



DIGITAL **μNXAMP4x1**
TD CONTROLLER

Powered TD Controller



Live
Events



Corporate &
Public Spaces



Theatres



Clubs



Bars &
Restaurants



Houses of
Worship



Sports
Arenas



Immersive
Audio

nexo-sa.com

Thinking. Inside the box.

NEXO

A
Yamaha
Group
Company

DIGITAL TD CONTROLLER μNXAMP4x1

4 x 1000W of Class-D amplification

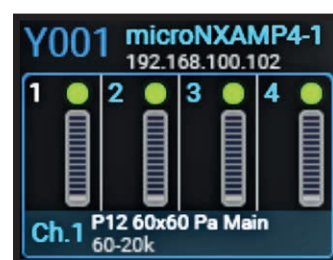
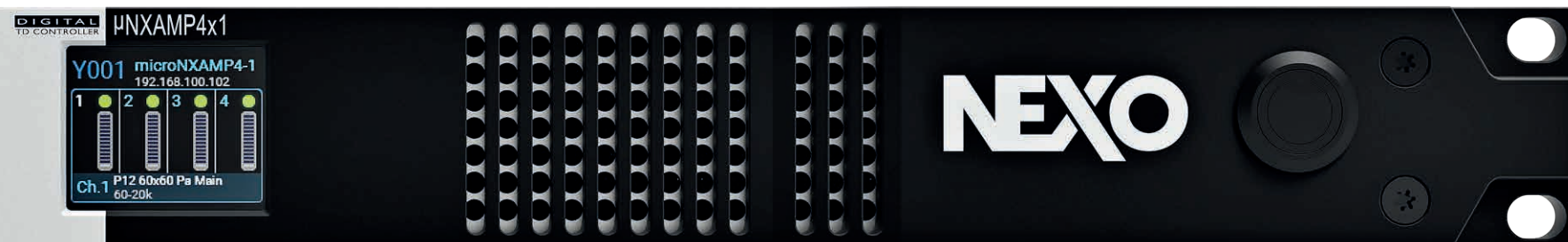
with advanced speaker processing and native Dante™ connectivity



Positioned in power rating between NEXO's nanoNXAMP4 and NXAMPMk2 Powered TD Controllers, the microNXAMP4x1 combines advanced signal processing for all NEXO speakers inherited from the flagship NXAMPMk2 with state-of-the-art four channel Class-D amplifiers, a robust universal power supply with PFC and native Dante™ connectivity.

Available in both touring and fixed installation versions with appropriate connectivity for each, microNXAMP4x1 is the ideal amplification and processing solution for NEXO's P+ Series, helping to make systems configured from this industry-standard point source speaker range even more cost-effective in a wide range of applications.

Housed in a compact and durable 1U rack-mounting case, the microNXAMP4x1 features a 1.8-inch colour TFT on the front panel displaying essential information including level meters, IP address, etc.



Power Sharing

The four high-efficiency Class-D amplifier channels deliver 1000W each into 4 Ohms and can be bridged in series – the classic 'bridge' mode for power amplifiers – and also in parallel to support lower output impedance, or both combining the four channels into a massive 4000W output. These various modes are configurable from the software and do not need external adaptors.

Power Processing

The microNXAMP4x1 features two multicore DSPs inherited directly from NEXO's flagship NXAMPMk2, providing a future-proofed hardware platform, equipped to host new algorithms and run next-generation firmware updates for years to come. NEXO's NeMo remote control software makes all DSP parameters easy to monitor or to set-up (see pages 6/7).

Power Versatility

With its continuous usable mains voltage range from 100 to 240 Volts, the microNXAMP4x1 can be used worldwide and run on all kinds of power generators. PFC (Power Factor Correction) technology ensures power conversion efficiency is always optimised and that the current drawn is smoothed and spike-free to limit stress on the mains network.

Power Saving

microNXAMP4x1 power consumption in stand-by mode conforms with ENERGY STAR certification requirements. A variety of wake-up modes include a network command, audio level detection or front panel button press, ensuring that stand-by power consumption is precisely tailored to the specific requirements of each use case.



4 x 1000W/4 Ohms with Serial/Parallel bridging or both



Four high-end Balanced Analog inputs



Four Dante™ or AES67 inputs



Universal Power Supply 100~240V



Seamless integration with NeMo remote control software

Dedicated versions for touring and fixed installations

Based on the same platform, the microNXAMP4X1 is available in either Touring or Installation versions with appropriate rear-panel connectivity for both applications.

The Touring version features industry-standard XLR connectors for each analog input and speakON 4 connectors for each power amplifier output.

