



Alpha System



## ALPHA S2 SUBBASS

*The ALPHA S2 is an advanced high power SubBass module that can be stacked or flown together in arrays with ALPHA M3, M8 and B1 and AlphaE Series cabinets. The S2 uses two NEXO specified high power 18" long excursion LF drivers in a high efficiency resonator design combined with low speed port geometry to deliver low distortion, coherent output from 32Hz to 64Hz. The S2 provides optional VLF extension of the frequency response of AlphaE Series and ALPHA Systems to 32Hz.*

*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 SubBass module (140dB peak SPL @ 1m) with 2 x 18" 6Ω long excursion LF drivers.

High efficiency, lightweight resonator design with low port speed geometry, usable frequency response 32Hz – 64Hz.

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

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 System

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](mailto: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 S2 PRODUCT FEATURES

Components	2 x 18" (46cm) long excursion 6Ω drivers; high efficiency acoustic load
Height x Width x Depth	1200 x 689 x 754mm (47" x 27 1/8" x 29 11/16")
Shape	22.5° trapezoid
Weight	Net: 85kg (187lbs) with Wheelboard: 95kg (209lbs)
Connectors	1x NL4MP 4-pole SPEAKON Wiring: 1+ & 1- (VLF)
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 & 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 S2 with NX242 Digital TDcontroller

Frequency Response [a]	32Hz – 64Hz ±3dB
Usable Range @-6dB [a]	29Hz – 180Hz
Sensitivity 1W @ 1m [b]	105dB SPL Nominal
Nominal Peak SPL @ 1m [b]	140dB Peak
Nominal Impedance	3Ω (2.7 min)
Recommended Amplifiers	1800 to 2400Watts into 3Ω

### SYSTEM OPERATION

Electronic Controller	The ALPHA S2 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 S2 provides optional VLF extension for ALPHA B1/M3/M8 and AlphaE Series systems. Active operation of the S2 is included in NX242 control parameters.

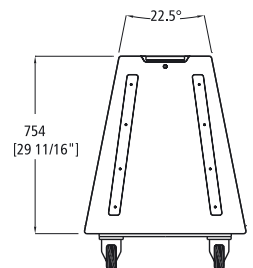
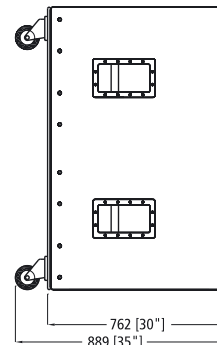
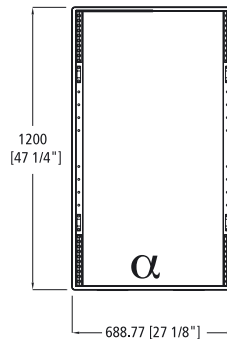
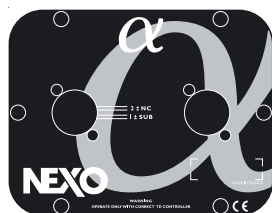
### SHIPPING & ORDERING

Ordering	ALPHA S2 carpet finished and ready to fly (without wheelboard) = Ref: AL.S2-CF. ALPHA S2 painted and ready to fly (without wheelboard) = Ref: AL.S2-PF.
Packaging	ALPHA S2 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.WB2.

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.