

compact

lightweight

powerful

versatile



PS10 LOUDSPEAKER

PRODUCT FEATURES

High power system (127dB Peak SPL @ 1m) with 10" LF and 1" HF drivers.

Rotatable asymmetrical horn and unique cabinet architecture ensure versatility; user adaptable for both PA and stage monitoring applications.

Two-way passive 8 Ohm design uses a single amplifier channel for simpler installation and lower cost.

Sophisticated control electronics ensure reliable, linear operation.

Supported with a full range of mounting and flying accessories.

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 System Components

- ▶ PS10 Loudspeaker
- LS500 Subwoofer
- PS10 TDC Controller
- PS10 Amplifier

The PS10 Loudspeaker can be safely driven with over 500 Watts of amplifier power, yet it is only half the weight and volume of standard trapezoidal systems. The dispersion, architecture and weight balance of the PS10 Loudspeaker are designed to provide both exceptional PA and stage monitor performance from a single product without compromise. This flexibility is realized by a proprietary constant directivity asymmetrical dispersion horn, easily rotated in four positions by the user. Coupled with the horn's unique progressive horizontal (50° to 100°) and vertical (55°) dispersion, the most suitable pattern can be selected for vertical or horizontal PA usage or wedge monitoring. The 2-way passive 8 Ohm design uses a single amplifier channel to deliver bi-amped performance for less money, space and complexity.

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.

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



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Components : LF	1 x 10" (25 cm) 8 Ohm driver
HF	1 x 1" throat driver + Low Distortion, Constant Directivity Asymmetrical Dispersion Horn.
Height x Width x Depth	515 x 316 x 277 mm (20.25" x 12.5" x 10.88")
Weight	15 kg (33 lbs)
Connectors	2 x NL4MP SPEAKON 4 pole
Construction	Baltic Birch Ply finished with textured, polyurethane black coating
Fittings: Handles	2, integral to cabinet
Front finish	Acoustic foam on perforated steel grille (77% transparent)
Flying Points & Fixed Installation	1 steel anchor point for flying track on top (6 positions) 2 steel anchor plates for flying track on bottom (1 position)
Stand fittings	Built in Stand Fitting, 35mm (1 3/8")

SYSTEM SPECIFICATIONS PS10 with PS10 TDController

Frequency Response [a]	65 Hz - 20 kHz \pm 3dB (40 Hz - 20 kHz \pm 3dB with LS500 Subwoofer)
Usable Range @-6dB [a]	58 Hz - 21 kHz (38 Hz - 21 kHz with LS500 Subwoofer)
Sensitivity 1W @ 1m [b]	98 dB SPL Nominal - 96 dB SPL Wideband
Nominal Peak SPL @ 1m [b]	124 to 127dB Peak (for 200 to 500 W RMS Amp.)
HF Dispersion [c]	50° to 100° Hor. x 55° Vert. Rotatable Horn, 4 positions
Directivity : Q & DI [c]	Q : 16 Nominal DI : 12 dB Nominal (f > 3 kHz)
Crossover Frequencies	2 kHz Passive
Nominal Impedance	8 Ohms
Recommended Amplifiers	200 to 500 Watts into 8 Ohms for 1 x PS10; 400 to 1000 Watts into 4 Ohms for 2 x PS10 per channel

SYSTEM OPERATION

Electronic Controller	The PS10 Loudspeaker must be used with a Nexo Controller (PS10 TD analogue, NX241 digital or PS10AMP integrated power amplifier). Use without a properly connected Controller will result in poor sound quality and may damage the components.
Dispersion configuration	After removing the quick-release front grille, the HF Horn can be rotated to one of 4 positions for dispersion configuration.
Subbass	The PS10 Loudspeaker can be used with or without the optional LS500 Subwoofer. Active two-way operation with the LS500 is included in the PS10TD, NX241 or PS10AMP. One LS500 matches 2 x PS10, additional LS500 may be used for enhanced effect.
Speaker Cables	The PS10 is wired 2- & 2+ on Speakon connectors, LS500 on 1- & 1+. Loop through Speakons are present on both products. Single identical cables can thus be used to loop through combinations of up to 2 x PS10 & 1 x LS500 in no particular order.

SHIPPING & ORDERING

Packaging	PS10s are sold as single items and in multiples thereof.
Shipping Weight & Volume	2 x PS.10U = 34 kg (75.1 lbs) 0.169 cu m (5.96 cu ft).
Accessories	A full selection of mounting Accessories is available, please contact your Nexo Agent for details.

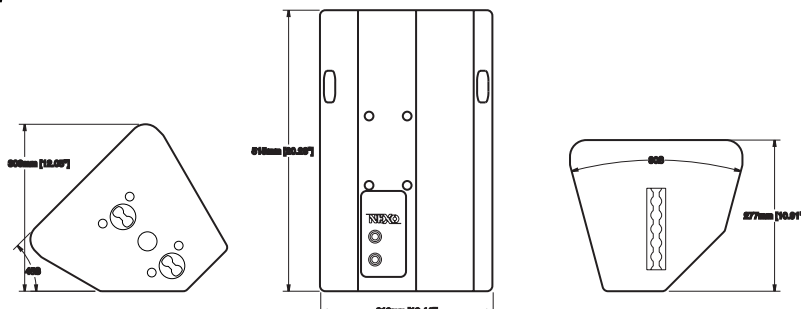
As part of a policy of continual improvement, NEXO reserves the right to change specifications without notice.

[a] Response curves & data : Anechoic Far Field for the PS10 + PS10TD. Half-Space Anechoic radiation for the LS500 + PS10TD.

[b] Sensitivity & Peak SPL data : these will depend on spectral distribution and crest factor of program material. Measured with band limited Pink Noise. Nominal refers to Voice Decade (300 Hz - 3 kHz), Wideband to the specified \pm 3dB range. Data are for speaker + processor + recommended amplifier combinations. Peak SPL is at clipping of recommended amplifier.

[c] Directivity curves & data : obtained by computer treatment on off axis response curves.

 approved product



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.

www.nexo-sa.com

PS10 LOUDSPEAKER

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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