The install version features WAGO connectors (3.5mm pitch for the input / 7.6 mm pitch for the output) with lateral locking levers and Push-in CAGE CLAMP® for toolless connection.

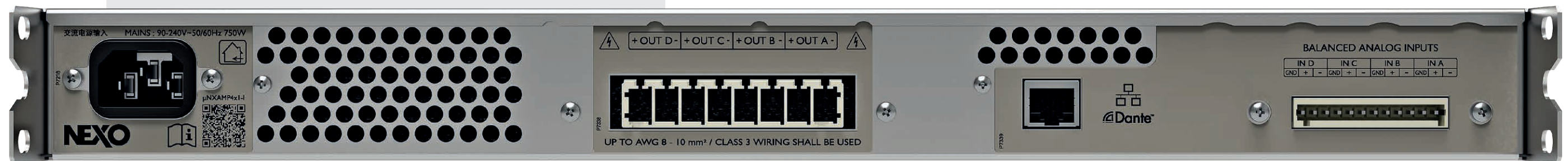


microNXAMP4X1 Touring Version: Rear panel connectors

- Analog audio inputs 4x balanced analog inputs on XLR3
- Power outputs 4x Neutrik speakON NL-4 outputs
- Remote control 1x Ethernet 100 Mb on RJ45 connector
- Digital audio inputs 4x DANTE™ inputs from the remote control RJ45 port
- Mains socket 1x IEC C13 with lockable power cord

microNXAMP4X1 Installation Version: Rear panel connectors

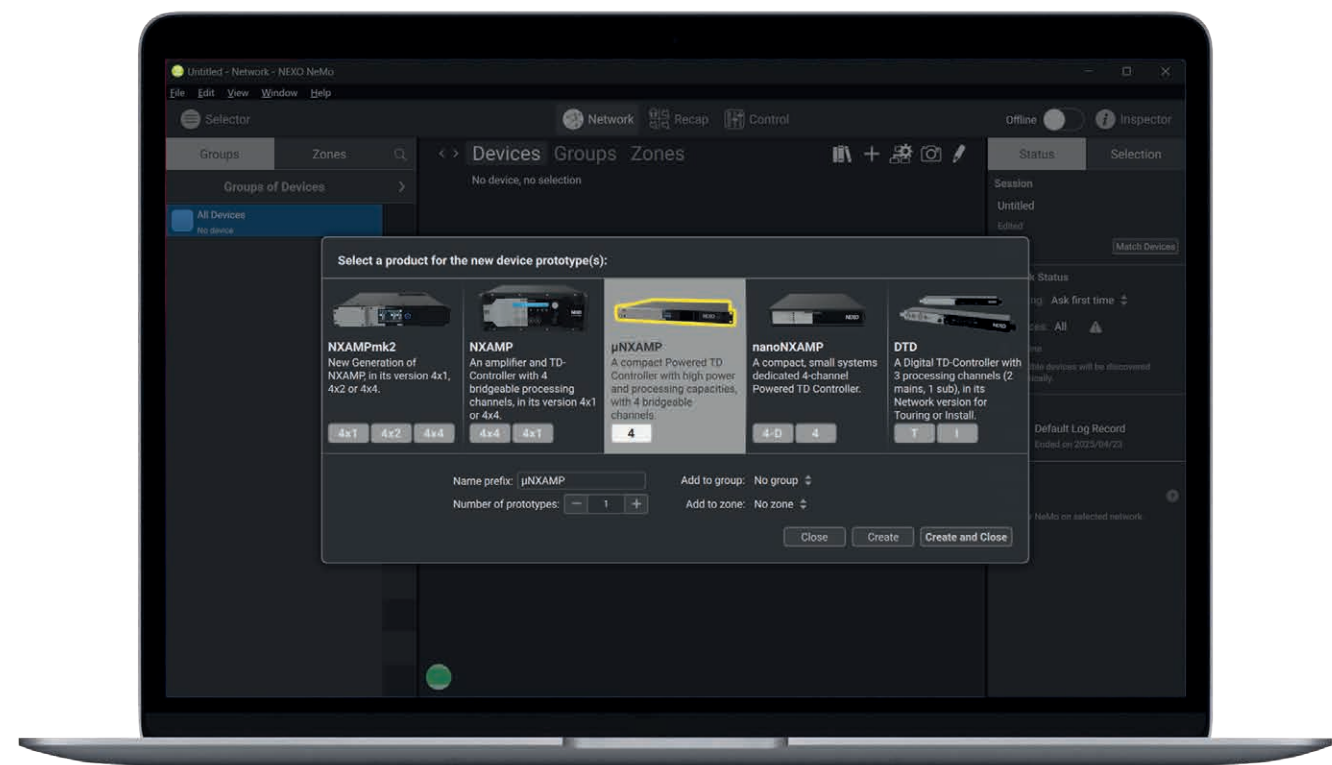
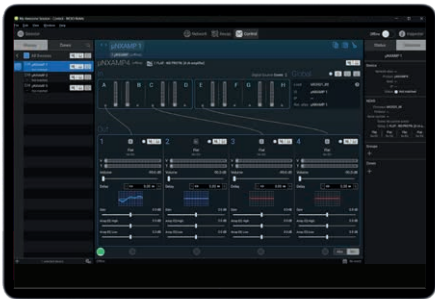
- Analog audio inputs 4x balanced analog inputs on WAGO 2734-1112 with Push-in CAGE CLAMP®
- Power outputs 4x outputs on WAGO 831-1108 with Push-in CAGE CLAMP® (up to 10 mm² cable)
- Mains socket 1x IEC C13 with lockable power cord
- Digital audio inputs 4x DANTE™ inputs from the remote control RJ45 port
- Remote control 1x Ethernet 100 Mb on RJ45 connector



