

User Manual



PoeSwitch

4-Port PoE Network Switch

Revision History

Revision	Date	Author(s)	Description
1	04.08.2026	ME	Initial version

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Chapter 1

Safety Precautions

This chapter contains important safety information for the installation, operation, and maintenance of the PoeSwitch. Read these precautions carefully before using the device to ensure safe operation and to prevent damage to equipment or injury to personnel.

Before installing the PoeSwitch, read this manual completely and ensure that all installation personnel are familiar with the product and applicable safety requirements. Verify that the installation environment is suitable for the device and within the specified operating conditions. Disconnect power before making any wiring connections. Do not install or operate the product if it appears damaged. Ensure adequate ventilation around the unit and prevent exposure to moisture, excessive heat, or mechanical stress.

1.1 Indoor Use Only

The PoeSwitch is intended for indoor use only. Do not install or operate the device in environments exposed to rain, moisture, condensation, excessive dust, or direct sunlight. Operating the product outside its specified environmental conditions may result in malfunction, damage, or reduced product lifetime.

1.2 Power Supply Requirements

Only power the PoeSwitch using the approved power sources specified in this manual: a DC power supply within the specified input voltage range. Applying voltages outside the specified limits may damage the device and void the warranty.

1.3 No User-Serviceable Parts



The PoeSwitch contains no user-serviceable parts. Do not attempt to open, disassemble, or repair the device. Opening the enclosure may expose sensitive electronic components and may void the warranty. Repairs must only be carried out by qualified service personnel or the manufacturer.

1.4 Product Modifications



Do not modify the PoeSwitch or its accessories. Unauthorized modifications may impair product performance, compromise safety, invalidate regulatory compliance certifications, and void the warranty.

1.5 Disconnect Power Before Servicing



Always disconnect all power sources and any external DC supply, before installing, wiring, relocating, or servicing the device. Failure to disconnect power may result in equipment damage or unintended operation.

Chapter 2

Introduction

Thank you for choosing the PoeSwitch.

The PoeSwitch is a professional Ethernet switch developed for the demanding requirements of permanent installations. It provides reliable network connectivity while simultaneously supplying Power over Ethernet (PoE) to compatible devices, reducing installation complexity and the need for separate power supplies.



Figure 2.1: PoeSwitch

With one Gigabit uplink and four PoE-enabled network ports, the PoeSwitch is an ideal companion for Visual Productions products such as CueCore®, B-Station, QuadCore and other PoE-powered network devices. Its compact enclosure and silent, fanless operation make it suitable for equipment racks, control cabinets and other professional AV environments.

This manual describes the installation, operation and technical characteristics of the PoeSwitch and provides the information required for safe and reliable operation.

2.1 Compliance

This device complies with the following standards and regulations:

- CE
- UKCA

See the appendix for the associated certificates.

2.2 Features

The feature set of the PoeSwitch includes:

- DIN rail mounting
- Unmanaged network switch
- Plug&play, no configuration required
- 4x 10/100 Mbps PoE ports
- 1x 1000 Mbps uplink port
- IPv4/IPv6 QoS (Quality of Service)
- IEEE 802.3af compliant PD
- 60W PoE budget, 15,4W per port
- 48V DC 60W max. (PSU optional)
- Operating temperature –20 °C to +50 °C (–4 °F to 122 °F)
- Operating relative humidity 10% to 80% non-condensing

2.3 Unpacking

Carefully unpack the PoeSwitch and inspect the contents for any signs of damage that may have occurred during transportation. Verify that all supplied accessories and documentation are present. If any damage is found, do not install or operate the device and contact your supplier immediately. Retain the original packaging materials whenever possible, as they provide the safest means for transporting or storing the product in the future.

2.4 Intended Disposal

At the end of its service life, this product must not be disposed of with household waste. The PoeSwitch contains electronic components that should be collected and recycled in accordance with local regulations for Waste Electrical and Electronic Equipment (WEEE). Please dispose of the product through an authorized recycling facility or return it to an appropriate electronic waste collection point. Proper disposal helps conserve natural resources and prevents potential negative effects on the environment.

