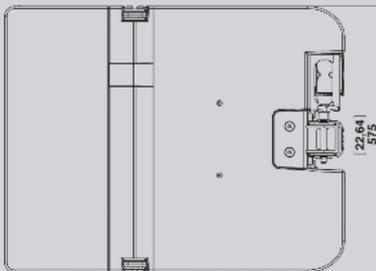
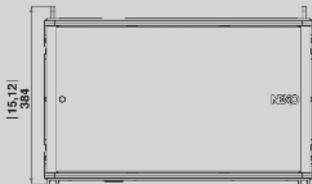
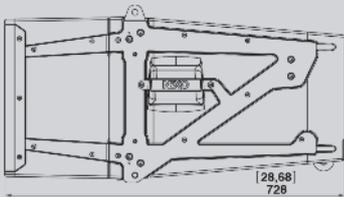


STM B112 Bass Module

NEXO

STM Scale Through Modularity



Key Features

- 1 x 3000W +/- 3cm excursion 12 inch LF Driver
- 141dB peak SPL
- Frequency response: 63Hz-200Hz
- H350mm/W575mm/D715mm
- 59Kg/130lb

System Applications

- Part of a modular, mobile sound system for applications ranging in size from small corporate events to large stadium concerts and festivals

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Injection-moulded bass cabinet featuring a Neodymium high excursion 3000W 12" bass driver with 4" voice coil. It has the same format – dimensions, weight, gravity centre – as the M46. The hybrid horn-loaded design maximizes the efficiency of the driver, delivering 6dB more than a standard front-loaded driver in this frequency range.

From a simple groundstack to a compact, powerful line array, STM makes it quick and easy to 'clip together' the systems you need for any job.

Configuration possibilities include Main cabinets only, Main + Bass, Main + Sub, Main + Bass + Sub. The wide operating frequency range of the M46 main cabinets means that many speech or light music events can be run effectively with M46 alone, thereby removing the need for any extra cabinets. If programme material calls for low frequency extension, the 25-120Hz range of the S118 sub and the 55-200Hz range of the B112 bass offer the user complete freedom when configuring the system to achieve the desired frequency response or power.

Of course increased versatility brings a welcome improvement in return on investment. But with STM, that's just the start. From system storage and configuration, through transportation and rigging, to wiring and amplification, STM delivers important operational and logistical cost savings at every stage of the process.



Innovative PistonRig™ and REDLock™ rigging enables any size of system to be flown safely by one person. PistonRig™ allows pre-setting of inter-cabinet angle values. REDLock™ handle locks front rigging points from rear of cabinet. All adjustments made from one position at rear of cluster.



STM B112 Bass Module

NEXO

STM  Scale Through Modularity



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.

NEXO S.A.
Parc d'Activité
du Pré de la Dame Jeanne
B.P. 5
60128 PLAILLY
Tel: +33 (0) 3 44 99 00 70
Fax: +33 (0) 3 44 99 00 30
e-mail: info@nexo.fr

NEXO LatAm
Tel: +1 305 677 9322
Fax: +1 360 234 7870
e-mail: info@nexo.fr

NEXO Asia
GPO Box 806
Hong Kong
SAR China
Tel: +852 9096 3472
Fax: +852 2104 3214
e-mail: info@nexo.fr

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STM B112 with NXAMP 4x4

Frequency Response [a]	63Hz – 200Hz ±3dB
Usable Range @-6dB [a]	55Hz – 250Hz
Sensitivity 1W @ 1m [b]	107dB SPL Nominal
Nominal Peak SPL @ 1m [b]	141dB Peak
Nominal Impedance	16Ω (12 Ω min)
Amplified Controller	NXAMP4x4 - 3xSTM B112 in parallel on 2 NXAMP4x4 bridged channels - 8000W/4Ω

PRODUCT FEATURES

Components :	LF: 1 x 12" (30cm) 3000W high excursion Neodymium 16 Ohms driver.
Height x Width x Depth	350 x 575 x 715 mm – 13.78" x 22.64" x 28.15"
Weight : Net	59kg – 130lbs
Connectors	2 x NLT4-MDV Speakon 4 poles (in/out)
Construction	PU Composite Low Density – Polyurethane water based black coating
Fittings:	Handles 3 handles (2 sides and 1 rear)
	Front Perforated Dark Grey Metal Grille
Rigging	Integral 3 points flying system. Intercabinet angle adjustments from 0.2° to 10° in logarithmic steps.

SYSTEM OPERATION

Electronic Controller	The NEXO NXAMP4x4 presets are precisely matched to the STM Series cabinets and include sophisticated protection algorithms. Using STM Series cabinets without a properly connected NEXO NXAMP4x4 will result in poor sound quality and can damage components.
Sub-Bass	STM S118 extends system low frequency response down to 25Hz
Speaker Cabling	1-/1+: SUB - 2-/2+: LF

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

[a] Response curves & data : Half-Space Far Field for the STM S118 & B112 + NXAMP4x4.

[b] Sensitivity & Peak SPL data : these will depend on spectral distribution and crest factor of program material. Measured with band limited Pink Noise. Data are for speaker + amplified controller. Peak SPL is at clipping of NXAMP4x4.

[c] Directivity curves & data : obtained by computer treatment on off axis response curves.

E&OE January 2012.