NeMo

Easy setup and monitoring using NeMo remote control app

Available for Windows, macOS and iOS, NeMo is the complete System Management and Remote Control solution for NEXO Powered TD Controllers (NXAMP). A native Ethernet port on the rear panel of the microNXAMP4X1 offers seamless integration with NeMo for the easy configuration of DSP parameters and routing of input channels.



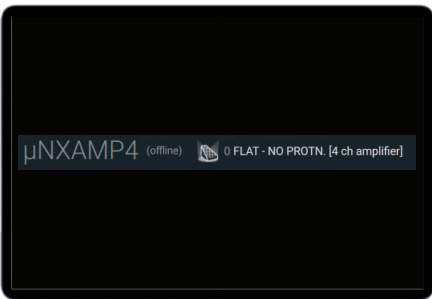
Control View / Overview



Control View / Global Settings



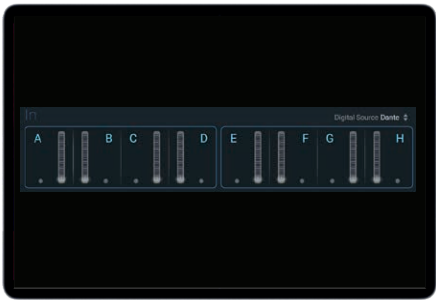
Control View / Preset Selection



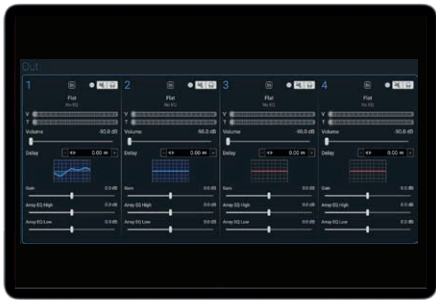
Control View / Preset



Control View / EQ Editing



Control View / Input Channels



Control View / Output Channels

A scalable range of NXAMP amplification and processing solutions



nanoNXAMP4

Available in standard and Dante-equipped versions, the 4-channel nanoNXAMP4 combined amplification and processing solution significantly reduces the cost of NEXO ID and ePS Series systems for retail, hospitality, houses of worship and corporate installations.



microNXAMP4X1

Available in Touring and Install versions, the microNXAMP4X1 provides a cost-efficient, Dante™-equipped amplification and processing solution for NEXO P+ Series point source loudspeaker systems and NEXO line arrays.



NXAMPMk2

Available in 4 X 1300 Watts, 4 X 2500 Watts and 4 X 4500 Watts versions, the NXAMPMk2 combines advanced signal processing with four state-of-the-art Class D amplifiers and optional Dante™ networking to create a flexible, light-weight powering and control solution for NEXO line array systems.

Recommended Powering Solutions

								
 nanoNXAMP4								
 μNXAMP4x1								
 NXAMP4x1								
 NXAMP4x2								
 NXAMP4x4								

