

eNODE-4

DMX distribution over Ethernet



Overview

Designed to streamline your lighting control installations, this new eDMX node features 4 DMX outputs and PoE (Power over Ethernet) in a compact, DIN-rail form factor. Once configured through the ESA Pro 2 software, eNODE-4 integrates with the DINA-DR1, DR1 LITE and SR1, allowing you to extend the number of DMX outputs through sACN.

nicolaudie.com/enode-4

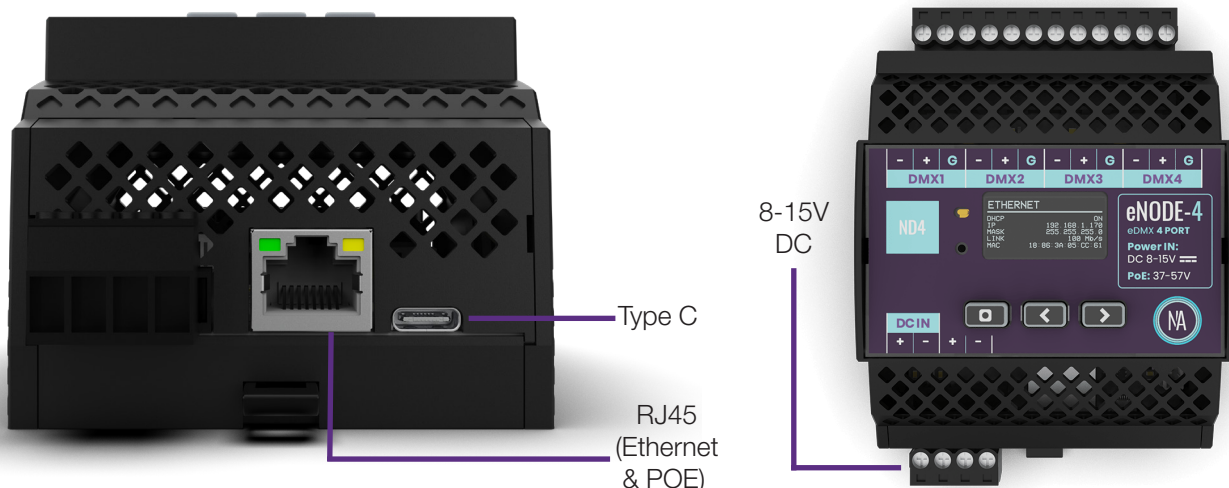
Key Features

- Converts eDMX (sACN) to DMX
- Outputs up to 4 DMX universes
- Ethernet (PoE) connectivity
- DIN-rail form factor
- On-screen device status
- Configure with Hardware Manager and ESA Pro 2.5+ software
- Compatible with DINA-DR1, DR1 LITE & SR1
- sACN support: Unicast only (requires direct target IP address from the controller)

Technical Data

Input Power	PoE / 8-15V DC / USB C
Output Protocol	DMX
Input Protocol	sACN
Programmability	PC, Mac
Connections	USB C / Ethernet / PoE IEEE 802.3 at / af 1 DC power input
Screen	0.96" / 27x27mm Resolution: 128x64
Environment	-10C to 80C / IP20
Dim / Weight	120x80x70mm, 150g
Standards	CE, FCC, RoHS

Connections



DMX distribution over Ethernet		eNODE-4	
Technical datasheet	Revision date 11 September 2026	nicolaudie.com	V 1.0

Installation

1. Mount a DIN Rail or DIN Rail Enclosure to a wall.

2. Connect the wires

Power: Connect Ethernet cable to POE compatible port (IEEE 802.3 af/at) on your router or connect 12V DC power supply to DC IN. The eNODE-4's voltage range is between 8V and 15V. Be sure not to invert the + and -. Optionally, you can connect the power supply using the DINA's power through connection.

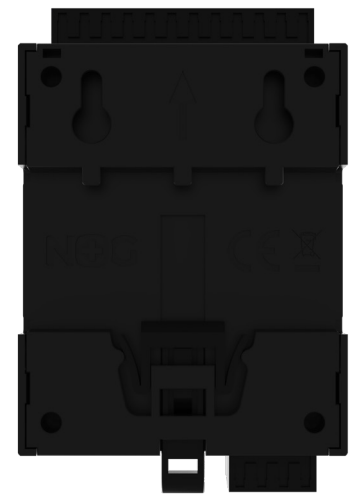
Connection to controller: See Network Connection information below .

3. Clip the eNODE-4 onto the DIN Rail

On the back of the interface housing is a channel designed to accept a DIN Rail with a black plastic clip which secures the interface.

To mount: Slide the mounting teeth behind the top of the rail and then rotate downwards to engage the clip.

To dismount: At the lower edge of the interface you will see a plastic clip. Pull this down to release interface from the rail.



Setting up the eNODE-4

Network connection

Automatic Setup (DHCP) Connect the eNODE-4 to most networks using an Ethernet cable and it will automatically obtain an IP address via DHCP from a router or layer 3 switch.

To confirm success:

1. Press the left arrow button to show the ETHERNET screen
2. Check that DHCP is shown as ON. If DHCP is OFF, use steps 1-4 below & check DHCP.
3. After a short time, check that N/A has changed to a valid IP address. Warning : If the IP address starts with 169.254, DHCP has failed. Check that you have DHCP enabled on your router.

Manual Setup (Static IP) Use this if your network does not have DHCP available or if you want the eNODE-4 to always be at the same IP address. You will require HardwareManager which is installed with your programming software and also available at nicolaudie.com/downloads under Tools.

Plug the eNODE-4 into your computer using a USB cable.

1. Open HardwareManager and wait for it to detect the device.
2. Select the eNODE-4 & navigate to the Ethernet screen.
3. Uncheck the DHCP checkbox and type in your specific network settings: IP Address, Subnet Mask, Gateway (if required), DNS IP Address (if required).
4. Click Send Configuration

Power cycle the eNODE-4 to allow the new network settings to take effect. Use the left arrow button to check the ETHERNET screen to see updated IP address and settings.

Screen

This section is dedicated to the eNODE-4's screen. You can switch between the different tabs by using the three navigation buttons.

The INFOS tab displays the device's serial number and its firmware version.

INFOS

```
ENODE 1A 3800007
ND4-MTP-1
FIRMWARE :
1.01-336ff03
2026-03-02 13:38:16
```

The ETHERNET tab contains the following information: DHCP mode : ON or OFF, IP address, subnet mask, network link speed and MAC address.

ETHERNET

```
DHCP                                ON
IP                                192.168.1.170
MASK                             255.255.255.0
LINK                             100 Mb/s
MAC                             18:86:3A:05:CC:61
```

The OUTPUTS screen shows which of the eNODE-4's outputs are currently sending received data via sACN. Use the < and > buttons to view information about each Output.

OUTPUTS

1	DINA 1B	sACN	0
2	DINA 1B	sACN	0
3	DINA 1B	sACN	0
4	DINA 1B	sACN	0

Each DMX output has its own screen. Here you can see the source DMX controller name & IP address, the priority and the Universe number.

OUTPUT 1 sACN

```
DMX 1                                0
SOURCE                             DINA 1B
                                169.254.188.106
PRIORITY                             100
UNIVERSE                          00001
```

If the eNODE-4 is connected to software, the LIVE screen will display. The screen is locked. This screen displays the model (ENODE 1A), serial number, connection MODE (ETH or USB) and, if connected by network, the computer's IP address.

LIVE

```
ENODE 1A                          3800007
MODE                              ETH
IP                                192.168.1.170
```