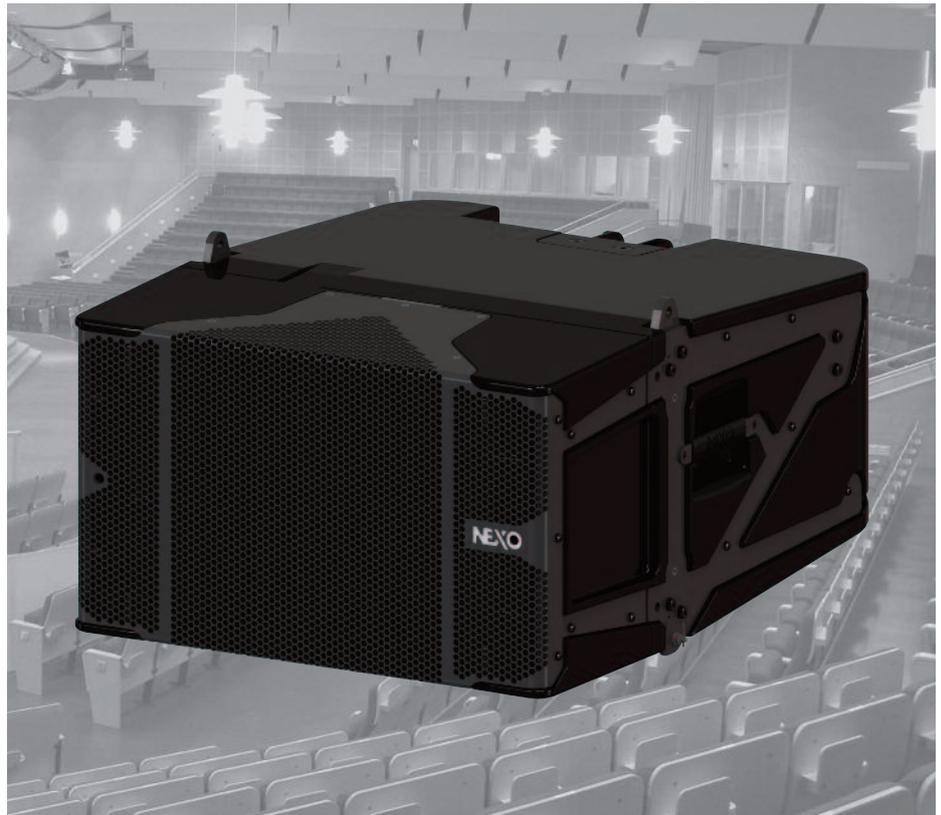
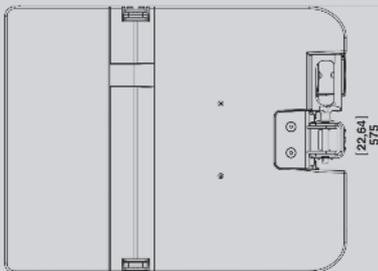
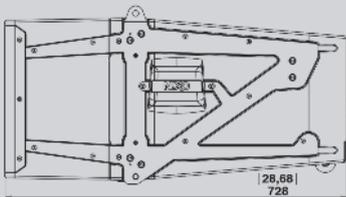
LIMITED WARRANTY

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.

STMi M46 Main Module

NEXO

STMi



STMi extends the NEXO concept of Scale Through Modularity to provide designers of fixed-installation sound systems with a series of three modules (STMi M46 main, B112 bass and S118 sub) from which systems of any scale can be easily configured.

The STMi M46 is an injection-moulded high-power cabinet with innovative components for enhanced performance. Flat-membrane drivers ensure completely even and full-range coverage over entire 90° horizontal dispersion. HF frequency range remains completely linear, using Ketone Polymer diaphragms that enhance tonal response and long throw.

Configuration possibilities include Main cabinets only, Main + Bass, Main + Sub, Main + Bass + Sub. The wide operating frequency range of the STMi M46 main cabinets means that many speech or light music events can be run effectively with M46 alone, thereby removing the need for any extra cabinets. If programme material calls for low frequency extension, the 25-120Hz range of the STMi S118 sub and the 55-200Hz range of the STMi B112 bass offer the user complete freedom when configuring the system to achieve the desired frequency response or power.

Key Features

- 4 x 6.5 inch LF/MF Drivers
- 4 x HF Compression Drivers
- 145dB peak SPL
- Frequency response: 85Hz-20kHz
- H350mm/W575mm/D715mm
- 58Kg/128lb
- Dispersion 90° H x 0-10°V

System Applications

- Fixed installations in:
 - Theatres
 - Auditoria
 - Houses of Worship
 - Public Buildings
 - Clubs
 - Live music venues



Specific rigid fixed-installation rigging system with no moving parts.



NEXO

www.nexo.fr

STMi M46 Main Module

NEXO

STMi



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NEXO S.A.
Parc d'Activité
du Pré de la Dame Jeanne
B.P. 5
60128 PLAILLY
Tel: +33 (0) 3 44 99 00 70
Fax: +33 (0) 3 44 99 00 30
e-mail: info@nexo.fr

NEXO LatAm
Tel: +1 305 677 9322
Fax: +1 360 234 7870
e-mail: info@nexo.fr

NEXO Asia
GPO Box 806
Hong Kong
SAR China
Tel: +852 9096 3472
Fax: +852 2104 3214
e-mail: info@nexo.fr

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STMi M46 with NXAMP 4x4

Frequency Response [a]	85Hz – 19kHz ±3dB
Usable Range @-6dB [a]	80Hz – 20kHz
Sensitivity 1W @ 1m [b]	110dB SPL Nominal
Nominal Peak SPL @ 1m [b]	145dB Peak
Dispersion [c]	90° Horizontal x 0-10° vertical
Crossover Frequency	1.5 kHz
Nominal Impedance	LF-MF:16Ω (12 Ω min) – HF: 16Ω (12 Ω min)
Amplified Controller	NXAMP4x4 - 3xSTM M46 in parallel on 2 NXAMP4x4 channels - 2x4000W/2Ω

