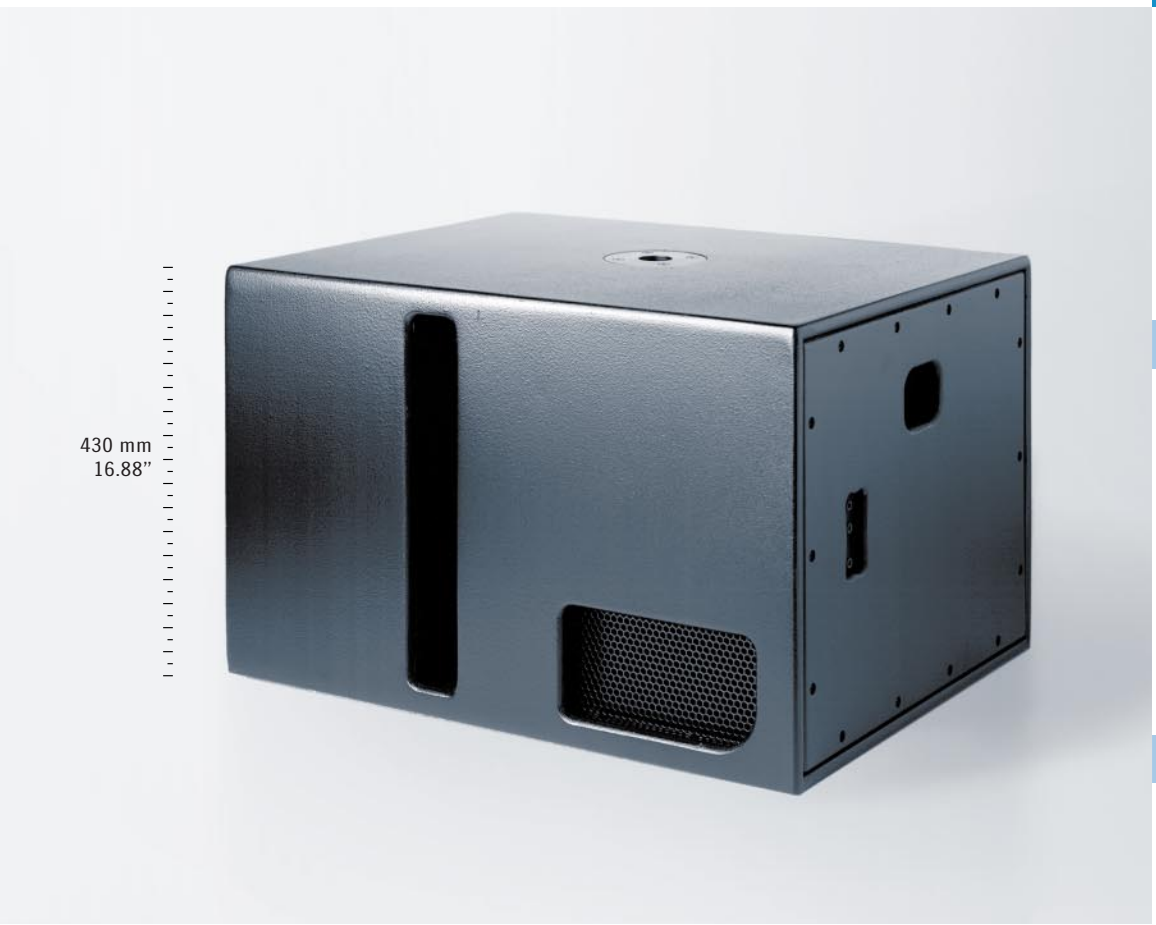
compact lightweight powerful versatile

LS500 SUBWOOFER



PRODUCT FEATURES

High power system (134dB Peak SPL @ 1m) with 15” VLF long excursion driver.

VLF extension (to 38Hz) of PS10 Loudspeakers.

Sophisticated control electronics ensure reliable, linear operation.

Integral pole mount that supports 1 or 2 PS10 Loudspeakers.

