



Alpha System



ALPHA B1-15 BASS

The ALPHA B1-15 is an advanced high power Bass module that can be stacked or flown together in arrays with Alpha M3, M8 and S2 cabinets. The B1-15 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 B1-15 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.

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

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

Active operation with NX242 Digital TDcontroller ensures reliable, linear operation.

High performance honeycomb composite curve construction.

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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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.

E-mail: info@nexo.fr

NEXO S.A.
154 allée des Erables
ZAC de PARIS NORD II B.P. 50107
F-95950 Roissy CDG CEDEX
France
Tél: +33 1 48 63 19 14
Fax: +33 1 48 63 24 61

NEXO LatAM
Hualfin 1054
1424 Capital Federal
Argentina
Tel: +54 114 432 1911
Fax: +1 360 234 7870

NEXO Asia
Attn: N.C. Kirsch
GPO Box 806
Hong Kong
SAR China
Tel: +852 9096 3472
Fax: +852 2104 3214

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ALPHA B1-15 PRODUCT FEATURES

Components	1 x 15" (38cm) 6Ω 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: 51kg (112lbs) With wheelboard: 58kg (128lbs)
Connectors	2 x 4-pole SPEAKON (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	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 ALPHA B1-15 with NX242 Digital TDcontroller

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

SYSTEM OPERATION

Electronic Controller	The ALPHA B1-15 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 ALPHA B1-15 Bass can be used with or without the optional S2 SubBass. Active four-way operation with the S2 is included in the NX242.

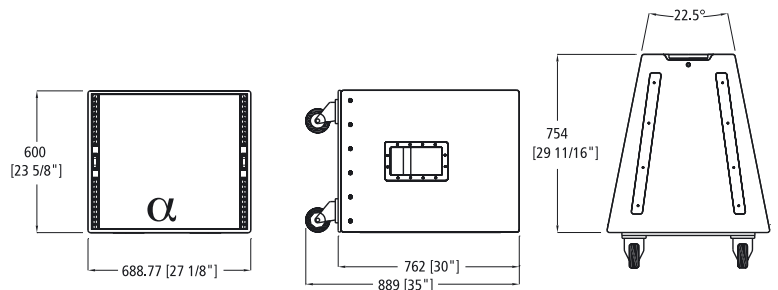
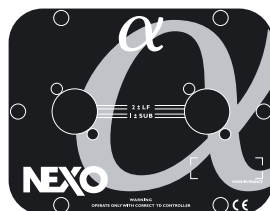
SHIPPING & ORDERING

Ordering	ALPHA B1-15 carpet finished and ready to fly (without wheelboard) = Ref: AL.B115-CF. ALPHA B1-15 painted and ready to fly (without wheelboard) = Ref: AL.B115-PF.
Packaging	ALPHA B1-15 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.

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.