

compact

lightweight

powerful

versatile



## LS400 SUBWOOFER



### PRODUCT FEATURES

High power system (131dB Peak SPL @ 1m) with 12" VLF low magnetic emission Neodymium driver for light weight (14.6 kg, 32 lbs) and negligible magnetic leakage.

VLF extension (to 40Hz) of PS8 Loudspeakers.

Sophisticated control electronics ensure reliable, linear operation.

Integral pole mount that supports 1 or 2 PS8 Loudspeakers.

### PS8 SYSTEM APPLICATIONS

Near-field 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.

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

### PS8 System Components

PS8 Loudspeaker

▶ LS400 Subwoofer

PS8 TDController

PS8 Amplifier

The LS400 Subwoofer extends the usable range of the PS8 Loudspeaker to 40Hz, providing high performance and high power output (131dB Peak) in an extremely compact, light weight package. The new Nexo designed shielded Neodymium 12" driver makes the LS400 usable next to sensitive video equipment. The PS8 TDController's integral sub section and combined signal (PS8 and LS400) Speakon wiring ensure cost effective and simple system implementation. One LS400 is typically used with 2 PS8 loudspeakers, additional units may be used for an enhanced effect.

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.

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



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### PRODUCT FEATURES

|                        |  |
|------------------------|--|
| Components : VLF       | 1 x 12" ( 30cm ) Shielded Neodymium long excursion 6 Ohm driver                    |
| Height x Width x Depth | 338 x 500 x 406 mm (13 1/4"x 19 5/8"x 16")   |
| Weight                 | 14.6 kg (32 lbs) net   |
| Connectors             | 2 x NL4MP SPEAKON 4 pole   |
| Construction           | Baltic Birch Ply & textured, polyurethane black coating                            |
| Fittings: Handles      | 2, integral to cabinet   |
| Stand fittings         | Internal Stand Fitting on Top (35mm, 1"3/8) accepts a mast supporting 1 or 2 PS8s. |

### SYSTEM SPECIFICATIONS LS400 with PS8 TDController

|                           |  |
|---------------------------|--|
| Frequency Response [a]    | 43 Hz - 120 Hz $\pm$ 3dB                   |
| Usable Range @-6dB [a]    | 40 Hz - 140 Hz                             |
| Sensitivity 1W @ 1m [b]   | 99 dB SPL Nominal                          |
| Nominal Peak SPL @ 1m [b] | 128 to 131 dB Peak (300 to 700 W RMS Amp.) |
| Crossover Frequencies     | 120 Hz Active through PS8TD                |
| Nominal Impedance         | 6 Ohms                                     |
| Recommended Amplifiers    | 300 to 700 Watts into 4 Ohms               |

### SYSTEM OPERATION

|                       |  |
|-----------------------|--|
| Electronic Controller | The LS400 Subwoofer must be used with a Nexo Controller (PS8 TD analogue, NX241 digital or PS8AMP integrated power amplifier). Use without a properly connected Controller will result in poor sound quality and may damage the components.      |
| Subbass               | The LS400 Subwoofer provides optional VLF extension for PS8 Loudspeakers. Active two-way operation with the PS8 is included in the PS8TD, NX241 or PS8AMP. One LS400 matches 2 x PS8, additional LS400 may be used for enhanced effect.          |
| Speaker Cables        | The PS8 is wired 2- & 2+ on Speakon connectors, LS400 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 PS8 & 1 x LS400 in no particular order. |

### SHIPPING & ORDERING

|                          |   |
|--------------------------|---|
| Packaging                | LS400s are sold as single items or multiples thereof. |
| Shipping Weight & Volume | 1 x LS.400 = 17.1 kg (38 lbs) 0.130 cu m (4.59 cu ft) |

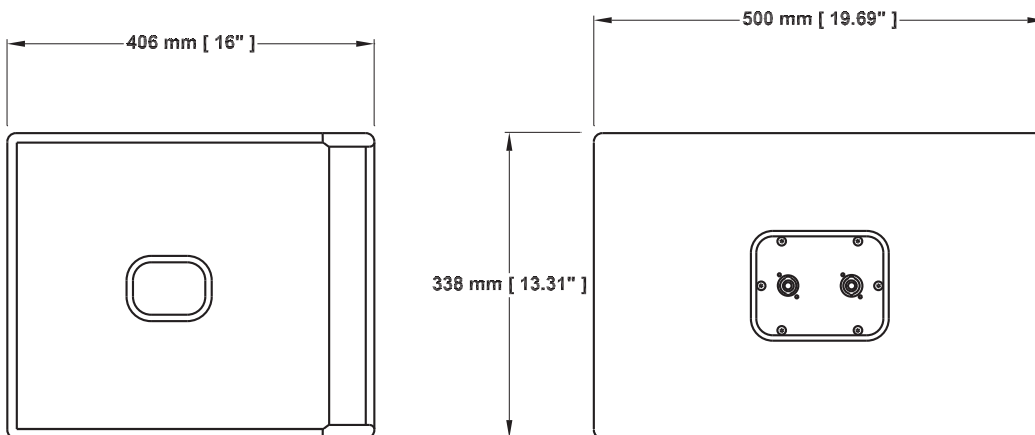
As part of a policy of continual improvement, NEXO reserves the right to change specifications without notice.

[a] Response curves & data : Anechoic Far Field for the PS8 + PS8TD. Half-Space Anechoic radiation for the LS400 + PS8TD.

[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.

approved product



**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.

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