Typical Systems

DJ Monitoring

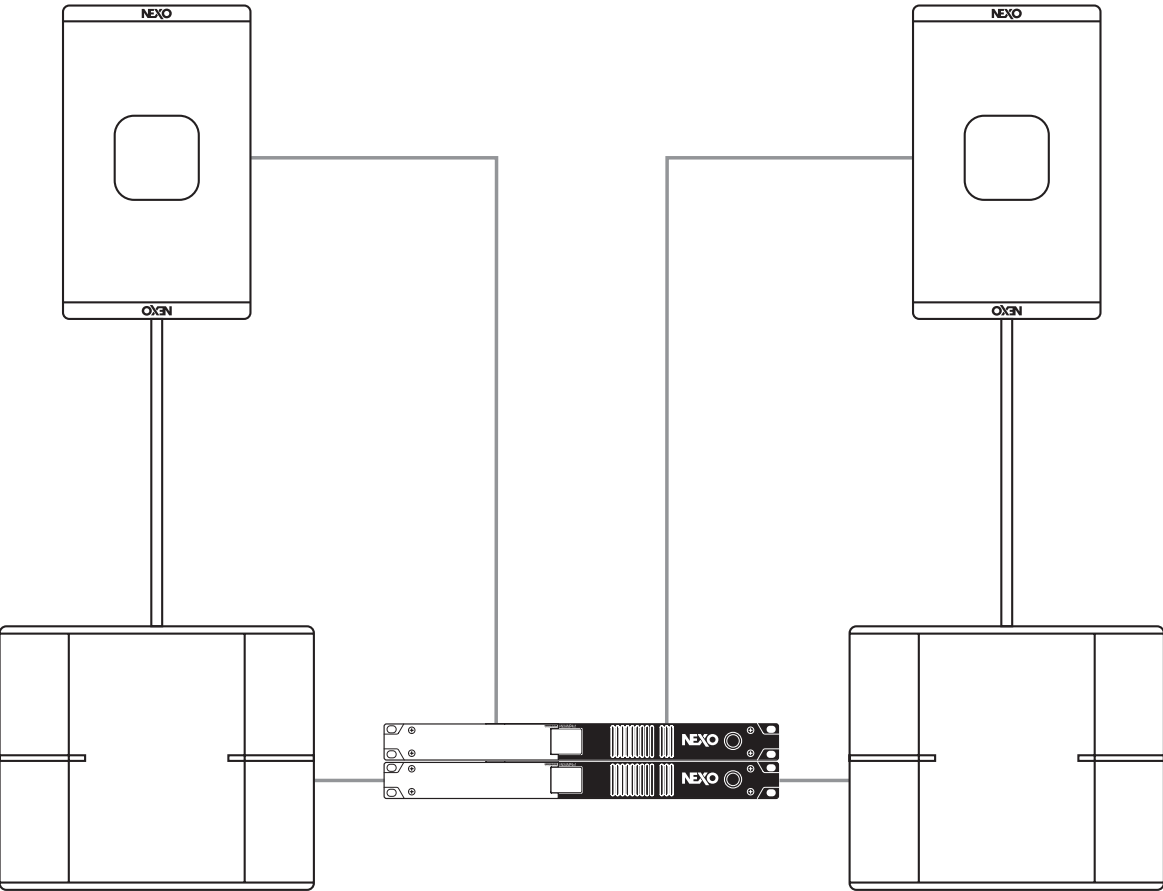
Also a highly effective drum monitor, a P12 on an L15 sub makes for a great DJ monitor and a microNXAMP4X1 is the perfect amplification and processing solution for a stereo system.



Typical Systems

Live Music FOH

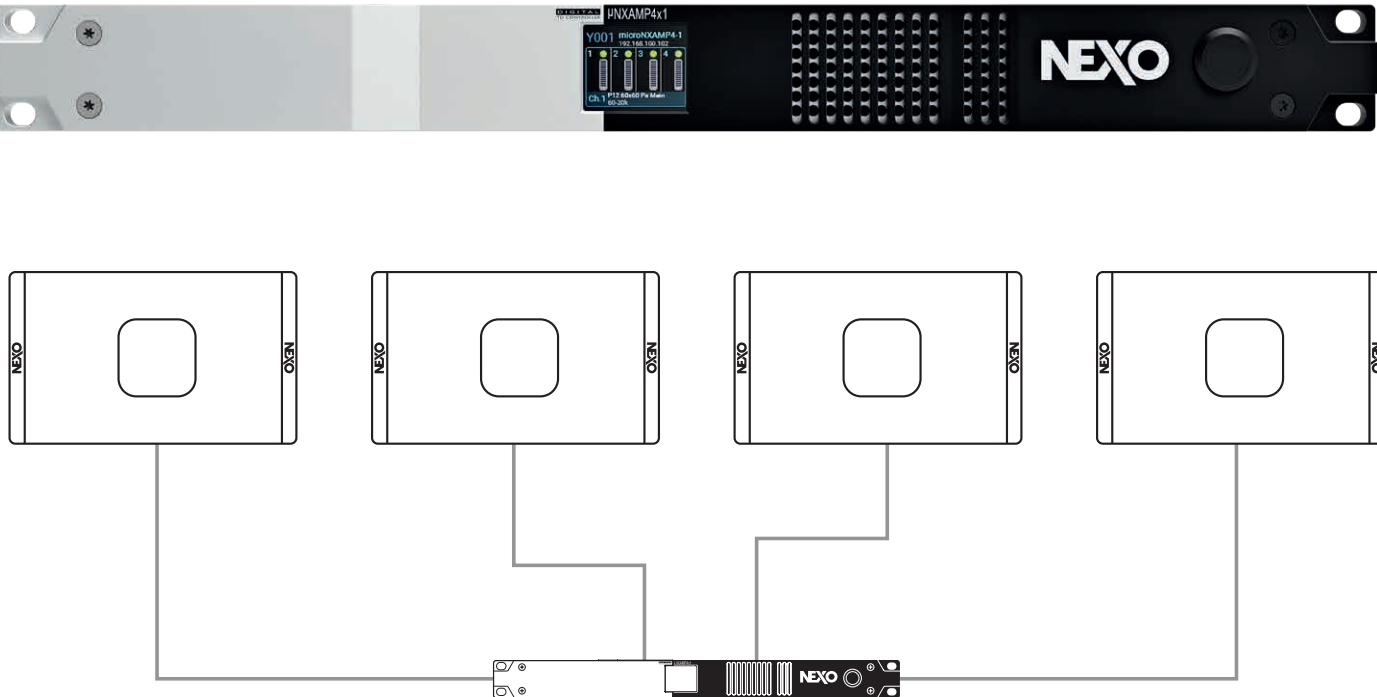
In a small club, a simple P15 / L18 system powered by a microNXAMP4X1 provides a surprisingly powerful FOH system with plenty of throw for a live band mic'ing drums, backline and vocals. Stereo P15 in active mode on one microNXAMP4x1 and Stereo L18 on another microNXAMP4x1 in BTL mode



