

compact

lightweight

powerful

versatile



## PS15 LOUDSPEAKER

### PRODUCT FEATURES

High power system (134dB Peak SPL @ 1m) with 15" LF and 2" HF drivers.

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

Two-way, switchable passive or active design for precise performance matching to user requirements.

Sophisticated control electronics ensure reliable, linear operation.

Supported with a full range of mounting and flying accessories.

### PS15 SYSTEM APPLICATIONS

High power touring, installed PA for clubs, A/V, theater, broadcast, etc.

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

Fill-in system in conjunction with Nexo Alpha systems.

PS15's flexible architecture, high power handling and reconfigurable horn make it the perfect solution for almost any application.



675 mm  
26.63"

### PS15 System Components

▶ PS15 Loudspeaker

LS1200 Subwoofer

PS15 Bass

PS15 TDContoller

The PS15 Loudspeaker can be safely driven with over 1000 Watts of amplifier power, yet it has a small volume and reduced weight. The dispersion, architecture and weight balance of the PS15 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 PS15 Loudspeaker System is the most powerful member 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 PS15 Loudspeaker and optional PS15Bass and LS1200 Subwoofer are designed to work with advanced electronic processors, guaranteeing consistent performance and reliability of the highest standard.



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PS  
15

## PRODUCT FEATURES

|                        |  |
|------------------------|--|
| Components : LF        | 1 x 15" (38 cm) 6 Ohm driver   |
| HF                     | 1 x 2" throat, 3" titanium diaphragm, driver + Low Distortion, Constant Directivity Asymmetrical Dispersion Horn.            |
| Height x Width x Depth | 675 x 434 x 368 mm (26.63 "x 17.13"x 14.5")  |
| Weight                 | 29 kg (64 lbs)   |
| Connectors             | 3 x NL4MP SPEAKON 4 pole; Passive In Passive Loop Thru, Active In  |
| 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          | 1 steel anchor point for flying track on top (9 positions)<br>2 steel anchor plates for flying track on bottom (3 positions) |
| Stand fittings         | Built in Stand Fitting, 35mm (1 3/8")  |
| Fixed Installation     | One set of 4 fixing points (Omnimount 100 Std spacing)   |

## SYSTEM SPECIFICATIONS PS15 with PS15 TDController MkII

|                           |   |
|---------------------------|---|
| Frequency Response [a]    | 50 Hz - 18 kHz $\pm 3$ dB (30 Hz - 19 kHz $\pm 3$ dB with LS1200 Subwoofer)                         |
| Usable Range @-6dB [a]    | 47 Hz - 18 kHz (29 Hz - 18 kHz with LS1200 Subwoofer)   |
| Sensitivity 1W @ 1m [b]   | 102 dB SPL Nominal - 99 dB SPL Wideband   |
| Nominal Peak SPL @ 1m [b] | 131 to 134 dB Peak (for 550 to 1200 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 > 1.5 kHz )   |
| Crossover Frequencies     | 900 Hz Passive or Active (internally switchable)  |
| Nominal Impedance         | Passive: 8 Ohms Active: LF 6 Ohms, HF 8 Ohms.   |
| Recommended Amplifiers    | 550 to 1200 Watts into 8 Ohms for 1 x PS15; 1000 to 1800 Watts into 4 Ohms for 2 x PS15 per channel |

## SYSTEM OPERATION

|                          |  |
|--------------------------|--|
| Electronic Controller    | The PS15 Loudspeaker must be used with a Nexo Controller (PS15 TD MkII analogue or NX241 digital). 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 PS15 Loudspeaker can be used with or without the optional LS1200 Subwoofer. Active two-way operation with the LS1200 is included in the PS15TD MkII, or NX241.   |
| Speaker Cables           | The PS15 is wired 2- & 2+ on Passive Input Speakon connectors, LS1200 on 1- & 1+. Loop through Speakons are present on both products. Single identical cables can thus be used to loop through combinations of Passive PS15 & LS1200 in no particular order. |

## SHIPPING &amp; ORDERING

|                          |  |
|--------------------------|--|
| Packaging                | PS15s are sold as single items and in multiples thereof.   |
| Shipping Weight & Volume | PS.15U = 32 kg (70 lbs) 0.2 cu m (7 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 PS15 + PS15TD MkII. Half-Space Anechoic radiation for the LS1200 + PS15TD MkII.

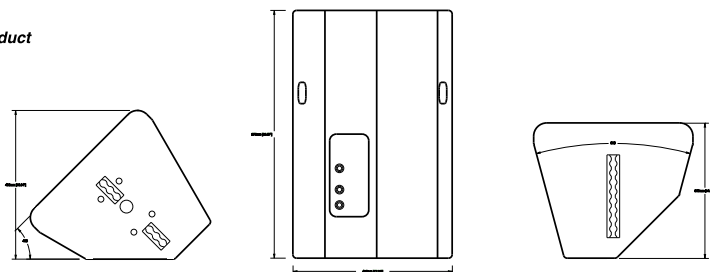
[b] Sensitivity & Peak SPL data : these will depend on spectral distribution and crest factor of program material. Measured with band limited Pink Noise.

Nominal refers to Voice Decade (300 Hz - 3 kHz), Wideband to the specified  $\pm 3$ dB range. Data are for speaker + processor + recommended amplifier combinations. Peak SPL is at clipping of recommended amplifier. Measurements are made with PS15 in passive mode.

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

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CE 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 have failed due to user abuse, accidents, modifications or any type of misuse.

www.nexo-sa.com

## PS15 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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