

compact

lightweight

powerful

versatile



Alpha System

B1 BASS

PRODUCT FEATURES

High power Bass module (140dB peak SPL @ 1m) using a composite curve flared horn loaded 1 x 15" 6 Ohms LF driver.

High efficiency, lightweight design, wideband frequency response 42Hz – 190Hz.

Active operation with NX241 Digital TDController ensures reliable, linear operation.

High performance honeycomb composite curve construction, Baltic birch cabinet

Available in dark grey carpet covering or textured black paint.

Integrated flying system hardware for Crossbow flying system or standard aircraft fittings.

Ergonomically designed for flying or ground stacking, easy touring handling and truck packs.

ALPHA SYSTEM APPLICATIONS

Large scale touring or installed PA for stadiums, arenas, clubs, A/V, and theater.

Industry standard touring PA with global support network.

All Alpha products are 22.5° trapezoid shaped cabinets with the same width and depth; height is in multiples of 200 mm (7 7/8")



Alpha System Components

- ▶ B1 Bass
- M3 Mid/Hi
- M8 Mid/Hi
- S2 Subbass



NX241 Digital TDController

The Alpha B1 is an advanced high power Bass module that can be stacked or flown together in arrays with Alpha M3, M8 and S2 cabinets. The B1 uses one Nexo specified high power 15" LF driver on an innovative internal flare component manufactured of rigid honeycomb composites. This high efficiency design delivers extremely low distortion, coherent bass output from 42Hz to 190Hz. The B1 is fully capable of operating without the S2 subbass in applications where extreme LF performance is not required.

The Alpha System is a range of advanced technology modular, compact, high power loudspeaker modules tailored for a wide range of touring and installed sound reinforcement applications, from clubs and theaters to large scale live events. Like all Nexo products, Alpha System components are designed to work with advanced electronic processors, guaranteeing consistent performance and reliability of the highest standard.



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PRODUCT FEATURES

Components	1 x 15" (38 cm) 6 Ohm driver. Folded horn, composite curve.
Height x Width x Depth	600 x 689 x 754mm (23 5/8"x 27 1/8"x 29 11/16")
Shape	22.5° trapezoid
Weight	Net: 51 kg (112 lbs) With wheelboard: 58 kg (128 lbs)
Connectors	2 x SPEAKON 4 pole (In & Loop Thru) Wiring: 1+ & 1- (VLF), 2+ & 2- (LF)
Construction	Honeycomb composite curve. Baltic Birch Ply finished with dark grey carpet. Textured, polyurethane black paint coating also available.
Fittings: Handles	2 Metal Bar Handles
Front finish	Acoustic foam on perforated steel grille (77% transparent)
Flying Points Fixed Installation	Crossbow Flying System cabinet hardware; 4 Flying Tracks on front (7 positions in 2.5° steps), top to bottom steel back plate, 4 Flying Tracks on back (Hinge Fixing), Internal top to bottom & left to right steel links. Crossbow flying tracks can also receive standard aircraft fittings.

SYSTEM SPECIFICATIONS Alpha B1 with NX241 Digital TDController

Frequency Response [a]	Wideband: 42Hz – 190 Hz ±3dB Xover: 80 Hz – 190Hz ±3dB
Usable Range @-6dB [a]	39Hz – 600Hz
Sensitivity 1W @ 1m [b]	106 dB SPL Nominal
Nominal Peak SPL @ 1m [b]	140 dB Peak
Nominal Impedance	6 Ohms (5.2 min)
Recommended Amplifiers	900 to 1200 Watts into 6 Ohms

SYSTEM OPERATION

Electronic Controller	The Alpha B1 must be used with a Nexo NX241 Digital TDController. Use without a properly connected Controller will result in poor sound quality and may damage the components.
Subbass	The Alpha B1 Bass can be used with or without the optional S2 Subbass. Active four-way operation with the S2 is included in the NX241.

SHIPPING & ORDERING

Ordering	Alpha B1 carpet finished and ready to fly (without wheelboard) = Ref: AL.B1-CF. Other versions please refer to your Nexo agent.
Packaging	Alpha B1s are sold as single items and in multiples thereof.
Shipping Weight & Volume	Packaging will vary according to carpet or paint finish & quantity ordered. Please refer to your Nexo agent.
Accessories	Crossbow Flying System, refer to the Crossbow specs. Wheelboard = Ref: AL.WB1.

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

[a] Response curves & data : Anechoic Far Field above 200Hz. Half-Space Anechoic below 200Hz. Usable Range Data: Frequency response capability with TD crossover slopes removed.

[b] Sensitivity & Peak SPL data : will depend on spectral distribution. Measured with band limited Pink Noise. Refers to the specified ±3dB range. Data are for speaker + processor + recommended amplifier combinations.

approved product

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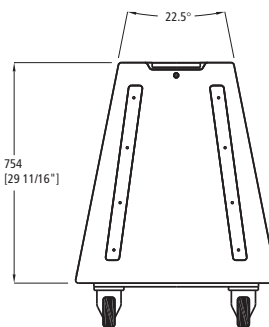
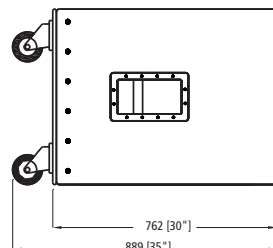
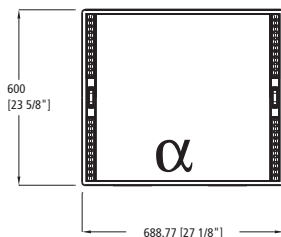
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LIMITED WARRANTY

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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