Typical Systems

Live Music Monitoring

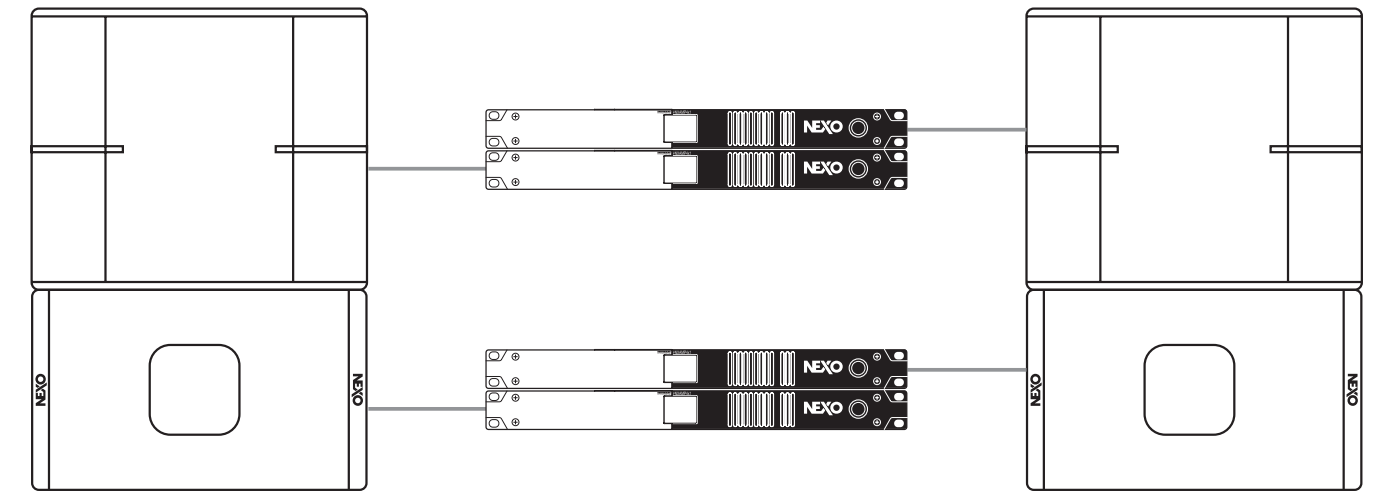
With HF directivity easily changed by a choice of magnetic horn flanges, the P12 has quickly gained a reputation as a highly effective wedge monitor with precision coverage and an absence of feedback issues. The microNXAMP4X1 provides an ideal amplification and processing engine for a 4-box passive P12 stage monitoring solution.



Typical Systems

Active Club System

Being able to bridge the microNXAMP4X1 in Serial, Parallel or Combined modes lies at the heart of this super-powerful system of P18/L20 clusters, with the main cabinets in Active mode for even greater SPL along with reduced distortion and enhanced dispersion around the crossover frequencies.