PS 10 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 TDContoller
- PS10 Amplifier

The LS500 Subwoofer extends the usable range of the PS10 Loudspeaker to 38 Hz, providing high performance and high power output (134 dB Peak) in an extremely compact, light weight package. The PS10 TDController’s integral sub section and combined signal (PS10 and LS500) Speakon wiring ensure cost effective and simple system implementation. One LS500 is typically used with 2 PS10 loudspeakers, additional units may be used for an enhanced effect.

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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PRODUCT FEATURES	
Components : VLF	1 x 15" (38cm) long excursion 4 Ohm driver
Height x Width x Depth	430 x 689 x 528 mm (16.88 x 27.13 x 20.75")
Weight	33 kg (73 lbs) net
Connectors	2 x NL4MP SPEAKON 4 pole
Construction	Baltic Birch Ply & textured, polyurethane black coating
Fittings: Handles	2, integral to cabinet
Front finish	Perforated steel grilles
Flying Points	3 steel anchor points for flying tracks on side and back
Stand fittings	Internal Stand Fitting on Top (35mm, 1"3/8) accepts a mast supporting 1 or 2 PS10s.

SYSTEM SPECIFICATIONS	LS500 with PS10 TD Controller
Frequency Response [a]	43 Hz - 110 Hz ±3dB
Usable Range @-6dB [a]	38 Hz - 120 Hz
Sensitivity 1W @ 1m [b]	101 dB SPL Nominal
Nominal Peak SPL @ 1m [b]	131 to 134 dB Peak (300 to 800 W RMS Amp.)
Crossover Frequencies	120 Hz Active through PS10TD
Nominal Impedance	4 Ohms
Recommended Amplifiers	300 to 800 Watts into 4 Ohms

SYSTEM OPERATION	
Electronic Controller	The LS500 Subwoofer 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.
Subbass	The LS500 Subwoofer provides optional VLF extension for PS10 Loudspeakers. Active two-way operation with the PS10 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.As part of a policy of continual improvement, NEXO reserves the right to change specifications without notice.

SHIPPING & ORDERING	
Packaging	LS500s are sold as single items and in multiples thereof.
Shipping Weight & Volume	1 x LS.500 = 28 kg (62 lbs) 0.238 cu m (8.41 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 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 ±3dB range. Data are for speaker + processor + recommended amplifier combinations. Peak SPL is at clipping of recommended 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.

CE approved product

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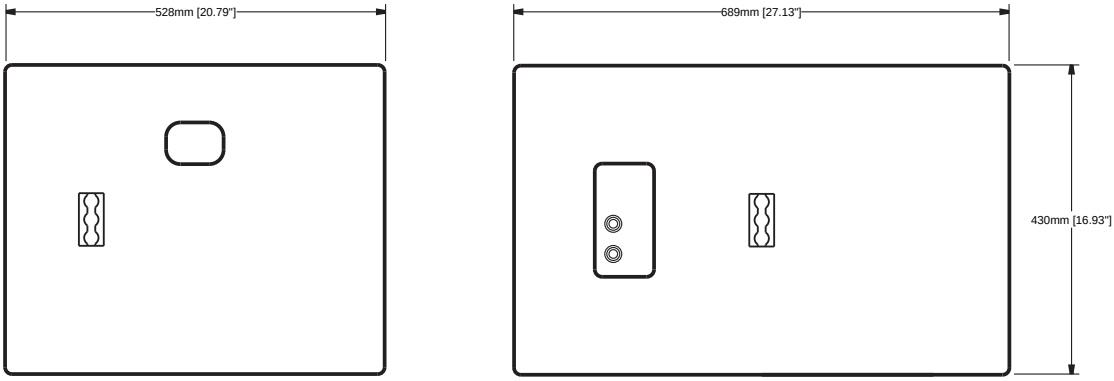

LIMITED WARRANTY
Nexo loudspeakers and electronics are covered against defects in workmanship or materials for a period of two (2) years from the original date of purchase. At the option of Nexo, the defective item will be repaired/replaced with no charge for materials/labor. The item is to be adequately 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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