

# α<sup>e</sup>

Alpha<sup>e</sup> Series



## ALPHA E B1-18 BASS

*The AlphaE B1-18 is an advanced high power Bass module that can be stacked or flown together in arrays with ALPHA M3, M8 and S2 and AlphaE- M cabinets. The AlphaE B1-18 uses one NEXO specified high power 18" 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 40Hz to 230Hz. The AlphaE B1-18 is fully capable of operating without the S2 SubBass in applications where extreme LF performance is not required.*

*The AlphaE Series is an extension of NEXO's acclaimed ALPHA System; modular, compact, high power loudspeakers 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, AlphaE Series components are designed to work with advanced electronic processors, guaranteeing consistent performance and reliability of the highest standard.*

High power Bass module (140dB peak SPL @ 1m) using a composite curve flared horn loaded 1 x 18" 6Ω LF driver.

High efficiency, lightweight design, usable frequency response 40Hz – 230Hz.

Active operation with NX242 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.

Optional integrated flying system hardware for Crossbow flying system (see below left) or standard aircraft fittings.

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



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DATA SHEET

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## Alpha<sup>e</sup> Series

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 modeled 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.

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### PRODUCT FEATURES

Components	1x 18" (46cm) 6Ω long excursion driver. Folded horn, composite curve
Height x Width x Depth	800 x 689 x 754mm (31 1/2" x 27 1/8" x 29 11/16")
Shape	22.5° trapezoid
Weight	Net: 70kg(155lbs) With wheelboard: 79kg (175lbs)
Connectors	2x NL4MP 4-pole SPEAKON (In & Loop Thru) Wiring: 1+ & 1- (VLF), 2+ & 2- (LF)
Construction	The self supporting MF/HF module is built from high performance honeycomb composites. 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 &	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.
Fixed Installation	Crossbow flying tracks can also receive standard aircraft fittings.

### SYSTEM SPECIFICATIONS AlphaE B1-18 with NX242 Digital TDcontroller

Frequency Response [a]	40Hz – 230Hz ±3dB
Usable Range @-6dB [a]	38Hz – 600Hz
Sensitivity 1W @ 1m [b]	107dB SPL Nominal
Nominal Peak SPL @ 1m [b]	142dB Peak
Nominal Impedance	6Ω (4.7 min)
Recommended Amplifiers	900 to 1400Watts into 6Ω

### SYSTEM OPERATION

Electronic Controller	The AlphaE B1-18 must be used with a NEXO NX242 Digital TDcontroller. Use without a properly connected Controller will result in poor sound quality and may damage the components.
SubBass	The AlphaE B1-18 Bass can be used with or without the optional ALPHA S2 SubBass. Active four-way operation with the S2 is included in the NX242.

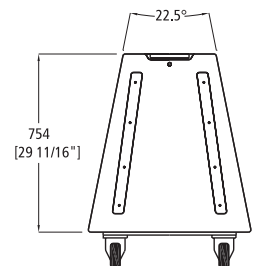
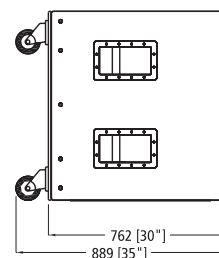
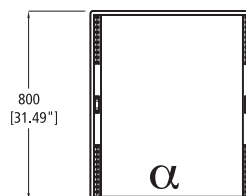
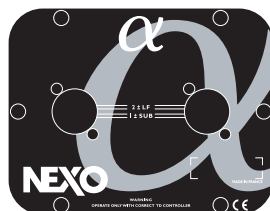
### SHIPPING & ORDERING

Ordering	AlphaE B1-18 carpet finished and ready to fly (without wheelboard) = Ref: AL.B118CF. AlphaE B1-18 painted and ready to fly (without wheelboard) = Ref: AL.B118-PF.
Packaging	AlphaE B1-18 is sold as a single item and shipped as multiples thereof.
Shipping Weight & Volume	Packaging varies 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.WB1.3.

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.



### 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/labour. The item is to be adequately packaged and dispatched, pre-paid, to a NEXO authorised distributor/service centre. Unauthorised repair shall void the warranty. The NEXO warranty does not cover cosmetics or finish and does not apply to any items which in NEXO's opinion have failed due to used abuse, accidents, modifications or any type of misuse. All images and text herein are the property of NEXO SA, and deemed accurate, although specifications are subject to change without notice.