P12 / P15 / P18 active and passive modes

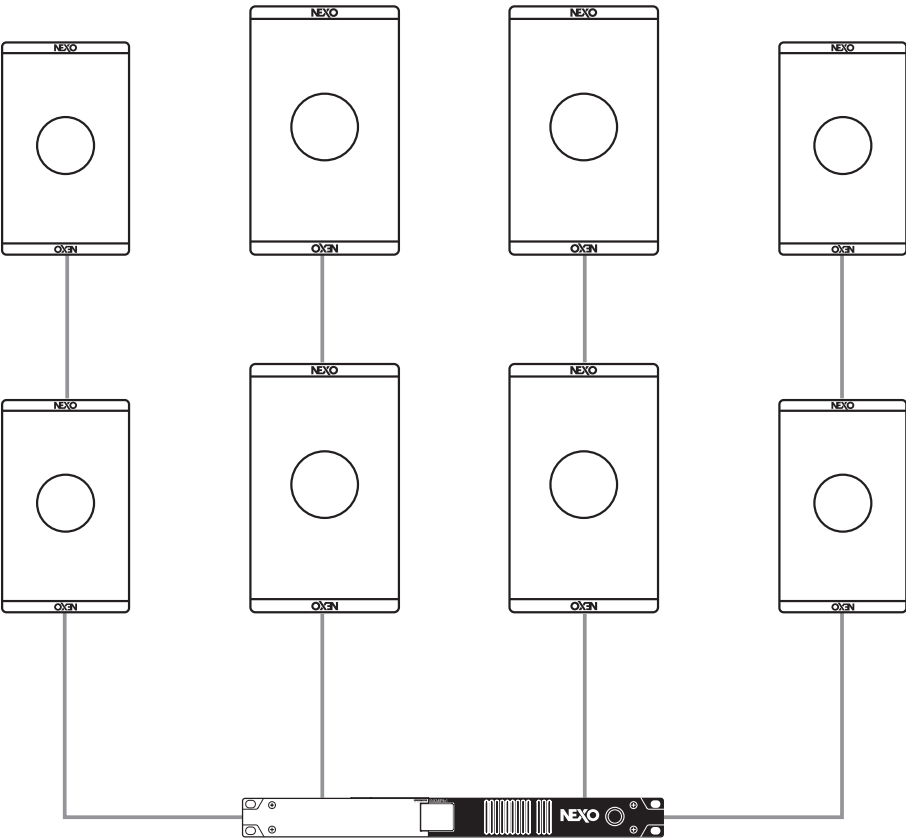
Touring and TIS versions of the P12, P15 and P18 cabinets incorporate an Active/ Passive switch. In Passive mode, a passive circuit filters a single channel of amplification appropriately for the high and low frequency drivers. In active mode, an active crossover filters two independent amplification channels, resulting in even higher SPL performance of 140dB, 141dB and 142dB respectively for the P12, P15 and P18, along with reduced distortion and enhanced dispersion around the crossover frequencies.



Typical Systems

Fixed Installation

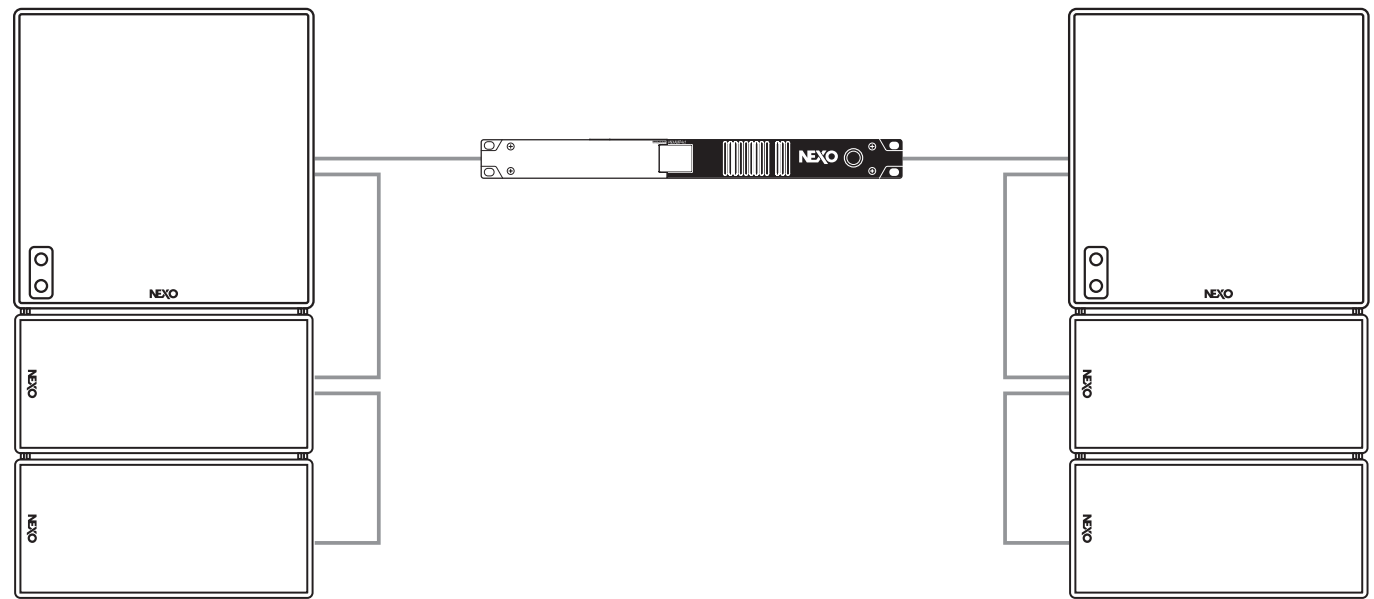
As a powerful, flexible and cost-effective combined amplification and processing solution with all the right connectivity, the dedicated Installation version of the microNXAMP4X1 helps to significantly reduce the overall cost of fixed sound system using NEXO P8 or P10 point source loudspeakers.



