



DIGITAL PATCHING UNIT DPU

Digital Patching Unit for NXAMP Powered TDcontrollers

The ultimate tool for easy connection between the NXAMP powered TDcontrollers and any Nexo speaker in live environment.

DPU mains features

- Intelligent output patch panel offering digital communication with NXAMPs.
- Provide automatic output speakons wiring regarding the configuration of the NXAMP.
- Four individual LCD for easy labeling of the outputs speakons.
- Fully redundant design for maximum safety, including dual power socket and dual universal power supplies.
- Plug and play operation, totally driven by the host NXAMP.

The DPU is an unique tool that will perfectly fit your NXAMPs when used on the road. It offers all the necessary tools to ensure easy patching of the NXAMP power outputs.

World first intelligent output patch

Forget about the classical static output patch panel full of sticky tape and unreadable inscriptions. The DPU communicates directly with the NXAMP and knows which loudspeaker setup is currently running.

It can then automatically route the amplifier's power outputs to the correct output speakon on its front panel, whatever Nexo's speaker is connected, in bridge mode or not.

Ultimately, it offers the possibility to link two NXAMP together on the same output, for systems where more than one amplifier is needed.

Fully redundant design

The DPU is powered through a dual fully certified medical grade power supply system. Any of the two lockable power cords can be unplugged anytime without any drop on the audio signal.

The heavy duty ultra low impedance switching matrix used for audio routing is also implemented using a redundant design, ensuring maximum security.

Zero configuration

Using the DPU is extremely easy ; not only there is nothing to set up, as all routing parameters are automatically configured, but it tests also that all connections to NXAMP are correct.

Usefull display

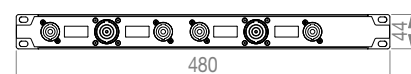
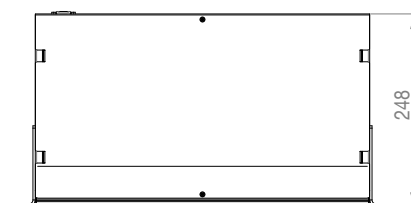
The DPU provides also crucial information when connecting your Nexo speakers to the NXAMP.

When the NXAMP is muted, the four individual LCD display for each output the name of the speaker, its pin-out and the NXAMP inputs in use. When unmuted, the LCD turns into four easy readable output meters.

Part of the NXAMP Universal Rack



Together with the DMU (Digital Meters Unit) and the NXAMP4x4, the DPU is part of the NXAMP Universal Rack, the interchangeable standard of power amplifiers for Nexo systems.



DPU

Digital Patching Unit

Data Sheet

NEXO

DIGITAL PATCHING UNIT DPU

NEXO is one of the world's leading sound reinforcement loudspeaker manufacturers. Founded in 1979, the company is dedicated to crafting practical solutions with solid engineering. Each new design begins with a proprietary sophisticated computer simulation process that allows every parameter to be extensively modeled and simulated, leading to breakthrough cost and performance gains. NEXO's comprehensive product line includes loudspeakers, analogue and digital control electronics and amplification; all designed to deliver consistent sound quality and long term reliability for a broad range of applications.

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ROUTING FEATURES

Routing Matrix	Route any of the four input channels to one or several Speakon pins pairs on the front.
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FRONT PANEL FEATURES

Power outputs	4 Neutrik Speakon-4 and 2 Neutrik Speakon-8.
LCD Displays	4 LCD displays, 2 x 8 characters.

BACK PANEL FEATURES

NXAMP power inputs	2 Neutrik Speakon-4 for connecting the NXAMP Powered TDcontroller.
NXAMP interface	RS232 interface for communication with the NXAMP Powered TDcontroller.
Mains inputs	2 IEC connectors with security latch.

DISPLAYED INFORMATION

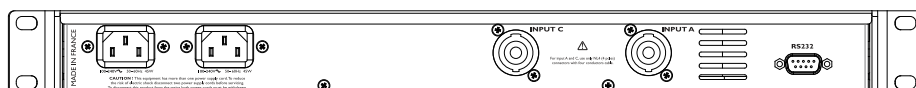
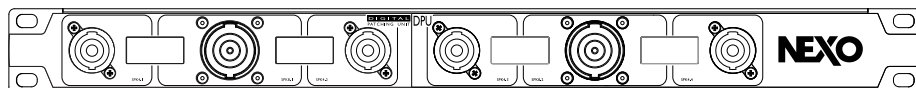
When muted	Connected speaker name, speaker pin-out, connected NXAMP inputs names.
When unmuted	Connected speaker name, output meter.

SPECIFICATIONS

Power supply	Fully redundant, dual universal 100 ~ 240 Volts, 50 or 60 Hz, 25 Watts
Dimensions	1U 19" Rack - 248 mm (10") Depth
Weight	4.7 Kg (10.4 lbs) net
Electrical Safety Certification	cETLus, CB (CE)
EMC Certification	CE, FCC
Green status	Compliant with ROHS and REACH directive

ORDERING INFORMATION

Digital Patching Unit for NXAMP	NX.DPU (1 x DPU, 1 x Quick Start Guide)
Cable Kit for DPU, 100 ~120 Volts	NX.DPU.CK1 (2 x US lockable power cord, 1 x RS232 link, 2 x Speakon link 4x4 mm ²)
Cable Kit for DPU, 220 ~240 Volts	NX.DPU.CK2 (2 x EU lockable power cord, 1 x RS232 link, 2 x Speakon link 4x4 mm ²)



LIMITED WARRANTY

NEXO loudspeakers and electronics are covered against defects in workmanship or materials for a period of two (2) years from the original date of purchase. At the option of NEXO the defective item will be repaired/replaced with no charge for materials/labour. The item is to be adequately packaged and dispatched, pre-paid, to a NEXO authorised distributor/service centre. Unauthorised repair shall void the warranty. The NEXO warranty does not cover cosmetics or finish and does not apply to any items which in NEXO's opinion have failed due to used abuse, accidents, modifications or any type of misuse. All images and text herein are the property of NEXO SA, and deemed accurate, although specifications are subject to change without notice.