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.
**ALPHA E 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**:
  - Wideband: 42Hz – 190Hz ±3dB
  - Xover: 80Hz – 190Hz ±3dB
- **Usable Range @-6dB**: 39Hz – 600Hz
- **Sensitivity** @ 1m (a)
  - 106dB SPL Nominal
- **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-CD; 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.
- **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.


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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/replace 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.
ALPHA S2 Advantages

• 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 TD controller 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.

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.
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.

ALPHA S2 PRODUCT FEATURES

- **Components**: 2 x18” (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: 95kg (186lbs) 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 &**: Crossbow Flying System cabinet hardware; 4 Flying Tracks on front (2 positions in fixed installation 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 TD CONTROLLER

- **Frequency Response [a]**: 32Hz – 64Hz ±3dB
- **Usable Range @-6dB [a]**: 29Hz – 180Hz
- **Sensitivity [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 TD controller. 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.
- **Packaging**: ALPHA S2 painted and ready to fly (without wheelboard) = Ref: AL.S2-PF.
- **Shipping Weight & Volume**: ALPHA S2 is sold as a single item and shipped as multiples thereof.
- **Accessories**: Crossbow Flying System, refer to the Crossbow specs. Wheelboard = Ref: AL.WB2.

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LIMITED WARRANTY

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The ALPHA M8 is an advanced high power, medium-Q Mid/HI module that has the same form factor as the high-Q M3, allowing user selectable dispersion characteristics appropriate to the application. The M8 uses two exponential horn loaded 10” MF drivers and a constant directivity horn loaded 3” HF driver giving 75° x 45° dispersion, the horn may be rotated with the wider dispersion in the horizontal or vertical plane.

Operated as a 2-way active system for ultimate performance and control, the ALPHA M8 has a frequency response of 190Hz-19kHz. Stacked or flown in arrays together with an ALPHA B1 Bass, the ALPHA M8 delivers outstanding performance as part of a precision, compact, large scale system.

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.
The NEXO S.A. 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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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.

**ALPHA M8 PRODUCT FEATURES**

**Components**
- MF: 2x 10" (25 cm) 8Ω voice coil driver + Dual Ring Phase Plug, Composite Horns
- HF: 1x 3" titanium diaphragm ceramic driver + Coaxial Mount Waveguide

**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: 57kg/126lbs
- With wheelboard: 64kg/141lbs

**Connectors**
- 2x NL8MP 8-pole SPEAKON (in & Loop Thru) Wiring: 1+ & 1- (MF), 2+ & 2- (LF), 3+ & 3- (MF), 4+ & 4- (HF) 1x NL4MP 4-pole SPEAKON (to B1 & S2) Wiring: 1+ & 1- (MF), 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 deck 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 M8 with NX242 Digital TDcontroller

**Frequency Response**
- [a] 190Hz – 19kHz ±3dB

**Usable Range**
- [-6dB] 150Hz – 20kHz

**Sensitivity**
- 1W @ 1m
- 108dB SPL Nominal

**Nominal Peak SPL**
- 143dB Peak

**Dispersion**
- 75° x 45° (Horn rotatable)

**Directivity : Q & DI**
- Q: 20 Nominal DI: 13 dB Nominal (f > 630Hz)

**Nominal Impedance**
- MF: 12Ω (15.5 min) HF: 12Ω (8.0 min)

**Recommended Amplifiers**
- 650 to 900 Watts MF, 350 to 500Watts HF into 12Ω

**SYSTEM OPERATION**

**Electronic Controller**
- The Alpha M8 Mid/Hi 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 M8 Mid/Hi and B1 Bass can be used with or without the optional S2 SubBass. Active four-way operation with the S2 is provided with NX242 parameters.

**SHIPPING & ORDERING**

**Ordering**
- Mid/Hi carpet finished and ready to fly (without wheelboard) = Ref: AL.M8.CF.
- Mid/Hi painted and ready to fly (without wheelboard) = Ref: AL.M8.PF.

**Packaging**
- Mid/Hi is sold as a single item and shipped as multiples thereof.

**Shipping Weight & Volume**
- Packaging varies according to carpet or paint finish & quantity ordered.

**Accessories**

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


[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.

[c] Directivity curves & data: 1/3 octave smoothed frequency response, normalised to On-Axis response. Data obtained by computer processing of off axis response curves.
The ALPHA M3 is an advanced high power, high-Q Mid/Hi module that has the same form factor as the medium-Q M8, allowing user selectable dispersion characteristics appropriate to the application. The M3 uses two exponential horn loaded 10” MF drivers and a constant directivity horn loaded 3” HF driver giving 35° x 35° dispersion. Operated as a 2-way active system for ultimate performance and control, the ALPHA M3 has a usable frequency response of 190Hz-19kHz. Stacked or flown in arrays together with an ALPHA B1 Bass, the ALPHA M3 delivers outstanding performance as part of a precision, compact, large scale system.

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.
**ALPHA M3 PRODUCT FEATURES**

**Components**
- MF: 2x 10” (25 cm) 8Ω 3” voice coil driver + Dual Ring Phase Plug, Composite Horns
- HF: 1x 3” titanium diaphragm ceramic driver + Coaxial Mount Waveguide

**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: 57kg (126lbs) With wheelboard: 64kg (141lbs)

**Connectors**
- 2x NL8MP 8-pole SPEAKON (In & Loop Thru)
- 1x NL4MP 4-pole SPEAKON (to B1 & S2)

**Wiring**
- 1+ & 1- (VLF), 2+ & 2- (LF), 3+ & 3- (MF), 4+ & 4- (HF)

**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 Fixed Installation)
- 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 M3 WITH NX242 DIGITAL TD CONTROLLER**

**Frequency Response [a]**
- 190Hz – 19kHz ±3dB

**Usable Range @-6dB [b]**
- 150Hz – 20kHz

**Sensitivity 1W @ 1m [b]**
- 110dB SPL Nominal

**Nominal Peak SPL @ 1m [b]**
- 145dB Peak

**Dispersion [c]**
- 35° x 35°

**Directivity Q & DI [c]**
- Q: 32 Nominal DI: 15 dB Nominal (f > 630Hz)

**Nominal Impedance MF: 12Ω (15.5 min)**
- HF: 12Ω (8.0 min)

**Recommended Amplifiers MF: 650 to 900 Watts into 12Ω**
- HF: 350 to 500 Watts into 12Ω

**SYSTEM OPERATION**

**Electronic Controller**
The ALPHA M3 Mid/Hi must be used with a NEXO NX242 Digital TD controller. Use without a properly connected Controller will result in poor sound quality and may damage the components.

**SubBass**
The ALPHA M3 Mid/Hi and B1 Bass can be used with or without the optional S2 SubBass. Active four-way operation with the S2 is provided with NX242 parameters.

**SHIPPING & ORDERING**

**Ordering**
- M3 Mid/Hi carpet finished and ready to fly (without wheelboard) = Ref: AL.M3-CF
- M3 Mid/Hi painted and ready to fly (without wheelboard) = Ref: AL.M3-PF

**Packaging**
- M3 Mid/Hi is sold as a single item and shipped as multiples thereof.

**Shipping Weight & Volume**
- Packaging varies according to carpet or paint finish & quantity ordered.

**Accessories**

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[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.
[c] Directivity curves & data: 1/3 octave smoothed frequency response, normalised to On-Axis response. Data obtained by computer processing of off axis response curves.

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