Typical Systems

Small Theatre

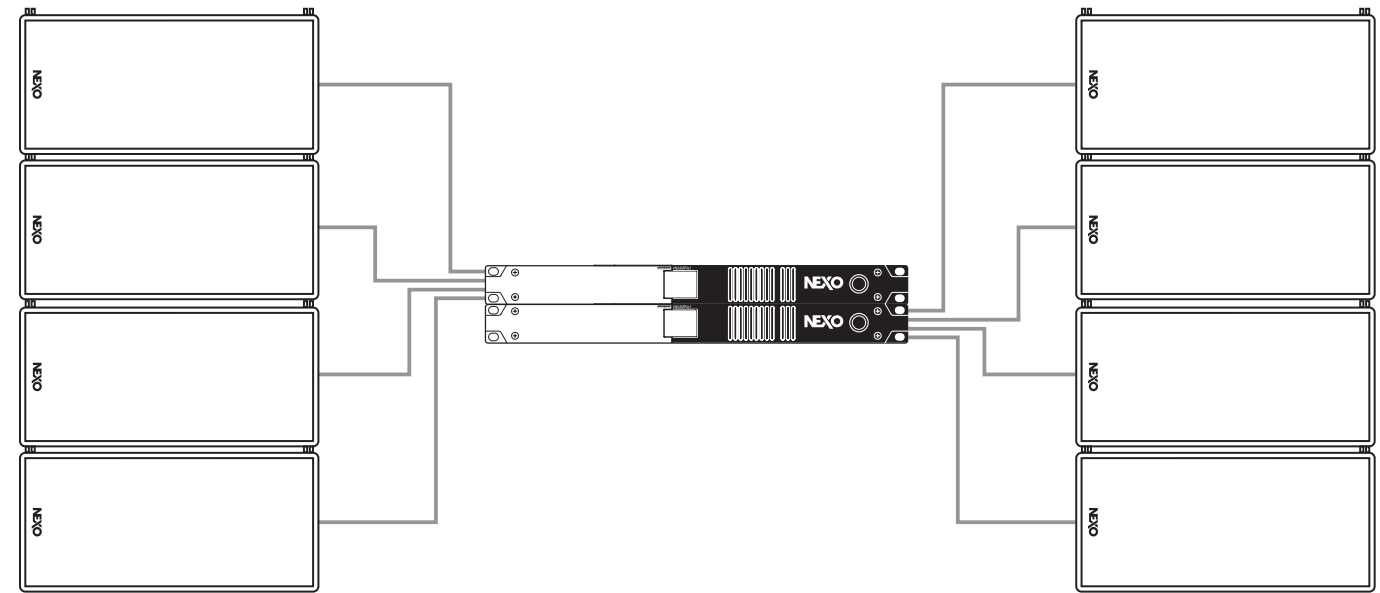
Low power consumption and low fan noise in idle mode make the microNXAMP4X1 an ideal amplification and processing solution for small theatres, in this case powering a stereo FOH system comprising hangs of 2 x ultra compact GEO M6 speakers flown beneath a single MSUB12.



Typical Systems

Mid-size Theatre

In a mid-size theatre, just two microNXAMP4X1s are required to power a potent and versatile line array system comprising left and right hangs of 4 x GEO M10s.