2.5 Further help

If you have further questions after reading this manual, please consult the online forum: <https://forum.visualproductions.nl>

Chapter 3

Installation

This chapter discusses how to physically set up the PoeSwitch.

3.1 DIN Rail

The PoeSwitch is designed for DIN rail mounting. The device occupies 6 DIN rail width units (108 mm).



Figure 3.1: DIN Rail mounting

3.2 DC Power

The PoeSwitch needs to be powered via a 48V DC power supply. The input is protected for inverted polarity. The power supply is sold separately.

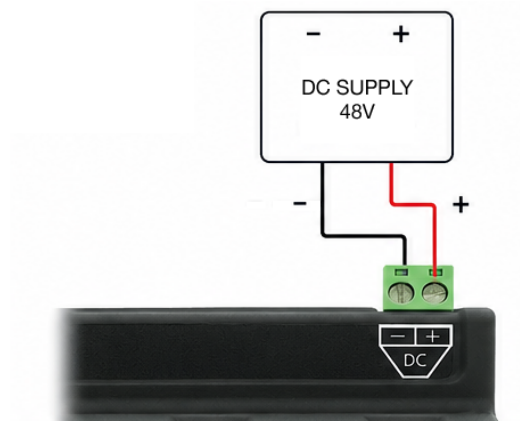


Figure 3.2: DC power

3.3 Status LED

The PoeSwitch is equipped with a single status LED located on the front panel. This LED provides visual feedback about the device's operating state.

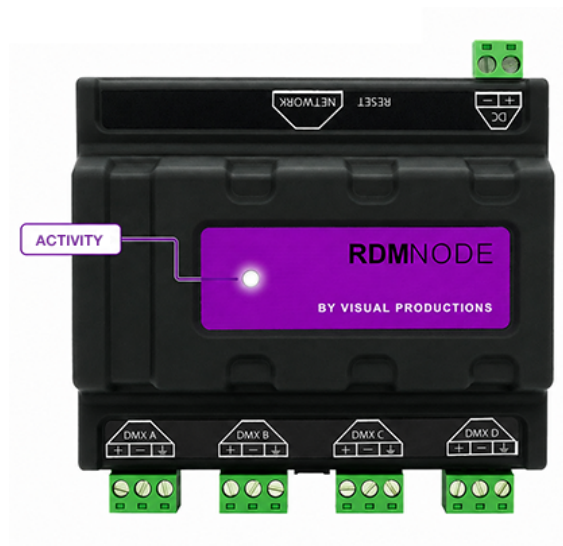


Figure 3.3: Status LED

- **Solid On** -- The PoeSwitch is powered.
- **Flashing** -- Activity on the uplink port.

Appendices

Appendix A

Certifications

This appendix contains the declarations of conformity and regulatory certifications applicable to the PoeSwitch.



EU Declaration of Conformity

We, **Visual Productions BV**, as the manufacturer, hereby declare under our sole responsibility that the following device:

Product Name: PoeSwitch
Product Type: Network Switch

complies with the requirements of the following directives and standards:

Applicable Directives:

- 2014/30/EU – Electromagnetic Compatibility (EMC)
- 2011/65/EU (as amended by 2015/863) – Restriction of Hazardous Substances (RoHS)

Applied Harmonised Standards:

- EN 61000-6-1:2019 – Electromagnetic compatibility (EMC) – Part 6-1: Generic standards – Immunity for residential, commercial, and light-industrial environments
- EN 63000:2018 – Technical documentation for the assessment of electrical and electronic products concerning the restriction of hazardous substances

This declaration is issued under the sole responsibility of the manufacturer, confirming that the object of the declaration complies with the relevant Union harmonisation legislation.

Authorised Representative:

Full name and identification of the person responsible for product quality and compliance with standards on behalf of the manufacturer:

Date: March 28, 2025
Place: Haarlem, The Netherlands



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Visual Productions BV

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