PRODUCT FEATURES

Components :	LF-MF: 4 x 6.5" (17cm) 16 Ω flat membrane high excursion drivers. HF: 4 x 2.5" voice coil, 1.4" throat Neodymium 16 Ω drivers, Keton Polymer diaphragm
Height x Width x Depth	350 x 575 x 715 mm – 13.78" x 22.64" x 28.15"
Weight : Net	58kg – 128lbs
Connectors	2 x NL8-MDV Speakon 8 poles (in/out) & 1 x NLT4-MDV Speakon 4 poles (to STM S118 and B112)
Construction	PU Composite Low Density – Polyurethane water based black coating
Fittings:	Handles 2 handles (1 per side) Front Perforated Dark Grey Metal Grille Rigging Integral 3 points flying

SYSTEM OPERATION

Electronic Controller	The NEXO NXAMP4x4 presets are precisely matched to the STM Series cabinets and include sophisticated protection algorithms. Using STM Series cabinets without a properly connected NEXO NXAMP4x4 will result in poor sound quality and can damage components.
Sub-Bass	STM S118 extends system low frequency response down to 25Hz
Speaker Cabling	1-/1+: SUB - 2-/2+: LF - 3-/3+: LF-MF 4-/4+: HF

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

[a] Response curves & data : Half-Space Far Field for the STM S118 & B112 + NXAMP4x4.

[b] Sensitivity & Peak SPL data : these will depend on spectral distribution and crest factor of program material. Measured with band limited Pink Noise. Data are for speaker + amplified controller. Peak SPL is at clipping of NXAMP4x4.

[c] Directivity curves & data : obtained by computer treatment on off axis response curves.

E&OE January 2013.

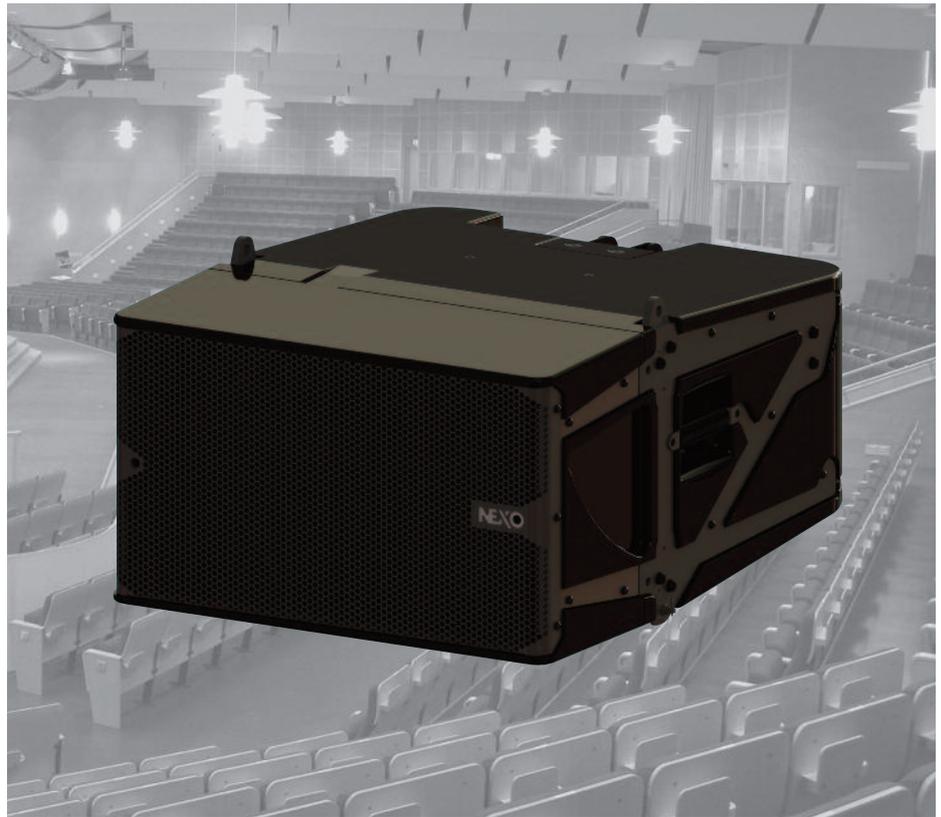
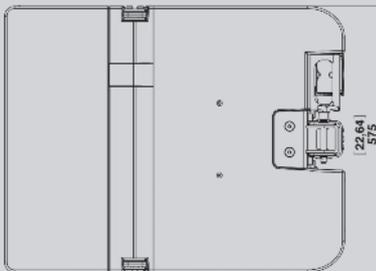
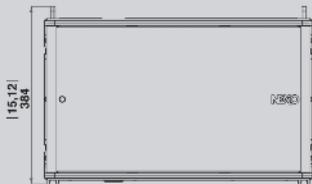
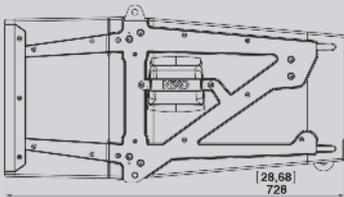
LIMITED WARRANTY

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STMi B112 Bass Module

NEXO

STMi



STMi extends the NEXO concept of Scale Through Modularity to provide designers of fixed-installation sound systems with a series of three modules (STMi M46 main, B112 bass and S118 sub) from which systems of any scale can be easily configured.

The STMi B112 is an injection-moulded bass cabinet featuring a Neodymium high excursion 3000W 12" bass driver with 4" voice coil. It has the same format – dimensions, weight, gravity centre – as the STMi M46 main cabinet. The hybrid horn-loaded design maximizes the efficiency of the driver, delivering 6dB more than a standard front-loaded driver in this frequency range.

