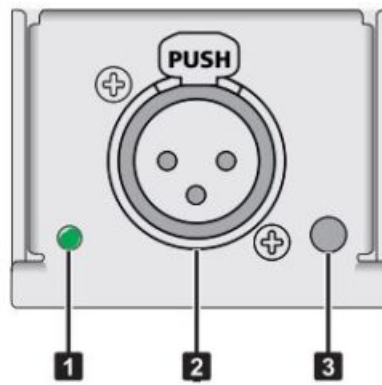- Mounting brackets optionally available (No. 70064875)

Package contents
Remove the product and all the accessories from the packaging. Remove the packaging material and check that all components are complete and undamaged. If you find anything missing or damaged, please contact your dealer.

- OXT PoEArt-Net Node I
- USB cable (NC)
- these instructions

Device overview

1. DMX indicator
   - OMX out
   – Flashing green: output of received ArtOMX packets
   – Flashing orange: OMX hold
   – Lights up red: error
   - OMX in
   – Flashing green: new OMX data received
   – Flashing orange: valid OMX signal, but old data
   – Lights up red: faulty or no OMX signal
2. DMX512 connection

   Here a OMX fixture is connected or a OMX signal source by means of an male-male adapter.
3. Rest button

   To reset to factory settings:

   IP: 192.168.1.20, Subnetz: 255.255.255.0, ArtNet Net: 0,

   ArtNet Subnetz: 0, Universe: 1, OMX Out 40Hz.
4. USB-C port

   As an alternative to the PoE power supply, the device can

   be be supplied with 5V via a USB power source.
5. Ethernet connection

   10/100Base-TX Ethernet connection with PoE.
6. Ethernet indicator
   – Off: no connection
   – Lights up green: Ethernet connection established
   – Flashing Orange: Transmission activity

Getting started

Installation
Setup the device on a plane surface or fasten it with the optional mounting brackets.

Network connection
Connect the device to the LAN port of the computer or to a 48V PoE Ethernet switch (min. 802.3af). At least a Cat-5e cable should be used for this.
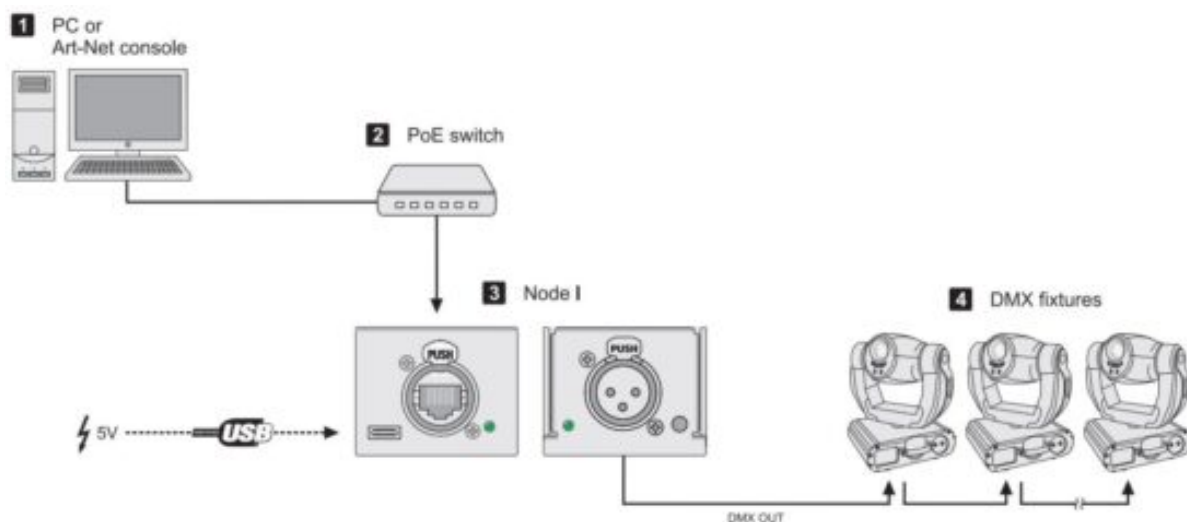
Power supply
The device can be supplied with power via the network connection (PoE switch or injector). Alternatively, a USB power source (5V/1A) can be connected to the USB-C socket. A USB cable is included in the scope of delivery.

DMX connection
Connect your OMX512 devices to the OMX output or use a male-male XLR adapter to connect a OMX signal source. Switching OMX Out/In is done via the website, which is accessible via the IP of PoE Node I (default: 192.168.001. 020).

Applications

Configuration

Website
The configuration website can be accessed with the device IP. The standard IP is 192.168.1.20. If several devices are to be are to be used simultaneously, the IP addresses must be changed. Both devices (node and PC) must be in the same network.

Caution!
The Art-Net Net, Subnet and Universe has a range of O -15. Please note: Some programs use the range 1-16! This is mapped 1 ——> 0 in the node, 2——> 1, and so on.

Network:	
IP Address:	192 .168 .001 .020
Subnet:	255 .255 .255 .000
MAC:	80:1F:12:5A:BC:C7

ArtNet:	
ArtNet Long Name:	Eurolite PoE Art-Net Node I
ArtNet Short Name:	PoE_Node_I_5abcc7
ArtNet Net:	000
ArtNet Subnet:	000

Port 1:	
Universe:	001
Type:	DMX Out 40 Hz ⌄

Website:	
Design:	Light ⌄

Art-Net
With "DMX Workshop" you can configure:

- Art-Net longe name
- Art-Net short name
- Art-Net Net
- Art-Net Subnet
- Art-Net Universe
- IP Address

Specifications

Power supply:	Power over Ethernet IEEE 802.3af (37-56 V DC) or USB (5 V DC)
DMX connector:	3-pin XLR mounting socket
Network connection:	Ethernet TCP/IP via RJ-45 etherCON, 10/100 Mbit/s
USB port:	USB-C
IP address:	192.168.1.20
Dimensions (WxDxH):	78 x 50 x 42 mm
Weight:	350 g

DMX connector pinout

1: Ground
2: Signal (−)
3: Signal (+)

Specifications are subject to change without notice due to product improvements.

Safety warnings

- Please read these operating instructions carefully before using the product. They contain important information for the correct use of your product. Please keep them for future reference.
- Only use the product according to the instructions given herein. Damages due to failure to follow these operating instructions will void the warranty! We do not assume any liability for any resulting damage.
- We do not assume any liability for material and personal damage caused by improper use or non-compliance with the safety instructions. In such cases, the warranty/guarantee will be null and void.

- Unauthorized rebuilds or modifications of the product are not permitted for reasons of safety and render the warranty invalid.
- IMPORTANT: This product is not an outdoor product! Only for indoor use! Do not use this device near water. The recommended temperature range is -5 to +45 °C.
- This product is not a toy. Keep it out of the reach of children and pets. Do not leave packaging material lying around carelessly.
- This unit corresponds to all required directives of the EU and is therefore marked with CE:.

If the unit is to be put out of operation definitively, take it to a local recycling plant for a disposal which is not harmful to the environment. Do not dispose of as municipal waste. Contact your retailer or local authorities for more information.

Support

For product updates, documentation, and support please visit www.eurolite.de. You can find the latest version of this user guide in the product's download section.

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