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.
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)
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 TD Controller MkII
Frequency Response [a] 50 Hz - 18 kHz ±3dB (30 Hz - 19 kHz ±3dB 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 Widespread
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 MkIV, 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 & 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 ±3dB 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. Omnimount is a registered trademark of Omnimount Systems Inc.

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. If the owner of the equipment brings the defective loudspeaker or electronics to the Nexo Manufacturer or Nexo Distributor (where such a Distributor exists) within the Warranty Period, the same will be replaced free of charge with a loudspeaker or electronics of the same kind and value. If the Nexo Manufacturer or Nexo Distributor (where such a Distributor exists) is unable to replace the defective loudspeaker or electronics with a loudspeaker or electronics of the same kind and value due to stock shortages, or for any other reason, the Nexo Manufacturer or Nexo Distributor (where such a Distributor exists) shall refund the cost to the customer of the defective loudspeaker or electronics. The Nexo Manufacturer or Nexo Distributor (where such a Distributor exists) does not warrant against cosmetic damage or finish. Nexo reserves the right to alter the design and configuration of its products at any time. The warranty provision of any issued Nexo Warranty does not cover costs or damages caused by acts of God, war, misuse or abuse of any kind, alteration, modification or any type of negligence. The warranty is non-transferable and a copy of the original invoice must be presented by the customer at the time of requesting warranty service. The warranty is void if the loudspeaker or electronics has been repaired by any person other than Nexo or an authorized Nexo Distributor. Nexo products are designed and manufactured to meet the stringent Nexo Quality Control requirements. These products may not be suitable for use in life support applications. Nexo is not liable for any damage or expenses incurred as a result of such use.

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