Configuration possibilities include Main cabinets only, Main + Bass, Main + Sub, Main + Bass + Sub. The wide operating frequency range of the STMi M46 main cabinets means that many speech or light music events can be run effectively with M46 alone, thereby removing the need for any extra cabinets. If programme material calls for low frequency extension, the 25-120Hz range of the STMi S118 sub and the 55-200Hz range of the STMi B112 bass offer the user complete freedom when configuring the system to achieve the desired frequency response or power.

Key Features

- 1 x 3000W +/- 3cm excursion 12 inch LF Driver
- 141dB peak SPL
- Frequency response: 63Hz-200Hz
- H350mm/W575mm/D715mm
- 58Kg/128lb

System Applications

- Fixed installations in:
 - Theatres
 - Auditoria
 - Houses of Worship
 - Public Buildings
 - Clubs
 - Live music venues



Specific rigid fixed-installation rigging system with no moving parts.



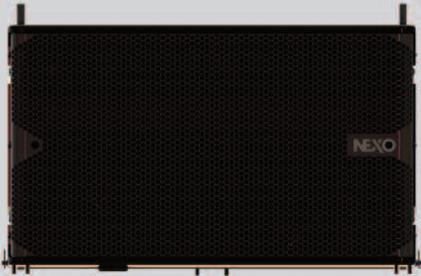
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STMi B112 Bass Module

NEXO

STMi



STMi B112 with NXAMP 4x4

Frequency Response [a]	63Hz – 200Hz \pm 3dB
Usable Range @-6dB [a]	55Hz – 250Hz
Sensitivity 1W @ 1m [b]	107dB SPL Nominal
Nominal Peak SPL @ 1m [b]	141dB Peak
Nominal Impedance	16 Ω (12 Ω min)
Amplified Controller	NXAMP4x4 - 3xSTM B112 in parallel on 2 NXAMP4x4 bridged channels - 8000W/4 Ω

PRODUCT FEATURES

Components :	LF: 1 x 12" (30cm) 3000W high excursion Neodymium 16 Ohms driver.
Height x Width x Depth	350 x 575 x 715 mm – 13.78" x 22.64" x 28.15"
Weight : Net	58kg – 128lbs
Connectors	2 x NLT4-MDV Speakon 4 poles (in/out)
Construction	PU Composite Low Density – Polyurethane water based black coating
Fittings:	Handles 2 handles (1 per side)
	Front Perforated Dark Grey Metal Grille
	Rigging Integral 3 points flying

SYSTEM OPERATION

Electronic Controller	The NEXO NXAMP4x4 presets are precisely matched to the STM Series cabinets and include sophisticated protection algorithms. Using STM Series cabinets without a properly connected NEXO NXAMP4x4 will result in poor sound quality and can damage components.
Sub-Bass	STM S118 extends system low frequency response down to 25Hz
Speaker Cabling	1-/1+: SUB - 2-/2+: LF

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

[a] Response curves & data : Half-Space Far Field for the STM S118 & B112 + NXAMP4x4.

[b] Sensitivity & Peak SPL data : these will depend on spectral distribution and crest factor of program material. Measured with band limited Pink Noise. Data are for speaker + amplified controller. Peak SPL is at clipping of NXAMP4x4.

[c] Directivity curves & data : obtained by computer treatment on off axis response curves.

E&OE January 2013.

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NEXO S.A.
Parc d'Activité
du Pré de la Dame Jeanne
B.P. 5
60128 PLAILLY
Tel: +33 (0) 3 44 99 00 70
Fax: +33 (0) 3 44 99 00 30
e-mail: info@nexo.fr

NEXO LatAm
Tel: +54 114 432 1911
Fax: +54 114 431 1007
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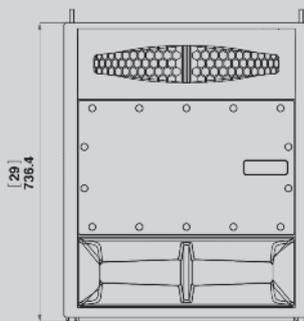
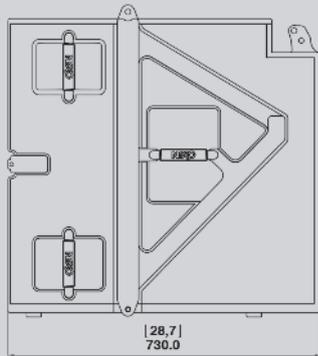
NEXO Asia
GPO Box 806
Hong Kong
SAR China
Tel: +852 9096 3472
Fax: +852 2104 3214
e-mail: info@nexo.fr

