

compact

lightweight

powerful

versatile



## PS8 AMPLIFIER

### PRODUCT FEATURES

Precision circuits engineered for the PS8/LS400 systems permit increased sound pressure and operational reliability

Servo controlled VCEQs provide precise dynamic control without spectral imbalance

Automatically configured 2 or 3 channel modes allow the amplifier's 1700W power capability to be optimised for a variety of system configurations.

Integrated TDController simplifies wiring and provides a precise match to the amplifier.

Comprehensive indicators and controls, inputs and output connectors are all located on the front panel.

Super silent, back to front variable speed fan.

### PS8 SYSTEM APPLICATIONS

Near-field touring or installed PA for clubs, A/V, theatre, broadcast, etc.

High quality stage monitoring for clubs, A/V, theatre, broadcast, etc.

Fill-in system in conjunction with larger Nexo PS/Alpha systems

Anywhere powerful, high quality performance is required adjacent to magnetically sensitive video equipment

PS8's compact size, enormous sound and reconfigurable horn make it the perfect solution for almost any application.



### PS8 System Components

PS8 Loudspeaker

LS400 Subwoofer

PS8 TDController

▶ PS8 Amplifier

The PS8AMP is a dedicated amplifier that allows the PS8 Loudspeaker and optional LS400 Subwoofer to achieve exceptional performance from such compact packages. The integrated PS8 TDController provides crossover, sensed amplifier control and system equalisation optimised for the PS8 and LS400. Like all Nexo processors, the PS8AMP provides precision dynamic, voice coil temperature and diaphragm displacement protection through the use of selective Voltage Controlled Equalisers (VCEQs), reducing levels only at frequencies when and where necessary.

The PS8AMP has two inputs, L and R, and three outputs, L, R and summed LSub out. The PS8AMP Configuration switch automatically configures the unit for 2 channel mode (LSub Off), where the PS8AMP drives 2 to 4 PS8 Loudspeakers in stereo (2x 850 Watts/4 Ohms) or 3 channel mode (Lsub On), where the PS8 AMP drives 2 PS8 Loudspeakers in stereo (2 x 430 Watts/8 Ohms) and 1 LS400 Subwoofer (850W/4 Ohms) with a summed mono signal of the L+R input signals. Since the Configuration switch also rewires the output connectors and displays PS8AMP mode status with LED indicators, the PS8AMP minimises installation cost and complexity while ensuring faultless performance.

The PS8 Loudspeaker System is the latest addition to Nexo's acclaimed PS Series; versatile, compact, full-range loudspeakers tailored for a wide range of touring and installed sound reinforcement applications. Like all Nexo products, the PS8 Loudspeaker and optional LS400 Subwoofer are designed to work with advanced electronic processors, guaranteeing consistent performance and reliability of the highest standard.



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## PS8 AMPLIFIER

## PRODUCT SPECIFICATIONS

Power Rating	LSub Off, 2 channels: 2 x 850W/4 Ohms (2 x PS8 per channel) LSub On, 3 channels: 2 x 430W/8 Ohms, 1 x 850W/4 Ohms (1 x PS8 per channel and 1 x LS400)
S/N Ratio	-100 dB
THD	< 0.05%
Damping Factor	>400:1
Slew Rate	25 V/μS
Input Impedance	36 kOhm (balanced)
Power Supply	115/230 VAC +/-10% 50/60 Hz. Front panel selector.
Audio inputs	Two L&R Audio inputs. Electronically balanced, 36 kOhm. Two XLR-3F connectors and two parallel XLR-3M.
Audio outputs	Two NL4MP SPEAKON 4-pole connectors.
Controls	Stereo L/R Link, Level, LSub Level, Lsub On, Power On.
LED Indicators	Amp Signal, Amp Peak, Speaker Protect VLF, Speaker Protect LF, Speaker protect HF, System Configuration.
Dimensions	3U 19" Rack. 368mm (14.5") Depth
Weight	19 kg (42 lbs) net

## SYSTEM OPERATION

Applicable Products	The PS8AMP is precisely matched to the PS8 & LS400 cabinets and includes the same sophisticated protection systems incorporated in the PS8 TDController. Use of either product without a properly connected AMP/Controller will result in poor sound quality and may damage the components.
LSub Off	In this mode, the PS8AMP is configured to drive two or four PS8s in stereo.
LSub On	In this mode, the PS8AMP is configured to drive two PS8s in stereo and 1 LS400 with a summed mono signal of the L+R input signals.

## SHIPPING &amp; ORDERING

Packaging	PS8AMPs are sold as single items and multiples thereof.
Shipping Weight & Volume	1 x PS.8AMP = 19 kg (42 lbs) 0.073 cu m (2.59 cu ft)
As part of a policy of continual improvement, NEXO reserves the right to change specifications without notice.	



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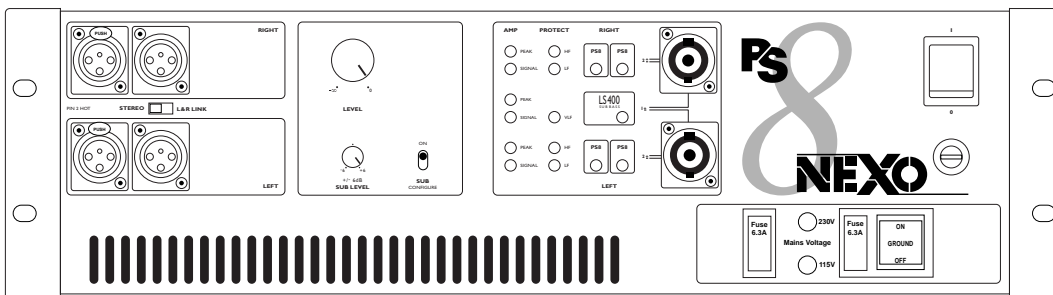
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## LIMITED WARRANTY

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/labor. The item is to be adequately packaged and dispatched, pre-paid, to a Nexo authorized distributor/service center. Unauthorized repair shall void the warranty. This Nexo warranty does not cover cosmetics or finish and does not apply to any items which in Nexo's opinion have failed due to user abuse, accidents, modifications or any type of misuse.

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