

compact

lightweight

powerful

versatile



PS10 AMPLIFIER

PRODUCT FEATURES

Precision circuits engineered for the PS10/LS500 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.

PS10 SYSTEM APPLICATIONS

Touring, installed PA for clubs, A/V, theater, broadcast, etc.

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

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

PS10's compact size, enormous sound and reconfigurable horn make it the perfect solution for almost any application.



PS10 System Components

PS10 Loudspeaker

LS500 Subwoofer

PS10 TDController

▶ PS10 Amplifier

The PS10AMP is a dedicated amplifier that allows the PS10 Loudspeaker and optional LS500 Subwoofer to achieve exceptional performance from such compact packages. The integrated PS10 TDController provides crossover, sensed amplifier control and system equalisation optimised for the PS10 and LS500. Like all Nexo processors, the PS10AMP 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 PS10AMP has two inputs, L and R, and three outputs, L, R and summed LSub out. The PS10AMP Configuration switch automatically configures the unit for 2 channel mode (LSub Off), where the PS10AMP drives 2 to 4 PS10 Loudspeakers in stereo (2x 850 Watts/4 Ohms) or 3 channel mode (Lsub On), where the PS10 AMP drives 2 PS10 Loudspeakers in stereo (2 x 430 Watts/ 8 Ohms) and 1 LS500 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 PS10AMP mode status with LED indicators, the PS10AMP minimises installation cost and complexity while ensuring faultless performance.

The PS10 Loudspeaker System is the foundation of 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 PS10 Loudspeaker and optional LS500 Subwoofer are designed to work with advanced electronic processors, guaranteeing consistent performance and reliability of the highest standard.



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PRODUCT SPECIFICATIONS

| | | |
|-----------------|--|---------------------|
| Power Rating | LSub Off, 2 channels: 2 x 850W/4 Ohms (2 x PS10 per channel) | |
| | LSub On, 3 channels: 2 x 430W/8 Ohms, 1 x 850W/4 Ohms (1 x PS10 per channel and 1 x LS500) | |
| 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 PS10AMP is precisely matched to the PS10 & LS500 cabinets and includes the same sophisticated protection systems incorporated in the PS10 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 PS10AMP is configured to drive two or four PS10s in stereo. | |
| LSub On | In this mode, the PS10AMP is configured to drive two PS10s in stereo and 1 LS500 with a summed mono signal of the L+R input signals. | |

SHIPPING & ORDERING

| | | |
|--|---|--|
| Packaging | PS10AMPs are sold as single items and in multiples thereof. | |
| Shipping Weight & Volume | 1 x PS.10AMP = 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. | | |



PS10 AMPLIFIER

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 modelled and simulated, leading to breakthrough cost and performance gains.

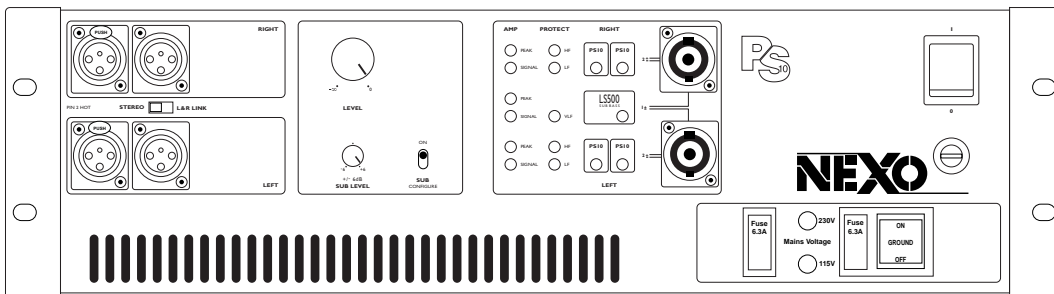
Nexo's comprehensive product line includes loudspeakers, analogue and digital control electronics and amplification; all designed to deliver consistent sound quality and long-term reliability for a broad range of applications. Continuing research drives all new product development to deliver on our promise; **Sonic Innovation That Works.**

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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.