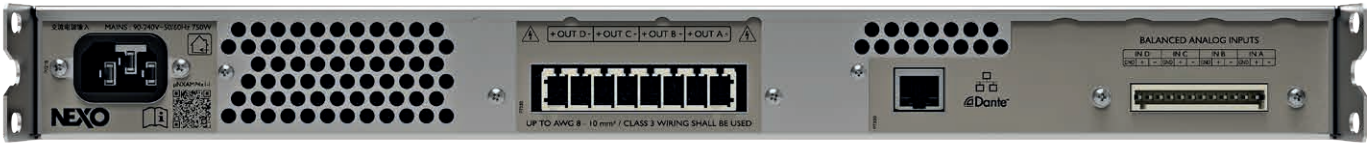


Specifications

POWER SPECIFICATIONS FOR μNXAMP4x1	
Number of channels	4x channels, 2x channels or 1x channel
Max. output voltage (no load)	4x 135 Volts
Max. output power (4 channels mode /8 Ohms load per channel)	4x 750 Watts
Max. output power (4 channels mode /4 Ohms load per channel)	4x 1000 Watts
Max. output power (4 channels mode /2 Ohms load per channel)	4x 750 Watts
Max. output power (2 channels bridge mode /8 Ohms load per channel)	2x 2000 Watts
Max. output power (2 channels bridge mode /4 Ohms load per channel)	2x 1500 Watts
Max. output power (2 channels parallel mode /8 Ohms load per channel)	2x 800 Watts
Max. output power (2 channels parallel mode /4 Ohms load per channel)	2x 1500 Watts
Max. output power (2 channels parallel mode /2 Ohms load per channel)	2x 2000 Watts
Max. output power (1 channel bridge parallel mode /8 Ohms load)	1x 3000 Watts
Max. output power (1 channel bridge parallel mode /4 Ohms load)	1x 4000 Watts
Max. output power (1 channel bridge parallel mode /2 Ohms load)	1x 3000 Watts
Power consumption (Standby)	5 Watts
Power consumption (Idle)	20 Watts
INPUT TO POWER OUT SPECIFICATIONS	
Frequency response	+/-1 dB from 10 Hz to 20 kHz
Input impedance / Input Sensitivity	20 KΩ / +13 dBu
Dynamic range / TDH + N	110 dB unweighted / Typical 0.01% on a flat setup
Latency	580 us on a flat setup
Audio AD and DA Converters	24 bits @ 96 kHz
Processing	2 x multicore 64 bits processing DSPs



BACK PANEL FEATURES (TOURING VERSION)	
Analog audio inputs	4x balanced analog inputs on XLR3
Digital audio inputs	4x DANTETM inputs from the remote control RJ45 port
Power outputs	4x Neutrik Speakon NL-4 outputs
Remote control	1x Ethernet 100 Mb on RJ45 connector
Mains sockets	1x IEC C13 with lockable power cord



BACK PANEL FEATURES (INSTALL VERSION)	
Analog audio inputs	4x balanced analog inputs on WAGO 2734-1112 with Push-in CAGE CLAMP®
Digital audio inputs	4x DANTE™ inputs from the remote control RJ45 port
Power outputs	4x outputs on WAGO 831-1108 with Push-in CAGE CLAMP® (up to 10 mm² cable)
Remote control	1x Ethernet 100 Mb on RJ45 connector
Mains sockets	1x IEC C13 with lockable power cord
USER INTERFACE	
Front panel buttons and knobs	One stand-by power switch with led ring
Display	1.8 inches diagonal color TFT display, resolution 128 x 160
MAINS REQUIREMENTS	
Mains voltage	Universal Power Supply with Active PFC 100 - 240 Volts (50/60 Hz)
Power consumption 1/4 max. 2 Ohms	1200 Watts
DIMENSIONS AND CERTIFICATIONS	
Dimensions	1U 19" Rack, 502 mm (20") depth, 10 kg (22 lbs)
Electrical safety certification	cETLus, CB (CE), CCC, PSE, KC
EMC certification	CE, FCC
Green status	Compliant with ROHS & REACH directive

*Various Stand-by mode can be configured to minimize power consumption depending on use case.

Deployment of NEXO systems should always comply with current control of noise, hearing protection and manual handling legislation, and NEXO products should always be operated in accordance with their accompanying Operating Instructions.

NEXO NS-1 System Configuration software can be used to predict sound pressure levels and coverage of NEXO systems in a specified venue or setting, also certifying that mechanical constraints are satisfied.

NEXO is a founding member of the HELA initiative (Healthy Ears, Limited Annoyance) that aims to transform the live music and events industry by advancing safe, healthy, and sustainable sound practices through education, research, and collaboration.



Scan for more information

DIGITAL UNXAMP4x1
TD CONTROLLER

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