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STMi S118 Sub Module

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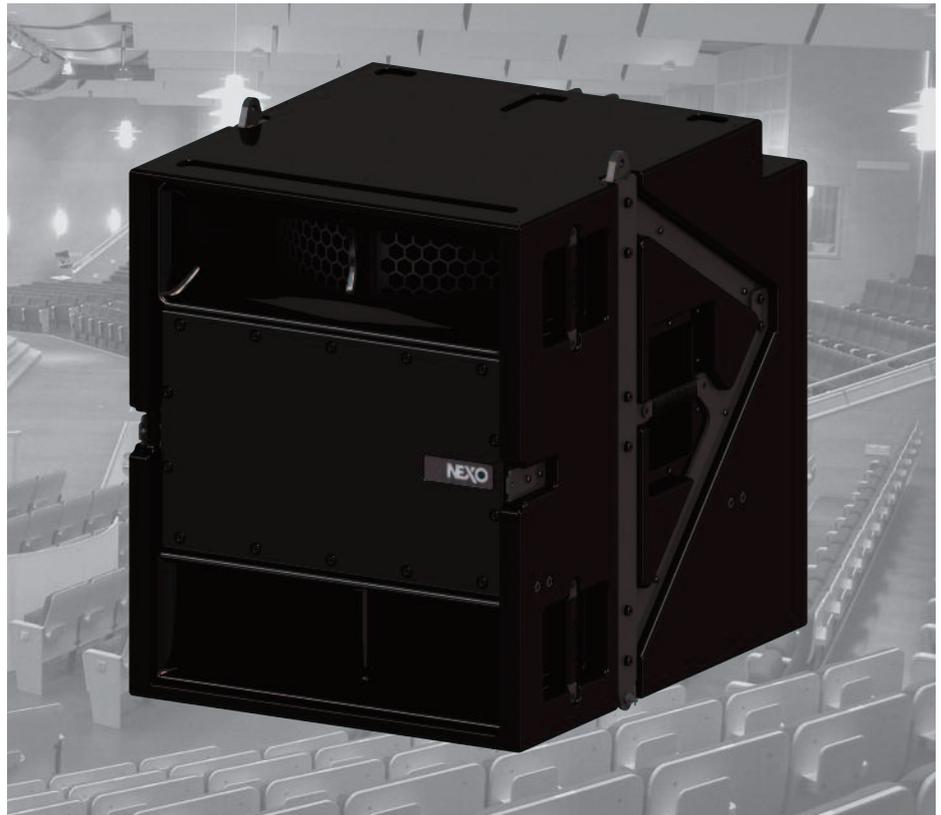
Key Features

- 1 x 18 inch LF Driver
- 143dB peak SPL
- Frequency response: 25Hz-85Hz
- H700mm/W575mm/D715mm
- 85Kg/187lb
- Omni or cardioid modes

System Applications

- Fixed installations in:
 - Theatres
 - Auditoria
 - Houses of Worship
 - Public Buildings
 - Clubs
 - Live music venues

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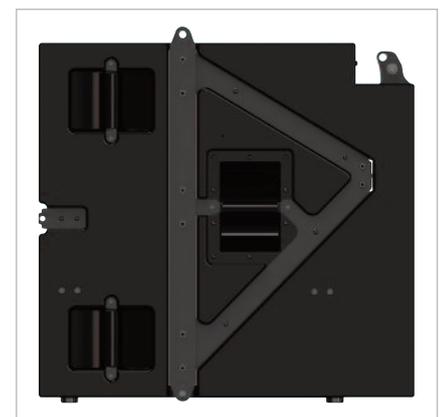
STMi extends the NEXO concept of Scale Through Modularity to provide designers of fixed-installation sound systems with a series of three modules (STMi M46 main, B112 bass and S118 sub) from which systems of any scale can be easily configured.

The STMi S118 sub-bass cabinet features a Neodymium high excursion 3000W 18" driver. A bandpass load ensures SPL output equivalent to conventional dual 18" sub-basses. Same width, double the height of the STMi M46 main cabinet, so the STMi S118 can be flown in the array or ground-stacked in line. Can be run in omnidirectional or cardioid sub mode.

Configuration possibilities include Main cabinets only, Main + Bass, Main + Sub, Main + Bass + Sub. The wide operating frequency range of the STMi M46 main cabinets means that many speech or light music events can be run effectively with M46 alone, thereby removing the need for any extra cabinets. If programme material calls for low frequency extension, the 25-120Hz range of the STMi S118 sub and the 55-200Hz range of the STMi B112 bass offer the user complete freedom when configuring the system to achieve the desired frequency response or power.



Specific rigid fixed-installation rigging system with no moving parts.



STMi S118 Sub Module

NEXO

STMi



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NEXO S.A.
Parc d'Activité
du Pré de la Dame Jeanne
B.P. 5
60128 PLAILLY
Tel: +33 (0) 3 44 99 00 70
Fax: +33 (0) 3 44 99 00 30
e-mail: info@nexo.fr

NEXO LatAm
Tel: +1 305 677 9322
Fax: +1 360 234 7870
e-mail: info@nexo.fr

NEXO Asia
GPO Box 806
Hong Kong
SAR China
Tel: +852 9096 3472
Fax: +852 2104 3214
e-mail: info@nexo.fr

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STMi S118 with NXAMP 4x4

Frequency Response [a]	27Hz – 85Hz ±3dB
Usable Range @-6dB [a]	23Hz – 100Hz
Sensitivity 1W @ 1m [b]	109dB SPL Nominal
Nominal Peak SPL @ 1m [b]	143dB Peak
Nominal Impedance	16Ω (12 Ω min)
Amplified Controller	NXAMP4x4 - 3xSTM S118 in parallel on 2 NXAMP4x4 bridged channels - 8000W/4Ω

PRODUCT FEATURES

Components :	LF: 1 x 18" (46cm) 3000W high excursion Neodymium 16 Ohms driver.
Height x Width x Depth	700 x 575 x 715 mm – 27.56" x 22.64" x 28.15"
Weight : Net	85kg – 187lbs
Connectors	2 x NLT4-MDV Speakon 4 poles (in/out)
Construction	Baltic birch ply finished with structured black coating
Fittings:	Handles 6 handles (3 per side)
	Front Perforated Dark Grey Metal Grille
	Rigging Integral 3 points flying

SYSTEM OPERATION

Electronic Controller	The NEXO NXAMP4x4 presets are precisely matched to the STM Series cabinets and include sophisticated protection algorithms. Using STM Series cabinets without a properly connected NEXO NXAMP4x4 will result in poor sound quality and can damage components.
Speaker Cabling	1-/1+: SUB - 2-/2+: LF

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

[a] Response curves & data : Half-Space Far Field for the STM S118 & B112 + NXAMP4x4.

[b] Sensitivity & Peak SPL data : these will depend on spectral distribution and crest factor of program material. Measured with band limited Pink Noise. Data are for speaker + amplified controller. Peak SPL is at clipping of NXAMP4x4.

[c] Directivity curves & data : obtained by computer treatment on off axis response curves.

E&OE January 2013.

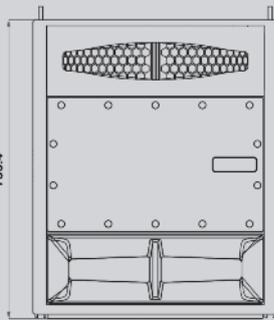
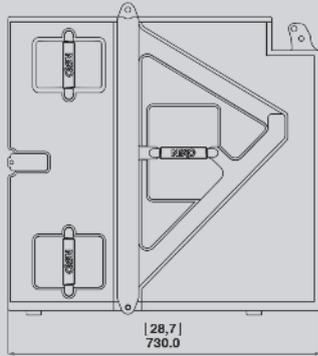
LIMITED WARRANTY

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STM S118 Sub Module

NEXO

STM Scale Through Modularity



Key Features

- 1 x 18 inch LF Driver
- 143dB peak SPL
- Frequency response: 25Hz-85Hz
- H700mm/W575mm/D715mm
- 85Kg/187lb
- Omni or cardioid modes

System Applications

- Part of a modular, mobile sound system for applications ranging in size from small corporate events to large stadium concerts and festivals

NEXO
www.nexo.fr



Sub-bass cabinet featuring a Neodymium high excursion 3000W 18" driver. A bandpass load ensures SPL output equivalent to conventional dual 18" sub-basses. Same width, double the height of M46 main cabinet, double height of main cabinet so the S118 can be flown in the array or ground-stacked in line. Can be run in omnidirectional or cardioid sub mode.

From a simple groundstack to a compact, powerful line array, STM makes it quick and easy to 'clip together' the systems you need for any job.

Configuration possibilities include Main cabinets only, Main + Bass, Main + Sub, Main + Bass + Sub. The wide operating frequency range of the M46 main cabinets means that many speech or light music events can be run effectively with M46 alone, thereby removing the need for any extra cabinets. If programme material calls for low frequency extension, the 25-120Hz range of the S118 sub and the 55-200Hz range of the B112 bass offer the user complete freedom when configuring the system to achieve the desired frequency response or power.

Of course increased versatility brings a welcome improvement in return on investment. But with STM, that's just the start. From system storage and configuration, through transportation and rigging, to wiring and amplification, STM delivers important operational and logistical cost savings at every stage of the process.



Innovative PistonRig™ and REDLock™ rigging enables any size of system to be flown safely by one person. PistonRig™ allows pre-setting of inter-cabinet angle values. REDLock™ handle locks front rigging points from rear of cabinet. All adjustments made from one position at rear of cluster.



STM S118 Sub Module

NEXO

STM  Scale
Through
Modularity



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Parc d'Activité
du Pré de la Dame Jeanne
B.P. 5
60128 PLAILLY
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NEXO Asia
GPO Box 806
Hong Kong
SAR China
Tel: +852 9096 3472
Fax: +852 2104 3214
e-mail: info@nexo.fr

NEXO
www.nexo.fr

STM S118 with NXAMP 4x4

Frequency Response [a]	27Hz – 85Hz \pm 3dB
Usable Range @-6dB [a]	23Hz – 100Hz
Sensitivity 1W @ 1m [b]	109dB SPL Nominal
Nominal Peak SPL @ 1m [b]	143dB Peak
Nominal Impedance	16 Ω (12 Ω min)
Amplified Controller	NXAMP4x4 - 3xSTM S118 in parallel on 2 NXAMP4x4 bridged channels - 8000W/4 Ω

PRODUCT FEATURES

Components :	LF: 1 x 18" (46cm) 3000W high excursion Neodymium 16 Ohms driver.
Height x Width x Depth	700 x 575 x 715 mm – 27.56" x 22.64" x 28.15"
Weight : Net	85kg – 187lbs
Connectors	2 x NLT4-MDV Speakon 4 poles (in/out)
Construction	Baltic birch ply finished with structured black coating
Fittings:	Handles 6 handles (3 per side)
	Front Perforated Dark Grey Metal Grille
	Rigging Integral 3 points flying and locking system.

SYSTEM OPERATION

Electronic Controller	The NEXO NXAMP4x4 presets are precisely matched to the STM Series cabinets and include sophisticated protection algorithms. Using STM Series cabinets without a properly connected NEXO NXAMP4x4 will result in poor sound quality and can damage components.
Speaker Cabling	1-/1+: SUB - 2-/2+: LF

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

[a] Response curves & data : Half-Space Far Field for the STM S118 & B112 + NXAMP4x4.

[b] Sensitivity & Peak SPL data : these will depend on spectral distribution and crest factor of program material. Measured with band limited Pink Noise. Data are for speaker + amplified controller. Peak SPL is at clipping of NXAMP4x4.

[c] Directivity curves & data : obtained by computer treatment on off axis response curves.

E&OE January 2012.

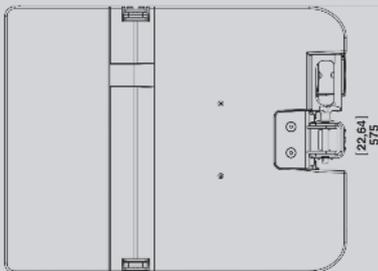
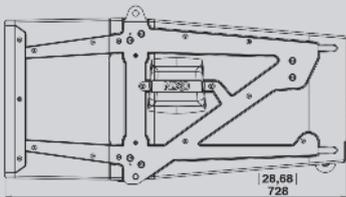
LIMITED WARRANTY

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.

STM M46 Main Module

NEXO

STM Scale Through Modularity



Key Features

- 4 x 6.5 inch LF/MF Drivers
- 4 x HF Compression Drivers
- 145dB peak SPL
- Frequency response: 85Hz-20kHz
- H350mm/W575mm/D715mm
- 59Kg/130lb
- Dispersion 90° H x 0-10°V

System Applications

- Part of a modular, mobile sound system for applications ranging in size from small corporate events to large stadium concerts and festivals

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Injection-moulded high-power cabinet with innovative components for enhanced performance. Flat-membrane drivers ensure completely even and full-range coverage over entire 90° horizontal dispersion. HF frequency range remains completely linear, using Ketone Polymer diaphragms that enhance tonal response and long throw.

From a simple groundstack to a compact, powerful line array, STM makes it quick and easy to 'clip together' the systems you need for any job.

Configuration possibilities include Main cabinets only, Main + Bass, Main + Sub, Main + Bass + Sub. The wide operating frequency range of the M46 main cabinets means that many speech or light music events can be run effectively with M46 alone, thereby removing the need for any extra cabinets. If programme material calls for low frequency extension, the 25-120Hz range of the S118 sub and the 55-200Hz range of the B112 bass offer the user complete freedom when configuring the system to achieve the desired frequency response or power.

Of course increased versatility brings a welcome improvement in return on investment. But with STM, that's just the start. From system storage and configuration, through transportation and rigging, to wiring and amplification, STM delivers important operational and logistical cost savings at every stage of the process.



Innovative PistonRig™ and REDLock™ rigging enables any size of system to be flown safely by one person. PistonRig™ allows pre-setting of inter-cabinet angle values. REDLock™ handle locks front rigging points from rear of cabinet. All adjustments made from one position at rear of cluster.



STM M46 Main Module

NEXO

STM  Scale
Through
Modularity



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.

NEXO S.A.
Parc d'Activité
du Pré de la Dame Jeanne
B.P. 5
60128 PLAILLY
Tel: +33 (0) 3 44 99 00 70
Fax: +33 (0) 3 44 99 00 30
e-mail: info@nexo.fr

NEXO LatAm
Tel: +1 305 677 9322
Fax: +1 360 234 7870
e-mail: info@nexo.fr

NEXO Asia
GPO Box 806
Hong Kong
SAR China
Tel: +852 9096 3472
Fax: +852 2104 3214
e-mail: info@nexo.fr

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www.nexo.fr

STM M46 with NXAMP 4x4

Frequency Response [a]	85Hz – 19kHz ±3dB
Usable Range @-6dB [a]	80Hz – 20kHz
Sensitivity 1W @ 1m [b]	110dB SPL Nominal
Nominal Peak SPL @ 1m [b]	145dB Peak
Dispersion [c]	90° Horizontal x 0-10° vertical
Crossover Frequency	1.5 kHz
Nominal Impedance	LF-MF:16Ω (12 Ω min) – HF: 16Ω (12 Ω min)
Amplified Controller	NXAMP4x4 - 3xSTM M46 in parallel on 2 NXAMP4x4 channels - 2x4000W/2Ω

PRODUCT FEATURES

Components :	LF-MF: 4 x 6.5" (17cm) 16 Ω flat membrane high excursion drivers. HF: 4 x 2.5" voice coil, 1.4" throat Neodymium 16 Ω drivers, Keton Polymer diaphragm
Height x Width x Depth	350 x 575 x 715 mm – 13.78" x 22.64" x 28.15"
Weight : Net	59kg – 130lbs
Connectors	2 x NL8-MDV Speakon 8 poles (in/out) & 1 x NLT4-MDV Speakon 4 poles (to STM S118 and B112)
Construction	PU Composite Low Density – Polyurethane water based black coating
Fittings:	Handles 3 handles (2 sides and 1 rear) Front Perforated Dark Grey Metal Grille
Rigging	Integral 3 points flying system. Intercabinet angle adjustments from 0.2° to 10° in logarithmic steps.

SYSTEM OPERATION

Electronic Controller	The NEXO NXAMP4x4 presets are precisely matched to the STM Series cabinets and include sophisticated protection algorithms. Using STM Series cabinets without a properly connected NEXO NXAMP4x4 will result in poor sound quality and can damage components.
Sub-Bass	STM S118 extends system low frequency response down to 25Hz
Speaker Cabling	1-/1+: SUB - 2-/2+: LF - 3-/3+: LF-MF 4-/4+: HF

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[a] Response curves & data : Half-Space Far Field for the STM S118 & B112 + NXAMP4x4.

[b] Sensitivity & Peak SPL data : these will depend on spectral distribution and crest factor of program material. Measured with band limited Pink Noise. Data are for speaker + amplified controller. Peak SPL is at clipping of NXAMP4x4.

[c] Directivity curves & data : obtained by computer treatment on off axis response curves.

E&OE January 2012.

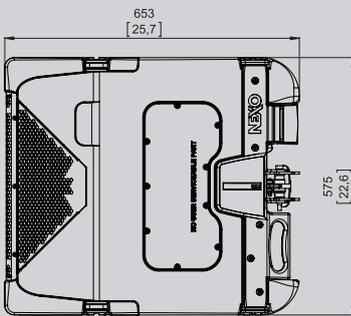
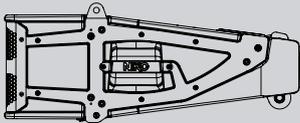
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STM M28 Omni-purpose Module

NEXO

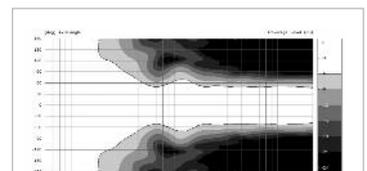
STM Scale Through Modularity



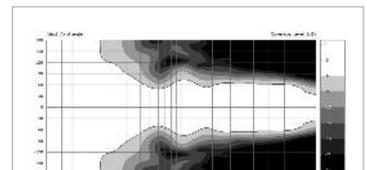
The 'fourth element' in the suite of NEXO STM compatible loudspeaker modules, the M28 is an injection-moulded all-purpose 2-way loudspeaker cabinet, providing 90°/120° of horizontal dispersion and 0° to 15° splaying angle between modules.

M28 is the same width as the STM M46 main cabinet, 2/3 height, and can either be arrayed in the same column with M46 in a large-format STM system, arrayed in the same column as B112 bass cabinet in a mid-format STM system, or used independently from the M46 and B112.

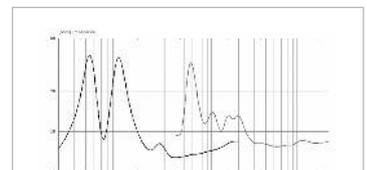
Powered by the NEXO NXAMP Powered TDC controller, the M42 exhibits high SPL output, superior horizontal control and stable dispersion.



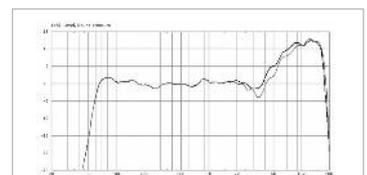
STM M28 90° CDD Horizontal Coverage



STM M28 120° CDD Horizontal Coverage



STM M28 impedance (black = LF, grey = HF)



STM M28 on-axis frequency response (black = 90° CDD, grey = 120° CDD)

Key Features

- 2 x 8 inch LF Drivers
- 2 x HF Compression Driver
- 141dB peak SPL
- Frequency response: 60Hz-20kHz
- H234mm/W575mm/D653mm
- 37Kg/82lb

System Applications

- Live sound
- Theatres
- Conference facilities and auditoria
- Houses of Worship



M28 features innovative CompassRig™ and REDLock™ rigging, enabling any size of system to be flown safely by one person. Compass Rig™ allows pre-setting of inter-cabinet angle values. REDLock™ handle locks front rigging points from rear of cabinet. All adjustments made from one position at rear of cluster.



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STM M28 Omni-purpose Module

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NEXO S.A.
Parc d'Activité
du Pré de la Dame Jeanne
B.P. 5
60128 PLAILLY
Tel: +33 (0) 3 44 99 00 70
Fax: +33 (0) 3 44 99 00 30
e-mail: info@nexo.fr

NEXO LatAm
Tel: +1 305 677 9322
Fax: +1 360 234 7870
e-mail: info@nexo.fr

NEXO Asia
GPO Box 806
Hong Kong
SAR China
Tel: +852 9096 3472
Fax: +852 2104 3214
e-mail: info@nexo.fr

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STM M28 with NXAMP 4x4

Frequency Response [a]	65Hz – 19kHz ±3dB
Usable Range @-6dB [a]	60Hz – 20kHz
Sensitivity 1W @ 1m [b]	106dB SPL Nominal (120° horizontal coverage) 107dB SPL Nominal (90° horizontal coverage)
Nominal Peak SPL @ 1m [b]	140dB Peak (120° horizontal coverage) 141dB Peak (90° horizontal coverage)
Dispersion [c]	Configurable 90°-120° Horizontal x 0-15° vertical
Crossover Frequency	900Hz (Active)
Nominal Impedance	LF: 8 Ω (6 Ω min) - HF: 8 Ω (6 Ω min)
Amplified Controller	NXAMP4x4 - 3xSTM M28 in parallel on 2 NXAMP4x4 channels - 2x4000W/2Ω

PRODUCT FEATURES

Components :	LF: 2 x 8" (20cm) high excursion 16 Ω Neodymium drivers HF: 2 x 2.5" voice coil, 1.4" throat Neodymium 16 Ω drivers, Ketone Polymer diaphragm
Height x Width x Depth	234 x 575 x 653 mm – 9.2" x 22.6" x 25.7"
Weight : Net	37kg – 82lbs
Connectors	2 x NLT4-MDV Speakon 4 poles
Construction	PU Composite Low Density – Polyurethane water based black coating
Fittings:	Handles 3 handles (2 sides and 1 rear) Front Perforated Dark Grey Metal Grille Rigging Integral 3 points flying system. Intercabinet angle adjustments from 0.2° to 15° in logarithmic steps.

SYSTEM OPERATION

Electronic Controller	The NEXO NXAMP4x4 presets are precisely matched to the STM Series cabinets and include sophisticated protection algorithms. Using STM Series cabinets without a properly connected NEXO NXAMP4x4 will result in poor sound quality and can damage components.
Sub-Bass	STM S118 extends system low frequency response down to 25Hz
Speaker Cabling	1-/1+: LF - 2-/2+: MF/HF

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[a] Response data: Anechoic Far Field for the STM M28 + NXAMP4x4.

[b] Sensitivity & Peak SPL data : these will depend on spectral distribution and crest factor of program material. Measured with band limited Pink Noise. Data are for speaker + amplified controller. Peak SPL is at clipping of NXAMP4x4.

[c] Directivity data : obtained by computer treatment on off axis response curves.

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